CALENDAR FOR WATER YEAR 1976

1975

OCTOBER

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1976

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AUGUST

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SEPTEMBER

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Water Resources Data for Indiana

Water Year 1976

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT IN-76-1

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

UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

V. E. McKelvey, Director

For additional information write to
District Chief, Water Resources Division
U.S. Geological Survey
1819 North Meridian Street
Indianapolis, Indiana 46202

1977

PREFACE

This report was prepared by the U.S. Geological Survey in cooperation with the State of Indiana and with other agencies by personnel of the Indiana district of the Water Resources Division, under the supervision of J. L. Cook, District Chief, and J. T. Callahan, Regional Hydrologist, Northeastern Region.

This report is one of a series issued State by State under the general direction of J. S. Cragwall, Jr., Chief Hydrologist, and G. W. Whetstone, Assistant Chief Hydrologist for Scientific Publications and Data Management.

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16. Abstracts

Water resources data for the 1976 water year for Indiana consists of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels in wells. This report contains discharge records for 192 gaging stations; stage and contents for 12 lakes and reservoirs; water quality for 36 gaging stations; and water levels for 47 observation wells. Also included are 119 crest-stage partial-record stations, 49 low-flow partial-record stations. Additional water data were collected at various sites, not part of the systematic data-collection program, and are published as miscellaneous measurements and analyses. These data represent that part of the National Water Data System operated by the U. S. Geological Survey and cooperating State and Federal agencies in Indiana.

17. Key Words and Document Analysis. 17a. Descriptors

*Indiana, *Hydrologic data, *Surface water, *Ground water, *Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Water levels, Water analyses.

17b. Identifiers/Open-Ended Terms

Sampling sites

17c. COSATI Field/Group

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(w-discharge, c-chemical, t-temperature, s-sediment)

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INTRODUCTION

Water resources data for the 1976 water year for Indiana consist of records of streamflow or reservoir storage at gaging stations, partial-record stations, miscellaneous sites, and records of water-quality data on the chemical and physical characteristics of surface water, and water levels of wells. Records for a few pertinent streamflow and water-quality stations in bordering states also are included. The records were collected and computed by the Water Resources Division of the U.S. Geological Survey. These data represent that portion of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Indiana.

Records of discharge (or stage) of streams, and contents (or stage) of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through water year 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States."

Beginning with the 1961 water year and continuing through water year 1974, streamflow data have been released by the Geological Survey in annual reports on a state-boundary basis. Water-quality records beginning with the 1964 water year, and ground-water data since the 1971 water year have been similarly released either in separate reports or in conjunction with streamflow records. These reports provided rapid release of preliminary water data shortly after the end of the water year. The final data were then released in the water-supply paper series mentioned above. Beginning with the 1975 water year, water data will be released on a state-boundary basis in final form and will not be republished in the water-supply paper series. The 1975 and subsequent water year reports will be in a series which will carry 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 report is identified as "U.S. Geological Survey Water-Data Report IN-76-1." These reports are for sale to the public for a nominal fee from the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia, 22151. For more information on publications available, see "PUBLICATIONS" on a subsequent page.

COOPERATION

The U.S. Geological Survey and organizations of the State of Indiana have had cooperative agreements for the systematic collection of surface-water records since 1930, for ground-water levels since 1940, and for water-quality records since 1951. Organizations that supplied data are acknowledged in station descriptions. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

State of Indiana, Department of Natural Resources, J. D. Cloud, director, through Bureau of Water and Mineral Resources, W. J. Andrews, deputy director.

Indiana State Board of Health, W. T. Paynter, commissioner, and R. C. Pickard, assistant commissioner for environmental health.

Indiana State Highway Commission, J. A. Gardner, chairman, Roger F. Marsh, executive director, and G. K. Hallock, chief engineer.

Assistance in the form of funds or services was given by the Corps of Engineers, U.S. Army, in collecting records for 44 surface-water gaging stations and 8 water-quality gaging stations published in this report. The following organizations aided in collecting records:

The cities of Anderson, Bloomington, Ft. Wayne, Hammond, Indianapolis, Muncie, and Richmond; Indianapolis Water Co.; Indianapolis Power and Light Co.; Public Service Co. of Indiana; Container Corporation of America; and Sanitary District of Chicago.

DEFINITION OF TERMS

Terms related to streamflow, water quality, and other hydrologic data, as used in this report, are defined as follows. See also table for converting English units to International System (SI) units on page 4.

Acre-foot (AC-FT, acre-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.

Bacteria are microscopic unicellular organisms, typically spherical, rod-like, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, 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.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms which produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C ± 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Fecal coliform bacteria are bacteria that are present in the intestine or feces of warmblooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms which 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 warmblooded 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 M-enterrococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, used for the decomposition of organic matter by micro-organisms, such as bacteria.

Cubic feet per second per day ($ft^3/s/day$) 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, or about 646,000 gallons, and represents a runoff of approximately 0.0372 inch from 1 square mile.

Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate 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.

Cubic feet per second per square mile ($ft^3/s/mi^2$, 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.

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

Discharge is the volume of water (or more broadly, total fluids), that passes a given point within a given period of time.

Mean discharge is the arithmetic average of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time. If this discharge is reported instead of the daily mean, the heading of the discharge column in the tables is "Discharge (ft^3/s)".

Dissolved refers to the amount of a substance present in true chemical solution. In practice, however, the term includes all forms of the substance that will pass through a 0.45-micrometer membrane filter, and thus may include some very small (colloidal) suspended particles. Analyses are performed on filtered samples.

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 may include an estimate of that portion of the total drainage area which does not contribute directly to surface runoff.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the 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 gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

Hardness of water is a physical-chemical characteristic attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Micrograms per liter (ug/L, UG/L) is a unit expressing the concentration of chemical constituents in solution as the weight (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 weight of solute per unit volume of water. Milligrams or micrograms per liter may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per liter by multiplying by the factors in table 1, page 8. Concentration of suspended sediment also is expressed in mg/L, and is based on the weight of sediment per liter of water-sediment mixture. Sediment concentrations may be converted to parts per million by using the factors in table 2, page 8.

Partial-record station is a particular site where limited streamflow 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 suspended sediment or bed material 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 recommendations 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 material 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.

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells/mL of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells/mL of sample.

Runoff in inches (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.

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.

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 discharge is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight, or by volume, that is discharged in a given time. It is computed by multiplying discharge times mg/L times 0.0027.

Total-sediment discharge or total sediment load is the sum of the suspended-sediment discharge and the bedload discharge. It is the total quantity of sediment, as measured by dry weight or volume, that is discharged during a given time.

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.

Table 1.--Factors for conversion of chemical constituents in milligrams or micrograms per liter to millequivalents 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 2.--Factors for conversion of sediment concentrations in milligrams per liter to parts per million*
(All values calculated to three significant figures)

Range of concentration in 1000 mg/L	Divide by	Range of concentration in 1000 mg/L	Divide by	Range of concentration in 1000 mg/L	Divide by	Range of concentration in 1000 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 g/mL and a specific gravity of sediment of 2.65.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions with soil and is an index of sodium or alkali hazard to the soil. This ratio should be known especially for water used for irrigating farmland.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

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

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

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

Tons per day is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour day.

Total (as used in tables of chemical analyses) refers to the amount of a substance that is present both in solution and in suspension. Analyses are performed on representative samples of water-suspended sediment mixtures.

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published State annual basic-data reports.

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

DOWNSTREAM ORDER AND STATION NUMBER

Stations are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report the rank of tributaries is indicated by indention, each indention representing one rank.

As an added means of identification, each gaging station, partial-record station, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. 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." In this report, the records are listed in downstream order by parts. The part number refers to an area whose boundaries coincide with certain natural drainage lines.

Records in this report are in Part 3 (Ohio River basin), Part 4 (St. Lawrence River basin) and Part 5 (Upper Mississippi River basin). All records for drainage basin encompassing more than one State can be arranged in downtream order by assembling pages from the various State reports by station number to include all records in the basin.

NUMBERING SYSTEM FOR WELLS

Ground-water wells are listed alphabetically by counties in this report. Each well in Indiana carries dual-identification numbers. The first system is by a 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. The second system is based on the latitude and longitude of the well. An additional identification of the well in this system is given following the seconds of longitude. Each well within the boundary of a particular second of latitude and longitude is numbered by tenths of a unit, with the first established well numbered as ".1".

SPECIAL NETWORK

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from direct readings on a non-recording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6. Surface areas of lakes or reservoirs are determined from instrument surveys using standard methods. The configuration of the reservoir bottom is determined by sounding at many points.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), step-back water techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge are computed from the daily figures. 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 computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is

temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by 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 factor 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.

At some stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record and occasional winter discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

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 on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and

yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents is given. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the current water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

The description of the gaging stations gives the location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge or contents, general remarks, and notations of revisions of previously published records. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD." The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualified. The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE;" it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. The maximum discharge (or contents) and the maximum gage height, the minimum daily discharge (or minimum contents) are given under "EXTREMES." In the first paragraph headed "Current year," the data given are for the complete current water year unless otherwise specified. In the second paragraph under "EXTREMES" headed "Period of record:" the data given are for the period of record given in "PERIOD OF RECORD" paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES." Unless otherwise qualified, the maximum discharge (or contents) corresponds to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge (or contents), it is given separately. Information pertaining to the accuracy of the discharge records, and to conditions which affect the natural flow at the gaging station is given under "REMARKS"; for reservoir stations, information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir, is also given under "REMARKS."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find

such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly or annual figures of discharge were revised, that fact is brought out by notations 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 revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only, are usually not published in the annual series of reports.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion.

In the yearly summary below the monthly summary, the figures following "MAX" are the maximum daily discharges for the calendar and water years; likewise, those following "MIN" are the minimum daily discharges.

Footnotes to the table of daily discharge are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the yearly summary. All independent peaks above the selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subjected to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330.

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents.

Data collected at partial-record stations and miscellaneous sites are given in tables at the end of the surface-water records in this report.

Accuracy of data

The accuracy of discharge data 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 observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges are within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft^3/s; to tenths between 1.0 and 10 ft^3/fs; to whole numbers between 10 and 1,000 ft^3/s; and to 3 significant figures above 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures 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 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.

Publications

In each water-supply paper entitled, "Surface Water Supply of the United States" there is a list of numbers of preceding water-supply papers containing streamflow information for the area covered by that report. In addition, there is a list of numbers of water-supply papers containing detailed information on major floods in the area. Records for stations in Indiana for the period October 1960 to September 1965 are in Water-Supply Papers 1908, 1909, 1911, 1912, and 1915.

Two series of summary reports entitled, "Compilation of Records of Surface Waters of the United States" have been published; the first series covers the entire period of record through September 1950 and the second series covers the period October 1950 to September 1960. These reports contain summaries of monthly and annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the numbers of the water-supply papers in which daily records were published for that station. Records for stations in Indiana are compiled in Water-Supply Papers 1305, 1307, and 1308 through September 1950, and in 1725, 1727, and 1728 for October 1950 to September 1960.

Special reports on major floods or droughts or of other hydrologic studies for the area have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

Other data available

Information of a more detailed nature than that published for most of the gaging stations such as observations of water temperatures, discharge measurements, gage-height records, and rating tables, is on file in the district office. Also most gaging-station records are available in computer-usable form and many statistical analyses have been made.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and examination of data

Surface-water samples for analyses usually are collected at or near gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

Descriptive statements are given for water-quality stations located at or near streamflow stations. Given are location, drainage area, periods of record for the various water-quality data, extremes of pertinent data, and general remarks, within the format for streamflow gaging stations.

Water-quality information is presented for chemical quality, biological, microbiological, water temperature, and fluvial sediment. Chemical quality includes concentrations of individual dissolved constituents and certain properties or characteristics such as hardness, sodium-adsorption-ratio, specific conductance, and pH. The biological information includes qualitative and quantitative analyses of plankton, bottom organisms, and particulate inorganic and amorphous matter present. Microbiological information includes quantitative identification of certain bacteriological indicator organisms. Water-temperature data represent once-daily observations except for stations where a continuous-temperature recorder furnished information from which daily minimums and maximums are obtained. Fluvial-sediment information is given for suspended-sediment discharges and concentrations, and for particle-size distribution of suspended sediment and bed material.

Prior to the 1968 water year, data for chemical constituents and concentration of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit (°F). In October 1967 the U.S. Geological Survey began to use the metric system; data for chemical constituents and concentrations of suspended sediment are now reported in milligrams per liter (mg/L), and water temperatures are given in degrees Celsius (centigrade, °C). In waters with a density of 1.000 g/mL (grams per milliliter), parts per million and milligrams per liter can be considered equal. In waters with a density greater than 1.000 g/mL, values in parts per million should be multiplied by the density to convert to milligrams per liter. To convert temperatures in degrees Celsius to degrees Fahrenheit, see table 3 on page 18.

In October 1968 the Geological Survey began reporting many of the chemical constituents as well as the minor elements in micrograms per liter instead of milligrams per liter. (See "Definition of Terms," p. 3).

Solutes

The methods of collecting and analyzing water samples for determining the kinds of concentrations of solutes are described by Brown, Skougstad, and Fishman (1970). One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled at several verticals across the channel to determine accurately the solute load.

At chemical quality stations where monitors are installed, the records consist of daily maximum, minimum, and mean values for each constituent measured. More detailed records (hourly values) may be obtained from the district office of the U.S. Geological Survey at the address given on the back of the title page of this report.

Table 3.--Degrees Celcius (°C) to degrees Fahrenheit (°F)*
Temperature reported to nearest 0.5°C

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
0.0	32	10.0	50	20.0	68	30.0	86	40.4	104
.5	33	10.5	51	20.5	69	30.5	87	40.5	105
1.0	34	11.0	52	21.0	70	31.0	88	41.0	106
1.5	35	11.5	53	21.5	71	31.5	89	41.5	107
2.0	36	12.0	54	22.0	72	32.0	90	42.0	108
2.5	36	12.5	54	22.5	72	32.5	90	42.5	108
3.0	37	13.0	55	23.0	73	33.0	91	43.0	109
3.5	38	13.5	56	23.5	74	33.5	92	43.5	110
4.0	39	14.0	57	24.0	75	34.0	93	44.0	111
4.5	40	14.5	58	24.5	76	34.5	94	44.5	112
5.0	41	15.0	59	25.0	77	35.0	95	45.0	113
5.5	42	15.5	60	25.5	78	35.5	96	45.5	114
6.0	43	16.0	61	26.0	79	36.0	97	46.0	115
6.5	44	16.5	62	26.5	80	36.5	98	46.5	116
7.0	45	17.0	63	27.0	81	37.0	99	47.0	117
7.5	45	17.5	63	27.5	81	37.5	99	47.5	117
8.0	46	18.0	64	28.0	82	38.0	100	48.0	118
8.5	47	18.5	65	28.5	83	38.5	101	48.5	119
9.0	48	19.0	66	29.0	84	39.0	102	49.0	120
9.5	49	19.5	67	29.5	85	39.5	103	49.5	121

*C = 5/9 (°F -32) or °F = 9/5 (°C +32).

Temperature

Water temperatures are measured at most of the water-quality stations. For daily stations, the water temperatures are taken about the same time each day when sample is collected. Large streams have a small diurnal temperature change while small, shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where continuously recording thermographs are present, the records consist of maximum and minimum temperatures for each day and the monthly averages.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the sub-divided day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the sub-divided day method. For periods when no samples are collected, daily loads of suspended sediment are estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples are collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observation, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of periodic measurements of the particle-size distribution of the suspended sediment and bed material are included.

Publications

Table 4.--Water-supply paper numbers and parts, water years, 1947-67

Year	Parts 3-4	Parts 5-6	Year	Parts 3-4	Parts 5-6
1947	1102	1102	1958	1571	1572
1948	1132	1132	1959	1642	1643
1949	1162	1162	1960	1742	1743
1950	1186	1187	1961	1882	1883
1951	1197	1198	1962	1942	1943
1952	1250	1251	1963	1948	1949
1953	1290	1291	1964	1955	1956
1954	1350	1351	1965	1962	1963
1955	1400	1401	1966	1992	1993
1956	1450	1451	1967	2012	2013
1957	1520	1521			

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the data

Only ground-water level data from a basic network of observation wells are published herein. These water-level measurements are intended to provide a sampling and historical record of water-level changes in the nation's most important aquifers.

Measurements 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 insure that measurements at each well are of consistent accuracy and reliability.

Water-level measurements in this report are given in feet with reference to either mean sea level (msl) or land-surface datum (lsd). Mean sea level is the datum plane on which the national network of precise levels is based; land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above mean sea level 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 in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

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 a hundredth or a few hundredths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

Publications

Publication of ground-water level data for the United States in Water-Supply Papers was begun by the Geological Survey in 1935. From 1935 through 1939, a single Water-Supply Paper for each year covering the entire nation was issued (Water-Supply Papers 777, 817, 840, 845, and 886). From 1940 through 1974, separate Water-Supply Papers were issued for 6 sections of the United States. Water-level data for Indiana are in the Water-Supply Papers listed below, each report containing one or more calendar years (January-December) of data. Data in this report are for the 12-month water year ending September 30.

Calendar year	WSP No.	Calendar year	WSP No.	Calendar year	WSP No.	Calendar year	WSP No.
1935	777	1942	944	1949	1156	1956-57	1537
1936	817	1943	986	1950	1165	1958-62	1782
1937	840	1944	1016	1951	1191	1963-67	1977
1938	845	1945	1023	1952	1221	1968-72	2140
1939	886	1946	1071	1953	1265		
1940	906	1947	1096	1954	1321		
1941	936	1948	1126	1955	1404		

Information about reports and other data on ground water in Indiana may be obtained from the district office, at the address given on the back of the title page.

HYDROLOGIC CONDITIONS

Precipitation totals for the water year were normal throughout the state except for above normal amounts in the north central part of the state. The most significant hydrological event was the short drought conditions that existed from the end of March through the end of May in the southern two thirds of the state. New record low monthly totals for April were set in central Indiana. Most annual maximum discharges occurred during the winter months with those streams in the north peaking during the first of March. Temperatures throughout the state for the year were well above normal. Unseasonal warm temperatures during the winter months limited freezing to only the first two weeks in January and the first week in February. Major drought conditions were averted in late summer by no prolonged hot periods and precipitation occurring once weekly.

Precipitation was near to slightly above normal for October and November. The first abundant rainfall occurred at the end of November. Extremely warm temperatures remained in the state until the storm on December 15. This storm produced many annual maximum discharges on small streams in the central and southern parts of the state.

Weather conditions went to dry and cold following this storm and continued as such until near the end of January. A warming trend with seasonal precipitation caused annual maximum discharges along the East Fork White and Whitewater Rivers. Following a short cold spell the first week of February, unseasonal warm temperatures with moderate rainfall produced annual peaks in the Wabash and White River basins. Precipitation continued through February and the first week of March, causing some flooding in the northern part of the state.

Temperatures lowered to seasonal norms during the second week of March and precipitation all but stopped by the end of the month. Streamflow decreased steadily through the end of May. An early summer storm along the Ohio River produced annual peaks on several of the tributaries at the end of May. Dry conditions continued through the first half of June.

Isolated heavy storms hit throughout the state during the summer months. Temperatures fluctuated greatly throughout the summer. An example of this change occurred at Indianapolis on July 13, when a new record low of 49°F was set, and the following day, a temperature of 94°F occurred, which was the warmest temperature in the the last five years. Maximum water temperatures occurred in mid-July and late August. September finished a very calm year in like manner with temperatures on the cool side and rainfall evenly spread through the month.

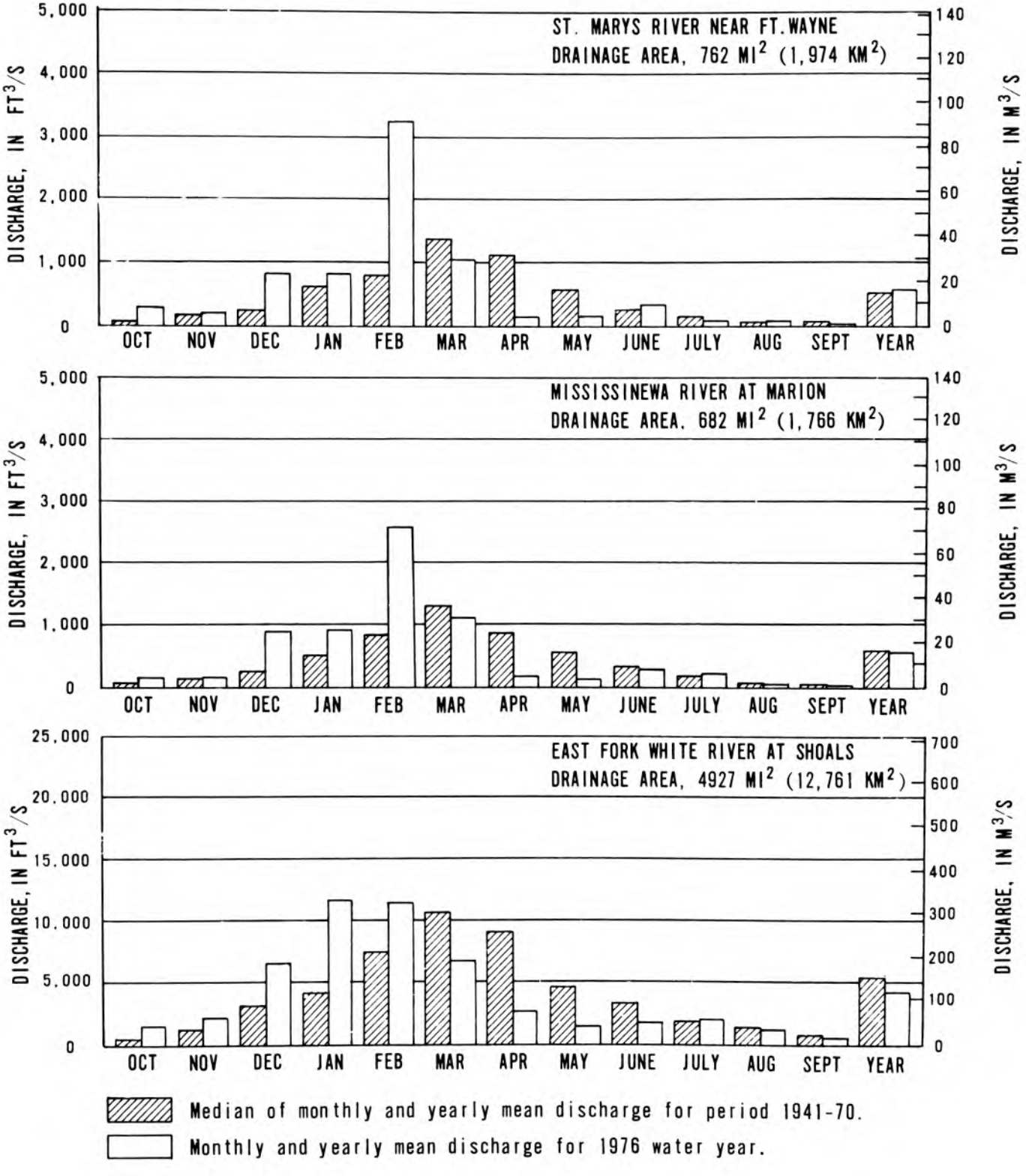

Figure 1.-- Comparison of discharge at three long-term representative gaging stations during 1976 water year with median discharge for period 1941-70.

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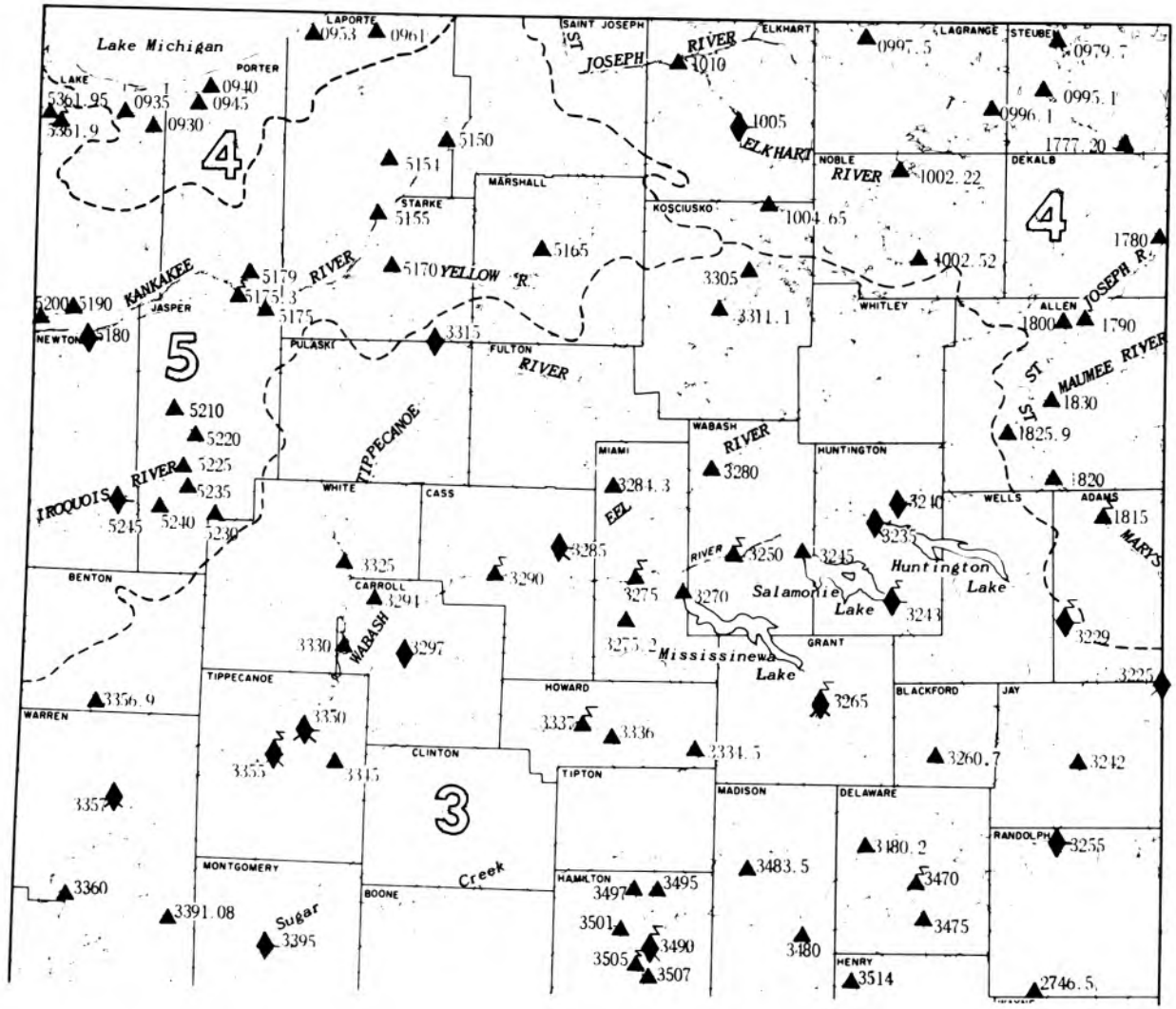
Lake Michigan
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PORTER
LAKE
SAINT JOSEPH
ELKHART
LAGRANGE
STEUBEN
JOSEPH RIVER
ELKHART
NOBLE
DEKALB
RIVER
MARSHALL
STARKE
KOSCIUSKO
YELLOW R.
KANKAKEE RIVER
JASPER
NEWTON
PULASKI
FULTON
RIVER
WHITLEY
ALLEN
JOSEPH R.
ST. MARYS RIVER
WABASH RIVER
MIAMI
HUNTINGTON
WELLS
ADAMS
TIPPECANOE
IROQUOIS RIVER
WHITE
CASS
EEL RIVER
MARYS
BENTON
CARROLL
WABASH
Salamonie Lake
Huntington Lake
Mississinewa Lake
GRANT
WARREN
TIPPECANOE
HOWARD
BLACKFORD
JAY
CLINTON
TIPTON
MADISON
DELAWARE
RANDOLPH
MONTGOMERY
BOONE
Sugar Creek
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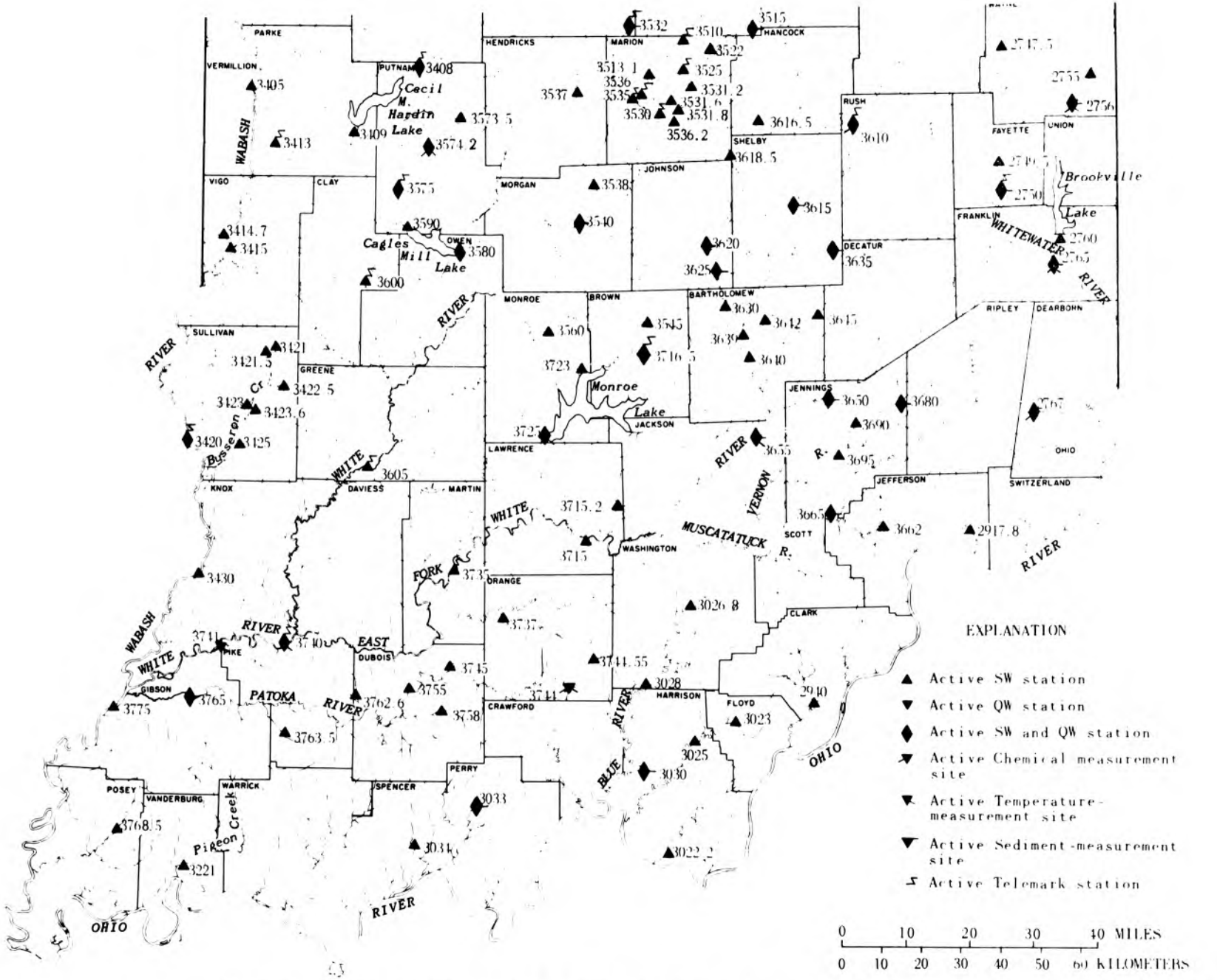


Figure 2.-- Location of stream-flow and water quality gaging stations in Indiana.

03274650 Whitewater River near Economy, Ind.

LOCATION.--Lat 40°00'05", long 85°06'56", in NW¼NE¼ sec.19, T.18 N., R.13 E., Wayne County, on right bank 6 ft (1.8 m) downstream from bridge on Wayne County Line Road, 1.7 miles (2.7 km) upstream from Little Creek, 2.4 miles (3.9 km) northwest of Economy, and at mile 91.9 (147.9 km).

DRAINAGE AREA.--10.4 mi^2 (26.9 km^2).

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

GAGE.--Water-stage recorder. Datum of gage is 1,066.00 ft (324.917 m) above mean sea level.

AVERAGE DISCHARGE.--6 years, 11.2 ft^3/s (0.317 m^3/s), 14.62 in/yr (371 mm/yr).

EXTREMES.--Current year: Maximum discharge, 788 ft^3/s (22.32 m^3/s), Jan. 25, gage height, 7.88 ft (2.402 m); minimum daily, 0.47 ft^3/s (0.013 m^3/s) Sept. 30.
Period of record: Maximum discharge 820 ft^3/s (23.2 m^3/s) Feb. 23, 1975, gage height, 8.00 ft (2.438 m); maximum gage height, 8.13 ft (2.478 m) Apr. 25, 1975; minimum daily, 0.35 ft^3/s (0.010 m^3/s) Nov. 18, 1971.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.75	1.7	12	28	8.0	9.5	6.7	2.7	10	26	1.3	.68
2	.70	1.7	6.7	21	7.0	9.2	6.2	2.8	5.7	14	1.2	.61
3	.80	1.6	4.8	28	6.5	23	6.2	2.7	3.6	9.0	1.1	.61
4	.76	1.6	3.8	13	6.0	84	5.7	2.4	2.8	4.4	1.1	.64
5	.72	1.6	3.3	8.3	8.3	51	5.3	2.4	2.4	3.1	1.1	.65
6	.80	1.6	3.4	6.9	8.3	25	5.3	2.7	2.3	2.7	1.2	.63
7	.80	2.7	3.4	6.4	7.2	16	5.1	3.1	2.1	2.4	1.1	.62
8	1.1	2.3	3.3	5.3	6.5	12	5.0	2.5	2.1	2.2	1.0	.62
9	1.4	1.9	3.3	5.0	8.3	11	4.8	2.4	1.9	2.1	.94	.64
10	1.3	15	3.0	4.6	209	9.8	4.6	2.4	1.9	2.0	.92	.63
11	1.2	6.7	2.8	4.6	99	9.5	5.0	2.3	1.8	2.0	.91	.59
12	1.2	4.1	3.1	4.4	46	18	4.4	2.3	1.8	1.9	.87	.57
13	1.3	3.0	9.5	38	43	28	4.4	2.3	1.7	1.8	1.1	.53
14	1.4	2.3	7.2	27	31	15	4.6	2.3	1.7	1.7	1.0	.54
15	1.4	1.9	120	10	27	12	4.4	2.3	1.7	18	1.0	.56
16	1.6	1.9	43	6.9	87	11	4.1	2.4	1.9	11	.90	.56
17	2.1	1.7	22	5.3	78	10	3.9	2.3	1.8	3.4	.88	.57
18	21	1.8	12	4.8	61	10	3.9	2.3	1.7	2.2	.92	.52
19	19	1.6	8.3	4.6	35	10	3.8	2.1	2.9	2.0	.84	.52
20	12	2.1	7.7	4.4	23	17	3.6	2.1	2.3	1.8	.80	.56
21	6.7	2.1	6.7	4.2	45	46	3.4	2.0	1.9	1.7	.81	.55
22	4.4	1.5	5.9	4.1	34	16	3.4	2.0	1.8	1.7	.81	.54
23	3.3	1.5	5.5	4.0	22	12	3.3	2.0	1.8	1.7	.77	.50
24	2.5	1.5	5.5	4.0	17	11	3.1	1.9	6.8	1.6	.75	.50
25	2.4	1.4	5.5	137	14	9.8	4.3	1.9	5.2	1.6	.80	.48
26	2.1	1.5	6.4	213	13	9.5	3.4	1.9	2.9	1.5	.75	.55
27	2.0	1.6	5.5	53	12	9.2	3.0	1.8	2.3	1.5	.74	.64
28	1.9	1.4	5.3	20	11	8.0	2.8	1.8	2.8	1.4	.74	.56
29	1.9	6.7	5.1	13	10	7.7	2.8	1.9	31	1.4	.72	.49
30	1.8	21	99	10	---	7.7	2.7	2.7	93	1.3	.66	.47
31	1.8	---	56	9.0	---	6.9	---	7.2	---	1.3	.65	---
TOTAL	102.13	99.0	489.0	707.8	983.1	534.8	129.2	75.9	203.6	130.4	28.38	17.13
MEAN	3.29	3.30	15.8	22.8	33.9	17.3	4.31	2.45	6.79	4.21	.92	.57
MAX	21	21	120	213	209	84	6.7	7.2	93	26	1.3	.68
MIN	.70	1.4	2.8	4.0	6.0	6.9	2.7	1.8	1.7	1.3	.65	.47
CFSM	.32	.32	1.52	2.19	3.26	1.66	.41	.24	.65	.40	.09	.05
IN.	.37	.35	1.75	2.53	3.52	1.91	.46	.27	.73	.47	.10	.06

CAL YR 1975 TOTAL 5462.42 MEAN 15.0 MAX 449 MIN .49 CFSM 1.44 IN 19.54
WTR YR 1976 TOTAL 3500.44 MEAN 9.56 MAX 213 MIN .47 CFSM .92 IN 12.52

PEAK DISCHARGE (BASE, 200 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-15	1100	5.59	287	02-16	1900	5.17	222
01-25	2300	7.88	788	06-30	0100	5.42	259
02-10	1500	7.12	600				

03274750 Whitewater River near Hagerstown, Ind.

LOCATION.--Lat 39°52'25", long 85°09'47", in NE¼NE¼ sec.3, T.16 N., R.12 E., Wayne County, on left bank at downstream side of bridge on Jerry Meyers Road, 1.0 mile (1.6 km) upstream from Pronghorn Run, 1.5 miles (2.4 km) north of Interstate 70, 2.0 miles (3.2 km) downstream from Nettle Creek, 2.6 miles (4.2 km) south of Hagerstown, and at mile 84.9 (136.6 km).

DRAINAGE AREA.--58.7 mi^2 (152.0 km^2).

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

GAGE.--Water-stage recorder. Datum of gage is 950.00 ft (289.560 m) above mean sea level (Indiana Flood Control and Water Resources Commission bench mark).

AVERAGE DISCHARGE.--6 years, 69.3 ft^3/s (1.963 m^3/s), 16.03 in/yr (407 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,300 ft^3/s (65.1 m^3/s) Jan. 26, gage height, 10.89 ft (3.319 m); minimum daily, 9.0 ft^3/s (0.25 m^3/s) Sept. 24.
Period of record: Maximum discharge, 2,300 ft^3/s (65.1 m^3/s) Jan. 26, 1976, gage height, 10.89 ft (3.319 m); minimum daily, 9.0 ft^3/s (0.25 m^3/s) Sept. 24, 1976.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	19	50	158	72	65	50	29	34	96	18	12
2	11	18	35	95	64	64	49	29	47	66	18	12
3	16	17	30	133	58	162	46	29	31	105	17	12
4	14	17	26	73	56	635	45	28	26	57	17	10
5	13	16	24	58	152	307	44	27	23	46	17	9.4
6	15	16	26	53	129	150	43	29	21	41	26	9.4
7	15	25	23	52	73	108	42	34	22	35	20	10
8	20	20	23	45	72	89	40	27	21	34	17	9.8
9	19	19	24	40	112	79	39	25	19	32	17	13
10	17	45	22	40	773	74	38	25	19	30	16	12
11	15	38	21	40	672	71	38	24	18	28	16	11
12	14	30	23	38	182	99	37	23	17	27	16	10
13	16	27	35	208	174	158	37	23	16	25	25	9.5
14	16	24	32	179	135	85	36	23	17	24	19	9.3
15	16	20	520	71	119	74	36	23	16	116	18	9.7
16	17	17	142	60	386	72	34	22	20	173	16	11
17	25	18	83	50	444	68	33	22	18	50	16	11
18	48	16	61	44	290	64	32	22	18	39	15	11
19	49	15	51	41	165	63	33	21	24	34	15	9.7
20	40	21	47	41	121	94	34	20	20	31	14	10
21	31	17	42	39	246	257	34	20	20	30	14	10
22	27	15	39	37	170	95	33	19	19	29	13	11
23	24	13	37	37	116	77	31	18	20	27	13	9.5
24	22	15	34	36	99	70	31	19	44	24	13	9.0
25	20	15	33	335	89	64	41	18	47	22	15	9.4
26	19	15	42	1290	82	61	39	18	29	22	14	12
27	20	15	35	204	75	61	33	18	24	22	13	14
28	19	14	33	133	72	56	31	18	27	21	12	12
29	23	20	32	109	68	55	30	18	86	22	12	11
30	18	49	455	92	---	55	30	24	466	20	11	11
31	20	---	299	79	---	51	---	58	---	19	11	---
TOTAL	652	626	2379	3910	5266	3483	1119	753	1229	1347	494	320.7
MEAN	21.0	20.9	76.7	126	182	112	37.3	24.3	41.0	43.5	15.9	10.7
MAX	49	49	520	1290	773	635	50	58	466	173	26	14
MIN	11	13	21	36	56	51	30	18	16	19	11	9.0
CFSM	.36	.36	1.31	2.15	3.10	1.91	.64	.41	.70	.74	.27	.18
IN.	.41	.40	1.51	2.48	3.34	2.21	.71	.48	.78	.85	.31	.20

CAL YR 1975 TOTAL 32281.0 MEAN 88.4 MAX 1880 MIN 11 CFSM 1.51 IN 20.46
WTR YR 1976 TOTAL 21578.7 MEAN 59.0 MAX 1290 MIN 9.0 CFSM 1.01 IN 13.67

PEAK DISCHARGE (BASE, 900 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-15	1200	7.45	1,130	02-16	2200	6.91	971
12-30	1700	6.81	942	03-04	1100	7.09	1,020
01-26	0600	10.89	2,300	06-30	0200	7.10	939
02-10	2300	9.74	1,860	07-15	2400	6.95	982

03274950 Little Williams Creek at Connersville, Ind.

LOCATION.--Lat 39°38'16", long 85°10'20", in SW¼NE¼ sec.27, T.14 N., R.12 E., Fayette County, on downstream left bank wingwall of bridge on State Highway 44, 1 mile (2 km) west of Connersville, and 2.6 miles (4.2 km) upstream from mouth.

DRAINAGE AREA.--9.16 mi^2 (23.72 km^2).

PERIOD OF RECORD.--September 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 842.00 ft (256.642 m) above mean sea level.

AVERAGE DISCHARGE.--8 years, 9.55 ft^3/s (0.270 m^3/s), 14.15 in/yr (359 mm/yr).

EXTREMES.--Current year: Maximum discharge, 372 ft^3/s (10.5 m^3/s) Jan. 26, gage height, 4.97 ft (1.515 m); minimum daily, 0.56 ft^3/s (0.016 m^3/s) Sept. 24.
Period of record: Maximum discharge, 3,560 ft^3/s (101 m^3/s) June 22, 1974, gage height, 10.13 ft (3.088 m); minimum daily, 0.37 ft^3/s (0.010 m^3/s) Sept. 9, 10, 1975.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.77	1.8	6.9	16	6.3	8.8	7.2	3.1	17	6.0	1.2	.70
2	.76	1.8	4.0	13	5.5	8.5	6.6	3.1	6.9	4.5	1.1	.80
3	.76	1.8	3.1	16	4.8	13	6.2	3.1	4.4	4.0	.98	.75
4	.82	1.8	2.7	9.6	4.5	35	6.0	2.9	3.6	3.2	.98	.70
5	.83	1.7	2.4	6.0	5.5	31	5.7	2.9	3.2	2.8	.93	.64
6	.85	1.6	3.2	5.0	4.9	19	5.6	3.5	2.8	4.4	41	.62
7	.81	2.1	3.1	4.5	4.4	15	5.2	4.8	2.5	2.6	5.7	.61
8	2.3	1.8	2.8	4.2	10	12	4.9	3.1	2.4	2.3	3.2	.57
9	1.7	1.7	2.9	3.9	8.3	12	4.8	2.9	2.2	2.0	2.3	.84
10	1.1	4.5	2.7	3.6	14	11	4.8	2.7	2.0	1.9	2.0	.88
11	1.0	2.9	2.5	3.5	13	11	5.0	2.5	1.6	1.7	1.6	.69
12	1.0	2.3	2.5	3.5	8.6	12	4.5	2.3	1.5	1.7	1.5	.62
13	1.2	2.0	2.7	23	9.2	13	4.6	2.2	1.4	1.6	1.9	.59
14	1.4	1.8	2.6	22	8.5	10	4.5	2.5	1.4	1.4	1.9	.59
15	1.8	1.7	45	9.6	9.1	9.6	4.4	2.7	1.3	6.7	1.6	.61
16	2.1	1.6	18	5.0	26	10	4.2	2.9	1.8	3.5	1.3	.64
17	4.9	1.6	9.6	4.0	35	8.5	4.0	2.9	1.7	1.9	1.2	.70
18	13	1.5	5.8	3.7	56	8.3	3.9	2.5	1.8	1.5	1.0	.75
19	7.1	1.5	4.5	3.4	22	7.8	4.0	2.2	4.4	1.4	.97	.67
20	4.7	1.7	3.8	3.3	16	12	5.3	2.0	1.8	1.3	.87	.63
21	2.8	1.9	3.3	3.2	61	22	4.6	1.9	1.6	1.3	.86	.66
22	2.2	1.7	2.9	3.1	35	12	4.0	1.8	1.5	2.7	.79	.64
23	1.9	1.5	2.8	3.1	20	10	3.6	1.8	1.9	1.5	.79	.60
24	1.7	1.5	2.6	3.5	16	9.7	3.7	1.8	9.5	1.2	.73	.56
25	1.6	1.7	3.1	71	14	9.0	6.9	1.8	3.3	1.1	.86	.63
26	1.6	1.8	23	105	12	8.8	4.4	1.7	2.3	1.1	.85	1.2
27	1.5	2.2	7.7	20	11	9.9	3.6	1.6	1.8	10	.79	1.9
28	1.5	1.9	5.3	14	10	8.0	3.4	1.7	2.1	1.7	.76	.92
29	2.2	4.0	4.8	11	9.4	8.0	3.3	2.1	35	3.6	.71	.78
30	2.2	15	36	9.6	---	7.8	3.2	13	30	1.5	.68	.79
31	1.9	---	21	7.8	---	7.3	---	38	---	1.4	.65	---
TOTAL	70.00	72.4	243.3	414.1	460.0	380.0	142.1	124.0	154.7	83.5	81.70	22.28
MEAN	2.26	2.41	7.85	13.4	15.9	12.3	4.74	4.00	5.16	2.69	2.64	.74
MAX	13	15	45	105	61	35	7.2	38	35	10	41	1.9
MIN	.76	1.5	2.4	3.1	4.4	7.3	3.2	1.6	1.3	1.1	.65	.56
CFSM	.25	.26	.86	1.46	1.74	1.34	.52	.44	.56	.29	.29	.08
IN.	.28	.29	.99	1.68	1.87	1.54	.58	.50	.63	.34	.33	.09

CAL YR 1975 TOTAL 3665.81 MEAN 10.0 MAX 412 MIN .37 CFSM 1.09 IN 14.89
WTR YR 1976 TOTAL 2248.08 MEAN 6.14 MAX 105 MIN .56 CFSM .67 IN 9.13

PEAK DISCHARGE (BASE, 180 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-26	0200	4.97	372	06-29	2100	4.62	287
05-30	2400	4.44	248	08-06	1100	4.19	199

03275000 Whitewater River near Alpine, Ind.

LOCATION.--Lat 39°34'23", long 85°09'27", in SW¼SE¼ sec.14, T.13 N., R.12 E., Fayette County, on right bank 500 ft (152 m) downstream from highway bridge, 0.4 mile (0.6 km) downstream from Wilson Creek, 1.6 miles (2.6 km) northeast of Alpine, 4.6 miles (7.4 km) upstream from Bear Creek, and at mile 54.3 (87.4 km).

DRAINAGE AREA.--529 mi^2 (1,370 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: October 1928 to current year. Prior to October 1936, published as West Fork Whitewater River near Alpine.
SEDIMENT DISCHARGE: July 1968 to current year (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 750.19 ft (228.658 m) above mean sea level. Prior to Nov. 9, 1928, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--48 years, 541 ft^3/s (15.32 m^3/s), 13.89 in/yr (353 mm/yr).

EXTREMES.--Current year: Maximum discharge, 10,700 ft^3/s (303 m^3/s) Jan. 26, gage height, 12.71 ft (3.874 m); minimum daily, 64 ft^3/s (1.81 m^3/s) Sept. 24-26.
Period of record: Maximum discharge, 37,100 ft^3/s (1,050 m^3/s) Jan. 14, 1937, gage height,10.51 ft (3.203 m); minimum daily discharge, 6.0 ft^3/s (0.17 m^3/s) Sept. 8, 9, 1964.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	120	308	1400	590	511	410	204	699	1260	147	81
2	92	114	251	840	490	467	394	204	507	632	144	84
3	90	114	208	980	410	479	367	204	378	444	138	84
4	90	114	180	713	380	1730	355	204	286	390	138	81
5	90	117	167	542	600	940	344	201	232	325	144	76
6	90	114	177	495	900	1500	324	197	201	316	367	71
7	90	114	167	455	600	1050	312	204	184	242	253	71
8	102	120	161	408	540	850	304	211	172	246	144	74
9	110	117	158	376	840	740	289	194	168	218	126	76
10	104	136	154	340	1650	650	304	184	159	197	121	81
11	97	158	148	308	4750	602	282	184	156	191	115	76
12	94	151	154	287	1370	614	278	178	147	178	113	74
13	92	145	161	440	1170	810	264	175	141	165	118	74
14	97	139	190	1260	1100	696	257	175	141	138	124	71
15	94	132	1500	660	865	552	250	175	144	147	126	71
16	92	129	2000	500	640	531	246	175	141	355	121	71
17	92	129	880	394	3650	511	239	172	141	348	115	71
18	227	126	566	354	2860	495	221	172	144	232	111	71
19	255	126	421	322	2700	479	201	165	253	201	100	71
20	239	123	394	300	1350	479	214	162	159	191	97	68
21	198	123	344	275	1370	1100	225	153	147	178	97	66
22	170	123	304	250	2600	900	232	150	141	250	95	66
23	154	114	267	245	1330	620	221	147	138	175	92	66
24	145	114	247	270	1000	557	221	144	214	168	92	64
25	139	117	231	3100	800	527	286	144	268	162	92	64
26	132	117	470	6780	715	499	271	141	312	165	95	64
27	126	126	394	2250	664	503	250	141	250	187	95	68
28	123	123	308	1550	596	475	232	138	197	168	87	81
29	123	120	283	1100	546	455	218	138	208	175	84	78
30	123	215	1200	840	---	452	211	162	2850	162	81	78
31	123	---	2140	700	---	433	---	800	---	150	81	---
TOTAL	3885	3830	14533	28734	37076	21207	8222	5998	9278	8356	3853	2192
MEAN	125	128	469	927	1278	684	274	193	309	270	124	73.1
MAX	255	215	2140	6780	4750	1730	410	800	2850	1260	367	84
MIN	90	114	148	245	380	433	201	138	138	138	81	64
CFSM	.24	.24	.89	1.75	2.42	1.29	.52	.36	.58	.51	.23	.14
IN.	.27	.27	1.02	2.02	2.61	1.49	.58	.42	.65	.59	.27	.15

CAL YR 1975 TOTAL 256516 MEAN 703 MAX 12200 MIN 87 CFSM 1.33 IN 18.04
WTR YR 1976 TOTAL 147164 MEAN 402 MAX 6780 MIN 64 CFSM .76 IN 10.35

PEAK DISCHARGE (BASE, 6,500 FT ^{3}/S).--Jan. 26 (1500) 10,700 ft^3/S (12.71).

03275000 Whitewater River Near Alpine, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM
JUNE												
30...	1400	3520	1430	13600	50	68	83	91	96	98	99	100

03275500 East Fork Whitewater River at Richmond, Ind.

LOCATION.--Lat 39°48'24", long 84°54'26", in NW¼SW¼ sec.8, T.13 N., R.1 W., Wayne County, on left bank 50 ft (15 m) downstream from highway bridge, 0.8 mile (1.3 km) south of Richmond, 1.5 miles (2.4 km) upstream from Short Creek, and at mile 33.4 (53.7 km).

DRAINAGE AREA.--121 mi^2 (313 km^2).

PERIOD OF RECORD.--April 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 854.01 ft (260.302 m) above mean sea level (levels by State of Indiana, Department of Natural Resources). Prior to July 27, 1949, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--27 years, 117 ft^3/s (3.313 m^3/s), 13.10 in/yr (333 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,080 ft^3/s (116 m^3/s) Jan. 26, gage height, 7.66 ft (2.335 m); minimum daily, 8.1 ft^3/s (0.23 m^3/s) Sept. 23.
Period of record: Maximum discharge, 15,000 ft^3/s (425 m^3/s) July 20, 1969, gage height, 12.68 ft (3.865 m), from rating curve extended above 5,000 ft^3/s (142 m^3/s) on basis of contracted-opening measurement of peak flow at stage of 12.44 ft (3.792 m); minimum daily, 1.2 ft^3/s (0.034 m^3/s) Aug. 1, 1954.
Flood in March 1913 reached a stage of 15.0 ft (4.572 m), discharge not determined from floodmarks.

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

REVISIONS (WATER YEARS).--WSP 1235: 1951. WSP 1908: Drainage area, 1960.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	20	31	171	60	78	64	31	152	133	14	11
2	15	20	25	125	52	71	62	33	111	72	13	11
3	16	18	22	204	62	74	57	34	64	57	13	10
4	16	18	21	129	50	523	58	33	44	49	13	10
5	16	19	20	100	60	665	53	30	34	50	13	9.8
6	15	18	24	76	94	329	51	39	28	49	49	9.2
7	15	20	21	60	64	201	48	40	26	42	23	9.3
8	41	21	19	49	62	152	48	33	24	36	17	9.0
9	22	21	21	45	120	129	42	29	22	29	16	14
10	19	34	19	41	496	116	42	27	20	26	14	11
11	18	20	19	39	531	107	49	27	19	23	13	10
12	16	18	22	37	190	105	41	26	18	22	13	9.3
13	16	18	25	97	147	114	40	26	18	20	28	8.6
14	16	18	23	223	146	100	40	26	17	19	61	8.3
15	18	18	323	114	116	90	40	27	16	38	34	8.3
16	18	18	166	82	193	89	39	26	21	33	22	11
17	45	16	82	63	386	84	36	26	17	25	17	9.5
18	93	16	54	58	394	79	34	26	55	19	14	9.3
19	43	16	45	47	328	77	40	22	135	18	14	9.0
20	34	18	38	43	171	91	50	22	67	16	13	9.8
21	27	18	32	39	426	190	52	20	43	17	13	9.8
22	25	18	29	36	505	139	46	21	42	18	12	8.6
23	23	17	26	42	237	108	40	20	37	16	12	8.1
24	21	16	25	35	165	97	38	20	111	16	12	8.2
25	21	18	25	264	135	88	63	20	145	15	17	8.9
26	21	18	70	2160	117	82	56	19	99	15	14	12
27	19	21	50	385	99	91	46	19	58	21	13	20
28	20	18	44	188	91	80	39	18	49	25	12	12
29	30	30	41	130	84	74	36	19	155	25	11	13
30	21	43	257	98	---	74	33	51	319	17	9.9	13
31	21	---	310	76	---	70	---	76	---	16	9.8	---
TOTAL	757	602	1929	5256	5581	4367	1383	886	1966	977	549.7	311.0
MEAN	24.4	20.1	62.2	170	192	141	46.1	28.6	65.5	31.5	17.7	10.4
MAX	93	43	323	2160	531	665	64	76	319	133	61	20
MIN	15	16	19	35	50	70	33	18	16	15	9.8	8.1
CFSM	.20	.17	.51	1.40	1.59	1.17	.38	.24	.54	.26	.15	.09
IN.	.23	.19	.59	1.62	1.72	1.34	.43	.27	.60	.30	.17	.10

CAL YR 1975 TOTAL 52604.8 MEAN 144 MAX 4620 MIN 9.8 CFSM 1.19 IN 16.17
WTR YR 1976 TOTAL 24564.7 MEAN 67.1 MAX 2160 MIN 8.1 CFSM .55 IN 7.55

PEAK DISCHARGE (BASE, 2,000 FT^3/S).--Jan. 26 (0600) 4,080 ft^3/s (7.66 ft).

03275600 East Fork Whitewater River at Abington, Ind.

LOCATION.--Lat 39°43'57", long 84°57'35", in NE¼SW¼ sec.2, T.12 N., R.2 W., First principal meridian, Wayne County, at downstream side of center pier of bridge on county road at Abington, 3 miles (5 km) downstream from Elkhorn Creek, 8 miles (13 km) southwest of Richmond, and at mile 26.7 (43.0 km).

DRAINAGE AREA.--200 mi^2 (518 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: October 1965 to current year.
CHEMICAL ANALYSES: October 1969 to current year.
WATER TEMPERATURE: August 1970 to September 1971, March 1973 to current year.
SEDIMENT DISCHARGE: April 1967 to current year (partial-record station).

GAGE.--Water-stage recorder and temperature recorder. Datum of gage is 791.00 ft (241.097 m) above mean sea level.

AVERAGE DISCHARGE.--11 years, 228 ft^3/s (6.457 m^3/s), 15.48 in/yr (393 mm/yr).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	45	120	389	150	157	121	62	254	293	28	21
2	28	44	80	289	120	147	115	62	223	167	26	24
3	29	43	65	473	130	147	107	65	125	126	25	22
4	30	42	60	360	128	692	106	61	87	104	24	20
5	28	43	57	250	134	1070	101	58	66	88	23	19
6	29	41	66	190	187	555	97	61	57	103	80	18
7	28	42	62	165	137	343	93	85	54	91	56	18
8	71	42	58	140	164	262	89	62	50	71	36	23
9	58	41	61	120	229	223	85	57	46	63	32	28
10	43	74	59	110	630	201	83	54	43	54	28	22
11	38	55	55	105	879	190	88	53	41	50	27	19
12	36	48	56	102	354	188	82	51	38	49	25	18
13	35	46	86	180	280	212	80	51	35	44	48	18
14	34	45	76	602	276	179	78	52	34	41	74	18
15	34	43	1140	250	234	163	80	55	32	55	66	18
16	35	42	584	200	379	164	76	52	42	106	48	18
17	65	41	276	170	754	151	72	53	39	59	39	25
18	276	40	183	150	879	143	67	51	92	44	34	22
19	139	39	150	130	636	139	68	46	405	39	31	21
20	102	43	138	120	372	145	102	45	139	36	29	20
21	78	46	101	110	876	344	98	42	93	40	28	22
22	63	41	85	100	956	235	93	42	77	47	27	21
23	56	39	80	110	463	185	78	40	67	39	27	18
24	52	40	75	100	328	167	70	41	232	33	26	18
25	50	42	69	716	265	154	118	41	239	30	31	18
26	47	43	230	4520	230	147	111	40	171	29	31	23
27	46	49	152	785	199	167	88	39	108	40	26	41
28	45	44	118	411	182	144	78	38	95	34	24	29
29	61	62	109	292	169	135	71	39	232	53	22	24
30	52	123	497	228	---	132	65	43	936	34	20	27
31	47	---	626	187	---	128	---	192	---	32	19	---
TOTAL	1765	1428	5574	12054	10720	7409	2660	1733	4152	2094	1060	653
MEAN	56.9	47.6	180	389	370	239	88.7	55.9	138	67.5	34.2	21.8
MAX	276	123	1140	4520	956	1070	121	192	936	293	80	41
MIN	28	39	55	100	120	128	65	38	32	29	19	18
CFSM	.28	.24	.90	1.95	1.85	1.20	.44	.28	.69	.34	.17	.11
IN.	.33	.27	1.04	2.24	1.99	1.38	.49	.32	.77	.39	.20	.12

CAL YR 1975 TOTAL 102348 MEAN 280 MAX 7870 MIN 20 CFSM 1.40 IN 19.04
WTR YR 1976 TOTAL 51302 MEAN 140 MAX 4520 MIN 18 CFSM .70 IN 9.54

PEAK DISCHARGE (BASE, 2,500 FT^3/S).--Jan. 26 (0900) 7,020 ft^3/s (11.85 ft).

03275600 East Fork Whitewater River at Abington, Ind.--Continued

EXTREMES.--WATER DISCHARGE, Current year: Maximum discharge, 7,020 ft^3/s (199 m^3/s) Jan. 26, gage height, 11.85 ft (3.612 m); minimum daily, 18 ft^3/s (0.51 m^3/s) Sept. 6, 7, 12-16, 23-25.
Period of record: Maximum discharge, 13,400 ft^3/s (379 m^3/s) July 20, 1969, gage height, 16.18 ft (4.932 m); minimum daily, 18 ft^3/s (0.51 m^3/s) Sept. 6, 7, 12-16, 23-25, 1976.

WATER TEMPERATURE, Current year: Maximum temperature, 26.5°C July 24; minimum, 0.0°C January and February.

Period of record: Maximum temperature, 27.5°C July 9, 1973; minimum, freezing point on many days during most winter periods.

REMARKS.--Records good.

REVISIONS.--WSP 2108: Drainage area.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	CARBON DIOXIDE (CO2) (MG/L)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT. 02...	1145	29	13.0	2	670	8.0	5.0	258	314	0
NOV. 10...	1015	66	15.0	1	665	8.2	3.1	253	308	0
DEC. 11...	1200	52	4.5	2	745	8.4	2.1	265	323	0
JAN. 15...	1530	254	1.5	2	570	7.9	5.7	234	285	0
MAR. 03...	1045	141	12.5	2	679	8.3	2.5	253	308	0
APR. 02...	1030	117	9.0	7	650	7.1	39	252	307	0
MAY 07...	1045	80	13.0	18	630	6.8	67	217	265	0
JUNE 16...	1215	35	21.5	1	813	7.8	7.5	243	296	0
JULY 09...	1030	60	21.5	1	700	7.3	23	231	282	0
AUG. 20...	1015	27	21.0	4	790	7.4	18	232	283	0
SEP. 24...	1315	15	17.5	5	870	7.5	15	237	289	0

DATE	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO PHOSPHATE (PO4) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)
OCT. 02...	.36	1.6	2.0	1.1	.50	.35	300	41	70	30
NOV. 10...	.01	2.4	2.4	1.3	.60	.43	350	94	76	38
DEC. 11...	.01	3.7	3.7	.61	.23	.20	350	83	80	36
JAN. 15...	.01	.94	.95	.06	.14	.02	300	65	72	29
MAR. 03...	.13	2.8	2.9	.40	.16	.13	330	81	84	30
APR. 02...	.08	2.9	3.0	.40	.16	.13	330	77	79	32
MAY 07...	.17	2.7	2.9	.58	.29	.19	270	53	62	28
JUNE 16...	.10	2.4	2.5	.98	.41	.32	340	99	81	34
JULY 09...	.04	4.2	4.2	.31	.17	.10	300	67	70	30
AUG. 20...	.13	2.5	2.6	.52	.23	.17	310	73	76	28
SEP. 24...	.02	5.5	5.5	1.2	.49	.40	340	99	80	33

03275600 East Fork Whitewater River at Abington, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)
OCT.									
02...	35	.9	20	4.7	54	68	1.1	6.3	190
NOV.									
10...	32	.7	16	5.2	55	69	.5	2.9	390
DEC.									
11...	28	.7	15	3.7	48	75	.4	5.2	140
JAN.									
15...	15	.4	10	2.8	30	54	.2	6.5	400
MAR.									
03...	17	.4	10	2.7	31	57	.3	5.6	320
APR.									
02...	20	.5	12	2.7	36	63	.3	4.0	150
MAY									
07...	25	.7	17	3.7	40	60	.5	4.0	330
JUNE									
16...	38	.9	19	4.4	60	72	.6	6.8	420
JULY									
09...	27	.7	16	4.2	46	62	.4	5.0	490
AUG.									
20...	37	.9	21	5.1	60	71	.8	6.5	410
SEP.									
24...	51	1.2	24	5.6	82	78	.8	6.5	370

DATE	DIS-SOLVED IRON (FE) (UG/L)	SUS-PENDED MAN-GANESE (MN) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS_ SOLVED NITRATE (NO3) (MG/L)
OCT.									
02...	20	0	30	30	456	434	35.7	.62	7.3
NOV.									
10...	10	40	60	20	435	442	77.5	.59	11
DEC.									
11...	30	0	10	10	454	453	63.7	.62	16
JAN.									
15...	30	10	30	20	374	354	256	.51	4.2
MAR.									
03...	40	10	40	30	389	393	148	.53	12
APR.									
02...	50	10	30	20	404	402	128	.55	13
MAY									
07...	40	10	50	40	392	367	84.8	.53	12
JUNE									
16...	50	20	50	30	500	455	48.5	.68	11
JULY									
09...	20	30	50	20	448	403	72.6	.61	18
AUG.									
20...	50	30	50	20	505	436	38.0	.69	11
SEP.									
24...	50	20	40	20	541	505	22.8	.74	24

03275600 East Fork Whitewater River at Abington, Ind.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	17.0	13.0	---		---	---	---	---	2.5	1.5	12.0	---
2	13.0	---	---		---	4.0	---	---	1.5	0.0	13.0	---
3	---	---	---		---	---	---	---	0.5	0.0	14.0	---
4	---	---	---		---	---	---	---	1.5	0.5	13.5	11.5
5	---	---	---		---	---	---	---	1.5	1.0	11.5	8.5
6	---	---	---		5.5	---	---	---	1.5	0.5	8.5	6.5
7	---	---	---		---	---	---	---	0.5	0.5	8.0	6.0
8	---	---	---		---	---	---	---	1.5	0.5	8.5	6.5
9	---	---	---		---	---	---	1.0	2.0	1.0	---	6.5
10	---	---	15.5		---	---	---	---	2.5	1.5	---	5.0
11	---	---	---		---	---	---	---	4.0	2.0	6.0	4.5
12	---	---	---		---	---	---	---	3.5	1.5	---	---
13	---	---	---		---	---	---	---	4.5	1.5	---	---
14	---	---	---		---	---	---	---	5.0	3.5	---	---
15	16.0	---	---		---	---	---	1.5	4.0	3.0	---	---
16	---	---	---		12.0	---	---	---	7.0	3.5	---	---
17	---	---	---		---	---	---	---	8.0	6.0	---	---
18	---	---	---		---	---	---	1.0	7.0	6.0	---	---
19	---	---	---		---	---	---	---	7.0	5.5	---	---
20	---	---	---		---	---	---	---	6.5	4.5	---	---
21	---	---	---		---	---	---	---	6.5	4.0	---	---
22	---	---	---		---	---	---	---	7.0	3.5	---	---
23	---	---	---		---	---	---	---	6.0	3.5	---	---
24	---	---	---		---	---	---	---	5.5	3.0	---	---
25	---	---	---		---	---	---	---	8.5	5.0	---	---
26	---	---	---		---	---	4.0	---	10.5	7.0	---	---
27	---	---	---		---	---	---	---	9.5	6.5	---	---
28	---	---	---		---	---	---	---	9.0	5.5	---	---
29	---	---	---		---	---	1.5	---	10.0	6.0	---	---
30	---	---	---		---	---	1.5	1.5	---	---	---	---
31	---	8.5	---		---	---	2.5	1.5	---	---	---	---
MONTH	---	---	---		---	---	---	---	10.5	0.0	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	17.0	---	19.5	18.5	20.5	17.0	23.5	20.0	19.0	18.0
2	---	---	---	---	19.0	18.0	19.0	17.0	22.0	19.0	19.0	18.0
3	---	---	---	---	18.5	17.5	20.0	18.0	21.5	18.5	20.0	17.0
4	---	---	---	12.0	18.5	18.0	19.5	18.0	21.5	18.0	21.0	18.0
5	---	---	---	---	19.5	17.5	19.5	18.0	22.0	19.0	20.5	18.0
6	---	---	20.5	---	19.0	17.0	20.5	18.5	21.0	20.0	19.5	16.5
7	---	---	---	---	20.0	17.0	21.0	19.0	20.5	19.0	19.5	16.0
8	12.5	---	---	13.0	21.0	17.5	22.0	20.0	20.5	18.5	20.5	16.5
9	---	---	---	---	21.5	18.0	22.5	20.5	21.0	18.5	19.5	18.0
10	---	---	---	---	21.0	20.0	23.0	21.0	21.5	19.0	18.5	16.5
11	---	---	---	---	22.0	20.0	25.0	22.0	22.5	19.5	18.5	15.5
12	---	8.5	---	---	23.5	21.0	25.0	23.0	23.5	20.5	19.0	15.5
13	---	---	---	---	24.0	21.5	23.0	21.0	23.5	21.5	20.5	16.5
14	---	---	17.0	16.0	24.0	22.0	23.0	20.5	23.5	21.5	21.0	18.0
15	---	---	18.0	17.0	23.5	22.0	25.5	22.5	22.0	19.5	20.5	18.0
16	---	---	18.0	17.0	22.0	19.0	23.5	21.0	20.5	18.5	20.5	18.5
17	18.0	---	17.5	15.5	20.5	18.5	21.0	19.0	21.0	19.0	19.5	18.5
18	---	---	16.5	14.0	22.0	19.5	21.0	18.5	21.0	18.5	20.5	18.0
19	---	---	16.0	13.5	20.5	19.5	21.5	19.0	21.5	19.5	21.0	18.0
20	---	---	17.5	---	19.5	18.5	22.5	20.5	22.5	19.5	20.5	19.0
21	---	---	19.0	---	19.0	17.0	23.5	21.0	23.0	20.0	19.0	16.5
22	---	---	---	---	19.0	18.0	23.0	22.5	23.0	20.5	17.5	15.0
23	---	---	---	---	19.0	17.0	25.5	22.0	23.5	20.5	18.0	14.5
24	---	---	---	---	19.0	18.0	26.5	23.5	24.0	21.5	18.0	15.0
25	---	---	---	---	19.5	18.5	24.5	22.0	23.0	22.0	17.5	15.0
26	---	---	---	---	21.5	18.5	24.0	21.5	23.5	21.5	17.0	16.0
27	---	---	---	---	22.0	19.0	23.5	22.0	24.5	22.0	17.0	16.5
28	---	7.5	---	---	22.0	20.0	24.5	22.5	24.5	22.5	16.5	15.5
29	---	---	---	---	21.5	18.0	24.0	22.0	23.0	20.0	16.0	14.5
30	---	---	---	---	19.5	17.5	24.0	22.0	21.5	18.5	16.0	14.5
31	---	---	---	---	---	---	24.0	22.0	21.0	17.0	---	---
MONTH	---	---	---	---	24.0	17.0	26.5	17.0	24.5	17.0	21.0	14.5
YEAR	26.5	0.0										

03275600 East Fork Whitewater River at Abington, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
OCT.					
02...	1145	13.0	29	2	.16
NOV.					
10...	1015	15.0	66	71	13
DEC.					
11...	1200	4.5	52	13	1.8
JAN.					
15...	1530	1.5	254	13	8.9
MAR.					
02...	1100	12.5	141	15	5.7
APR.					
07...	1030	9.0	117	40	12
MAY					
07...	1045	13.0	80	115	24
JUNE					
16...	1215	21.5	35	116	11
JULY					
09...	1030	21.5	60	30	4.8
AUG.					
20...	1015	21.0	27	34	2.5
SEP.					
24...	1315	17.5	15	9	.37

03275990 Brookville Lake at Brookville, Ind.

LOCATION.--Lat 39°26'27", long 85°00'10", in NE¼SE¼ sec.17, T.9 N., R.2 W., Franklin County, in discharge tower of reservoir on East Fork Whitewater River, 1.4 miles (2.3 km) northeast of Brookville, and 2.2 miles (3.5 km) above mouth.

DRAINAGE AREA.--379 mi^2 (982 km^2).

PERIOD OF RECORD.--January 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 700.00 ft (213.360 m) above mean sea level (levels by Corps of Engineers).

EXTREMES.--Current year: Maximum contents, 179,580 acre-ft (221 hm^3) Aug. 28, elevation, 747.15 ft (227.731 m); minimum, 127,370 acre-ft (157 hm^3) Feb. 3, elevation, 735.93 ft (224.311 m).
Period of record: Maximum contents, 200,260 acre-ft (247 hm^3) Apr. 28, 1975, elevation, 751.01 ft (228.908 m); minimum, 127,370 acre-ft (157 hm^3) Feb. 3, 1976, elevation, 735.93 ft (224.311 m).

REMARKS.--Reservoir is formed by earth and rock-fill dam. Releases normally controlled by two gates, 5.25 ft (1.60 m) wide and 12 ft (3.66 m) high, in circular conduit through dam. Minimum design capacity is 55,600 acre-ft (68.6 hm^3), elevation, 713 ft (217.3 m). Seasonal pool capacity is 184,000 acre-ft (227 hm^3), elevation, 748 ft (228.0 m). Capacity at uncontrolled spillway is 359,600 acre-ft (443 hm^3), elevation, 775 ft (236.2 m). Reservoir is used for flood control and recreation. Reservoir was put in operation on January 22, 1974.

COOPERATION.--Water-stage recorder graph and capacity tables furnished by Corps of Engineers.

Month-end elevation and contents, water year October 1975 to September 1976

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	747.10	179,160	-
Oct. 31	742.03	154,290	-24,870
Nov. 30	736.30	128,910	-25,380
Dec. 31	736.52	129,830	+920
Calendar year 1975	-	-	-16,070
Jan. 31	736.01	127,700	-2,130
Feb. 29	736.58	130,080	+2,380
Mar. 31	741.36	151,170	+21,090
Apr. 30	742.60	156,990	+5,820
May 31	743.21	159,900	+2,910
June 30	745.85	172,920	+13,020
July 31	746.67	177,110	+4,190
Aug. 31	747.09	179,260	+2,150
Sept. 30	746.85	178,030	-1,230
Water year 1976	-	-	-1,130

03276000 East Fork Whitewater River at Brookville, Ind.

LOCATION.--Lat 39°26'02", long 85°00'12", in NE¼NE¼ sec.20, T.9 N., R.2 W., Franklin County, on right bank 100 ft (30 m) upstream from bridge on State Highway 101, at Brookville, 0.4 mile (0.6 km) downstream from Brookville Lake, and 1.8 miles (2.9 km) upstream from mouth.

DRAINAGE AREA.--380 mi^2 (984 km^2).

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

GAGE.--Water-stage recorder. Datum of gage is 621.76 ft (189.512 m) above mean sea level. Prior to May 22, 1954, nonrecording gage at site 100 ft (30 m) downstream at datum 2.00 ft (0.610 m) higher. May 22, 1954, to Aug. 20, 1965, water-stage recorder at site 165 ft (50 m) downstream at datum 2.00 ft (0.610 m) higher.

AVERAGE DISCHARGE.--22 years, 376 ft^3/s (10.65 m^3/s), 13.44 in/yr (341 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,210 ft^3/s (147 m^3/s) Jan. 27, gage height, 7.45 ft (2.271 m); minimum daily, 30 ft^3/s (0.85 m^3/s) Aug. 23.
Period of record: Maximum discharge, 36,100 ft^3/s (1,020 m^3/s) Jan. 21, 1959; maximum gage height, 17.35 ft (5.288 m) May 24, 1968; minimum daily discharge, 15 ft^3/s (0.43 m^3/s) Feb. 25, 1974.

REMARKS.--Records good. Flow regulated by Brookville Lake since January 1974 (see sta 03275990).

REVISIONS (WATER YEARS).--WSP 1555: 1954(M), 1955(P). WSP 1908: 1955, drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	295	390	203	1430	377	39	42	43	46	35	37	38
2	234	423	291	999	328	39	42	43	34	34	37	38
3	346	471	296	999	272	40	42	42	32	34	37	38
4	364	515	296	558	238	40	41	42	32	35	37	38
5	364	480	296	316	234	43	41	42	32	36	37	38
6	364	471	296	322	233	42	41	42	32	35	39	40
7	364	463	230	316	234	40	41	40	32	34	37	40
8	370	471	137	316	232	40	40	40	32	35	37	40
9	383	409	137	311	234	40	40	40	33	36	37	40
10	409	370	137	264	236	42	41	42	33	36	37	38
11	409	352	137	198	531	42	41	42	34	36	38	38
12	403	409	137	198	788	43	40	40	34	36	39	38
13	403	515	137	311	784	42	40	40	37	44	37	38
14	403	515	140	850	644	42	41	33	36	36	37	37
15	396	471	327	999	401	42	41	35	35	37	36	38
16	396	480	759	658	509	43	41	36	35	37	36	39
17	396	282	1270	268	1420	43	41	36	34	36	36	39
18	403	614	1540	198	3130	43	42	34	34	36	36	39
19	396	887	896	198	2890	43	42	34	34	36	36	39
20	684	868	170	255	717	46	42	36	33	36	36	39
21	750	928	245	316	464	51	43	34	33	37	36	39
22	968	1590	286	242	2250	47	43	34	33	37	34	36
23	983	1580	246	198	1850	47	43	34	42	37	30	39
24	909	539	198	198	390	46	43	34	38	37	37	39
25	909	73	206	198	391	43	44	34	35	37	42	39
26	634	71	339	1470	390	44	43	34	35	37	38	39
27	403	73	416	4310	237	44	43	34	35	40	38	38
28	409	73	416	3980	39	43	43	34	35	37	38	38
29	370	76	282	1450	39	43	43	33	36	37	37	39
30	364	100	374	590	---	43	43	33	37	37	37	39
31	403	---	1140	396	---	42	---	34	---	37	37	---
TOTAL	14884	14959	11980	23312	20482	1327	1253	1154	1043	1130	1143	1157
MEAN	480	499	386	752	706	42.8	41.8	37.2	34.8	36.5	36.9	38.6
MAX	983	1590	1540	4310	3130	51	44	43	46	44	42	40
MIN	234	71	137	198	39	39	40	33	32	34	30	36

CAL YR 1975 TOTAL 198240 MEAN 543 MAX 5890 MIN 27
WTR YR 1976 TOTAL 93824 MEAN 256 MAX 4310 MIN 30

03276500 Whitewater River at Brookville, Ind.

LOCATION.--Lat 39°24'24", long 85°00'46", in NE¼NW¼ sec.32, T.9 N., R.2 W., Franklin County, on right bank at downstream side of highway bridge, 0.3 mile (0.5 km) downstream from East Fork Whitewater River, 1.1 miles (1.8 km) south of Brookville, and at mile 29.3 (47.1 km).

DRAINAGE AREA.--1,224 mi^2 (3,170 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: 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.
CHEMICAL ANALYSIS: October 1974 to current year.
WATER TEMPERATURE: October 1974 to current year.
SEDIMENT DISCHARGE: October 1974 to current year (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 595.71 ft (181.572 m) above mean sea level. Prior to July 1923, nonrecording gage at same site at datum 1.5 ft (0.457 m) higher. July 1923 to Sept. 27, 1928, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--55 years (1915-17, 1923 to current year), 1,260 ft^3/s (35.68 m^3/s), 13.98 in/yr (355 mm/yr).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	371	713	1150	4310	1480	796	609	347	2020	1410	253	166
2	340	693	765	2720	1130	731	572	338	1200	748	248	167
3	431	769	657	2810	937	696	554	335	603	569	244	166
4	450	823	575	2020	854	1200	529	325	450	510	243	167
5	431	803	545	1250	816	3450	512	314	375	475	240	167
6	450	799	538	1140	1050	2230	495	311	327	458	589	166
7	450	788	494	1130	976	1430	485	334	308	406	507	165
8	518	793	353	995	862	1130	470	333	289	401	234	167
9	738	702	356	732	959	991	455	311	278	362	200	172
10	624	706	356	653	1330	894	446	296	268	332	187	173
11	588	792	344	654	4150	856	450	292	255	315	178	168
12	567	798	320	634	3020	803	446	282	252	304	173	166
13	562	881	331	1900	2390	934	437	277	245	304	172	162
14	563	856	353	3550	2240	942	429	274	239	288	277	158
15	560	843	3030	2450	1750	818	426	276	236	291	253	156
16	558	839	3570	1910	2690	767	420	284	242	397	204	155
17	583	585	2680	1090	5370	738	410	285	242	451	184	155
18	1740	774	2410	737	10100	689	401	293	239	349	172	155
19	1450	1110	1550	656	6480	661	395	276	380	314	166	155
20	1510	1040	709	720	3060	655	408	264	304	295	162	155
21	1340	1150	685	790	3420	1530	419	258	264	285	158	154
22	1560	1800	672	652	5730	1340	431	253	252	527	155	151
23	1540	1790	603	549	3910	991	400	247	245	355	151	153
24	1480	752	499	624	2060	856	381	243	301	296	154	153
25	1420	222	479	2170	1790	781	404	241	393	276	614	151
26	1080	220	1790	12000	1540	724	461	239	384	266	277	155
27	697	226	1500	9970	1230	731	418	237	336	310	190	180
28	684	233	1120	5910	918	717	385	236	297	302	176	180
29	769	233	757	3430	856	655	365	228	289	275	173	171
30	834	1020	2170	2140	---	642	357	233	1910	269	168	163
31	742	---	4460	1710	---	629	---	548	---	260	163	---
TOTAL	25630	23753	35821	72006	73098	31007	13370	9010	13423	12400	7265	4872
MEAN	827	792	1156	2323	2521	1000	446	291	447	400	234	162
MAX	1740	1800	4460	12000	10100	3450	609	548	2020	1410	614	180
MIN	340	220	320	549	816	629	357	228	236	260	151	151
CFSM	.68	.65	.94	1.90	2.06	.82	.36	.24	.37	.33	.19	.13
IN.	.78	.72	1.09	2.19	2.22	.94	.41	.27	.41	.38	.22	.15

CAL YR 1975 TOTAL 581738 MEAN 1594 MAX 26300 MIN 144 CFSM 1.30 IN 17.68
WTR YR 1976 TOTAL 321655 MEAN 879 MAX 12000 MIN 151 CFSM .72 IN 9.78

03276500 Whitewater River at Brookville, Ind.--Continued

EXTREMES.--WATER DISCHARGE, Current year: Maximum discharge, 14,400 ft^3/s (408 m^3/s) Jan. 26, gage height, 10.54 ft (3.213 m); minimum daily, 151 ft^3/s (4.28 m^3/s) Aug. 23, Sept. 22, 25.
Period of record: Maximum discharge, 81,800 ft^3/s (2,320 m^3/s) Jan. 21, 1959, gage height, 27.78 ft (8.467 m), from rating curve extended above 45,000 ft^3/s (1,270 m^3/s) on basis of contracted-opening measurement of peak flow; minimum daily, 60 ft^3/s (1.70 m^3/s) July 27, 1934.
Flood of Mar. 25, 1913, reached a stage of 39.0 ft (11.9 m), present datum, from floodmarks (discharge not determined).

SPECIFIC CONDUCTANCE, Current year: Maximum conductance, 575 micromhos Mar. 17; minimum, 290 micromhos Aug. 7.
Period of record: Maximum conductance, 595 micromhos Dec. 23, 1974; minimum, 270 micromhos Mar. 12, 1975.

WATER TEMPERATURE, Current year: Maximum temperature, 27.0°C July 15; minimum 0.0°C Jan. 9, 10, 17, 18.
Period of record: Maximum temperature, 28.0°C July 31, Aug. 21, 1975; minimum temperature 0.0°C Jan. 9, 10, 17, 18, 1976.

REMARKS.--Records good. Flow regulated by Brookville Lake since January 1974 (see sta 03275990).

REVISIONS (WATER YEARS).--WSP 1335: 1915-17, 1929, 1930(M), 1933(M), 1934, 1935(m), 1936. WSP 1505: 1916(M). WSP 1908: Drainage area.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
OCT.					
02...	1500	14.5	135	33	12
NOV.					
07...	1530	14.0	788	56	119
DEC.					
10...	1545	6.0	362	22	22
JAN.					
15...	1100	2.0	2360	70	446
FEB.					
27...	1400	8.0	1360	49	180
APR.					
01...	1415	10.5	603	26	42
MAY					
06...	1600	16.5	308	35	29
JUNE					
10...	1645	24.0	264	46	32
JULY					
14...	1730	25.5	278	47	35
AUG.					
09...	1430	--	166	59	26
SEP.					
23...	1545	19.0	150	31	12

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	TURBIDITY (JTU)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	CARBON DIOXIDE (CO2) (MG/L)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.											
02...	1500	14.5	135	9	580	11.0	8.2	3.2	258	315	0
NOV.											
07...	1530	14.0	788	4	405	10.2	7.9	4.6	187	228	0
DEC.											
10...	1545	6.0	362	2	515	--	8.5	1.5	237	289	0
JAN.											
15...	1100	2.0	2360	15	345	10.4	7.4	13	167	204	0
FEB.											
27...	1400	8.0	1360	7	464	7.4	7.6	11	228	278	0
APR.											
01...	1415	10.5	603	2	508	--	8.5	1.5	240	293	0
MAY											
06...	1600	16.5	308	1	530	11.5	8.1	3.6	230	281	0
JUNE											
10...	1645	24.0	264	4	590	11.5	8.3	2.2	228	278	0
JULY											
14...	1730	25.5	278	10	565	10.5	8.4	1.8	227	277	0
AUG.											
19...	1430	24.2	335	2	705	9.9	7.7	8.6	221	269	0
SEP.											
23...	1545	19.0	150	7	565	10.5	8.3	2.2	228	278	0

03276500 Whitewater River at Brookville, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	SUS-PENDED CAD-MIUM (CD) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	SUS-PENDED CHRO-MIUM (CR) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)
NOV.												
07...	1530	5.6	0	0	0	0	1	1	<10	0	10	1
FEB.												
27...	1400	3.9	1	0	1	0	1	1	<10	0	<10	1
MAY												
06...	1600	4.2	1	0	0	0	0	0	10	0	10	0
AUG.												
19...	1430	2.5	1	0	1	1	0	1	<10	0	<10	0

DATE	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	SUS-PENDED SELE-NIUM (SE) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	TOTAL MERCURY (HG) (UG/L)
NOV.											
07...	300	240	0	0	0	0	1	1	<.5	.0	<.5
FEB.											
27...	30	10	0	0	0	1	0	1	<.5	.0	<.5
MAY											
06...	30	0	10	10	20	0	0	0	<.5	.0	<.5
AUG.											
19...	40	10	20	0	20	1	0	1	<.5	.0	<.5

DATE	SUS-PENDED COBALT (CO) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS-PENDED MAN-GANESE (MN) (UG/L)
NOV.											
07...	1	2	10	0	10	200	40	3	2	5	60
FEB.											
27...	0	0	0	0	0	420	20	0	5	5	20
MAY											
06...	0	0	0	10	10	130	30	1	9	10	30
AUG.											
19...	1	1	10	0	10	1200	40	5	5	10	30

03276500 Whitewater River at Brookville, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL PHYTO-PLANK-TON (CELLS PER ML)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRO-GEN (NO3) (MG/L)
OCT.											
02...	2.5	21	44	.3	4.3	4600	366	344	133	.50	12
NOV.											
07...	2.6	17	31	.1	2.3	26000	221	245	470	.30	5.6
DEC.											
10...	2.4	18	49	.1	4.3	2500	336	326	328	.46	7.7
JAN.											
15...	2.9	15	36	.2	2.6	3400	241	234	1540	.33	9.7
FEB.											
27...	2.2	16	41	.2	5.4	6200	321	303	1180	.44	15
APR.											
01...	1.8	16	47	.2	3.8	1500	338	324	550	.46	11
MAY											
06...	2.2	17	46	.4	1.4	11000	338	308	281	.46	10
JUNE											
10...	2.0	19	45	.2	5.6	7100	387	321	276	.53	11
JULY											
14...	2.6	16	44	.2	5.0	9100	367	301	275	.50	9.7
AUG.											
19...	2.4	19	46	.2	4.2	67000	372	310	336	.51	7.5
SEP.											
23...	2.4	23	46	.2	3.9	71000	385	322	156	.52	7.3

DATE	TOTAL NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM
OCT.											
02...	2.7	.68	2.0	.06	300	44	80	25	12	.3	8
NOV.											
07...	1.3	.36	.91	.04	200	12	55	15	8.9	.3	9
DEC.											
10...	1.7	.23	1.5	.04	300	65	68	32	9.7	.2	6
JAN.											
15...	2.2	.68	1.5	.12	210	39	48	21	7.3	.2	7
FEB.											
27...	3.3	.70	2.6	.08	270	41	70	23	8.0	.2	6
APR.											
01...	2.4	.30	2.1	.03	300	57	76	26	8.4	.2	6
MAY											
06...	2.3	.45	1.8	.03	270	41	64	27	11	.3	8
JUNE											
10...	2.4	.40	2.0	.05	300	70	73	28	11	.3	7
JULY											
14...	2.2	.48	1.7	.06	250	25	63	23	11	.3	9
AUG.											
19...	1.7	.30	1.4	.07	270	52	68	25	12	.3	9
SEP.											
23...	1.7	.45	1.2	.08	290	58	70	27	12	.3	8

03276500 Whitewater River at Brookville, Ind.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	480	435	430	400	515	545	430	485	400	390	525	530
2	540	435	485	440	540	555	495	475	430	470	530	540
3	430	430	505	450	545	520	465	500	510	520	530	545
4	435	435	515	500	550	510	490	530	530	535	525	550
5	435	430	510	485	540	370	470	530	540	540	525	545
6	435	435	520	520	550	440	490	530	555	510	515	540
7	425	435	520	500	500	490	500	530	510	520	290	545
8	430	465	535	510	515	535	490	520	545	545	395	545
9	415	465	545	540	535	540	490	530	520	505	510	530
10	420	465	540	545	520	545	490	515	520	550	530	530
11	425	460	505	555	345	545	510	525	550	545	530	515
12	425	460	520	515	415	545	500	520	510	545	535	525
13	430	460	510	535	465	520	460	540	540	530	525	535
14	425	460	510	425	485	525	475	530	535	515	525	530
15	430	465	435	420	490	520	450	550	525	500	405	530
16	425	465	405	465	440	540	470	540	525	505	485	530
17	425	560	440	530	440	575	470	535	535	505	500	540
18	365	540	455	480	400	550	495	535	505	410	515	540
19	395	540	495	545	435	550	415	535	525	475	530	550
20	425	555	530	540	470	540	475	530	495	515	530	550
21	440	545	530	525	480	420	485	530	515	530	485	560
22	435	445	520	540	445	460	450	545	530	530	535	555
23	435	445	515	540	475	510	475	525	540	395	485	555
24	435	550	535	535	510	530	515	555	530	510	540	550
25	435	545	530	495	515	525	515	505	495	530	490	555
26	430	540	390	380	520	540	500	545	525	535	365	530
27	435	545	440	385	535	540	505	490	530	455	450	545
28	435	550	470	455	555	525	510	545	530	480	510	515
29	440	540	520	485	555	540	490	515	530	455	525	545
30	425	495	465	505	---	515	515	550	375	525	530	545
31	430	---	395	510	---	525	---	520	---	530	540	---
MONTH	432	487	491	492	493	519	483	526	514	503	497	540

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.0	12.5	6.5	3.0	2.0	11.0	10.0	15.5	18.5	21.0	21.5	19.5
2	15.0	14.0	6.5	4.0	1.5	12.0	12.0	14.0	19.0	20.0	20.5	19.0
3	16.5	13.0	7.0	4.0	2.5	14.5	15.0	14.5	19.0	22.0	19.5	22.0
4	16.0	14.0	8.0	3.5	3.0	16.0	12.0	15.0	21.0	21.0	21.0	19.5
5	16.0	14.5	8.5	1.5	2.5	13.0	13.5	17.0	20.0	21.5	23.0	19.0
6	17.0	14.5	9.5	1.5	1.0	9.0	15.0	17.0	19.0	22.0	21.5	18.0
7	17.0	14.5	7.0	2.5	0.5	7.0	14.5	16.0	24.0	21.0	20.0	18.0
8	16.0	14.5	7.0	1.0	2.5	9.0	14.5	17.0	24.0	24.0	20.0	18.5
9	17.0	15.0	5.5	0.0	4.0	10.0	12.5	13.5	25.0	22.5	20.0	19.5
10	17.5	14.5	5.5	0.0	6.0	9.0	14.0	19.0	25.0	22.5	20.0	18.5
11	17.5	13.0	6.5	2.5	3.5	9.0	11.5	19.0	22.0	23.5	22.0	12.0
12	17.0	13.0	7.0	3.5	3.5	10.0	13.0	19.5	25.0	24.5	22.0	11.0
13	16.5	11.5	9.5	2.5	4.5	7.5	14.0	20.0	24.0	23.0	22.0	17.5
14	17.0	15.0	10.0	1.5	4.0	8.0	16.0	19.0	24.5	26.5	22.0	18.0
15	16.5	11.0	10.0	1.5	5.0	8.5	16.5	20.0	23.5	27.0	21.5	19.0
16	16.0	11.5	12.0	2.5	7.5	8.0	19.5	19.0	21.0	24.0	20.0	19.0
17	15.0	10.0	5.5	0.0	7.0	6.5	18.5	17.0	23.5	22.0	23.0	19.0
18	11.5	10.0	4.0	0.0	7.0	8.5	20.0	17.0	22.0	21.0	20.0	18.5
19	12.0	10.0	3.5	1.5	5.5	11.0	21.0	20.0	22.5	21.5	20.0	18.0
20	12.0	10.0	3.0	2.5	6.0	12.5	21.0	22.0	20.0	21.5	21.0	19.0
21	15.0	7.0	2.5	2.0	7.0	10.0	17.5	22.0	22.0	22.5	21.5	18.0
22	13.5	10.5	3.5	2.5	5.5	10.0	15.5	22.5	21.0	22.5	21.0	15.0
23	13.5	10.5	3.5	3.0	5.5	11.0	20.0	19.5	20.0	23.0	21.0	15.0
24	13.5	6.0	3.5	4.0	6.5	11.5	17.5	21.0	20.5	24.5	22.0	15.0
25	13.0	5.5	4.0	3.0	8.0	13.5	16.0	20.0	20.5	22.5	22.0	16.0
26	11.5	5.5	2.0	1.0	9.0	15.0	15.0	21.0	20.0	22.5	23.0	17.0
27	14.5	5.0	3.5	1.0	9.5	13.0	14.0	21.0	21.0	22.5	22.0	18.0
28	14.5	5.0	4.0	2.0	9.5	12.0	15.0	19.0	22.5	23.5	23.5	15.5
29	13.5	6.0	4.5	2.0	10.0	12.0	16.5	18.0	24.0	23.0	21.5	15.0
30	13.0	9.5	4.5	2.0	---	15.0	17.0	19.0	21.0	22.5	19.0	15.0
31	13.0	---	4.5	2.5	---	12.5	---	20.0	---	22.5	19.0	---
MONTH	15.0	11.0	6.0	2.0	5.0	11.0	15.5	18.5	22.0	22.5	21.0	17.5

03276700 South Hogan Creek near Dillsboro, Ind.
(Hydrologic bench-mark station)

LOCATION.--Lat 39°01'47", long 85°02'17", in SW¼NW¼ sec.7, T.4 N., R.2 W., Dearborn County, on left downstream abutment of bridge on county road at Dillsboro Station, 1.2 miles (1.9 km) northeast of Dillsboro, and 1.5 miles (2.4 km) downstream from Whitaker Creek.

DRAINAGE AREA.--38.1 mi^2 (98.7 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: July 1961 to current year. Occasional low-flow measurements, water year 1960.
CHEMICAL ANALYSES: October 1968 to current year.
SEDIMENT DISCHARGE: August 1969 to current year (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 571.00 ft (174.041 m) above mean sea level.

AVERAGE DISCHARGE.--15 years, 39.9 ft^3/s (1.130 m^3/s), 14.22 in/yr (361 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,590 ft^3/s (73.3 m^3/s) Jan. 13, gage height, 6.79 ft (2.070 m); minimum daily, 0.02 ft^3/s (0.001 m^3/s) Aug. 4, 5, Sept. 5, 8, 25.
Period of record: Maximum discharge, 13,000 ft^3/s (368 m^3/s) Apr. 29, 1970, gage height, 12.7 ft (3.87 m), from floodmarks, no flow at times most years.
Flood of Jan. 21, 1959, reached a stage of 14.00 ft (4.267 m), discharge, 16,300 ft^3/s (462 m^3/s), on basis of contracted-opening measurement.

REMARKS.--Records good.

REVISIONS.--WRD Ind. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.56	11	110	255	22	15	29	3.2	6.9	5.4	.16	.03
2	.52	9.3	39	112	17	14	21	3.1	6.6	4.0	.10	.04
3	.52	8.0	26	198	16	13	18	2.6	4.6	3.4	.04	.04
4	.42	7.5	19	59	14	13	16	2.1	3.6	2.8	.02	.03
5	.42	6.4	16	42	18	23	14	1.7	2.5	2.8	.02	.02
6	.33	5.9	47	30	27	22	12	1.8	2.0	2.3	88	.03
7	.33	5.2	56	28	23	15	11	2.1	1.5	1.5	47	.03
8	59	4.4	29	24	16	13	9.8	2.0	1.1	2.1	9.5	.02
9	29	4.4	24	23	13	12	8.4	1.8	.98	2.1	5.0	.08
10	12	75	22	17	15	11	8.0	1.6	.52	2.1	3.2	.29
11	5.9	33	21	24	29	12	8.5	1.5	.29	1.7	2.5	2.4
12	3.2	18	17	27	22	14	8.0	1.2	.22	.98	1.7	1.2
13	2.5	13	17	557	26	19	7.0	1.1	.15	.52	2.3	.68
14	2.3	10	16	211	41	15	6.7	1.1	.10	.21	108	.41
15	2.3	8.0	384	65	26	13	6.2	1.8	.09	.26	28	.20
16	2.3	6.9	119	41	63	13	5.8	5.3	1.6	6.6	11	.14
17	106	6.4	47	30	62	12	5.4	10	3.8	9.9	5.6	.11
18	241	5.2	27	25	554	11	4.7	13	2.7	5.2	2.9	.07
19	77	4.8	21	19	231	11	4.3	6.5	5.4	2.9	1.9	.04
20	48	4.8	18	17	79	22	4.2	4.4	3.3	1.8	1.2	.05
21	28	6.1	15	15	57	115	4.3	3.4	2.3	1.4	.80	.04
22	17	5.0	12	14	69	36	4.9	2.7	1.7	.98	.42	.03
23	12	4.4	11	17	39	25	4.0	2.4	1.7	.73	.25	.03
24	9.5	4.0	10	53	29	21	3.7	2.0	80	.52	.16	.03
25	7.7	4.0	14	419	24	18	7.8	1.7	82	.33	.12	.02
26	6.4	4.2	307	752	23	19	9.8	1.5	23	.26	.20	.24
27	5.6	6.6	61	93	20	33	5.3	1.4	10	.33	.20	.86
28	5.0	7.2	35	56	18	25	4.3	1.4	6.6	.42	.14	1.1
29	30	68	28	37	16	21	3.9	2.0	8.0	.21	.15	1.7
30	31	299	156	30	---	21	3.4	2.1	11	.12	.10	2.1
31	16	---	387	24	---	27	---	4.2	---	.16	.05	---
TOTAL	761.80	655.7	2111	3314	1609	654	259.4	92.7	274.25	64.03	320.73	12.06
MEAN	24.6	21.9	68.1	107	55.5	21.1	8.65	2.99	9.14	2.07	10.3	.40
MAX	241	299	387	752	554	115	29	13	82	9.9	108	2.4
MIN	.33	4.0	10	14	13	11	3.4	1.1	.09	.12	.02	.02
CFSM	.65	.57	1.79	2.81	1.46	.55	.23	.08	.24	.05	.27	.01
IN.	.74	.64	2.06	3.24	1.57	.64	.25	.09	.27	.06	.31	.01

CAL YR 1975 TOTAL 19645.10 MEAN 53.8 MAX 1870 MIN 0 CFSM 1.41 IN 19.18
WTR YR 1976 TOTAL 10128.67 MEAN 27.7 MAX 752 MIN .02 CFSM .73 IN 9.89

PEAK DISCHARGE (BASE, 2,500 FT^3/S).--Jan. 13 (1730) 2,590 ft^3/s (6.79 ft).

03276700 South Hogan Creek near Dillsboro, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	CARBON DIOXIDE (CO2) (MG/L)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.										
02...	1915	.47	13.0	420	8.4	8.2	1.8	147	179	0
NOV.										
07...	1115	5.9	15.5	460	9.7	8.1	2.9	188	229	0
DEC.										
10...	1300	24	3.5	455	--	8.6	.9	193	235	0
JAN.										
14...	1645	107	1.0	294	12.0	7.4	8.3	107	130	0
FEB.										
27...	0845	20	8.0	488	--	8.1	2.8	183	223	0
APR.										
01...	1030	28	9.0	455	--	8.0	4.0	205	250	0
MAY										
06...	1130	1.8	17.0	510	10.7	6.6	86	176	214	0
JUNE										
10...	1300	.52	24.5	543	11.7	8.2	2.1	173	211	0
AUG.										
19...	1130	1.8	23.5	435	10.1	6.9	32	131	160	0
SEP.										
23...	1315	.03	17.0	455	9.5	7.8	4.7	152	185	0

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	PERCENT SODIUM
OCT.									
02...	.03	.08	190	42	59	10	16	.5	15
NOV.									
07...	.02	.06	240	54	72	15	13	.4	10
DEC.									
10...	.76	.09	240	45	72	14	11	.3	9
JAN.									
14...	1.0	.17	130	24	40	7.5	7.0	.3	10
FEB.									
27...	.43	.05	230	50	72	13	10	.3	8
APR.									
01...	.14	.05	260	57	82	14	12	.3	9
MAY									
06...	.01	.04	250	78	72	18	17	.5	13
JUNE									
10...	.04	.05	230	58	66	16	24	.7	18
AUG.									
19...	.13	.08	170	35	52	8.8	11	.4	12
SEP.									
23...	.03	.05	200	49	59	13	14	.4	13

DATE	DISSOLVED POTASSIUM (K) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)
OCT.									
02...	4.2	20	62	.2	1.7	262	261	.33	.36
NOV.									
07...	3.8	16	63	.1	.4	341	296	5.43	.46
DEC.									
10...	3.1	15	67	.2	5.7	318	304	20.6	.43
JAN.									
14...	3.0	11	34	.2	5.1	182	172	52.6	.25
FEB.									
27...	2.0	12	59	.1	1.9	294	280	15.9	.40
APR.									
01...	1.8	13	67	.2	1.9	269	315	20.3	.37
MAY									
06...	2.6	18	90	.2	.4	336	324	1.64	.46
JUNE									
10...	3.2	27	80	.2	4.7	359	325	.50	.49
AUG.									
19...	4.2	12	46	.2	5.3	238	218	1.16	.32
SEP.									
23...	3.5	20	52	.2	5.1	286	258	.02	.39

03276700 South Hogan Creek near Dillsboro, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	CYANIDE (CN) (MG/L)
NOV. 07...	1115	0	0	1	0	0	.03
MAY 06...	1130	0	100	0	<10	0	.00

DATE	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
NOV. 07...	160	6	300	<.5	0	1	30
MAY 06...	140	1	40	<.5	0	0	0

DATE	TIME	DISSOLVED URANIUM (U) (UG/L)	DISSOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUSPENDED GROSS ALPHA AS U-NAT. (UG/L)	DISSOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUSPENDED GROSS BETA AS SR90 /Y90 (PC/L)	DISSOLVED RA-226 (RADON METHOD) (PC/L)	DISSOLVED GROSS BETA AS CS-137 (PC/L)	SUSPENDED GROSS BETA AS CS-137 (PC/L)	TOTAL FILTRABLE RESIDUE (MG/L)	TOTAL NONFILTRABLE RESIDUE (MG/L)
OCT. 02...	1915	.40	<2.7	<.4	5.9	<.4	.03	7.5	<.4	260	1

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
JAN. 14...	1645	1.0	107	78	23

03291780 Indian-Kentuck Creek near Canaan, Ind.

LOCATION.--Lat 38°52'41", long 85°15'26", in SW¼NW¼ sec.13, T.5 N., R.11 E., Jefferson County, on downstream end of left pier of bridge on State Highway 62, 1,500 ft (457 m) upstream from Wilson Fork, 2.0 miles (3.2 km) northeast of Canaan, and at mile 16.7 (26.9 km).

DRAINAGE AREA.--27.5 mi^2 (71.2 km^2).

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 590 ft (180 m), from topographic map.

AVERAGE DISCHARGE.--7 years, 29.4 ft^3/s (0.833 m^3/s), 14.52 in/yr (369 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,660 ft^3/s (47.0 m^3/s) Jan. 26, gage height, 6.20 ft (1.890 m), from rating curve extended above 600 ft^3/s (17.0 m^3/s); minimum daily, 0.02 ft^3/s (0.001 m^3/s) Aug. 4, 5.
Period of record: Maximum discharge, 3,220 ft^3/s (91.2 m^3/s) Feb. 23, 1975, gage height, 7.42 ft (2.262 m), from rating curve extended above 600 ft^3/s (17.0 m^3/s); maximum gage height, 11.02 ft (3.359 m) Feb. 22, 1971; no flow for many days in 1970, 1972, and 1975.

REMARKS.--Records good except those for periods of no gage-height record, April 27 to July 28 and Aug. 29. to Sept. 30, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.35	3.4	78	195	20	14	22	1.7	4.8	20	.06	6.0
2	.32	3.0	34	98	17	13	17	1.6	4.6	8.6	.06	4.0
3	.29	3.0	22	200	15	12	14	1.5	3.2	5.8	.04	2.5
4	.27	2.9	16	61	13	11	13	1.4	2.6	4.3	.02	1.4
5	.28	2.7	12	40	15	14	11	1.2	1.8	3.5	.02	.70
6	.30	2.5	29	32	24	12	10	1.3	1.4	3.0	5.3	.38
7	.30	2.5	36	27	20	9.5	8.7	1.5	1.1	2.4	6.1	.20
8	42	2.5	23	30	15	8.3	7.3	1.5	.80	2.0	1.2	.10
9	12	2.7	20	25	13	8.1	6.6	1.3	.65	1.5	.55	.15
10	4.2	29	16	22	11	7.7	6.2	1.2	.43	1.1	.30	5.0
11	2.9	14	13	19	16	8.2	6.4	1.1	.20	.80	.17	2.0
12	2.0	7.5	11	25	14	8.9	5.5	1.0	.15	.54	.10	.90
13	1.7	5.6	9.4	357	20	16	5.3	.89	.10	.38	.45	.50
14	1.4	4.8	8.4	118	25	11	5.1	.82	.08	1.0	297	.32
15	1.3	4.2	237	53	17	9.8	4.9	2.5	.06	2.5	21	.25
16	1.3	3.5	81	37	26	9.8	4.5	15	1.0	6.4	6.4	.18
17	24	3.4	39	29	82	8.1	4.1	60	5.0	3.0	3.4	.18
18	81	3.1	25	25	602	7.6	3.6	20	3.1	1.5	2.4	.17
19	60	2.9	20	20	121	7.4	3.6	7.0	25	.70	1.9	.17
20	21	3.1	15	18	61	41	3.5	3.2	4.5	.40	1.6	.26
21	15	3.3	12	16	63	135	4.1	2.5	2.7	.22	1.2	.20
22	9.6	2.8	10	15	62	41	3.6	2.0	1.5	.34	1.0	.25
23	6.5	2.8	8.5	14	39	29	3.1	1.7	1.5	.17	.80	.17
24	4.8	2.7	7.5	40	32	24	4.4	1.5	53	.24	.70	.11
25	4.3	2.7	9.5	318	26	20	6.8	1.3	66	.12	31	1.0
26	3.4	2.7	222	613	23	17	3.2	1.1	21	.19	6.0	20
27	3.0	5.1	44	85	19	19	2.7	1.0	13	.27	1.4	53
28	3.1	4.8	27	55	17	15	2.3	1.0	10	.30	5.0	28
29	4.0	32	22	37	16	14	2.1	1.4	7.0	.16	1.2	18
30	7.0	226	113	28	---	15	1.9	1.5	37	.12	2.5	10
31	4.2	---	418	22	---	22	---	2.7	---	.08	8.4	---
TOTAL	321.81	391.2	1638.3	2674	1444	588.4	196.5	143.41	273.27	71.63	407.27	156.09
MEAN	10.4	13.0	52.8	86.3	49.8	19.0	6.55	4.63	9.11	2.31	13.1	5.20
MAX	81	226	418	613	602	135	22	60	66	20	297	53
MIN	.27	2.5	7.5	14	11	7.4	1.9	.82	.06	.08	.02	.10
CFSM	.38	.47	1.92	3.14	1.81	.69	.24	.17	.33	.08	.48	.19
IN.	.44	.53	2.22	3.62	1.95	.80	.27	.19	.37	.10	.55	.21

CAL YR 1975 TOTAL 14281.37 MEAN 39.1 MAX 1390 MIN 0 CFSM 1.42 IN 19.32
WTR YR 1976 TOTAL 8305.88 MEAN 22.7 MAX 613 MIN .02 CFSM .83 IN 11.24

PEAK DISCHARGE (BASE, 600 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-30	1700	5.21	808	01-13	1715	6.14	1,590
12-15	1345	5.22	815	01-26	0315	6.20	1,660
12-26	0315	5.04	695	02-18	0345	5.90	1,360
12-31	1900	5.75	1,230	08-14	1030	6.08	1,530

03294000 Silver Creek near Sellersburg, Ind.

LOCATION.--Lat 38°22'15", long 85°43'35", in SW¼SW¼ lot 68, Clark Military Grant, Clark County, on upstream side of Straws Mill bridge on Watson Road, 0.3 mile (0.5 km) downstream from Pleasant Run, 2.4 miles (3.9 km) southeast of Sellersburg, and 12.2 miles (19.6 km) upstream from mouth.

DRAINAGE AREA.--189 mi^2 (490 km^2).

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

GAGE.--Nonrecording gage and crest-stage gage. Datum of gage is 429.78 ft (130.997 m) above mean sea level (levels by State of Indiana, Department of Natural Resources).

AVERAGE DISCHARGE.--22 years, 216 ft^3/s (6.117 m^3/s), 15.52 in/yr (394 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,960 ft^3/s (140 m^3/s) Feb. 18, gage height, 20.51 ft (6.251 m); minimum daily, 2.5 ft^3/s (0.071 m^3/s) Sept. 8.
Period of record: Maximum discharge, 19,600 ft^3/s (555 m^3/s) Jan. 22, 1959, gage height, 30.89 ft (9.415 m), from flood-marks, from rating curve extended above 6,300 ft^3/s (178 m^3/s) on basis of contracted-opening measurements of peak flow, at site 5.2 miles (8.4 km) upstream, drainage area, 165 mi^2 (427 km^2), adjusted to gage site; no flow at times in most years.

REMARKS.--Records good. Some regulation by Deam Lake.

REVISIONS (WATER YEARS).--WSP 1705: 1955-58. WRD Ind. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	19	748	3550	226	148	306	17	2650	201	12	4.6
2	16	17	258	1230	178	130	296	16	2120	158	10	7.0
3	14	16	172	1560	150	123	169	17	2220	199	8.1	5.7
4	12	17	127	735	137	111	143	15	815	349	6.2	5.7
5	11	16	108	391	130	119	122	12	460	150	5.7	6.4
6	10	16	110	321	268	130	111	14	286	495	6.8	5.2
7	10	21	287	353	145	105	87	15	204	131	51	3.1
8	73	38	180	510	135	93	82	15	156	80	32	2.5
9	102	45	151	286	132	91	70	12	111	67	17	3.6
10	48	177	142	277	128	83	60	9.7	85	49	12	8.8
11	75	199	115	254	162	140	61	9.1	68	39	11	11
12	38	105	104	286	135	218	59	8.4	54	32	9.0	9.1
13	19	70	89	306	123	85	51	7.8	45	26	13	7.5
14	12	52	81	1260	122	73	48	7.8	39	22	19	7.0
15	22	43	410	510	109	68	43	10	33	20	154	7.0
16	15	36	778	353	143	67	43	20	37	239	56	6.5
17	68	34	313	258	1020	64	36	40	127	183	26	5.2
18	562	29	204	178	4050	57	34	248	101	70	14	5.0
19	370	26	143	158	3410	56	33	127	1060	41	9.7	4.4
20	190	25	127	153	785	74	30	64	315	30	7.8	4.0
21	115	31	111	132	597	648	31	45	172	22	6.5	4.4
22	88	29	93	122	912	264	35	117	315	18	5.7	4.4
23	62	22	84	111	490	159	30	68	287	15	5.5	4.4
24	47	20	55	135	370	132	23	37	772	16	5.0	4.4
25	38	20	161	353	296	117	29	29	2540	52	18	4.4
26	34	25	1900	3250	264	106	34	24	4020	22	26	7.0
27	29	127	768	1410	296	111	34	22	1170	16	11	26
28	24	119	311	535	186	109	27	22	401	24	6.8	27
29	24	75	248	480	164	113	24	53	315	18	5.7	10
30	26	255	410	296	---	287	19	70	258	20	4.4	8.4
31	24	---	1400	249	---	296	---	2410	---	16	3.8	---
TOTAL	2196	1724	10188	20002	15263	4377	2170	3581.8	21236	2820	578.7	219.7
MEAN	70.8	57.5	329	645	526	141	72.3	116	708	91.0	18.7	7.32
MAX	562	255	1900	3550	4050	648	306	2410	4020	495	154	27
MIN	10	16	55	111	109	56	19	7.8	33	15	3.8	2.5
CFSM	.37	.30	1.74	3.41	2.78	.75	.38	.61	3.75	.48	.10	.04
IN.	.43	.34	2.01	3.94	3.00	.86	.43	.70	4.18	.56	.11	.04

CAL YR 1975 TOTAL 126027.30 MEAN 345 MAX 10100 MIN .60 CFSM 1.83 IN 24.81
WTR YR 1976 TOTAL 84356.20 MEAN 230 MAX 4050 MIN 2.5 CFSM 1.22 IN 16.60

PEAK DISCHARGE (BASE, 2,500 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-01	0200	18.60	4,140	05-31	1400	16.60	3,410
01-26	1200	18.00	3,900	06-02	2400	15.80	3,130
02-18	2400	20.51	4,960	06-26	1000	19.20	4,380

03302220 Buck Creek near New Middletown, Ind.

LOCATION.--Lat 38° 27'13", long 86°05'16", in SE¼NE¼ sec.32, T.4 S., R.4 E., Harrison County, at downstream end of pier of bridge on State Highway 337, 0.6 mile (1.0 km) downstream from South Fork Buck Creek, 3.6 miles (5.8 km) southwest of New Middletown, and 14.4 miles (23.2 km) upstream from mouth.

DRAINAGE AREA.--65.2 mi² (168.9 km²), of which 28.1 mi² (72.8 km²) does not contribute directly to surface runoff.

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 501.63 ft (152.897 m) above mean sea level (level by State of Indiana, Department of Natural Resources).

AVERAGE DISCHARGE.--7 years, 86.7 ft³/s (2.455 m³/s), 18.06 in/yr (459 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,950 ft³/s (140 m³/s) June 18, gage height, 10.20 ft (3.109 m); minimum daily, 1.2 ft³/s (0.034 m³/s) Oct. 3, 4.
Period of record: Maximum discharge, 12,700 ft³/s (360 m³/s) Apr. 2, 1970, gage height, 14.40 ft (4.389 m); minimum daily, 0.90 ft³/s (0.03 m³/s) Sept. 13, 1972.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WRD Ind. 1972: 1971(P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	8.5	194	371	79	51	126	12	244	41	6.3	4.1
2	1.5	7.8	100	293	70	46	92	12	371	33	5.3	11
3	1.2	7.3	68	487	66	42	74	12	279	51	4.8	5.9
4	1.2	7.0	52	211	49	38	63	11	242	48	4.4	3.7
5	1.4	6.6	41	130	48	43	51	10	120	34	4.4	3.0
6	1.5	6.3	49	96	62	37	45	11	79	47	12	2.3
7	1.6	21	83	134	54	34	40	14	59	39	31	2.1
8	26	27	69	148	55	33	35	11	46	26	9.8	1.9
9	17	19	60	110	48	34	31	9.7	38	22	7.0	3.1
10	9.7	46	47	85	46	30	29	9.1	31	19	6.2	5.6
11	13	45	39	52	43	27	29	9.1	27	17	5.8	4.2
12	8.3	34	34	49	36	28	25	8.6	22	15	5.6	3.0
13	6.1	26	29	115	37	32	23	8.2	19	13	5.5	2.4
14	4.6	21	26	162	33	27	22	9.9	16	12	5.3	2.1
15	3.5	16	196	109	32	27	21	11	14	12	5.6	1.8
16	3.8	15	198	95	33	28	20	9.9	18	16	10	1.7
17	104	13	110	71	69	24	18	12	19	13	5.3	1.6
18	188	12	75	63	1430	23	17	21	550	11	3.8	1.6
19	109	11	64	59	403	23	16	15	533	10	3.3	1.6
20	67	11	52	46	218	24	16	12	142	9.1	3.0	1.8
21	47	11	40	42	237	40	18	10	93	8.9	2.7	1.8
22	35	9.6	35	37	249	33	17	9.7	102	10	2.4	1.7
23	27	8.2	35	35	160	30	14	8.8	82	8.1	2.3	1.4
24	21	7.6	30	35	125	30	13	7.8	124	7.2	2.3	1.4
25	18	7.5	42	333	103	29	18	7.4	215	6.6	2.9	1.3
26	15	7.9	416	1030	86	28	18	6.9	174	6.0	3.4	11
27	13	47	147	287	72	32	13	6.5	106	6.5	3.0	12
28	12	32	93	185	64	27	13	8.5	80	7.4	3.7	6.5
29	11	26	73	136	57	136	13	14	64	11	8.2	4.1
30	10	220	85	108	---	219	12	12	54	11	3.0	3.4
31	9.1	---	337	86	---	147	---	186	---	8.2	2.0	---
TOTAL	788.3	737.3	2919	5200	4064	1402	942	506.1	3963	579.0	180.3	109.1
MEAN	25.4	24.6	94.2	168	140	45.2	31.4	16.3	132	18.7	5.82	3.64
MAX	188	220	416	1030	1430	219	126	186	550	51	31	12
MIN	1.2	6.3	26	35	32	23	12	6.5	14	6.0	2.0	1.3
CFSM	.39	.38	1.44	2.58	2.15	.69	.48	.25	2.02	.29	.09	.06
IN.	.45	.42	1.67	2.97	2.32	.80	.54	.29	2.26	.33	.10	.06

CAL YR 1975 TOTAL 38066.7 MEAN 104 MAX 2610 MIN 1.2 CFSM 1.60 IN 21.72
WTR YR 1976 TOTAL 21390.1 MEAN 58.4 MAX 1430 MIN 1.2 CFSM .90 IN 12.20

PEAK DISCHARGE (BASE, 1,000 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-25	2400	7.83	2,360	06-18	2300	10.20	4,950
02-18	0400	8.28	2,760				

03302300 Little Indian Creek near Galena, Ind.

LOCATION.--Lat 38°19'19", long 85°55'53", in NE¼SW¼ sec.23, T.2 S., R.5 E., Floyd County, on right bank at downstream side of county road bridge, 2 miles (3 km) south of Galena, 3.6 miles (5.8 km) upstream from mouth, and 7.0 miles (11.3 km) northwest of New Albany.

DRAINAGE AREA.--16.1 mi^2 (41.7 km^2).

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 703.00 ft (214.274 m) above mean sea level.

AVERAGE DISCHARGE.--8 years, 23.8 ft^3/s (0.674 m^3/s), 20.06 in/yr (510 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,740 ft^3/s (106 m^3/s) May 31, gage height, 7.93 ft (2.417 m); no flow Oct. 1-7. Period of record: Maximum discharge, 5,500 ft^3/s (156 m^3/s) July 21, 1973, gage height, 9.30 ft (2.835 m); from rating curve extended above 3,100 ft^3/s (87.8 m^3/s) on basis of contracted-opening measurement at 7.34 ft (2.237 m); no flow for many days in 1969, 1975, and 1976.

REMARKS.--Records good except for period of no gage-height record, Mar. 22 to May 12, which is fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	1.7	43	122	15	11	32	2.6	194	8.6	1.1	5.7
2	0	1.6	20	88	13	11	23	2.5	251	6.8	.87	2.7
3	0	1.6	13	108	11	9.8	18	2.5	150	23	.72	1.3
4	0	1.5	9.3	45	10	9.2	15	2.3	85	13	.63	.80
5	0	1.4	7.5	35	11	13	13	2.2	41	8.7	.56	.59
6	0	1.4	14	27	14	9.8	11	2.0	23	6.5	.60	.42
7	0	3.2	15	38	12	8.8	9.6	1.9	15	5.4	2.0	.37
8	7.0	3.5	12	25	9.5	7.9	8.4	2.1	10	4.5	1.0	.37
9	2.4	3.5	11	18	10	7.9	7.6	1.9	7.7	3.8	.95	3.7
10	2.0	15	8.8	16	9.4	7.0	6.8	1.7	6.1	3.2	.78	1.8
11	2.6	8.3	7.5	15	9.3	6.2	6.4	1.6	5.0	2.8	.50	1.1
12	1.0	5.8	6.6	19	8.1	6.6	6.0	1.6	4.1	2.4	.32	.70
13	.54	4.3	5.9	102	8.4	7.0	5.8	1.6	3.6	2.0	.27	.47
14	.38	3.7	5.5	69	7.9	6.2	5.8	2.0	3.6	1.8	1.3	.41
15	.38	3.1	104	36	7.8	5.5	5.6	2.8	3.5	1.8	28	.34
16	.38	2.7	53	28	8.4	5.9	5.6	3.1	8.0	13	1.9	.30
17	30	2.5	26	19	88	5.2	5.4	22	5.8	3.7	1.1	.27
18	46	2.4	17	17	571	4.8	4.7	17	68	2.4	.88	.25
19	20	2.2	16	16	109	4.5	4.1	8.3	44	1.9	.65	.24
20	8.0	2.2	12	11	51	5.5	3.8	5.6	13	1.6	.53	.23
21	5.1	2.4	8.0	11	79	26	3.9	4.7	8.3	1.4	.47	.22
22	3.9	2.1	7.0	9.2	70	18	4.3	6.5	14	1.2	.40	.20
23	3.4	2.0	6.3	9.0	41	14	4.0	4.2	9.2	1.0	.35	.19
24	3.0	1.8	5.1	8.2	29	12	3.7	3.4	65	.84	.31	.18
25	2.6	1.8	44	312	24	11	3.6	2.9	459	.70	.70	.17
26	2.4	1.9	189	318	19	10	3.8	2.6	87	.62	.50	3.2
27	2.2	6.7	44	65	16	9.6	3.6	2.3	33	.56	.40	4.3
28	2.0	4.5	25	38	14	9.2	3.2	6.6	20	1.1	.34	3.3
29	2.0	6.6	19	26	12	11	3.0	7.6	14	7.9	.31	1.1
30	2.3	98	37	21	---	35	2.8	5.5	13	2.4	.28	.90
31	2.0	---	347	17	---	30	---	936	---	1.4	.28	---
TOTAL	151.58	199.4	1138.5	1688.4	1287.8	338.6	233.5	1069.6	1663.9	136.02	49.00	35.82
MEAN	4.89	6.65	36.7	54.5	44.4	10.9	7.78	34.5	55.5	4.39	1.58	1.19
MAX	46	98	347	318	571	35	32	936	459	23	28	5.7
MIN	0	1.4	5.1	8.2	7.8	4.5	2.8	1.6	3.5	.56	.27	.17
CFSM	.30	.41	2.28	3.39	2.76	.68	.48	2.14	3.45	.27	.10	.07
IN.	.35	.46	2.63	3.90	2.98	.78	.54	2.47	3.84	.31	.11	.08

CAL YR 1975 TOTAL 12191.27 MEAN 33.4 MAX 1270 MIN 0 CFSM 2.07 IN 28.17
WTR YR 1976 TOTAL 7992.12 MEAN 21.8 MAX 936 MIN 0 CFSM 1.35 IN 18.47

PEAK DISCHARGE (BASE, 500 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-25	2400	4.21	580	05-31	0245	7.93	3,740
12-31	1645	5.65	1,500	06-18	1930	4.57	756
01-25	2345	5.49	1,372	06-25	1215	5.83	1,660
02-18	0030	5.87	1,700				

03302500 Indian Creek near Corydon, Ind.

LOCATION.--Lat 38°16'35", long 86°06'35", in SW¼SE¼ sec.6, T.3 S., R.4 E., Harrison County, on upstream side of bridge on State Highway 335, 0.6 mile (1.0 km) upstream from Raccoon Branch, 4.5 miles (7.2 km) north of Corydon, and at mile 33.7 (54.2 km).

DRAINAGE AREA.--129 mi^2 (334 km^2), of which 10.6 mi^2 (27.4 km^2) does not contribute directly to surface runoff.

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

GAGE.--Water-stage recorder. Datum of gage is 577.12 ft (175.906 m) above mean sea level. Prior to Dec. 9, 1948, nonrecording gage, and Dec. 9, 1948, to June 12, 1952, recorder records for stages above 6.3 ft (1.920 m) at same site and datum.

AVERAGE DISCHARGE.--33 years, 169 ft^3/s (4.783 m^3/s), 17.77 in/yr (451 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,190 ft^3/s (175 m^3/s) May 31, gage height, 15.99 ft (4.874 m); no flow Oct. 5-7.
Period of record: Maximum discharge, 26,700 ft^3/s (756 m^3/s) Mar. 5, 1964, gage height, 22.64 ft (6.901 m); no flow at times during 1943-44, 1951-54, 1959, 1965, 1972-73, 1976.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1275: Drainage area. WSP 1385: 1951(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	21	618	1510	162	106	268	22	1620	137	17	4.7
2	.83	20	236	596	127	95	203	21	1090	100	12	36
3	.22	22	149	725	108	87	161	21	1050	116	9.7	25
4	.05	22	108	540	102	79	136	20	671	242	8.1	13
5	0	22	86	334	93	86	114	18	405	125	6.9	9.0
6	0	22	84	243	144	94	101	17	257	93	6.6	6.6
7	0	44	181	213	105	76	90	16	178	76	22	5.0
8	2.9	76	142	336	104	71	78	17	132	62	33	3.7
9	22	63	121	190	102	68	66	16	101	52	17	3.9
10	17	137	101	150	91	65	59	14	77	43	11	5.2
11	9.0	153	84	140	90	59	57	13	62	37	8.4	10
12	8.5	86	74	150	78	56	54	12	51	32	6.6	10
13	9.3	61	65	482	76	57	49	12	41	27	6.6	6.6
14	3.8	46	58	552	73	53	49	13	35	24	6.9	5.0
15	.78	37	351	338	68	49	47	15	29	23	319	3.9
16	.06	32	590	271	70	48	47	17	36	55	103	3.0
17	6.9	28	278	196	228	47	46	41	87	91	36	2.2
18	316	24	179	137	3040	44	43	195	50	42	21	1.8
19	167	22	123	128	978	42	36	87	425	28	15	1.8
20	104	21	112	119	515	45	32	49	153	23	12	1.8
21	65	22	92	97	510	364	33	34	96	19	9.3	1.8
22	47	22	75	92	639	193	36	45	113	17	7.5	1.6
23	37	19	63	81	406	138	34	42	147	15	6.3	1.6
24	30	16	59	94	310	115	31	26	347	14	5.2	1.4
25	26	16	55	394	243	100	30	20	1750	12	4.7	1.4
26	23	15	877	2430	199	92	32	17	1250	10	3.9	3.2
27	21	32	452	689	159	94	31	14	469	9.0	3.4	8.4
28	19	58	267	426	137	86	27	15	302	8.7	3.2	19
29	19	52	191	317	121	109	25	25	221	14	5.0	18
30	19	350	194	243	---	327	24	32	190	53	5.2	13
31	20	---	416	190	---	274	---	3470	---	30	3.4	---
TOTAL	995.84	1561	6481	12403	9078	3219	2039	4376	11435	1629.7	734.9	227.6
MEAN	32.1	52.0	209	400	313	104	68.0	141	381	52.6	23.7	7.59
MAX	316	350	877	2430	3040	364	268	3470	1750	242	319	36
MIN	0	15	55	81	68	42	24	12	29	8.7	3.2	1.4
CFSM	.25	.40	1.62	3.10	2.43	.81	.53	1.09	2.95	.41	.18	.06
IN.	.29	.45	1.87	3.58	2.62	.93	.59	1.26	3.30	.47	.21	.07

CAL YR 1975 TOTAL 83298.12 MEAN 228 MAX 6910 MIN 0 CFSM 1.77 IN 24.02
WTR YR 1976 TOTAL 54180.04 MEAN 148 MAX 3470 MIN 0 CFSM 1.15 IN 15.62

PEAK DISCHARGE (BASE 4,500 FT^3/S).--May 31 (1700) 6,190 ft^3/s (15.99 ft).

03302680 West Fork Blue River at Salem, Ind.

LOCATION.--38°36'19", long 86°05'40", in SW¼SE¼ sec.17, T.2 N., R.4 E., Washington County, on left bank at downstream side of bridge on East Market Street, 0.35 mile (0.56 km) east of County Court House in Salem, 6.0 miles (9.6 km) upstream from Hoggatt Branch, and 6.9 miles (11.1 km) upstream from mouth.

DRAINAGE AREA.--19.0 mi^2 (49.2 km^2).

PERIOD OF RECORD.--July 1970 to current year. Prior to December 10, 1970, nonrecording gage at site 0.55 mile (0.88 km) downstream at datum 5.04 ft (1.536 m) lower. Low-flow records not equivalent due to effluent from factory entering stream from right bank between sites.

GAGE.--Water-stage recorder. Datum of gage 713.00 ft (217.322 m) above mean sea level.

AVERAGE DISCHARGE.--6 years, 23.5 ft^3/s (0.666 m^3/s), 16.80 in/yr (427 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,090 ft^3/s (30.9 m^3/s) Feb. 18, gage height, 7.12 ft (2.170 m); minimum daily, 0.27 ft^3/s (0.008 m^3/s) Sept. 8.
Period of record: Maximum discharge, 4,430 ft^3/s (125 m^3/s) July 10, 1974, gage height, 12.29 ft (3.746 m); minimum daily, 0.02 ft^3/s (0.001 m^3/s) Sept. 24, 1970.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.62	5.5	54	114	24	19	6.2	2.8	14	6.7	2.3	.50
2	.41	4.9	35	89	20	16	5.4	2.7	34	5.5	1.6	.72
3	.38	4.7	24	99	17	14	5.3	2.5	19	4.9	1.2	.70
4	.39	4.6	18	52	15	13	5.2	2.2	13	4.5	.92	.55
5	.35	4.3	15	34	14	17	5.0	2.0	8.9	3.5	.82	.48
6	.44	4.1	26	29	16	12	4.5	1.9	6.7	2.9	3.7	.36
7	.52	39	30	28	13	11	4.4	2.3	5.5	2.6	6.4	.30
8	14	25	26	21	12	10	4.1	1.9	4.6	2.2	2.2	.27
9	4.6	18	23	29	12	10	3.9	1.4	3.8	1.7	1.3	26
10	4.0	70	18	19	11	9.2	3.8	1.4	3.1	1.4	.96	7.3
11	3.7	40	15	19	11	8.5	4.3	1.1	2.6	1.1	.77	2.9
12	2.3	27	13	15	10	9.3	4.2	1.0	2.2	.89	.61	1.4
13	1.8	19	12	131	9.8	9.6	3.9	.90	1.8	.72	.53	.91
14	1.3	14	11	74	9.2	7.7	3.8	1.0	1.4	.63	.46	.68
15	1.2	12	109	43	9.0	7.4	3.8	1.2	1.1	11	58	.55
16	1.3	9.9	88	36	9.2	7.6	3.8	1.3	8.3	85	4.3	.55
17	44	8.2	43	21	60	7.1	3.6	1.6	4.8	9.2	2.1	.47
18	150	7.2	25	20	460	6.6	3.5	3.9	3.3	5.6	1.3	.39
19	73	6.7	21	27	200	6.5	3.4	4.2	7.5	3.7	.95	.34
20	39	7.5	18	11	80	7.8	3.5	3.3	4.1	2.7	.81	.41
21	25	7.0	12	13	80	17	4.5	2.6	3.0	3.1	.66	.72
22	18	5.9	9.8	9.4	94	9.5	4.7	3.3	19	5.9	.52	.58
23	14	5.3	9.2	14	70	8.0	4.1	2.1	6.8	2.3	.44	.48
24	11	4.9	7.5	15	52	7.6	3.6	1.5	36	2.2	.36	.46
25	9.6	4.9	14	188	40	7.2	5.0	1.2	53	2.0	19	.44
26	8.1	4.8	125	338	33	7.2	5.2	1.0	35	1.1	3.6	.51
27	7.1	7.9	42	97	24	7.1	4.1	.88	19	9.4	1.3	4.4
28	6.3	6.0	27	63	23	6.1	3.5	1.5	13	6.0	1.0	3.7
29	7.3	20	22	48	21	6.5	3.2	2.4	11	15	1.3	1.4
30	6.9	66	59	35	---	6.9	2.9	2.0	9.8	5.4	.82	.90
31	6.0	---	181	27	---	6.7	---	20	---	3.4	.53	---
TOTAL	462.61	464.3	1132.5	1758.4	1449.2	299.1	126.4	79.08	355.3	212.24	120.76	59.37
MEAN	14.9	15.5	36.5	56.7	50.0	9.65	4.21	2.55	11.8	6.85	3.90	1.98
MAX	150	70	181	338	460	19	6.2	20	53	85	58	26
MIN	.35	4.1	7.5	9.4	9.0	6.1	2.9	.88	1.1	.63	.36	.27
CFSM	.78	.82	1.92	2.98	2.63	.51	.22	.13	.62	.36	.21	.10
IN.	.91	.91	2.22	3.44	2.84	.59	.25	.15	.70	.42	.24	.12

CAL YR 1975 TOTAL 10159.37 MEAN 27.8 MAX 700 MIN .03 CFSM 1.46 IN 19.89
WTR YR 1976 TOTAL 6519.26 MEAN 17.8 MAX 460 MIN .27 CFSM .94 IN 12.76

PEAK DISCHARGE (BASE, 600 FT^3/S).--Jan.25 (2400) 910 ft^3/s (6.59 ft); Feb. 18 (unknown) 1,090 ft^3/s (7.12 ft).

03302800 Blue River at Fredericksburg, Ind.

LOCATION.--Lat 38°26'02", long 86°11'31", in NE¼NW¼ sec.16, T.1 S., R.3 E., Washington County, attached to downstream side of bridge on U.S. Highway 150 at Fredericksburg, 0.5 mile (0.8 km) downstream from South Fork Blue River, and at mile 57.1 (91.9 km).

DRAINAGE AREA.--283 mi^2 (733 km^2), of which 76.9 mi^2 (199.2 km^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 (179.832 m) above mean sea level.

AVERAGE DISCHARGE.--8 years, 316 ft^3/s (8.949 m^3/s), 15.16 in/yr (385 mm/yr).

EXTREMES.--Current year: Maximum discharge, 8,770 ft^3/s (248 m^3/s) Feb. 18, gage height, 19.32 ft (5.889 m); minimum daily, 7.8 ft^3/s (0.22 m^3/s) Oct. 7.
Period of record: Maximum discharge, 12,000 ft^3/s (340 m^3/s) Apr. 24, 1975, gage height, 22.88 ft (6.974 m); minimum daily, 6.1 ft^3/s (0.17 m^3/s) Oct. 18, 1968.
Flood of Jan. 21, 1959 reached a stage of 29.20 ft (8.900 m), from floodmark, on left upstream wingwall.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	43	1070	2150	393	265	224	42	1560	310	40	25
2	12	40	524	1080	309	229	194	42	1070	228	32	28
3	11	37	366	1240	258	210	167	40	1040	214	26	24
4	9.4	36	271	899	243	190	153	37	693	229	24	20
5	8.4	35	219	593	207	190	137	35	475	159	23	17
6	8.2	35	195	486	245	194	125	36	333	121	38	16
7	7.8	272	356	400	192	161	116	36	243	282	107	15
8	17	437	323	350	182	147	105	35	188	133	57	13
9	108	226	285	300	189	145	93	33	145	95	37	14
10	67	452	247	260	163	137	86	33	116	78	27	151
11	47	504	206	270	171	123	84	30	95	66	22	61
12	39	309	180	345	159	118	84	29	81	56	18	36
13	31	227	155	567	151	141	76	28	67	49	18	25
14	22	177	134	1560	147	132	74	30	58	45	17	20
15	18	142	519	729	137	114	72	35	51	48	305	17
16	15	119	1240	576	141	113	69	37	165	535	136	15
17	21	105	605	440	540	108	64	42	431	351	51	13
18	692	91	413	304	6980	98	59	118	167	141	34	12
19	573	81	292	250	2870	96	56	127	241	86	27	12
20	354	78	268	230	1260	96	55	77	194	65	23	12
21	233	82	217	205	1250	381	56	57	118	54	21	11
22	165	73	174	190	1920	310	57	91	308	48	17	10
23	121	60	147	175	1080	224	53	75	453	50	16	11
24	96	55	132	246	795	192	50	49	669	39	14	10
25	78	53	124	578	639	169	52	39	3310	35	18	9.9
26	66	52	1440	5220	524	153	56	35	3110	37	52	11
27	58	64	863	1770	428	153	54	30	939	30	27	15
28	53	79	514	998	359	151	47	30	619	49	17	27
29	49	86	390	752	313	136	43	37	481	73	88	26
30	48	512	542	584	---	197	42	42	407	86	35	19
31	46	---	1250	465	---	210	---	2120	---	52	23	---
TOTAL	3087.8	4562	13661	24212	22245	5283	2603	3527	17827	3844	1390	695.9
MEAN	99.6	152	441	781	767	170	86.8	114	594	124	44.8	23.2
MAX	692	512	1440	5220	6980	381	224	2120	3310	535	305	151
MIN	7.8	35	124	175	137	96	42	28	51	30	14	9.9
CFSM	.35	.54	1.56	2.76	2.71	.60	.31	.40	2.10	.44	.16	.08
IN.	.41	.60	1.80	3.18	2.92	.69	.34	.46	2.34	.51	.18	.09

CAL YR 1975 TOTAL 151612.4 MEAN 415 MAX 10000 MIN 7.8 CFSM 1.47 IN 19.93
WTR YR 1976 TOTAL 102937.7 MEAN 281 MAX 6980 MIN 7.8 CFSM .99 IN 13.53

PEAK DISCHARGE (BASE, 2,100 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-26	1400	9.51	2,410	02-22	0100	9.60	2,450
01-01	0500	10.47	2,830	05-31	1200	11.98	3,580
01-26	1300	17.22	6,980	06-25	2200	15.70	5,860
02-18	1400	19.32	8,770				

03303000 Blue River near White Cloud, Ind.

LOCATION.--Lat 38°14'15", long 86°13'42", in NW¼SE¼ sec.19, T.3 S., R.3 E., Harrison County, on left bank 400 ft (122 m) downstream from Spring Creek, 600 ft (183 m) upstream from bridge on Interstate 64, 0.2 mile (0.3 km) upstream from bridge on State Highway 62, 0.8 mile (1.3 km) north of White Cloud, and at mile 14.7 (23.6 km).
DRAINAGE AREA.--476 mi^2 (1,233 km^2), of which 192 mi^2 (497 km^2) does not contribute directly to surface runoff. Also, part of flow from Indian Creek, downstream from Corydon, Ind., enters Blue River via solution channel in Karst area through Harrison Spring.
PERIOD OF RECORD.--WATER DISCHARGE: October 1930 to current year. Monthly figures only for some periods, published in WSP 1305.
SEDIMENT DISCHARGE: July 1968 to current year (partial-record station).
GAGE.--Water-stage recorder. Datum of gage is 434.26 ft (132.362 m) above mean sea level (levels by State of Indiana, Department of Natural Resources from adjusted elevation of U.S. Coast and Geodetic Survey bench mark). Prior to Nov. 16, 1938, nonrecording gage at same site and datum.
AVERAGE DISCHARGE.--46 years, 617 ft^3/s (17.47 m^3/s), 17.60 in/yr (447 mm/yr).
EXTREMES.--Current year: Maximum discharge, 11,500 ft^3/s (326 m^3/s) Feb. 19, gage height, 13.62 ft (4.151 m); minimum daily, 24 ft^3/s (0.68 m^3/s) Oct. 7.
Period of record: Maximum discharge, 28,500 ft^3/s (807 m^3/s) Jan. 22, 1959, gage height, 23.07 ft (7.032 m); minimum daily, 9.6 ft^3/s (0.27 m^3/s) Oct. 17, 1964.
REMARKS.--Records good.
REVISIONS (WATER YEARS).--WSP 1335: 1921-32, 1933(M), 1935-38(M), 1944. WSP 1385: Drainage area. WSP 1555: 1953. WDR IN-75-1: 1973.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	85	1920	4040	861	636	598	122	4060	668	162	87
2	37	83	1180	2410	757	569	560	120	2810	543	122	195
3	32	79	774	2090	629	522	492	119	2420	510	102	146
4	29	74	590	1950	566	484	448	112	1740	512	91	112
5	26	69	490	1340	530	480	416	106	1200	460	82	84
6	25	67	453	1030	528	480	376	104	870	417	101	68
7	24	522	508	925	535	452	361	108	667	392	343	59
8	53	862	626	932	478	413	335	103	540	440	252	54
9	100	564	557	780	461	397	312	99	459	343	175	55
10	174	751	509	635	450	386	291	96	397	298	126	73
11	175	1060	456	633	429	364	282	94	352	265	100	107
12	120	693	412	667	424	345	269	90	314	237	85	137
13	89	508	378	855	408	333	260	88	288	208	86	95
14	78	405	348	2410	389	345	246	96	259	187	87	74
15	62	329	789	1630	378	333	233	99	230	189	167	61
16	59	272	2180	1190	372	318	222	98	408	240	418	53
17	116	231	1580	978	600	307	211	231	680	691	280	47
18	409	203	939	769	8510	296	195	407	536	434	158	43
19	1070	177	701	624	8210	282	183	350	406	281	112	41
20	673	165	576	577	2840	279	174	300	420	213	91	40
21	464	162	521	545	2220	472	172	228	367	178	78	38
22	364	152	452	492	3700	752	166	190	595	163	70	38
23	293	144	405	465	2400	539	158	178	870	145	64	36
24	228	126	367	469	1660	464	153	198	894	137	58	35
25	188	114	364	820	1320	424	155	148	5060	125	53	33
26	154	110	1820	6810	1100	390	158	123	6960	110	61	48
27	133	162	2250	5440	929	382	152	111	2360	106	81	99
28	118	191	1160	2250	798	375	146	111	1340	105	91	80
29	107	238	858	1590	709	405	135	126	977	147	78	71
30	97	851	901	1250	---	556	127	129	795	218	70	68
31	89	---	2010	1020	---	589	---	4450	---	225	97	---
TOTAL	5628	9449	27074	47616	43191	13369	7986	8934	39274	9187	3941	2177
MEAN	182	315	873	1536	1489	431	266	288	1309	296	127	72.6
MAX	1070	1060	2250	6810	8510	752	598	4450	6960	691	418	195
MIN	24	67	348	465	372	279	127	88	230	105	53	33
CFSM	.38	.66	1.83	3.23	3.13	.91	.56	.61	2.75	.62	.27	.15
IN.	.44	.74	2.12	3.72	3.38	1.04	.62	.70	3.07	.72	.31	.17

CAL YR 1975 TOTAL 311680 MEAN 854 MAX 18900 MIN 24 CFSM 1.79 IN 24.36
WTR YR 1976 TOTAL 217826 MEAN 595 MAX 8510 MIN 24 CFSM 1.25 IN 17.02

PEAK DISCHARGE (BASE, 7,500 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-26	2400	11.92	8,850	06-25	1800	11.96	8,920
02-19	0100	13.62	11,500				

03303300 Middle Fork Anderson River at Bristow, Ind.

LOCATION.--Lat 38°08'19", long 86°43'16", in SW¼NE¼ sec.27, T.4 S., R.3 W., Perry County, on left bank at downstream side of bridge on State Highway 145 at Bristow, 2.0 miles (3.2 km) downstream from Coon Branch, 5.8 miles (9.3 km) (revised) upstream from Sulphur Fork Creek, and at mile 14.1 (22.7 km).

DRAINAGE AREA.--39.8 mi^2 (103.1 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: August 1961 to current year.
SEDIMENT DISCHARGE: March 1964 to current year (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 395.00 ft (120.396 m) above mean sea level.

AVERAGE DISCHARGE.--15 years, 54.9 ft^3/s (1.555 m^3/s), 18.73 in/yr (476 mm/yr).

EXTREMES.--Current year: Maximum discharge 789 ft^3/s (22.3 m^3/s) Jan. 26, gage height, 14.11 ft (4.301 m); no flow Aug. 12-31, Sept. 16-25.
Period of record: Maximum discharge, 6,360 ft^3/s (180 m^3/s) Mar. 9, 1964; maximum gage height, 19.33 ft (5.892 m) Mar. 4, 1964; no flow at times most years.
Flood of Jan. 21, 1959, reached a stage of 20.0 ft (6.096 m), from floodmark, discharge, 15,000 ft^3/s (425 m^3/s), from rating curve extended above 7,000 ft^3/s (198 m^3/s). This is the maximum flood since 1905, from information by local resident.

REMARKS.--Records good. Flow regulated by Soil Conservation Service control structures beginning June 1967.

REVISIONS.--WRD Ind. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.92	3.1	291	381	55	36	98	12	158	25	.97	1.5
2	.92	2.7	136	329	44	33	71	11	164	20	.70	2.8
3	.77	2.4	73	269	37	31	55	10	153	28	.50	1.2
4	.70	2.3	49	161	33	29	45	8.7	126	36	.42	.42
5	.77	2.2	38	104	34	54	37	8.1	77	27	.29	.29
6	1.0	2.4	49	74	38	54	33	7.8	46	19	.29	.20
7	1.1	70	64	74	33	43	29	10	31	18	.42	.13
8	11	56	50	80	31	37	26	8.6	24	14	.50	.05
9	15	46	44	63	28	34	23	7.1	18	10	.35	6.5
10	9.1	151	36	50	29	30	20	5.9	15	7.0	.20	9.1
11	8.3	109	31	51	29	28	21	5.5	12	5.0	.05	3.3
12	7.2	59	27	50	26	28	20	4.8	9.3	3.5	0	1.3
13	5.3	38	24	124	25	27	19	4.3	7.7	2.6	0	.50
14	4.2	27	22	178	23	24	17	5.5	6.1	1.7	0	.24
15	3.8	20	189	120	22	23	16	9.6	5.2	1.6	0	.08
16	3.3	16	232	92	22	23	16	15	12	2.5	0	0
17	15	13	125	66	80	22	14	101	14	2.9	0	0
18	96	11	73	50	549	21	13	137	37	2.1	0	0
19	68	9.4	50	41	385	20	12	66	75	1.4	0	0
20	44	11	41	39	329	21	11	39	30	1.0	0	0
21	29	15	33	36	329	84	11	27	20	.60	0	0
22	20	12	28	33	346	62	12	21	16	.76	0	0
23	15	11	24	31	240	47	9.9	17	14	.86	0	0
24	10	9.6	22	33	129	38	9.2	13	25	.69	0	0
25	8.3	8.7	31	199	89	33	20	10	294	.68	0	0
26	6.8	9.1	256	585	67	31	25	8.4	236	.54	0	.08
27	5.6	37	173	401	54	39	20	7.0	92	.35	0	1.6
28	4.2	29	109	359	46	38	17	7.9	52	.48	0	1.6
29	4.0	46	77	250	41	77	15	9.6	38	2.8	0	.77
30	4.1	245	169	98	---	143	13	10	31	2.3	0	.50
31	3.5	---	280	66	---	121	---	66	---	1.3	0	---
TOTAL	406.88	1073.9	2846	4487	3193	1331	748.1	673.8	1838.3	239.66	4.69	32.16
MEAN	13.1	35.8	91.8	145	110	42.9	24.9	21.7	61.3	7.73	.15	1.07
MAX	96	245	291	585	549	143	98	137	294	36	.97	9.1
MIN	.70	2.2	22	31	22	20	9.2	4.3	5.2	.35	0	0
CFSM	.33	.90	2.31	3.64	2.76	1.08	.63	.55	1.54	.19	.003	.03
IN.	.38	1.00	2.66	4.19	2.98	1.24	.70	.63	1.72	.22	.004	.03

CAL YR 1975 TOTAL 29266.30 MEAN 80.2 MAX 856 MIN 0 CFSM 2.02 IN 27.35
WTR YR 1976 TOTAL 16874.49 MEAN 46.1 MAX 585 MIN 0 CFSM 1.16 IN 15.77

03303300 Middle Fork Anderson River at Fairview, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
DEC. 02...	1800	5.9	110	21	6.2
MAR. 10...	1300	9.4	30	21	1.7

03303400 Crooked Creek at Santa Claus, Ind.

LOCATION.--Lat 38°07'05", long 86°53'24", in SW¼SE¼ sec.31, T.4 S., R.4 W., Spencer County, on right bank at upstream side of bridge on county road, 1.3 miles (2.1 km) east of Santa Claus Post Office, and 1.8 miles (2.9 km) upstream from unnamed right-bank tributary.

DRAINAGE AREA.--7.86 mi² (20.36 km²).

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 404.34 ft (123.243 m) above mean sea level.

AVERAGE DISCHARGE.--7 years, 12.4 ft³/s (0.351 m³/s), 21.38 in/yr (544 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,120 ft³/s (31.7 m³/s) Feb. 17, gage height, 9.13 ft (2.783 m); no flow July 24-28, Aug. 3-31, Sept. 6-8, 15-25.
Period of record: Maximum discharge, 4,100 ft³/s (116 m³/s) Apr. 28, 1970, gage height, 9.74 ft (2.969 m), from rating curve extended above 450 ft³/s (12.7 m³/s) on basis of two indirect measurements of peak flow at site 1.6 miles (2.6 km) downstream, drainage area, 16.0 mi² (41.4 km²), adjusted to gage site; no flow many days each year.

REMARKS.--Records good, except those for period of no gage-height record May 27 to June 29, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.09	.49	30	40	8.8	3.7	13	.55	15	.61	.04	.48
2	.06	.43	14	37	5.0	3.3	9.5	.54	29	.50	.02	.19
3	.03	.41	8.4	43	4.2	2.8	7.5	.51	25	2.3	0	.06
4	.01	.42	5.8	16	3.6	2.4	5.7	.40	10	.96	0	.03
5	.01	.38	3.7	10	4.0	12	3.9	.39	4.0	.65	0	.01
6	.01	.98	18	9.1	2.6	7.0	3.1	.54	2.0	10	0	0
7	.02	79	15	11	1.9	4.8	2.5	.60	1.5	1.9	0	0
8	3.0	18	9.3	14	2.5	3.8	1.9	.38	1.0	.81	0	0
9	1.3	122	7.8	11	1.9	3.4	1.5	.35	.90	.61	0	.01
10	.33	90	4.7	8.0	3.8	2.2	1.3	.34	.80	.47	0	.16
11	.30	18	3.5	6.0	4.5	1.7	1.4	.37	.70	.38	0	.06
12	.23	9.9	2.5	4.3	3.2	3.1	1.1	.31	.66	.30	0	.02
13	.19	5.8	2.0	50	3.9	2.3	1.0	.28	.60	.25	0	0
14	.16	3.3	1.8	25	2.6	1.6	.96	1.2	.54	.25	0	0
15	.14	3.0	134	15	3.4	1.5	.90	20	.50	.23	0	0
16	.13	2.3	29	13	4.8	2.4	.86	12	.90	.21	0	0
17	22	2.0	14	6.9	153	1.6	.73	31	1.3	.16	0	0
18	36	1.7	6.9	3.3	246	1.5	.66	29	5.0	.14	0	0
19	17	1.6	4.4	2.7	30	1.4	.63	8.3	15	.12	0	0
20	9.4	6.2	4.2	2.7	16	7.5	.62	3.0	5.0	.08	0	0
21	4.7	4.7	3.3	2.7	137	24	.74	1.6	3.5	.06	0	0
22	2.2	1.1	2.5	2.0	51	11	.62	1.1	2.7	.03	0	0
23	1.6	.77	1.9	3.0	21	7.7	.55	.78	2.0	.02	0	0
24	.77	.81	2.0	2.8	15	6.4	.65	.59	3.5	0	0	0
25	.77	.69	20	198	12	5.2	2.8	.45	200	0	0	0
26	.66	4.3	114	190	9.1	4.4	1.4	.37	150	0	0	4.2
27	.57	25	23	26	6.9	9.1	.75	.33	20	0	0	.47
28	.48	10	14	17	6.0	6.4	.64	.30	2.0	0	0	.21
29	.68	15	20	13	4.9	18	.60	.35	1.1	.47	0	.12
30	.59	173	82	11	---	23	.57	.45	1.3	.17	0	.11
31	.53	---	111	8.9	---	18	---	2.5	---	.14	0	---
TOTAL	103.96	601.28	712.7	802.4	768.6	203.2	68.08	118.88	505.50	21.82	.06	6.13
MEAN	3.35	20.0	23.0	25.9	26.5	6.55	2.27	3.83	16.9	.70	.002	.20
MAX	36	173	134	198	246	24	13	31	200	10	.04	4.2
MIN	.01	.38	1.8	2.0	1.9	1.4	.55	.28	.50	0	0	0
CFSM	.43	2.54	2.93	3.30	3.37	.83	.29	.49	2.15	.09	0	.03
IN.	.49	2.85	3.37	3.80	3.64	.96	.32	.56	2.39	.10	.0003	.03

CAL YR 1975 TOTAL 6633.16 MEAN 18.2 MAX 833 MIN 0 CFSM 2.32 IN 31.39
WTR YR 1976 TOTAL 3912.61 MEAN 10.7 MAX 246 MIN 0 CFSM 1.36 IN 18.52

PEAK DISCHARGE (BASE, 500 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-09	1800	8.88	653	02-17	2330	9.13	1,120
01-26	0015	8.86	628				

03322100 Pigeon Creek at Evansville, Ind.

LOCATION.--Lat 38°00'14", long 87°32'19", in NE¼NW¼ sec.16, T.6 S., R.10 W., Vanderburgh County, on left bank in the median strip of Old U.S. 41, between two steel truss bridges at Evansville, and at mile 6.0 (9.6 km).

DRAINAGE AREA.--323 mi^2 (837 km^2).

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is 352.24 ft (107.363 m) above mean sea level. Nonrecording auxiliary gage at site 1.2 miles (1.9 km) (revised) upstream at same datum. Prior to October 1, 1968, water-stage recorder, and October 1, 1968, to September 30, 1971, nonrecording gage at site 1.2 miles (1.9 km) upstream, was used as base gage, and present base gage was used as auxiliary gage.

AVERAGE DISCHARGE.--16 years, 329 ft^3/s (9.317 m^3/s), 13.84 in/yr (352 mm/yr).

EXTREMES.--Current year: Maximum daily discharge, 2,870 ft^3/s (81.3 m^3/s) Feb. 18; maximum gage height, 18.37 ft (5.599 m) Feb. 24 (backwater from Ohio River); minimum daily discharge, 4.5 ft^3/s (0.127 m^3/s) Aug. 20.
Period of record: Maximum discharge, 12,100 ft^3/s (343 m^3/s) May 10, 1961, gage height, 27.94 ft (8.52 m); minimum daily (unaffected by backwater), 1.0 ft^3/s (0.028 m^3/s) Aug. 30 to Sept. 1, Oct. 11, 12, 21, 22, 26, 1964; zero or reverse flow occurs at times due to extreme stages on the Ohio River.

REMARKS.--Records good except those for periods of backwater from the Ohio River, which are poor.

REVISIONS (WATER YEARS).--WSP 2109: 1960. WRD Ind. 1972: 1971.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	25	1060	1200	190	160	158	32	1670	197	53	100
2	16	21	948	1100	160	130	118	28	1930	104	34	597
3	16	21	642	800	150	110	100	26	1850	113	23	287
4	16	21	305	600	130	100	80	24	1950	137	18	81
5	15	24	198	370	125	137	75	22	1860	101	13	44
6	14	25	255	300	121	182	70	21	1620	73	11	20
7	13	299	451	270	121	140	60	25	727	56	12	18
8	13	488	307	240	90	116	55	21	245	47	13	14
9	200	352	227	200	103	104	46	22	173	43	14	17
10	150	1170	191	180	97	93	41	17	140	36	14	211
11	80	914	151	160	121	82	41	14	119	31	12	117
12	60	550	129	150	141	81	38	17	96	30	11	32
13	50	247	113	231	119	92	38	23	96	29	12	21
14	40	151	103	627	113	99	38	631	80	26	12	15
15	35	113	448	519	106	81	39	1080	66	24	18	12
16	30	96	483	300	99	77	38	1280	55	25	18	10
17	70	81	353	240	472	73	36	1920	47	26	11	9.0
18	800	71	266	190	2870	67	32	1680	46	24	9.6	6.7
19	600	60	225	160	2000	61	32	972	44	21	7.2	7.2
20	450	66	170	140	1600	80	32	318	45	19	4.5	7.2
21	250	82	135	129	1700	485	36	168	42	18	6.2	6.7
22	180	85	104	109	1800	651	39	119	39	19	7.8	7.2
23	130	75	92	103	1300	372	40	92	69	26	6.2	7.8
24	100	59	78	116	1200	200	41	71	166	37	5.6	6.2
25	80	54	150	790	900	120	65	56	1010	31	7.2	6.7
26	60	58	800	1600	450	110	86	50	1020	25	7.8	17
27	50	85	550	1280	270	220	73	47	446	20	10	31
28	45	115	350	1660	210	479	50	56	330	17	12	32
29	37	137	250	1500	180	180	41	75	363	300	14	25
30	33	895	500	530	---	255	34	94	231	466	17	21
31	30	---	900	230	---	251	---	1040	---	106	17	---
TOTAL	3682	6440	10934	16024	16938	5388	1672	10041	16575	2227	431.1	1786.7
MEAN	119	215	353	517	584	174	55.7	324	553	71.8	13.9	59.6
MAX	800	1170	1060	1660	2870	651	158	1920	1950	466	53	597
MIN	13	21	78	103	90	61	32	14	39	17	4.5	6.2
CFSM	.37	.67	1.09	1.60	1.81	.54	.17	1.00	1.71	.22	.04	.18
IN.	.42	.74	1.26	1.85	1.95	.62	.19	1.16	1.91	.26	.05	.21

CAL YR 1975 TOTAL 187638.4 MEAN 514 MAX 6000 MIN 7.8 CFSM 1.59 IN 21.61
WTR YR 1976 TOTAL 92138.8 MEAN 252 MAX 2870 MIN 4.5 CFSM .78 IN 10.61

03322500 Wabash River near New Corydon, Ind.

LOCATION.--Lat 40°33'50", long 84°48'10", in NE¼SE¼ sec.3, T.24 N., R.15 E., Jay County, on left bank, 10 ft (3 m) downstream from county bridge on Indiana-Ohio State line road, 2 miles (3 km) east of New Corydon, 2.8 miles (4.5 km) downstream from Beaver Creek, and at mile 465.6 (749.2 km).

DRAINAGE AREA.--262 mi² (678 km²).

PERIOD OF RECORD.--WATER DISCHARGE: April 1951 to current year.
CHEMICAL ANALYSES: July 1969 to June 1973.

GAGE.--Water-stage recorder. Datum of gage is 830.10 ft (253.014 m) above mean sea level. Prior to June 24, 1953, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--25 years, 196 ft³/s (5.551 m³/s), 10.16 in/yr (258 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,580 ft³/s (130 m³/s) Feb. 17, gage height, 18.28 ft (5.572 m); minimum daily, 5.5 ft³/s (0.16 m³/s) Oct. 15.
Period of record: Maximum discharge, 8,720 ft³/s (247 m³/s) Jan. 22, 1959, gage height, 20.47 ft (6.239 m), from floodmarks; minimum daily, 0.8 ft³/s (0.023 m³/s) Dec. 22, 23, 1963.

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

REVISIONS (WATER YEARS).--WSP 1555: 1957(P). WSP 1909: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	16	377	700	190	185	53	21	189	167	13	9.3
2	9.5	23	115	530	170	180	53	21	364	61	12	11
3	8.7	24	68	550	150	200	50	20	143	35	11	12
4	8.7	19	47	350	140	1710	49	20	67	26	11	11
5	8.0	18	37	251	130	2160	44	19	41	21	11	10
6	6.7	17	37	200	125	1040	39	18	30	18	31	10
7	6.7	20	52	180	120	475	37	114	23	18	44	9.5
8	8.5	23	42	170	115	303	34	62	21	17	27	9.1
9	12	19	130	160	110	259	31	38	19	16	16	9.5
10	12	50	146	150	768	233	30	29	17	15	12	13
11	9.0	73	143	140	3300	226	27	25	16	15	11	14
12	8.7	38	143	140	1590	224	28	18	15	15	11	11
13	7.6	27	182	303	944	217	26	19	14	13	14	9.0
14	6.3	22	200	1070	716	198	24	18	13	13	45	8.6
15	5.5	19	960	440	501	188	24	18	12	14	29	9.7
16	6.7	17	1430	294	1210	189	23	19	14	28	33	11
17	9.7	14	580	212	4140	194	21	17	17	35	18	12
18	220	14	270	191	2450	189	19	17	16	20	12	15
19	392	14	190	170	1490	232	18	16	39	15	10	12
20	183	14	150	160	799	228	17	15	68	13	9.9	10
21	108	16	130	150	645	532	19	14	39	14	10	11
22	65	16	120	140	775	353	23	14	36	18	9.7	11
23	41	14	110	140	470	249	23	14	30	42	8.9	9.2
24	30	14	105	140	336	216	25	13	136	32	8.4	8.8
25	26	13	100	150	292	198	41	12	327	19	9.1	8.3
26	24	14	100	2780	253	106	79	13	127	14	9.8	9.0
27	20	15	100	2550	224	83	43	13	58	13	10	14
28	18	12	100	802	205	84	30	13	38	13	10	13
29	18	26	110	394	194	72	25	14	33	22	11	9.4
30	17	289	120	280	---	70	22	15	214	26	10	8.1
31	16	---	800	220	---	60	---	102	---	17	9.4	---
TOTAL	1321.3	910	7194	14107	22552	10853	977	781	2176	805	487.2	318.5
MEAN	42.6	30.3	232	455	778	350	32.6	25.2	72.5	26.0	15.7	10.6
MAX	392	289	1430	2780	4140	2160	79	114	364	167	45	15
MIN	5.5	12	37	140	110	60	17	12	12	13	8.4	8.1
CFSM	.16	.12	.89	1.74	2.97	1.34	.12	.10	.28	.10	.06	.04
IN.	.19	.13	1.02	2.00	3.20	1.54	.14	.11	.31	.11	.07	.05

CAL YR 1975 TOTAL 80076.7 MEAN 219 MAX 4300 MIN 5.5 CFSM .84 IN 11.37
WTR YR 1976 TOTAL 62482.0 MEAN 171 MAX 4140 MIN 5.5 CFSM .65 IN 8.87

PEAK DISCHARGE (BASE, 2,500 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-26	1900	17.40	3,470	02-17	0900	18.28	4,580
02-11	1000	17.59	3,700	03-04	2100	16.83	2,840

03322900 Wabash River at Linn Grove, Ind.

LOCATION.--Lat 40°39'22", long 85°01'58", in SE¼SE¼ sec.34, T.26 N., R.13 E., Adams County, on right bank 10 ft (3 m) downstream from bridge on State Highway 218, 800 ft (244 m) downstream from Shoemaker ditch, 0.8 mile (1.3 km) north of Linn Grove, and 2.2 miles (3.5 km) upstream from Rice ditch.

DRAINAGE AREA.--453 mi^2 (1,173 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: September 1964 to current year.
SEDIMENT DISCHARGE: July 1971 to current year (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 808.00 ft (246.278 m) above mean sea level.

AVERAGE DISCHARGE.--12 years, 376 ft^3/s (10.65 m^3/s), 11.27 in/yr (286 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,840 ft^3/s (165 m^3/s) Feb. 18, gage height, 12.66 ft (3.859 m); minimum daily, 7.5 ft^3/s (0.21 m^3/s) Sept. 7, 8.
Period of record: Maximum discharge, 6,620 ft^3/s (187 m^3/s) Dec. 11, 1966, gage height, 13.01 ft (3.965 m); minimum daily, 5.1 ft^3/s (0.14 m^3/s) Oct. 8, 1964.
Flood in April 1964 reached a stage of 13.13 ft (4.002 m), from floodmark, discharge, 6,900 ft^3/s (195 m^3/s).

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

REVISIONS (WATER YEARS).--WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	27	976	1190	300	286	115	54	482	554	31	9.3
2	19	33	581	1070	270	292	108	50	684	303	21	8.2
3	18	37	244	871	250	503	105	47	496	137	18	7.8
4	18	41	148	939	240	2030	101	42	241	86	15	8.2
5	16	35	115	704	230	3500	91	40	140	62	13	9.3
6	16	30	113	400	230	4110	83	38	93	49	18	8.2
7	15	31	172	330	220	2780	76	98	65	82	28	7.5
8	15	49	152	310	220	1560	70	220	53	95	54	7.5
9	18	49	128	290	210	728	64	132	44	51	47	8.6
10	24	125	220	280	971	469	59	86	40	35	31	8.9
11	28	230	249	270	3450	400	57	64	34	31	22	7.8
12	25	160	260	270	5090	380	52	52	31	33	18	11
13	20	94	386	289	4350	367	52	45	28	27	24	12
14	16	62	442	1010	2850	323	51	42	25	24	31	8.6
15	15	47	1100	1480	2020	292	48	41	22	23	32	7.8
16	13	40	1700	1200	2380	286	47	40	24	24	49	8.9
17	15	34	1960	688	4380	298	45	41	25	24	40	36
18	273	30	1540	390	5630	289	42	38	27	43	35	40
19	953	27	673	320	4640	323	40	34	31	42	22	19
20	760	26	320	290	3280	360	38	30	78	29	18	16
21	432	26	260	270	2270	603	38	28	115	27	14	13
22	246	27	230	260	1740	708	40	25	82	28	12	10
23	150	26	210	250	1460	442	42	24	63	42	12	9.7
24	98	24	200	249	953	335	46	23	152	42	12	10
25	68	23	190	281	647	306	62	23	744	56	11	8.9
26	54	23	190	1690	472	265	170	22	528	38	11	9.3
27	47	23	200	3120	390	180	166	20	249	27	12	11
28	40	24	200	4360	338	160	106	21	140	22	12	12
29	35	30	210	3670	309	146	77	21	121	21	12	18
30	31	363	220	1200	---	135	62	22	276	20	9.7	16
31	29	---	831	400	---	128	---	104	---	29	9.3	---
TOTAL	3526	1796	14420	28341	49790	22984	2153	1567	5133	2106	694.0	368.5
MEAN	114	59.9	465	914	1717	741	71.8	50.5	171	67.9	22.4	12.3
MAX	953	363	1960	4360	5630	4110	170	220	744	554	54	40
MIN	13	23	113	249	210	128	38	20	22	20	9.3	7.5
CFSM	.25	.13	1.03	2.02	3.79	1.64	.16	.11	.38	.15	.05	.03
IN.	.29	.15	1.18	2.33	4.09	1.89	.18	.13	.42	.17	.06	.03

CAL YR 1975 TOTAL 148278.0 MEAN 406 MAX 5640 MIN 12 CFSM .90 IN 12.18
WTR YR 1976 TOTAL 132878.5 MEAN 363 MAX 5630 MIN 7.5 CFSM .80 IN 10.91

PEAK DISCHARGE (BASE, 1,900 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-17	1600	8.86	2,000	02-18	0600	12.66	5,840
01-28	1900	11.92	4,610	03-05	2200	11.88	4,570

03322900 Wabash River at Linn Grove, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
OCT.					
16...	1215	15.0	13	57	2.0
DEC.					
18...	1400	.5	1560	248	1040
MAR.					
05...	1300	12.0	3910	642	6780
MAY					
12...	1450	19.0	49	99	13
JUNE					
17...	1845	26.0	25	111	7.6
JULY					
29...	1300	23.0	19	78	4.0
SEP.					
01...	1815	21.5	9.2	89	2.2

03323450 Huntington Lake near Huntington, Ind.

LOCATION.--Lat 40°50'43", long 85°28'06", in SW¼SW¼ sec.25, T.28 N., R.9 E., Huntington County, on right bank of reservoir on Wabash River at upstream side of State Highway 5, 1.5 miles (2.4 km) southeast of Huntington, and at mile 411.4 (661.9 km).

DRAINAGE AREA.--717 mi^2 (1,857 km^2).

PERIOD OF RECORD.--January 1969 to current year. Prior to September 1970, published as Huntington "Reservoir".

GAGE.--Water-stage recorder. Datum of gage is 700.00 ft (213.360 m) above mean sea level (levels by Corps of Engineers).

EXTREMES.--Current year: Maximum contents, 87,615 acre-ft (107.8 hm^3) Feb. 22, elevation, 786.60 ft (239.756 m); minimum, 3,180 acre-ft (3.911 hm^3) Apr. 7, elevation, 735.00 ft (224.028 m).
Period of record: Maximum contents, 87,615 acre-ft (107.8 hm^3) Feb. 22, 1976, elevation, 786.60 ft (239.756 m); minimum, 1,760 acre-ft (2.17 hm^3) Nov. 18, 1974, elevation, 731.27 ft (222.891 m), lowered reservoir for repairs.

REMARKS.--Reservoir is formed by concrete and rolled-earth fill dam which is State Highway 5. Releases normally controlled by six sluices, 6.0 ft (1.83 m) wide and 6.0 ft (1.83 m) high and by spillway, crest elevation, 765 ft (233.2 m), with three taintor gates, 45 ft (13.7 m) by 36.5 ft (11.13 m) setting atop spillway. Minimum design capacity is 4,100 acre-ft (5.06 hm^3), elevation, 737 ft (224.6 m). Seasonal pool capacity is 12,500 acre-ft (15.4 hm^3), elevation, 749 ft (228.3 m). Capacity at flood control pool is 153,100 acre-ft (189 hm^3), elevation, 798 ft (243.2 m). Reservoir is used for flood control and recreation. Reservoir put into operation on Jan. 9, 1969.

COOPERATION.--Water-stage recorder graph and capacity tables furnished by Corps of Engineers.

Month-end elevation and contents, water year October 1975 to September 1976

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	746.71	10,500	-
Oct. 31	742.87	7,600	-2,900
Nov. 30	740.10	5,820	-1,780
Dec. 31	737.60	4,430	-1,390
Calendar year 1975	-	-	-260
Jan. 31	739.85	5,680	+1,250
Feb. 29	766.95	35,050	+29,370
Mar. 31	737.10	4,170	-30,880
Apr. 30	743.86	8,300	+4,130
May 31	749.25	12,710	+4,410
June 30	749.55	12,980	+270
July 31	749.25	12,710	-270
Aug. 31	749.19	12,650	-60
Sept. 30	746.32	10,180	-2,470
Water year 1976	-	-	-320

03323500 Wabash River at Huntington, Ind.

LOCATION.--Lat 40°51'20", long 85°29'53", in SW¼NE¼ sec.27, T.28 N., R.9 E., Huntington County, on right bank at the Huntington Water and Light Plant, 2 miles (3 km) south of Huntington, 2.4 miles (3.9 km) downstream from Huntington Lake, 3.2 miles (5.1 km) upstream from Little River, and at mile 409.0 (658.1 km).

DRAINAGE AREA.--721 mi^2 (1,867 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: January 1951 to September 1974.
WATER TEMPERATURE: October 1963 to current year.

GAGE.--WATER DISCHARGE: Datum of gage is 700.04 ft (213.372 m) above mean sea level (levels by State of Indiana, Department of Natural Resources). Prior to July 5, 1951, nonrecording gage at same site and datum. July 6, 1951 to Sept. 30, 1974 water-stage recorder at same site and datum.
WATER TEMPERATURE: Temperature recorder.

AVERAGE DISCHARGE.--23 years, 612 ft^3/s (17.33 m^3/s), 11.52 in/yr (293 mm/yr).

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	16.5	14.5	12.0	11.5	4.5	4.0	0.0	0.0	0.5	0.0	5.0	5.0
2	14.5	13.5	13.5	11.5	4.0	4.0	0.0	0.0	1.5	0.5	5.5	5.0
3	15.5	13.0	13.5	12.0	4.0	4.0	0.0	0.0	1.5	1.0	6.0	5.5
4	15.5	14.0	14.0	12.0	4.0	4.0	1.0	0.0	1.5	1.0	6.5	6.0
5	15.5	14.5	14.0	12.0	5.0	4.0	0.5	0.5	1.5	1.0	7.0	6.5
6	16.0	14.5	14.5	13.0	5.5	5.0	1.0	0.5	1.5	0.5	7.0	7.0
7	16.0	14.5	14.0	14.0	5.5	4.5	1.0	0.5	2.0	0.0	7.0	7.0
8	15.5	15.0	14.0	13.5	5.0	4.5	1.5	0.5	1.5	1.0	7.0	7.0
9	15.5	15.0	14.5	13.5	4.5	4.5	2.0	1.0	2.0	0.5	7.0	6.5
10	16.0	15.0	14.5	13.5	4.5	4.5	2.0	0.5	2.0	1.0	6.5	6.5
11	15.5	14.5	13.5	12.0	4.5	4.5	2.0	1.5	1.5	0.5	6.5	6.0
12	15.5	14.0	13.0	10.5	4.5	4.5	2.0	1.5	0.5	0.0	6.0	6.0
13	16.5	15.0	10.5	9.5	4.5	4.5	1.5	1.5	0.5	0.5	6.0	6.0
14	17.0	15.0	9.5	8.5	6.0	4.5	1.5	0.0	0.5	0.5	6.0	5.5
15	16.0	15.5	9.5	8.0	8.0	6.0	0.5	0.0	0.5	0.5	6.5	5.5
16	15.5	14.5	9.0	8.0	7.0	6.0	0.0	0.0	0.5	0.5	6.5	5.5
17	15.0	14.5	9.0	7.0	6.0	4.0	2.0	0.0	0.5	0.5	6.5	5.0
18	14.5	14.0	8.5	7.0	4.0	1.0	0.5	0.0	1.5	0.5	6.0	5.5
19	14.0	14.0	8.5	6.5	1.0	0.0	1.0	0.0	2.0	1.5	6.5	6.0
20	14.5	14.0	8.0	7.0	0.0	0.0	1.5	1.0	3.0	2.0	8.0	6.5
21	14.0	12.0	7.0	6.5	0.0	0.0	1.0	0.5	3.0	2.0	8.0	8.0
22	13.0	12.0	6.5	6.5	1.0	0.0	1.5	0.5	3.5	3.0	8.5	8.0
23	13.5	13.0	6.5	6.0	1.0	0.5	1.5	0.0	3.5	3.5	9.0	8.5
24	14.0	13.5	6.0	6.0	1.0	0.5	1.5	0.5	3.5	3.5	8.5	8.5
25	14.5	14.0	6.0	6.0	1.0	1.0	1.5	1.5	4.0	3.5	10.0	8.5
26	14.5	12.0	6.0	4.5	1.0	1.0	1.5	0.0	4.0	4.0	12.0	10.0
27	14.5	12.0	4.5	4.0	1.0	1.0	0.0	0.0	4.0	4.0	13.5	12.0
28	14.0	13.5	5.0	4.0	1.0	1.0	0.0	0.0	4.5	4.0	14.0	12.0
29	14.0	13.0	4.5	4.0	1.0	1.0	0.0	0.0	5.0	4.5	13.5	13.0
30	13.5	11.5	5.0	4.0	1.0	0.5	0.0	0.0	---	---	14.0	13.0
31	12.0	11.5	---	---	0.5	0.0	0.0	0.0	---	---	13.0	12.0
MONTH	17.0	11.5	14.5	4.0	8.0	0.0	2.0	0.0	5.0	0.0	14.0	5.0

03323500 Wabash River at Huntington, Ind.--Continued

EXTREMES.--WATER DISCHARGE, Period of record: Maximum discharge, 14,000 ft³/s (422 m³/s) Feb. 10, 1959; maximum gage height, 23.20 ft (7.071 m) Feb. 10, 1959 (backwater from ice); minimum daily discharge, 2.4 ft³/s (0.068 m³/s) Oct. 28, 29, 1964. Flood in March 1913 reached a stage of 22.7 ft (6.92 m), from high-water mark by Corps of Engineers.

WATER TEMPERATURE, Current year: Maximum temperature, 27.0°C July 14, 15; minimum, 0.0°C many days in December, January and February.
Period of record: Maximum temperature, 32.0°C July 27, 1964; minimum, freezing point on many days during most winter periods.

REMARKS.--Flow regulated by Huntington Lake (See sta 03323450).

REVISIONS (WATER YEARS).--WSP 1909: 1959. WSP 2109: Drainage area.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	12.0	11.0	15.5	14.5	20.0	18.0	22.0	19.5	26.0	23.0	23.0	21.5
2	13.5	11.0	15.0	14.5	20.0	18.0	22.0	20.0	26.0	22.0	23.5	21.0
3	13.0	10.5	14.5	13.5	20.0	19.5	22.0	21.0	25.5	21.5	23.5	20.0
4	13.0	11.5	15.0	13.0	20.5	18.0	23.0	21.0	24.5	22.0	24.5	21.5
5	13.5	11.5	16.5	14.5	20.5	18.0	23.0	20.5	24.5	23.5	23.0	20.5
6	14.0	12.0	16.0	14.5	20.0	18.5	23.5	20.0	24.5	21.0	23.0	19.5
7	14.5	13.0	15.5	14.0	20.0	18.0	23.0	20.5	23.5	20.0	23.0	20.0
8	13.5	12.0	15.5	14.0	23.0	18.0	25.5	21.0	24.0	21.0	23.5	20.0
9	13.5	12.0	16.0	14.5	23.0	18.5	25.0	20.5	25.0	21.5	23.5	19.5
10	14.0	12.0	17.0	15.0	21.0	18.5	26.5	21.5	25.0	22.0	20.0	18.5
11	14.0	13.0	18.0	15.5	23.5	19.0	26.0	22.0	24.5	23.0	21.0	18.5
12	14.0	11.0	18.0	15.0	23.5	19.5	25.5	23.5	24.0	23.0	22.0	19.5
13	14.5	11.0	19.0	16.0	23.0	19.0	26.0	20.5	25.5	23.0	23.0	19.5
14	16.0	11.5	18.5	17.0	23.0	19.0	27.0	21.5	25.0	23.0	23.5	20.0
15	17.0	14.5	18.0	16.5	23.5	20.0	27.0	23.5	24.5	21.0	22.0	20.0
16	18.5	16.0	19.0	16.5	21.5	20.0	25.5	22.0	24.5	21.0	21.0	19.5
17	20.0	16.5	18.5	15.5	25.0	19.0	24.5	20.5	24.5	20.5	21.5	20.0
18	19.5	18.0	16.5	16.5	24.0	20.5	25.5	21.5	24.5	21.0	21.5	20.5
19	20.0	18.5	18.0	15.0	23.5	21.0	25.5	23.0	25.0	21.0	21.0	20.0
20	19.5	18.0	19.5	16.0	23.5	19.5	25.5	23.5	25.0	21.5	20.5	18.5
21	19.0	18.0	20.5	18.0	23.0	19.5	25.0	23.5	25.5	21.5	18.5	16.0
22	18.5	17.0	19.5	17.0	21.5	20.0	24.0	23.5	25.5	22.0	16.5	15.0
23	19.0	17.0	20.0	17.0	23.0	20.5	26.5	23.5	24.5	22.0	16.5	15.0
24	19.0	17.0	20.0	18.0	22.0	21.0	26.5	23.5	24.0	22.0	16.0	14.0
25	18.5	16.0	18.5	16.5	24.5	20.5	26.5	22.0	24.0	23.0	15.5	15.0
26	16.0	15.0	18.0	16.0	23.0	21.0	26.5	22.0	25.0	23.0	15.0	15.0
27	15.5	14.0	19.0	16.5	23.5	21.0	25.5	23.5	25.5	23.5	15.5	15.0
28	15.0	13.5	19.0	18.0	22.0	21.0	25.5	23.5	25.5	23.0	16.0	14.5
29	15.5	14.0	18.0	18.0	24.0	20.5	25.0	23.5	23.0	20.5	15.5	14.0
30	15.5	14.5	18.0	17.0	21.0	20.5	26.5	23.5	22.0	19.5	16.5	15.0
31	---	---	18.5	17.0	---	---	25.5	24.0	23.0	20.0	---	---
MONTH	20.0	10.5	20.5	13.0	25.0	18.0	27.0	19.5	26.0	19.5	24.5	14.0
YEAR	27.0	0.0										

03324000 Little River near Huntington, Ind.

LOCATION.--Lat 40°54'14", long 85°24'22", in NE¼NW¼ sec.9, T.28 N., R.10 E., Huntington County, on right bank on upstream side of highway bridge, 5 miles (8 km) east of Huntington, and at mile 7.5 (12.1 km).

DRAINAGE AREA.--263 mi^2 (681 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: 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.
SEDIMENT DISCHARGE: October 1969 to current year (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 728.10 ft (221.925 m) above mean sea level. Prior to Oct. 1, 1948, nonrecording gage 4 miles (6 km) downstream at datum 8.79 ft (2.679 m) lower, and Oct. 1, 1948, to Sept. 5, 1950, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--33 years, 224 ft^3/s (6.339 m^3/s), 11.55 in/yr (293 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,740 ft^3/s (77.6 m^3/s) Feb. 17, gage height, 13.75 ft (4.191 m); minimum daily, 4.8 ft^3/s (0.14 m^3/s) Sept. 24, 25.
Period of record: Maximum discharge, 5,990 ft^3/s (170 m^3/s) Jan. 4, 1950; maximum gage height, 18.43 ft (5.617 m) Feb. 11, 1959; minimum daily discharge, 1.1 ft^3/s (0.031 m^3/s) Oct. 8, 1946, site and datum then in use.

REMARKS.--Records good.

REVISIONS.--WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	40	1330	259	145	173	112	97	51	49	28	14
2	34	43	531	191	123	185	108	89	78	40	18	16
3	32	42	299	237	114	574	97	80	59	35	14	8.5
4	31	38	223	190	102	2160	90	67	41	32	13	6.5
5	31	37	188	130	93	2600	83	63	35	29	11	6.7
6	32	38	304	102	87	1990	78	65	33	27	20	7.1
7	28	103	463	90	80	981	74	199	30	34	52	6.6
8	29	211	284	84	76	507	68	171	27	38	26	5.6
9	46	122	232	79	72	338	63	101	26	27	16	13
10	48	160	218	75	588	262	61	80	25	24	12	22
11	38	189	189	71	2460	236	60	69	24	29	10	17
12	36	116	182	70	2370	215	56	63	24	49	10	12
13	37	88	210	80	2530	232	56	57	24	32	13	9.2
14	33	72	252	174	2210	184	55	54	25	25	13	7.1
15	31	61	2010	209	1660	156	55	56	22	23	12	6.3
16	31	57	2320	156	1960	152	55	58	33	31	10	7.8
17	31	51	1550	124	2710	156	51	63	34	31	8.5	9.0
18	33	45	648	100	2470	143	49	63	27	23	6.8	8.4
19	96	43	330	90	1900	163	48	49	40	21	5.6	8.4
20	132	44	246	84	1080	153	47	44	46	18	5.2	9.2
21	92	54	174	80	1550	144	48	40	34	25	5.2	8.5
22	73	51	132	75	2230	124	56	38	40	37	6.4	6.8
23	60	44	117	71	1580	106	55	38	105	35	7.2	5.4
24	53	40	102	67	846	100	54	37	158	26	6.4	4.8
25	49	40	95	99	588	131	472	34	483	22	7.2	4.8
26	58	40	88	633	409	139	694	36	194	20	7.6	11
27	55	44	90	648	306	162	296	35	100	22	8.0	21
28	48	44	83	382	254	238	179	32	72	20	8.5	14
29	44	117	75	279	210	169	132	34	59	69	8.8	10
30	41	1190	108	207	---	150	109	36	53	56	8.4	10
31	40	---	304	166	---	127	---	46	---	32	9.6	---
TOTAL	1458	3264	13377	5302	30803	13150	3461	1994	2002	981	387.4	296.7
MEAN	47.0	109	432	171	1062	424	115	64.3	66.7	31.6	12.5	9.89
MAX	132	1190	2320	648	2710	2600	694	199	483	69	52	22
MIN	28	37	75	67	72	100	47	32	22	18	5.2	4.8
CFSM	.18	.41	1.64	.65	4.04	1.61	.44	.24	.25	.12	.05	.04
IN.	.21	.46	1.89	.75	4.36	1.86	.49	.28	.28	.14	.05	.04

CAL YR 1975 TOTAL 82528.0 MEAN 226 MAX 2440 MIN 19 CFSM .86 IN 11.67
WTR YR 1976 TOTAL 76476.1 MEAN 209 MAX 2710 MIN 4.8 CFSM .79 IN 10.82

03324000 Little River near Huntington, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM
OCT								
21...	1430	88	13.0	14	3.3	--	--	--
DEC								
02...	1645	439	4.0	74	88	--	--	--
JAN								
06...	1040	102	.0	46	13	--	--	--
FEB								
19...	0830	2020	--	123	671	29	36	44
MAR								
11...	0935	255	40.0	29	20	--	--	--
APR								
20...	0835	45	17.0	20	2.4	--	--	--
MAY								
18...	1225	58	14.5	47	7.4	--	--	--
JUN								
21...	1625	34	20.0	78	7.2	--	--	--
JUL								
26...	1540	20	26.0	35	1.9	--	--	--
SEP								
01...	1010	13	19.0	48	1.8	--	--	--

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM	SUS. SED. SIEVE DIAM. % FINER THAN 1.00 MM
OCT							
21...	--	--	--	--	--	--	--
DEC							
02...	--	--	--	--	--	--	--
JAN							
06...	--	--	--	--	--	--	--
FEB							
19...	61	92	95	95	96	97	100
MAR							
11...	--	--	--	--	--	--	--
APR							
20...	--	--	--	--	--	--	--
MAY							
18...	--	--	--	--	--	--	--
JUN							
21...	--	--	--	--	--	--	--
JUL							
26...	--	--	--	--	--	--	--
SEP							
01...	--	--	--	--	--	--	--

03324200 Salamonie River at Portland, Ind.

LOCATION.--Lat 40°25'40", long 85°02'20", in NE¼SE¼ sec.23, T.23 N., R.13 E., Jay County, on right bank at downstream side of county road bridge, 2.3 miles (3.7 km) downstream from Butternut Creek, 3.2 miles (5.1 km) west of Portland, 3.7 miles (6.0 km) downstream from Little Salamonie River, and at mile 70.5 (113.4 km).

DRAINAGE AREA.--85.6 mi² (221.7 km²).

PERIOD OF RECORD.--September 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is 877.59 ft (267.489 m) above mean sea level (levels by State of Indiana, Department of Natural Resources). Prior to Oct. 1, 1960, nonrecording gage at site 1.4 miles (2.3 km) upstream at datum 6.43 ft (1.960 m) higher.

AVERAGE DISCHARGE.--17 years, 72.2 ft³/s (2.045 m³/s), 11.45 in/yr (291 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,480 ft³/s (70.2 m³/s) Feb. 17, gage height, 14.31 ft (4.362 m); minimum daily, 1.2 ft³/s (0.034 m³/s) Oct. 6.
Period of record: Maximum discharge, 3,460 ft³/s (98.0 m³/s) Mar. 5, 1963, gage height, 16.96 ft (5.169 m); minimum daily, 0.4 ft³/s (0.01 m³/s) Sept. 27, 1965.

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

REVISIONS (WATER YEARS).--WSP 2109: Drainage. WRD Ind. 1972: 1971.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	4.2	271	164	35	26	19	6.6	60	74	1.8	2.3
2	3.3	5.2	62	95	27	23	20	6.0	86	27	1.4	2.3
3	2.9	4.4	36	243	20	25	17	5.7	33	16	1.5	2.3
4	2.2	4.9	26	110	16	1230	15	5.2	15	12	1.5	2.1
5	1.5	4.9	21	50	14	838	12	4.6	8.9	8.6	1.7	1.6
6	1.2	4.7	21	29	13	226	12	8.9	6.6	8.6	19	1.5
7	2.2	8.5	24	23	12	99	11	60	5.2	122	16	1.6
8	6.3	6.3	23	18	11	63	9.7	33	4.8	31	5.9	2.2
9	5.4	6.1	22	16	11	48	9.3	15	4.5	8.2	3.7	2.7
10	3.0	25	21	15	800	39	8.6	8.9	4.0	4.9	3.0	3.3
11	3.0	44	21	14	1700	44	9.3	7.2	3.5	4.5	2.7	1.9
12	2.1	22	27	13	281	44	8.6	6.9	3.2	4.0	2.7	1.6
13	2.0	15	93	186	362	40	8.2	5.7	2.9	3.7	3.8	1.5
14	3.4	11	75	743	266	31	8.2	6.0	2.7	3.5	2.9	2.0
15	4.2	8.4	862	195	162	26	7.9	5.7	4.4	4.6	4.4	2.1
16	5.1	6.6	750	80	925	28	6.9	4.9	20	6.0	2.9	12
17	8.5	6.4	139	43	2200	34	6.6	4.6	10	3.2	3.8	7.2
18	168	6.4	61	29	644	34	6.3	5.2	10	3.0	2.9	3.0
19	257	6.1	39	22	390	62	6.0	4.9	71	2.5	2.5	1.6
20	113	6.4	29	18	163	53	7.6	4.7	48	2.3	2.5	5.6
21	68	6.5	21	15	265	391	11	4.2	16	6.6	2.1	2.3
22	35	6.0	17	13	284	102	8.6	4.4	11	5.9	1.7	1.9
23	21	5.2	14	12	129	56	9.3	3.9	12	12	1.5	1.9
24	14	5.1	13	11	88	43	10	3.7	237	4.9	2.4	2.5
25	10	5.9	11	183	67	38	24	3.9	210	2.3	2.4	2.2
26	7.8	6.1	15	2230	52	32	30	3.9	55	1.9	2.4	2.6
27	6.6	5.8	12	1120	41	31	15	3.7	22	1.9	2.3	3.6
28	6.5	5.8	11	617	34	24	10	3.3	17	2.9	2.7	2.4
29	6.9	16	11	420	29	21	8.6	3.3	16	15	1.8	2.0
30	5.4	238	100	213	---	22	7.9	5.2	206	5.7	1.3	2.1
31	4.9	---	358	99	---	20	---	61	---	2.6	1.9	---
TOTAL	784.8	506.9	3206	7039	9041	3793	343.6	310.2	1205.7	411.3	109.1	83.9
MEAN	25.3	16.9	103	227	312	122	11.5	10.0	40.2	13.3	3.52	2.80
MAX	257	238	862	2230	2200	1230	30	61	237	122	19	12
MIN	1.2	4.2	11	11	11	20	6.0	3.3	2.7	1.9	1.3	1.5
CFSM	.30	.20	1.20	2.65	3.64	1.43	.13	.12	.47	.16	.04	.03
IN.	.34	.22	1.39	3.06	3.93	1.65	.15	.13	.52	.18	.05	.04

CAL YR 1975 TOTAL 28500.1 MEAN 78.1 MAX 2030 MIN 1.2 CFSM .91 IN 12.39
WTR YR 1976 TOTAL 26834.5 MEAN 73.3 MAX 2230 MIN 1.2 CFSM .86 IN 11.66

PEAK DISCHARGE (BASE, 1,400 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-15	2300	11.40	1,650	02-17	0800	14.31	2,480
01-26	1300	14.16	2,430	03-04	1700	12.13	1,830
02-11	0500	13.86	2,320				

03324500 Salamonie River near Warren, Ind.

LOCATION.--Lat 40°42'45", long 85°27'13", in SE¼SE¼ sec.12, T.26 N., R.9 E., Huntington County, on right bank at downstream side of bridge on County Road 800 South, 0.4 mile (0.6 km) downstream from Detamore ditch, 0.4 mile (0.6 km) downstream from Interstate 69, 0.8 mile (1.3 km) upstream from concrete and stone dam, 2.4 miles (3.9 km) northwest of Warren, and at mile 30.0 (48.3 km).

DRAINAGE AREA.--425 mi^2 (1,101 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: March 1957 to current year.
SEDIMENT DISCHARGE: October 1963 to current year (partial-record station).

GAGE.--Water-stage recorder and concrete dam. Datum of gage is 784.65 ft (239.161 m) above mean sea level (levels by State of Indiana, Department of Natural Resources). Prior to July 28, 1960, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--19 years, 387 ft^3/s (10.96 m^3/s), 12.38 in/yr (314 mm/yr).

EXTREMES.--Current year: Maximum discharge, 8,590 ft^3/s (243 m^3/s) Feb. 17, gage height, 14.51 ft (4.422 m); minimum daily, 8.0 ft^3/s (0.23 m^3/s) Sept. 24.
Period of record: Maximum discharge, 13,200 ft^3/s (374 m^3/s) Feb. 10, 1959, gage height, 17.05 ft (5.197 m); minimum daily, 5.8 ft^3/s (0.16 m^3/s) Sept. 19, 1959.

REMARKS.--Records good.

REVISIONS.--WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	50	1770	881	227	183	127	58	331	460	23	11
2	44	54	751	479	164	200	121	57	341	208	16	11
3	43	57	311	538	132	331	112	54	224	104	11	11
4	51	58	205	881	114	2690	107	52	114	63	9.3	10
5	54	57	162	245	102	4660	93	48	68	48	9.2	8.4
6	57	55	222	185	94	4400	86	52	51	39	13	9.1
7	55	91	339	145	86	2030	77	70	41	31	13	12
8	58	153	226	128	82	690	73	112	38	69	16	14
9	62	103	182	113	78	444	68	104	38	69	24	17
10	66	136	165	103	935	342	61	70	38	39	17	15
11	72	217	149	96	5330	300	63	59	38	30	13	11
12	77	189	141	90	5160	294	57	51	38	37	11	12
13	70	129	267	103	5310	286	55	48	40	20	11	13
14	60	95	442	542	3150	236	54	47	38	13	26	13
15	56	75	2220	1090	1640	200	55	49	37	14	24	13
16	55	66	3060	568	3120	193	55	48	111	28	15	14
17	61	59	2270	273	7760	194	51	47	63	24	11	13
18	88	53	676	194	6550	201	49	44	54	17	9.0	14
19	373	51	380	156	5080	238	48	41	45	16	8.9	20
20	601	50	267	127	2530	263	48	40	38	13	9.3	21
21	310	56	172	105	1830	656	52	40	74	16	10	18
22	201	59	119	93	2240	787	52	38	90	16	12	12
23	132	54	106	85	1200	332	51	36	148	20	11	9.1
24	94	50	99	82	693	241	59	34	224	28	9.8	8.0
25	77	50	93	113	503	224	86	33	669	25	10	10
26	68	49	87	1660	383	200	139	32	439	22	10	14
27	63	48	91	2450	302	206	127	33	170	23	9.6	16
28	57	49	88	2540	251	202	86	35	160	20	9.6	15
29	56	71	76	1700	215	165	66	36	218	20	11	16
30	51	935	114	499	---	154	57	36	229	17	11	15
31	49	---	648	312	---	135	---	55	---	26	11	---
TOTAL	3206	3219	15898	16576	55261	21677	2235	1559	4207	1575	404.7	395.6
MEAN	103	107	513	535	1906	699	74.5	50.3	140	50.8	13.1	13.2
MAX	601	935	3060	2540	7760	4660	139	112	669	460	26	21
MIN	43	48	76	82	78	135	48	32	37	13	8.9	8.0
CFSM	.24	.25	1.21	1.26	4.48	1.64	.18	.12	.33	.12	.03	.03
IN.	.28	.28	1.39	1.45	4.84	1.90	.20	.14	.37	.14	.04	.03

CAL YR 1975 TOTAL 145666.0 MEAN 399 MAX 5650 MIN 31 CFSM .94 IN 12.75
WTR YR 1976 TOTAL 126213.3 MEAN 345 MAX 7760 MIN 8.0 CFSM .81 IN 11.05

PEAK DISCHARGE (BASE, 3,000 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-16	0400	10.05	3,250	02-17	1400	14.54	8,590
02-11	1200	12.89	6,460	03-05	2100	11.56	4,910

03324450 Salamonie Lake at Dora, Ind.

LOCATION.--Lat 40°48'25", long 85°40'38", in SW¼NW¼ sec.7, T.27 N., R.8 E., Wabash County, in discharge tower of reservoir on Salamonie River, 1.1 miles (1.8 km) northwest of Dora, and 3.4 miles (5.5 km) upstream from mouth.

DRAINAGE AREA.--553 mi² (1,432 km²).

PERIOD OF RECORD.--April 1967 to current year. Prior to September 1970, published as Salamonie "Reservoir".

GAGE.--Water-stage recorder. Datum of gage is 700.00 ft (213.360 m) above mean sea level (levels by Corps of Engineers).

EXTREMES.--Current year: Maximum contents, 136,220 acre-ft (168 hm³) Mar. 7, elevation, 774.42 ft (236.043 m); minimum, 12,890 acre-ft (15.9 hm³) Jan. 5, elevation, 729.78 ft (222.437 m).
Period of record: Maximum contents, 157,740 acre-ft (194 hm³) Apr. 26, 1972, elevation, 778.43 ft (237.265 m); minimum, 10,000 acre-ft (12.3 hm³) Mar. 11, 1969, elevation, 726.44 ft (221.419 m).

REMARKS.--Reservoir is formed by earth-fill dam. Releases normally controlled by three gates, 4.75 ft (1.45 m) wide and 16.0 ft (4.88 m) high, in semi-elliptical conduit through dam. Minimum design capacity is 13,100 acre-ft (16.2 hm³), elevation, 730 ft (222.5 m). Seasonal pool capacity is 60,700 acre-ft (74.8 hm³), elevation, 755 ft (230.1 m). Capacity at uncontrolled spillway elevation, 793 ft (241.7 m) is 263,600 acre-ft (325 hm³). Reservoir is used for flood control and recreation. Reservoir put in operation on Apr. 17, 1967.

COOPERATION.--Water-stage recorder graph and capacity tables furnished by Corps of Engineers.

Month-end elevation and contents, water year October 1975 to September 1976

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	751.37	50,940	-
Oct. 31	742.62	31,500	-19,440
Nov. 30	732.58	15,830	-15,670
Dec. 31	730.67	13,770	-2,060
Calendar year 1975	-	-	+70
Jan. 31	730.62	13,720	-50
Feb. 29	770.58	117,840	+104,120
Mar. 31	738.93	24,800	-93,040
Apr. 30	741.68	29,700	+4,900
May 31	742.94	32,120	+2,420
June 30	748.30	43,540	+11,420
July 31	750.23	48,110	+4,570
Aug. 31	750.02	47,600	-510
Sept. 30	744.04	34,320	-13,280
Water year 1976	-	-	-16,620

03325000 Wabash River at Wabash, Ind.

LOCATION.--Lat 40°47'25", long 85°49'13", in SE¼NW¼ sec.14, T.27 N., R.6 E., Wabash County, on right bank on upstream side of Wabash Street bridge in Wabash, 7.1 miles (11.4 km) downstream from Salamonie River, and at mile 387.2 (623.0 km).

DRAINAGE AREA.--1,768 mi^2 (4,579 km^2).

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

GAGE.--Water-stage recorder. Datum of gage is 642.66 ft (195.883 m) above mean sea level. Prior to Sept. 30, 1954, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--53 years, 1,492 ft^3/s (42.25 m^3/s), 11.46 in/yr (291 mm/yr).

EXTREMES.--Current year: Maximum discharge, 10,300 ft^3/s (292 m^3/s) Feb. 17, gage height, 14.08 ft (4,292 m); minimum daily discharge, 67 ft^3/s (1.90 m^3/s) Sept. 3, 6.
Period of record: Maximum discharge, 49,600 ft^3/s (1,400 m^3/s) May 18, 1943; maximum gage height, 24.44 ft (7.499 m) Feb. 11, 1959 (ice jam); minimum daily discharge, 19 ft^3/s (0.54 m^3/s) July 21, 1936.
Maximum stage known, 28.7 ft (8.748 m) Mar. 26, 1913, from floodmark, determined by Corps of Engineers, discharge, 90,000 ft^3/s (2,550 m^3/s), from rating curve extended above 49,000 ft^3/s (1,390 m^3/s).

REMARKS.--Records good. Flow regulated by Huntington Lake (See sta 03323450) and Salamonie Lake (See sta 03324450).

REVISIONS (WATER YEARS).--WSP 1275: 1931-37(M), 1938-39, 1940(M). WSP 1385: 1942. WSP 1505: 1955. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	466	548	4520	2200	2650	7670	785	294	175	343	191	82
2	454	561	4020	2880	1180	7510	717	278	552	331	166	72
3	465	552	3810	2990	680	5690	764	265	1460	534	146	67
4	485	661	2870	2080	651	8000	816	244	1260	536	111	69
5	531	548	1010	1940	776	8160	731	225	415	420	95	68
6	548	535	921	1280	605	6790	612	227	489	293	115	67
7	462	565	1580	868	605	6250	605	262	400	281	125	218
8	428	752	1620	943	406	6360	332	418	302	248	154	510
9	485	932	1260	637	514	7170	244	320	174	204	120	481
10	583	938	1060	806	853	7600	233	262	151	175	102	488
11	548	1250	879	694	5500	7620	234	238	153	187	94	456
12	493	1440	938	637	6380	6890	236	216	138	204	102	147
13	450	938	895	610	8120	7040	275	197	136	162	103	128
14	446	837	1290	811	7270	6660	287	198	134	160	107	124
15	446	722	5800	1780	6770	5840	262	199	125	150	181	126
16	469	610	5950	2580	7250	5690	213	198	149	155	103	127
17	473	633	5060	2170	8460	4780	210	200	141	145	98	376
18	497	624	4380	1110	6770	5190	205	196	165	132	96	905
19	552	561	4860	905	6260	5220	202	179	304	112	94	952
20	786	552	4720	675	6370	5230	199	161	206	106	93	635
21	1780	561	4990	633	5870	5120	199	144	154	123	91	391
22	1750	628	3070	570	8010	5000	201	137	163	123	90	379
23	1510	680	1150	557	7790	4980	204	132	327	126	90	373
24	1200	552	1200	481	7210	3950	217	128	643	137	91	366
25	932	527	927	506	6690	2380	474	128	1310	143	91	353
26	766	510	837	1380	6640	1630	1260	124	1610	149	90	355
27	614	548	642	3660	6680	1380	778	120	1040	159	90	379
28	694	570	601	4320	7120	1550	488	121	630	166	90	374
29	596	742	583	4440	7720	1170	376	386	369	421	89	371
30	527	2670	747	4400	---	1040	324	479	337	338	87	366
31	497	---	1190	4210	---	910	---	239	---	247	87	---
TOTAL	20933	22747	73380	53753	141800	160470	12683	6915	13612	7010	3382	9805
MEAN	675	758	2367	1734	4890	5176	423	223	454	226	109	327
MAX	1780	2670	5950	4440	8460	8160	1260	479	1610	536	191	952
MIN	428	510	583	481	406	910	199	120	125	106	87	67
CFSM	.38	.43	1.34	.98	2.77	2.93	.24	.13	.26	.13	.06	.18
IN.	.44	.48	1.54	1.13	2.98	3.38	.27	.15	.29	.15	.07	.21

CAL YR 1975 TOTAL 610555 MEAN 1673 MAX 8100 MIN 104 CFSM .95 IN 12.85
WTR YR 1976 TOTAL 526490 MEAN 1438 MAX 8460 MIN 67 CFSM .81 IN 11.08

03325500 Mississinewa River near Ridgeville, Ind.

LOCATION.--Lat 40°16'49", long 84°59'44", in SE¼SE¼ sec.7, T.21 N., R.14 E., Randolph County, on right bank 10 ft (3 m) downstream from highway bridge, 0.8 mile (1.3 km) downstream from Mud Creek, 2 miles (3 km) east of Ridgeville, and at mile 99.5 (160.0 km).

DRAINAGE AREA.--133 mi^2 (344 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: August 1946 to current year.
SEDIMENT DISCHARGE: March 1975 to current year (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 965.28 ft (294.217 m) above mean sea level (levels by State of Indiana, Department of Natural Resources). Prior to Oct. 5, 1950, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--30 years, 124 ft^3/s (3.512 m^3/s), 12.66 in/yr (322 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,790 ft^3/s (107 m^3/s) Feb. 17, gage height, 12.41 ft (3.783 m); minimum daily, 2.1 ft^3/s (0.06 m^3/s) Sept. 7.
Period of record: Maximum discharge, 13,900 ft^3/s (394 m^3/s) June 10, 1958, gage height, 16.25 ft (4.953 m); from rating curve extended above 5,000 ft^3/s (142 m^3/s) on basis of contracted-opening measurement of peak flow; minimum daily, 0.1 ft^3/s (0.003 m^3/s) Oct. 24, 1946.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1235: 1948. WSP 1335: 1953. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	16	256	345	64	65	40	21	214	106	5.6	3.5
2	7.7	16	97	218	58	62	37	21	128	51	4.8	3.6
3	7.6	14	62	508	52	80	32	18	54	32	4.7	3.4
4	7.7	15	45	200	48	1570	30	17	31	22	4.7	3.4
5	7.1	15	37	110	44	945	27	16	22	20	5.0	3.0
6	7.2	15	31	80	40	343	27	19	18	27	7.1	2.5
7	7.1	19	29	60	36	182	26	40	16	69	8.4	2.1
8	9.5	19	27	50	34	127	24	21	15	36	6.2	2.4
9	15	17	28	40	32	103	22	17	14	22	4.8	3.6
10	9.6	52	27	38	1060	84	22	15	13	16	4.9	5.6
11	8.6	55	26	37	1800	83	23	15	12	13	4.8	3.5
12	7.9	31	39	36	439	83	21	14	11	11	5.6	2.8
13	7.4	24	130	300	439	100	22	13	10	11	8.6	2.2
14	8.7	19	115	605	335	74	22	13	9.0	10	8.5	2.5
15	11	17	1060	150	248	63	22	14	9.3	15	11	3.2
16	12	16	703	90	1160	65	22	13	14	24	7.8	3.6
17	15	14	254	65	3150	63	20	12	12	14	5.8	4.0
18	335	14	130	52	1680	68	20	14	22	10	5.1	4.5
19	406	13	93	46	724	103	20	12	86	7.9	4.8	3.5
20	216	14	74	41	374	90	23	11	37	8.2	4.5	3.1
21	139	17	51	37	555	347	24	10	18	7.9	4.4	4.2
22	84	14	40	35	475	133	25	10	15	8.9	4.0	4.0
23	56	13	37	33	244	95	24	9.7	24	9.7	3.6	3.9
24	39	11	29	32	188	82	23	9.0	221	7.6	3.6	3.9
25	31	12	29	292	147	69	34	10	142	6.5	4.1	3.9
26	25	12	37	2330	118	61	47	9.8	55	5.5	4.8	3.4
27	21	13	28	516	98	64	28	9.5	28	6.1	4.2	3.6
28	20	11	23	165	86	51	23	9.2	22	6.5	3.8	4.4
29	19	47	22	118	75	47	22	9.7	35	8.4	3.4	3.9
30	18	311	420	99	---	48	21	17	290	6.9	2.9	3.7
31	16	---	772	75	---	40	---	78	---	6.1	2.9	---
TOTAL	1582.1	876	4751	6803	13803	5390	773	517.9	1597.3	605.2	164.4	104.9
MEAN	51.0	29.2	153	219	476	174	25.8	16.7	53.2	19.5	5.30	3.50
MAX	406	311	1060	2330	3150	1570	47	78	290	106	11	5.6
MIN	7.1	11	22	32	32	40	20	9.0	9.0	5.5	2.9	2.1
CFSM	.38	.22	1.15	1.65	3.58	1.31	.19	.13	.40	.15	.04	.03
IN.	.44	.25	1.33	1.90	3.86	1.51	.22	.14	.45	.17	.05	.03

CAL YR 1975 TOTAL 54830.3 MEAN 150 MAX 3590 MIN 6.1 CFSM 1.13 IN 15.34
WTR YR 1976 TOTAL 36967.8 MEAN 101 MAX 3150 MIN 2.1 CFSM .76 IN 10.34

PEAK DISCHARGE (BASE, 2,400 FT^3/S).--Jan. 26 (0700) 2,900 ft^3/s (11.63 ft); Feb. 17 (0700) 3,790 ft^3/s (12.41 ft).

03325500 Mississinewa River near Ridgeville, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
MAR. 26...	1400	13.0	58	56	8.9
APR. 29...	1330	12.0	20	6	.33
JUNE 08...	1620	21.5	15	12	.51
JULY 22...	1550	23.0	9.2	12	.30
AUG. 10...	1610	20.5	5.4	12	.17

03326070 Big Lick Creek near Hartford City, Ind.

LOCATION.--Lat 40°25'20", long 85°21'04", in SE¼SE¼ sec.23, T.23 N., R.10 E., Blackford County, on right bank, 6 ft (2 m) downstream from bridge on County Road 100 East and 2.0 miles (3.2 km) southeast of Hartford City.

DRAINAGE AREA.--29.2 mi^2 (75.6 km^2).

PERIOD OF RECORD.--July 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 865.00 ft (263.652 m) above mean sea level.

AVERAGE DISCHARGE.--5 years, 29.6 ft^3/s (0.838 m^3/s), 13.77 in/yr (350 mm/yr).

EXTREMES.--Current year: Maximum discharge, 792 ft^3/s (22.4 m^3/s) Feb. 10, gage height, 13.70 ft (4.176 m); minimum daily, 0.44 ft^3/s (0.012 m^3/s) Sept. 22.
Period of record: Maximum discharge, 792 ft^3/s (22.4 m^3/s) Feb. 10, 1976, gage height, 13.70 ft (4.176 m); maximum gage height, 13.98 ft (4.261m) Feb. 23, 1975; minimum daily, 0.38 ft^3/s (0.011 m^3/s) Sept. 25, 1971.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	2.9	98	44	8.4	13	8.0	3.1	26	17	1.5	.60
2	2.9	2.9	24	27	6.9	13	7.7	3.5	17	6.5	1.6	.62
3	2.3	2.8	14	63	5.9	19	7.1	3.1	7.4	4.5	1.2	.58
4	2.2	2.6	10	28	5.2	546	6.2	2.6	4.8	3.5	1.2	.67
5	1.6	2.6	8.9	14	4.7	328	5.7	2.5	3.8	3.0	1.3	.56
6	1.5	2.2	11	9.0	4.4	119	5.5	3.3	3.3	3.0	3.7	.56
7	1.9	4.0	15	6.6	4.2	64	5.5	16	3.1	3.2	3.8	.54
8	2.3	3.8	10	5.4	4.0	41	4.6	5.7	3.0	2.8	1.8	.49
9	6.0	3.0	9.7	4.7	3.8	29	4.4	3.6	2.8	2.3	1.8	.78
10	3.3	16	9.7	4.3	299	20	4.4	3.0	2.6	2.2	1.7	1.1
11	2.6	12	9.1	4.0	471	23	4.8	2.7	2.6	2.0	1.4	.77
12	2.0	6.2	11	3.8	186	21	4.0	2.4	2.3	2.0	1.4	.72
13	1.7	4.6	30	17	221	17	4.0	2.2	2.4	1.9	1.6	.69
14	1.8	3.6	21	56	122	13	4.0	2.5	2.4	1.7	1.5	.80
15	2.0	3.3	259	26	113	12	3.8	2.6	2.5	1.7	1.6	.83
16	2.5	3.1	143	15	422	13	3.4	2.5	10	2.4	1.6	1.5
17	5.5	2.8	46	7.6	471	14	3.4	2.3	4.7	1.9	1.1	1.3
18	50	2.6	22	5.7	182	15	3.3	2.7	3.2	1.5	1.1	1.7
19	91	2.6	13	4.8	110	18	3.3	2.5	11	1.4	.96	.46
20	37	3.3	9.8	4.4	67	20	3.8	2.2	6.8	1.5	.86	.67
21	18	3.8	7.3	4.0	139	89	4.2	2.5	3.8	1.9	.69	.80
22	10	3.1	6.3	3.8	111	26	3.8	2.5	7.7	2.5	.63	.44
23	7.1	2.8	6.0	3.6	58	18	4.0	2.6	17	3.0	.68	.47
24	5.5	2.6	5.3	3.5	40	15	4.2	2.5	64	1.9	.72	.87
25	5.2	2.9	5.2	66	30	14	7.4	2.7	56	1.7	.77	.78
26	5.0	2.9	6.1	498	24	13	10	2.6	14	1.7	.78	.93
27	4.0	3.3	5.0	157	19	13	5.0	2.5	7.5	1.6	.78	1.4
28	3.8	2.9	4.6	65	16	10	3.7	2.7	10	1.8	.74	1.2
29	3.6	15	4.4	29	14	9.7	3.3	3.0	11	2.9	.64	1.2
30	3.4	136	36	17	---	9.7	3.1	4.3	66	2.3	.55	1.0
31	3.1	---	87	12	---	8.5	---	31	---	1.8	.51	---
TOTAL	292.3	262.2	947.4	1209.2	3162.5	1583.9	145.6	129.9	378.7	89.1	40.21	25.03
MEAN	9.43	8.74	30.6	39.0	109	51.1	4.85	4.19	12.6	2.87	1.30	.83
MAX	91	136	259	498	471	546	10	31	66	17	3.8	1.7
MIN	1.5	2.2	4.4	3.5	3.8	8.5	3.1	2.2	2.3	1.4	.51	.44
CFSM	.32	.30	1.05	1.34	3.73	1.75	.17	.14	.43	.10	.04	.03
IN.	.37	.33	1.21	1.54	4.03	2.02	.19	.17	.48	.11	.05	.03

CAL YR 1975 TOTAL 9300.37 MEAN 25.5 MAX 602 MIN .97 CFSM .87 IN 11.85
WTR YR 1976 TOTAL 8266.04 MEAN 22.6 MAX 546 MIN .44 CFSM .77 IN 10.53

PEAK DISCHARGE (BASE, 275 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-15	1300	10.89	405	02-16	2300	13.63	783
01-26	0500	12.70	668	03-04	1200	12.88	690
02-10	2100	13.70	792				

03326500 Mississinewa River at Marion, Ind.

LOCATION.--Lat 40°34'34", long 85°39'34", in SE¼NE¼ sec.31, T.25 N., R.8 E., Grant County, on left bank 12 ft (4 m) downstream from Highland Avenue bridge in Marion, 0.1 mile (0.2 km) downstream from old mill dam, 1.0 mile (2.0 km) upstream from Hummel Creek, 4.6 miles (7.4 km) downstream from Lugar Creek, and at mile 35.8 (57.6 km).

DRAINAGE AREA.--682 mi^2 (1,766 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: September 1923 to current year. Monthly discharge only for some periods, published in WSP 1305.
CHEMICAL ANALYSES: November 1975 to current year.
WATER TEMPERATURE: November 1975 to current year.

GAGE.--Water-stage recorder. Datum of gage is 774.56 ft (236.086 m) above mean sea level. Prior to Dec. 9, 1933, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--53 years, 631 ft^3/s (17.87 m^3/s), 12.56 in/yr (319 mm/yr).

EXTREMES.--WATER DISCHARGE: Current year: Maximum discharge, 13,500 ft^3/s (382 m^3/s) Feb. 17, gage height, 12.55 ft (3.825 m); minimum daily, 8.8 ft^3/s (0.25 m^3/s) Aug. 11.
Period of record: Maximum discharge, 25,000 ft^3/s (708 m^3/s) Mar. 21, 1927, gage height, 17.40 ft (5.305 m) from graph based on gage readings, from rating curve extended above 18,000 ft^3/s (510 m^3/s); minimum daily, 3.4 ft^3/s (0.096 m^3/s) Oct. 25, 1968.
Flood in March 1913 reached a stage of 19.20 ft (5.852 m) from information by State of Indiana, Department of Natural Resources.
SPECIFIC CONDUCTANCE, current year: Maximum conductance, 860 micromhos Dec. 13; minimum, 136 micromhos Feb. 17.
Period of record: Maximum conductance, 860 micromhos Dec. 13, 1975; minimum, 136 micromhos Feb. 17, 1976.
WATER TEMPERATURE, current year: Maximum temperature, 28.5°C June 12, 1976; minimum, freezing point on many days during winter months.
Period of record: Maximum temperature, 28.5°C June 12, 1976; minimum, freezing point on many days during winter period.

REMARKS.--Water discharge records good, chemical and water temperatures fair. Flow periodically regulated by dam above station.

REVISIONS (WATER YEARS).--WSP 1335: 1927(M). WSP 1385: 1948. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	239	107	1920	2500	477	493	296	116	321	1090	63	34
2	71	106	1200	1500	387	498	277	110	519	830	62	38
3	67	102	565	2000	356	465	257	102	552	440	59	37
4	62	98	382	1200	291	2790	244	92	330	287	54	35
5	57	98	307	800	244	6720	228	82	219	213	61	34
6	56	96	326	600	237	4950	216	111	163	171	95	32
7	56	148	393	462	281	2130	206	139	133	193	73	32
8	78	257	312	361	227	1350	193	159	119	199	77	32
9	73	196	275	230	192	1020	185	203	115	153	63	70
10	73	235	254	217	577	796	177	172	110	165	218	50
11	70	359	234	234	6870	690	175	137	104	165	8.8	56
12	66	262	230	230	7260	626	172	119	102	325	8.9	45
13	61	235	321	307	4050	604	166	116	96	322	48	38
14	61	186	388	937	2560	520	166	112	88	185	68	36
15	61	154	2740	1280	1800	463	166	116	109	177	55	37
16	58	136	3800	1300	3380	438	166	115	294	117	49	36
17	56	127	2680	667	12200	432	166	108	10	106	45	38
18	75	117	1100	399	9470	416	162	104	57	94	45	39
19	128	109	800	298	6500	462	158	100	98	87	48	41
20	891	65	600	271	3170	502	163	93	97	93	49	48
21	642	9.8	400	246	2430	1140	167	87	231	91	46	44
22	407	106	330	213	2870	1330	166	84	229	98	43	43
23	293	103	300	200	2280	826	179	79	239	91	41	39
24	222	97	250	208	1520	573	184	76	444	77	41	37
25	187	96	260	289	1180	499	205	76	906	71	41	36
26	157	97	310	2210	830	304	219	75	953	66	40	47
27	140	100	250	3700	850	443	187	74	500	62	40	44
28	129	99	200	3150	608	413	162	200	395	72	39	42
29	122	127	190	1750	519	367	146	43	361	82	38	42
30	113	1100	2500	964	---	348	124	9.0	839	79	36	40
31	107	---	4500	637	---	315	---	88	---	71	35	---
TOTAL	4878	5127.8	28317	29360	73616	32923	5678	3297.0	8733	6272	1689.7	1222
MEAN	157	171	913	947	2538	1062	189	106	291	202	54.5	40.7
MAX	891	1100	4500	3700	12200	6720	296	203	953	1090	218	70
MIN	56	9.8	190	200	192	304	124	9.0	10	62	8.8	32
CFSM	.23	.25	1.34	1.39	3.72	1.56	.28	.16	.43	.30	.08	.06
IN.	.27	.28	1.54	1.60	4.02	1.80	.31	.18	.48	.34	.09	.07

CAL YR 1975 TOTAL 253233.9 MEAN 694 MAX 10800 MIN 9.1 CFSM 1.02 IN 13.81
WTR YR 1976 TOTAL 201113.5 MEAN 549 MAX 12200 MIN 8.8 CFSM .80 IN 10.97

PEAK DISCHARGE (BASE, 5,600 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-12	0200	9.67	8,190	03-05	1400	9.15	7,340
02-17	0700	12.55	13,500				

03326500 Mississinewa River at Marion, Ind.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1					356	280	687	417	---	---	635	613
2					440	260	---	---	---	---	661	540
3					415	256	---	---	---	---	676	630
4					466	252	---	---	725	663	592	229
5					525	455	---	---	711	694	246	196
6					545	513	---	---	---	---	291	201
7					545	447	---	---	---	---	383	293
8					512	504	---	---	---	---	472	384
9					583	536	---	---	---	---	532	462
10					583	434	---	---	---	---	552	523
11					608	429	---	---	---	---	592	471
12					604	425	---	---	---	---	661	582
13					860	625	---	---	225	162	588	391
14					804	625	640	417	293	228	634	306
15					687	299	---	---	344	295	637	392
16					432	299	306	299	345	163	590	293
17					---	---	---	---	153	136	468	183
18					---	---	---	---	178	149	655	298
19					---	---	687	417	263	180	---	---
20					655	625	694	625	339	266	---	---
21					701	625	723	625	364	334	---	---
22					---	---	716	691	355	338	---	---
23					761	625	825	712	386	350	---	---
24					804	625	779	756	486	389	---	---
25					761	625	789	641	537	474	---	---
26					687	625	682	200	557	517	---	---
27					687	625	---	---	594	539	---	---
28					---	---	---	---	607	577	---	---
29					---	---	319	205	628	596	---	---
30					---	---	419	323	---	---	---	---
31					---	---	503	422	---	---	---	---
MONTH					---	---	---	---	---	---	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	673	655	---	---			---	---		
2	---	---	691	664	747	636			---	---		
3	---	---	705	668	663	606			---	---		
4	---	---	715	700	695	668			---	---		
5	---	---	720	710	687	669			---	---		
6	702	650	725	677	683	665			---	---		
7	663	654	704	654	716	683			---	---		
8	667	645	719	686	736	712			---	---		
9	663	645	690	676	747	712			---	---		
10	676	649	719	690	722	695			---	---		
11	676	641	724	667	728	696			---	---		
12	680	641	680	657	719	682			---	---		
13	680	653	680	657	692	644			---	---		
14	685	640	694	662	675	658			---	---		
15	657	631	724	695	680	667			---	---		
16	653	618	730	686	---	---			684	615		
17	635	614	705	687	---	---			615	605		
18	635	614	706	692	---	---			628	605		
19	648	627	722	693	---	---			619	605		
20	661	639	703	666	---	---			615	605		
21	679	661	690	671	---	---			633	615		
22	688	665	681	663	---	---			648	633		
23	688	660	668	655	---	---			654	648		
24	674	634	683	660	---	---			---	---		
25	665	617	697	674	---	---			---	---		
26	669	634	712	684	---	---			---	---		
27	660	638	728	703	---	---			---	---		
28	687	651	---	---	---	---			---	---		
29	701	655	---	---	---	---			---	---		
30	682	638	---	---	---	---			---	---		
31	---	---	---	---	---	---			---	---		
MONTH	702	614	730	654	---	---			---	---		

03326500 Mississinewa River at Marion, Ind.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1			---	---	7.5	5.0	1.0	0.0	0.5	0.0	11.0	9.5
2			---	---	5.0	0.0	1.0	0.0	0.5	0.0	11.5	9.5
3			---	---	4.5	0.0	0.0	0.0	0.5	0.0	13.5	11.5
4			---	---	5.0	0.0	0.5	0.0	0.5	0.5	12.5	11.0
5			---	---	6.0	0.0	0.5	0.0	0.5	0.5	12.0	11.0
6			---	---	7.0	6.0	0.5	0.0	0.5	0.0	11.0	8.0
7			---	---	6.5	0.0	0.0	0.0	0.5	0.0	8.0	7.0
8			---	---	5.0	0.0	0.0	0.0	1.0	0.5	7.5	6.5
9			---	---	4.5	0.0	0.0	0.0	1.0	0.0	8.0	6.0
10			---	---	4.5	0.0	0.0	0.0	1.5	0.5	7.5	7.0
11			---	---	4.0	0.0	0.5	0.0	0.5	0.0	8.0	6.0
12			---	---	4.0	0.0	0.5	0.0	1.0	0.0	9.5	7.0
13			---	---	6.0	0.0	0.0	0.0	3.5	1.0	9.0	7.0
14			---	---	9.0	5.5	0.5	0.0	4.0	3.0	8.5	6.0
15			---	---	11.0	5.5	0.5	0.0	5.5	3.5	9.0	6.5
16			---	---	7.5	5.5	0.5	0.0	5.5	5.0	8.5	6.0
17			---	---	6.5	0.0	---	---	6.5	5.5	7.0	5.0
18			---	---	2.0	0.0	---	---	7.5	6.5	7.5	5.5
19			10.0	8.5	0.5	0.0	0.5	0.0	7.5	6.5	---	---
20			11.0	8.0	0.5	0.5	1.0	0.5	6.5	6.0	---	---
21			7.5	5.5	0.0	0.0	0.5	0.0	7.5	6.5	---	---
22			7.0	6.0	1.0	0.0	0.5	0.5	7.5	6.0	---	---
23			7.0	5.0	0.0	0.0	1.0	0.5	6.0	5.0	---	---
24			5.5	4.5	1.0	0.0	0.5	0.5	6.5	4.5	---	---
25			5.0	4.0	0.0	0.0	1.0	0.0	8.0	6.0	---	---
26			4.0	0.5	0.5	0.0	0.5	0.0	11.0	7.5	---	---
27			2.5	1.5	0.0	0.0	0.5	0.0	10.0	8.5	---	---
28			3.5	0.0	0.5	0.0	0.5	0.0	10.5	9.0	---	---
29			4.0	0.0	1.0	0.0	0.5	0.5	11.5	9.5	---	---
30			8.0	4.0	2.0	0.0	0.5	0.0	---	---	---	---
31			---	---	2.5	0.0	0.5	0.5	---	---	---	---
MONTH			---	---	11.0	0.0	1.0	0.0	11.5	0.0	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	15.5	14.0	19.0	18.0	---	---	25.0	22.5	---	---
2	---	---	15.5	14.0	20.5	18.5	---	---	24.5	22.0	26.0	21.0
3	---	---	14.0	12.5	20.0	18.5	---	---	25.5	21.5	---	---
4	---	---	15.0	12.0	21.0	19.0	---	---	25.0	21.0	---	---
5	---	---	15.0	12.0	23.5	19.5	---	---	24.0	21.0	25.5	19.0
6	13.5	13.0	16.0	14.5	23.5	20.0	---	---	22.5	20.5	26.0	20.0
7	14.5	12.0	16.0	14.5	24.0	21.5	---	---	---	---	26.0	19.5
8	14.5	12.0	15.5	14.5	24.5	22.5	---	---	---	---	24.0	21.5
9	13.5	11.5	17.0	14.5	25.0	23.0	---	---	---	---	---	---
10	14.0	11.5	18.5	15.5	26.0	23.5	---	---	---	---	---	---
11	14.0	12.0	18.5	17.0	27.5	23.5	---	---	---	---	23.5	18.5
12	14.0	11.5	18.5	17.0	28.5	24.5	---	---	---	---	---	---
13	15.0	11.5	20.5	17.0	25.5	25.0	---	---	28.0	24.5	---	---
14	15.5	11.5	19.5	18.5	27.5	24.0	---	---	28.0	23.5	---	---
15	17.0	14.5	20.5	18.5	26.5	24.5	27.0	21.5	26.0	23.5	---	---
16	19.5	17.0	21.0	18.5	---	---	23.5	22.0	26.5	23.0	---	---
17	21.0	18.5	20.0	18.0	---	---	23.5	21.5	26.0	22.5	---	---
18	21.5	19.5	19.0	17.0	---	---	25.0	21.0	26.0	22.5	---	---
19	21.0	20.0	18.5	17.0	---	---	25.0	21.0	26.0	23.0	---	---
20	22.5	19.5	21.0	17.5	---	---	24.0	21.5	26.5	23.0	---	---
21	20.5	19.5	20.5	18.0	---	---	23.5	22.0	26.5	23.0	---	---
22	20.5	18.5	22.0	18.5	---	---	23.5	22.0	26.5	23.5	18.0	15.0
23	20.0	18.5	22.0	20.0	---	---	26.0	22.5	26.5	24.0	---	---
24	21.0	18.5	21.5	19.5	---	---	25.0	23.0	26.5	23.5	---	---
25	19.0	17.0	21.0	19.0	---	---	26.5	23.0	26.0	24.5	16.5	16.0
26	16.5	14.5	21.0	18.5	---	---	27.5	23.0	---	---	16.5	15.0
27	14.0	13.0	20.5	18.0	---	---	26.5	23.5	---	---	---	---
28	13.0	11.5	19.5	17.5	---	---	27.0	23.5	---	---	---	---
29	13.5	11.5	20.5	17.0	---	---	25.5	23.5	---	---	---	---
30	16.0	12.0	21.5	17.5	---	---	26.0	23.5	---	---	---	---
31	---	---	19.5	18.0	---	---	25.5	23.5	---	---	---	---
MONTH	22.5	11.5	22.0	12.0	---	---	---	---	---	---	---	---

03326950 Mississinewa Lake at Peoria, Ind.

LOCATION.--Lat 40°42'52", long 85°57'27", in NW¼SW¼ sec.10, T.26 N., R.5 E., Miami County, in discharge tower of reservoir on Mississinewa River at Peoria, 6.8 miles (10.9 km) southeast of Peru, and 7.3 miles (11.7 km) above mouth.

DRAINAGE AREA.--807 mi^2 (2,090 km^2).

PERIOD OF RECORD.--April 1968 to current year. Prior to September 1970, published as Mississinewa "Reservoir".

GAGE.--Water-stage recorder. Datum of gage is 700.00 ft (213.360 m) above mean sea level (levels by Corps of Engineers).

EXTREMES.--Current year: Maximum contents, 172,440 acre-ft (213 hm^3) Feb. 23, elevation, 757.80 ft (230.977 m); minimum, 23,420 acre-ft (28.9 hm^3) Dec. 11, elevation, 712.10 ft (217.048 m).
Period of record: Maximum contents, 172,440 acre-ft (213 hm^3) Feb 23, 1976, elevation, 757.80 ft (230.977 m); minimum, 22,890 acre-ft (28.2 hm^3) Dec. 11, 1974, elevation, 711.69 ft (216.923 m).

REMARKS.--Reservoir is formed by earth-fill dam. Releases normally controlled by three gates, 4.75 ft (1.45 m) wide and 16.0 ft (4.88 m) high, in semi-elliptical conduit through dam. Minimum design capacity is 23,300 acre-ft (28.7 hm^3), elevation, 712 ft (217.0 m). Seasonal pool capacity is 75,200 acre-ft (92.7 hm^3), elevation, 737 ft (224.6 m). Capacity at uncontrolled spillway elevation, 779 ft (237.4 m) is 368,400 acre-ft (454 hm^3). Reservoir is used for flood control and recreation. Reservoir put in operation on April 23, 1968.

COOPERATION.--Water-stage recorder graph and capacity tables furnished by Corps of Engineers.

Month-end elevation and contents, water year October 1975 to September 1976

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	733.38	64,480	-
Oct. 31	724.55	43,670	-20,810
Nov. 30	713.47	25,230	-18,440
Dec. 31	712.52	23,960	-1,270
Calendar year 1975	-	-	+190
Jan. 31	716.36	29,350	+5,390
Feb. 29	750.72	131,890	+102,540
Mar. 31	732.30	61,580	-70,310
Apr. 30	731.90	60,540	-1,040
May 31	734.37	67,250	+6,710
June 30	737.56	76,980	+9,730
July 31	737.18	75,760	-1,220
Aug. 31	737.12	75,570	-190
Sept. 30	736.13	72,460	-3,110
Water year 1976	-	-	+7,980

03327500 Wabash River at Peru, Ind.

LOCATION.--Lat 40°44'35", long 86°05'45", in SE¼NE¼ sec.32, T.27 N., R.4 E., Miami County, on right bank at upstream side of bridge on U.S. Highway 31, 0.5 mile (0.8 km) southwest of Peru, 4.4 miles (7.1 km) downstream from Mississinewa River, and at mile 370.5 (596.1 km).

DRAINAGE AREA.--2,686 mi² (6,956 km²).

PERIOD OF RECORD.--August 1943 to current year.

GAGE.--Water-stage recorder. Datum of gage is 617.94 ft (188.348 m) above mean sea level (levels by Corps of Engineers). Prior to June 20, 1961, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--33 years, 2,366 ft³/s (67.01 m³/s), 11.96 in/yr (304 mm/yr).

EXTREMES.--Current year: Maximum discharge, 12,800 ft³/s (362 m³/s) Mar. 2, gage height, 11.11 ft (3.386 m); minimum daily, 82 ft³/s (2.32 m³/s) Aug 23.
Period of record: Maximum discharge, 68,000 ft³/s (1,930 m³/s) May 18, 1943, gage height, 24.46 ft (7.455 m), from floodmark; minimum daily, 72 ft³/s (2.04 m³/s) Oct. 5, 1946.
Flood of Mar. 26, 1913, reached a stage of 28.1 ft (8.56 m), discharge, 115,000 ft³/s (3,260 m³/s), from rating curve extended above 63,000 ft³/s (1,780 m³/s).

REMARKS.--Records good. Flow regulated by Huntington Lake (See sta 03323450), Salamonie Lake (See sta 03324450), and Mississinewa Lake (See sta 03326950).

REVISIONS (WATER YEARS).--WSP 2109: Drainage area. WRD Ind. 1974: 1973.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1030	1010	5730	3130	4590	12400	3500	463	284	955	504	167
2	979	1100	5530	4420	3170	12000	3160	431	370	1120	378	167
3	963	1140	5450	4720	2020	7340	1910	422	1280	1490	327	159
4	991	1160	5400	3760	1390	8900	1440	403	1500	1510	266	156
5	1070	1180	2150	3350	1470	9710	1520	383	762	1110	242	151
6	1130	1140	1710	2220	1360	8100	1220	378	501	788	276	151
7	1120	1230	2080	1470	1040	7270	1050	393	549	581	359	151
8	1060	1290	2580	1660	1040	7640	886	453	457	552	339	438
9	1110	1530	2100	1370	914	9380	471	528	343	480	329	556
10	1210	1660	1750	1040	1270	9570	434	437	255	438	257	548
11	1220	1760	1470	1050	5860	9870	419	400	250	458	241	547
12	1070	2230	1340	1130	7040	9100	419	352	249	776	232	408
13	945	1810	1360	1240	8880	9570	424	328	237	835	227	218
14	931	1640	1690	1400	8240	9730	450	320	229	618	239	211
15	934	1360	6420	1950	7570	9090	456	320	230	497	308	229
16	940	1280	7200	4110	8080	9340	410	315	234	378	363	308
17	963	1210	6240	4030	10100	8350	395	309	240	375	286	457
18	1010	1200	5810	1900	7680	9200	385	304	248	404	246	913
19	1070	1140	7280	1620	6840	9260	375	297	295	396	236	1280
20	1300	1110	7810	1200	7050	9220	376	275	224	372	226	1030
21	2480	1100	8670	1130	6520	9070	371	257	118	369	112	626
22	3120	1090	6860	1090	8820	8860	374	242	87	374	84	564
23	2500	1100	3500	928	9070	8820	373	232	84	360	82	535
24	1980	1060	1780	907	10300	8350	386	229	559	345	204	518
25	1700	993	1570	914	11000	6470	499	228	2450	343	197	507
26	1510	1050	1420	1830	11800	4720	1350	224	3760	311	186	504
27	1320	1120	1250	4860	11700	2140	1150	224	1990	310	189	550
28	1310	1130	1140	7590	11900	2340	742	220	1400	302	189	624
29	1250	1200	1040	6620	12700	2320	577	244	1200	502	187	620
30	1100	2570	1120	6400	---	2970	500	592	959	694	169	556
31	1000	---	1680	6320	---	3630	---	486	---	605	167	---
TOTAL	40316	39593	111130	85359	189414	244730	26022	10689	21344	18648	7647	13849
MEAN	1301	1320	3585	2754	6532	7895	867	345	711	602	247	462
MAX	3120	2570	8670	7590	12700	12400	3500	592	3760	1510	504	1280
MIN	931	993	1040	907	914	2140	371	220	84	302	82	151
CFSM	.48	.49	1.33	1.03	2.43	2.94	.32	.13	.26	.22	.09	.17
IN.	.56	.55	1.54	1.18	2.62	3.39	.36	.15	.30	.26	.11	.19

CAL YR 1975 TOTAL 944724 MEAN 2588 MAX 11600 MIN 266 CFSM .96 IN 13.08
WTR YR 1976 TOTAL 808741 MEAN 2210 MAX 12700 MIN 82 CFSM .82 IN 11.20

03327520 Pipe Creek near Bunker Hill, Ind.

LOCATION.--Lat 40°40'06", long 86°05'44", in NE¼SE¼ sec.29, T.26 N., R.4 E., Miami County, on right bank 150 ft (46 m) downstream from bridge on County Road 125 West, 0.5 mile (0.8 km) northeast of Bunker Hill, and at mile 11.4 (18.3 km).

DRAINAGE AREA.--159 mi^2 (412 km^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 (224.333 m) above mean sea level.

AVERAGE DISCHARGE.--8 years, 148 ft^3/s (4.184 m^3/s), 12.62 in/yr (321 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,040 ft^3/s (57.7 m^3/s) Feb. 17, gage height, 10.85 ft (3.179 m); minimum daily, 6.1 ft^3/s (0.17 m^3/s) Sept. 24.
Period of record: Maximum discharge, 3,960 ft^3/s (112 m^3/s) Jan. 21, 1974, gage height, 14.93 ft (4.551 m); minimum daily, 4.0 ft^3/s (0.11 m^3/s) Aug. 31, 1971.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	19	420	170	107	149	83	43	154	422	24	13
2	17	19	224	129	70	139	78	42	188	249	22	13
3	16	19	138	136	77	193	70	39	145	158	21	12
4	15	19	98	103	66	919	66	35	88	109	19	12
5	15	18	87	93	57	1430	62	32	63	83	19	12
6	14	17	103	85	51	964	58	33	50	67	30	11
7	14	22	154	82	47	497	56	40	43	61	25	11
8	17	29	126	74	43	354	52	32	40	53	21	10
9	32	25	106	70	46	280	48	30	37	45	19	10
10	26	24	89	67	413	227	47	29	34	39	17	13
11	21	24	77	65	1450	198	48	28	31	89	15	12
12	19	23	68	65	1200	187	45	28	29	716	14	9.8
13	18	22	84	79	1250	181	43	27	29	456	55	9.2
14	17	20	100	155	914	141	43	29	53	223	827	8.2
15	16	18	889	144	658	122	44	30	36	186	144	9.6
16	18	18	828	122	1200	120	43	30	321	369	72	9.3
17	16	17	444	80	1970	113	42	28	199	173	45	8.9
18	17	15	272	60	1920	109	40	27	104	97	34	8.4
19	23	15	189	58	1540	120	39	25	206	69	28	7.8
20	25	17	150	60	714	117	39	24	95	56	25	8.3
21	22	19	111	58	873	111	42	23	61	48	22	9.3
22	21	19	91	56	1260	91	42	22	50	44	20	8.4
23	22	15	82	53	738	80	42	22	198	42	19	7.3
24	19	14	72	58	484	81	50	22	656	37	17	6.1
25	25	15	68	78	387	86	64	22	692	33	16	6.9
26	35	14	72	580	312	81	79	22	333	28	16	7.7
27	28	16	64	590	254	105	66	22	195	27	16	9.0
28	24	16	56	365	215	115	54	21	238	27	15	8.1
29	22	29	51	298	181	107	47	23	305	51	14	6.9
30	20	343	86	204	---	104	45	24	332	29	13	6.5
31	19	---	203	146	---	89	---	29	---	26	13	---
TOTAL	631	900	5602	4383	18497	7610	1577	883	5005	4112	1657	284.7
MEAN	20.4	30.0	181	141	638	245	52.6	28.5	167	133	53.5	9.49
MAX	35	343	889	590	1970	1430	83	43	692	716	827	13
MIN	14	14	51	53	43	80	39	21	29	26	13	6.1
CFSM	.13	.19	1.14	.89	4.01	1.54	.33	.18	1.05	.84	.34	.06
IN.	.15	.21	1.31	1.03	4.33	1.78	.37	.21	1.17	.96	.39	.07

CAL YR 1975 TOTAL 49920.0 MEAN 137 MAX 1850 MIN 11 CFSM .86 IN 11.68
WTR YR 1976 TOTAL 51141.7 MEAN 140 MAX 1970 MIN 6.1 CFSM .88 IN 11.97

PEAK DISCHARGE (BASE, 1,000 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-15	1400	7.83	1,060	02-22	0500	8.89	1,380
02-11	1900	9.29	1,510	03-05	0800	9.41	1,550
02-17	2400	10.85	2,040	08-14	0500	8.77	1,340

03328000 Eel River at North Manchester, Ind.

LOCATION.--Lat 40°59'55", long 85°45'50", in NE¼NE¼ sec.5, T.29 N., R.7 E., Wabash County, on right bank 200 ft (61 m) downstream from Main Street bridge in North Manchester, 1.3 miles (2.1 km) upstream from Pony Creek, and at mile 52.7 (84.8 km). Records include flow of Pony Creek.

DRAINAGE AREA.--417 mi^2 (1,080 km^2), 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 in the district office.

GAGE.--Water-stage recorder. Datum of gage is 738.00 ft (224.942 m) above mean sea level. Prior to July 24, 1953, nonrecording gage on downstream side of Second Street bridge, 700 ft (213 m) upstream at same datum.

AVERAGE DISCHARGE.--47 years, 353 ft^3/s (9.997 m^3/s), 11.50 in/yr (292 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,830 ft^3/s (108 m^3/s) Feb. 17, gage height, 10.30 ft (3.139 m); minimum daily, 55 ft^3/s (1.56 m^3/s) Aug. 30.
Period of record: Maximum discharge, 7,940 ft^3/s (225 m^3/s) Dec. 22, 1967, gage height, 13.55 ft (4.130 m); maximum gage height, 14.00 ft (4.267 m) Feb. 27, 1936; minimum daily discharge, 16 ft^3/s (0.45 m^3/s) Oct. 19, 1956.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1275: 1930-37, 1939, 1940(M), 1942, 1948. WSP 1909: 1957. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	111	1770	280	177	623	370	271	215	147	149	61
2	100	114	934	240	168	620	361	251	246	135	117	62
3	103	115	531	220	165	746	338	235	191	127	103	59
4	96	114	397	210	162	1210	317	218	158	120	96	59
5	88	111	339	220	159	2060	298	206	141	116	93	59
6	88	111	361	260	159	1970	284	201	130	122	108	58
7	88	119	461	220	195	1470	269	242	126	216	150	56
8	90	140	370	211	162	914	253	233	127	144	124	56
9	109	152	324	200	153	699	242	211	122	121	104	62
10	110	153	304	196	190	599	235	196	117	113	95	76
11	99	170	280	203	2120	549	231	187	113	109	86	65
12	101	155	267	219	2240	520	221	176	111	111	82	62
13	94	144	263	203	2860	921	216	170	107	104	82	59
14	84	134	269	190	2880	745	213	170	105	101	93	59
15	99	127	1740	180	2420	582	210	176	104	98	144	59
16	94	123	2200	175	2680	506	207	190	108	125	107	65
17	90	121	1630	174	3650	478	200	271	107	104	93	63
18	94	119	868	176	3250	437	194	272	103	97	91	62
19	108	114	532	177	2890	418	189	212	137	95	74	59
20	117	117	396	172	2380	396	186	187	133	94	64	59
21	115	136	323	171	2460	397	181	173	123	101	60	61
22	111	134	272	169	3070	366	179	161	127	133	58	59
23	105	125	257	168	2630	339	174	153	202	152	60	59
24	103	120	235	167	2120	325	180	147	261	122	64	59
25	109	120	223	181	1720	404	412	145	780	103	60	59
26	115	119	221	398	1200	475	901	149	468	96	58	73
27	127	123	218	514	922	501	641	149	270	94	60	79
28	124	123	208	321	775	691	433	140	206	113	58	70
29	117	224	195	246	673	541	352	145	174	198	56	65
30	114	1550	211	210	---	467	303	146	158	216	55	63
31	114	---	315	190	---	406	---	168	---	161	58	---
TOTAL	3211	5338	16914	6861	44630	21375	8790	5951	5470	3888	2702	1867
MEAN	104	178	546	221	1539	690	293	192	182	125	87.2	62.2
MAX	127	1550	2200	514	3650	2060	901	272	780	216	150	79
MIN	84	111	195	167	153	325	174	140	103	94	55	56
CFSM	.25	.43	1.31	.53	3.69	1.65	.70	.46	.44	.30	.21	.15
IN.	.29	.48	1.51	.61	3.98	1.91	.78	.53	.49	.35	.24	.17

CAL YR 1975 TOTAL 159154 MEAN 436 MAX 2930 MIN 84 CFSM 1.05 IN 14.20
WTR YR 1976 TOTAL 126997 MEAN 347 MAX 3650 MIN 55 CFSM .83 IN 11.33

PEAK DISCHARGE (BASE, 2,200 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-15	2000	7.91	2,550	02-22	0900	9.05	3,110
02-14	0100	9.07	3,120	03-05	1900	7.40	2,280
02-17	1300	10.30	3,830				

03328430 Weesau Creek near Deedsville, Ind.

LOCATION.--Lat 40°54'34", long 86°07'36", in NW¼NW¼ sec.6, T.28 N., R.4 E., Miami County, on left bank 100 ft (30 m) downstream from bridge on County Road 1000 North, and 1.5 miles (2.4 km) west of Deedsville.

DRAINAGE AREA.--8.87 mi^2 (22.97 km^2).

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

GAGE.--Water-stage recorder. Datum of gage is 785.00 ft (239.268 m) above mean sea level.

AVERAGE DISCHARGE.--6 years, 9.96 ft^3/s (0.282 m^3/s), 15.24 in/yr (387 mm/yr).

EXTREMES.--Current year: Maximum discharge, 206 ft^3/s (5.83 m^3/s) Feb. 10, gage height, 5.11 ft (1.558 m); minimum daily, 0.55 ft^3/s (0.016 m^3/s) Sept. 6-8.
Period of record: Maximum discharge, 283 ft^3/s (8.01 m^3/s) Feb. 4, 1971, gage height, 5.83 ft (1.777 m); minimum daily, 0.49 ft^3/s (0.014 m^3/s) Sept. 18-22, 24, 25, 1974.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	7.3	44	11	3.7	9.6	11	5.9	7.2	1.3	1.4	.62
2	2.9	6.7	22	9.0	3.3	9.6	11	5.5	4.6	1.2	1.3	.59
3	2.9	5.9	15	7.4	3.0	10	10	5.3	2.8	1.0	1.2	.56
4	2.6	4.9	13	6.2	3.1	21	9.4	4.9	2.4	.97	1.2	.56
5	2.5	4.2	12	5.5	2.8	60	8.6	4.7	2.3	.95	1.1	.56
6	2.3	3.8	16	5.3	2.6	28	7.9	5.1	2.3	1.4	1.5	.55
7	2.3	11	14	5.1	2.5	17	7.3	5.4	2.2	1.3	1.3	.55
8	2.8	11	11	4.7	2.6	13	6.6	4.8	2.0	1.0	1.1	.55
9	4.2	6.4	10	4.8	2.7	12	6.0	4.9	1.9	.90	1.0	1.7
10	3.6	31	9.6	4.5	63	11	5.8	4.5	1.8	.85	.92	1.1
11	2.9	20	8.6	4.5	117	12	6.1	4.3	1.8	7.3	.90	.76
12	2.6	10	8.3	4.3	83	16	5.5	4.2	1.7	14	.96	.66
13	2.4	6.5	8.0	4.5	95	24	5.5	4.2	1.7	5.5	1.0	.61
14	2.2	4.8	8.4	4.6	58	16	5.6	4.2	1.7	3.5	1.1	.65
15	2.1	4.2	95	4.3	50	15	5.1	4.2	1.7	3.5	.94	.90
16	1.9	3.8	46	4.0	88	15	5.0	3.9	1.7	4.5	.85	.76
17	2.1	3.3	23	3.8	107	15	5.1	3.4	1.6	3.0	.85	.66
18	2.7	3.1	13	3.6	56	13	5.1	3.1	1.7	2.4	.80	.63
19	6.6	3.1	10	3.4	35	12	5.4	3.0	1.9	2.1	.82	.64
20	7.5	4.1	9.1	3.4	21	11	5.4	2.8	1.6	1.9	.79	.70
21	4.8	5.3	7.5	3.3	68	16	5.3	2.8	1.6	17	.79	.64
22	4.0	5.9	6.5	3.3	60	14	5.3	2.8	1.6	6.4	.75	.60
23	3.6	4.9	5.9	3.4	30	12	5.0	2.9	1.6	3.6	.73	.56
24	3.2	4.3	5.7	3.7	20	12	5.3	2.9	6.4	2.5	.70	.56
25	12	4.0	5.7	4.2	17	29	11	2.9	8.9	2.0	.75	.57
26	13	3.7	6.0	12	16	19	14	3.1	3.6	1.7	.75	1.0
27	10	4.0	5.8	11	14	44	10	3.2	2.0	1.6	.70	.92
28	8.6	3.5	5.7	6.8	11	30	8.1	3.0	2.0	1.8	.65	.74
29	7.6	37	5.6	5.0	10	19	6.9	3.2	1.7	2.9	.64	.64
30	6.3	86	8.0	4.4	---	15	6.2	5.5	1.6	2.1	.62	.63
31	6.1	---	13	4.0	---	12	---	13	---	1.7	.61	---
TOTAL	141.4	313.7	471.4	165.0	1045.3	562.2	214.5	133.6	77.6	101.87	28.72	21.17
MEAN	4.56	10.5	15.2	5.32	36.0	18.1	7.15	4.31	2.59	3.29	.93	.71
MAX	13	86	95	12	117	60	14	13	8.9	17	1.5	1.7
MIN	1.9	3.1	5.6	3.3	2.5	9.6	5.0	2.8	1.6	.85	.61	.55
CFSM	.51	1.18	1.71	.60	4.06	2.04	.81	.49	.29	.37	.10	.08
IN.	.59	1.32	1.98	.69	4.38	2.36	.90	.56	.33	.43	.12	.09

CAL YR 1975 TOTAL 4843.60 MEAN 13.3 MAX 131 MIN 1.9 CFSM 1.50 IN 20.31
WTR YR 1976 TOTAL 3276.46 MEAN 8.95 MAX 117 MIN .55 CFSM 1.01 IN 13.74

PEAK DISCHARGE (BASE, 60 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-29	1700	3.56	77	02-16	2200	4.94	189
11-30	1100	4.17	121	02-21	1000	3.92	102
12-15	0600	4.21	124	03-05	0600	3.56	80
02-10	2100	5.11	206	03-27	1600	3.31	65
02-13	1600	3.92	102				

03328500 Eel River near Logansport, Ind.

LOCATION.--Lat 40°46'55", long 86°15'50", in NE¼SE¼ sec.14, T.27 N., R.2 E., Cass County, on right bank at downstream side of bridge on Adamsboro Road, 5.5 miles (8.8 km) northeast of Logansport, and 7.4 miles (11.9 km) upstream from mouth.

DRAINAGE AREA.--789 mi^2 (2,044 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: July 1943 to current year. Monthly discharge only for some periods, published in WSP 1305.
WATER TEMPERATURE: October 1969 to current year.
SEDIMENT DISCHARGE: August 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 621.50 ft (189.433 m) above mean sea level. Prior to Aug. 16, 1956, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--33 years, 729 ft^3/s (20.65 m^3/s), 12.55 in/yr (319 mm/yr).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	281	278	3850	905	443	1180	905	600	442	367	313	151
2	279	282	2420	770	418	1150	856	554	431	332	290	158
3	267	294	1460	650	406	1290	801	518	447	304	253	152
4	266	291	1070	556	396	1850	755	486	381	284	226	150
5	258	283	888	427	388	3900	704	455	339	278	221	147
6	249	275	856	582	394	3850	662	451	314	283	230	145
7	242	292	1150	525	405	2750	634	469	300	339	258	144
8	256	319	1010	482	392	2010	599	493	290	489	286	145
9	308	344	856	450	378	1520	566	463	283	363	264	166
10	315	391	778	444	469	1320	546	433	276	295	231	170
11	299	465	718	448	3700	1240	540	412	269	289	209	168
12	278	428	668	468	5120	1180	508	397	267	550	205	163
13	268	372	648	465	5710	1430	489	384	264	350	204	155
14	262	340	655	454	5920	1520	483	388	259	275	210	150
15	248	314	2640	442	4650	1260	477	396	250	289	213	158
16	252	299	4870	428	4970	1130	471	404	258	388	235	162
17	251	288	3280	422	6760	1070	459	413	251	328	228	160
18	251	278	2150	426	6650	1010	442	482	242	264	197	159
19	273	270	1380	430	5280	973	432	466	256	234	191	158
20	293	272	1070	424	4020	938	428	404	262	217	185	157
21	302	294	840	418	4200	981	442	374	262	288	181	154
22	298	315	726	410	5680	913	440	352	249	346	177	155
23	288	310	634	404	4970	824	430	337	258	311	175	151
24	279	292	586	398	3620	778	444	326	557	313	175	149
25	296	284	552	415	2860	973	614	319	1370	276	172	149
26	311	281	559	718	2270	1120	1260	314	1370	238	170	165
27	314	290	533	988	1770	1240	1310	311	851	218	163	175
28	310	285	508	836	1480	1550	968	309	600	216	166	180
29	299	346	483	586	1310	1350	768	312	484	295	161	173
30	284	2150	514	518	---	1150	667	332	416	415	155	164
31	274	---	770	472	---	1010	---	410	---	407	150	---
TOTAL	8651	11222	39122	16361	85029	44460	19100	12764	12498	9841	6494	4733
MEAN	279	374	1262	528	2932	1434	637	412	417	317	209	158
MAX	315	2150	4870	988	6760	3900	1310	600	1370	550	313	180
MIN	242	270	483	398	378	778	428	309	242	216	150	144
CFSM	.35	.47	1.60	.67	3.72	1.82	.81	.52	.53	.40	.26	.20
IN.	.41	.53	1.84	.77	4.01	2.10	.90	.60	.59	.46	.31	.22

CAL YR 1975 TOTAL 336049 MEAN 921 MAX 6570 MIN 237 CFSM 1.17 IN 15.84
WTR YR 1976 TOTAL 270275 MEAN 738 MAX 6760 MIN 144 CFSM .94 IN 12.74

PEAK DISCHARGE (BASE, 5,000 FT^3/S).--Dec. 16 (0700) 5,260 ft^3/s (7.84 ft); Feb. 17 (2300) 7,060 ft^3/s (8.84 ft).

03328500 Eel River near Logansport, Ind.--Continued

EXTREMES.--WATER DISCHARGE, Current year: Maximum discharge, 7,060 ft^3/s (200 m^3/s) Feb. 17, gage height, 8.84 ft (2.694 m); minimum daily, 144 ft^3/s (4.08 m^3/s) Sept. 7.
Period of record: Maximum discharge, 14,200 ft^3/s (402 m^3/s) Dec. 9, 1966, gage height, 12.20 ft (3.719 m); minimum daily, 70 ft^3/s (1.98 m^3/s) Mar. 15, 1960, result of freezeup.
Flood of May 18, 1943, reached a stage of 13.2 ft (4.02 m), from floodmark, discharge, 17,000 ft^3/s (481 m^3/s).

WATER TEMPERATURE, Current year: Maximum temperature, 28.0°C July 10, 24-28; minimum, 1.0°C January and February.
Period of record: Maximum temperature, 30.0°C June 29, 1971; minimum, freezing point on many days during winter periods.

SEDIMENT CONCENTRATION, Current year: Maximum daily concentration, 842 mg/L Dec. 15; minimum daily, 14 mg/L Nov. 4-6.
Period of record: Maximum daily concentration, 1,790 mg/L June 15, 1975; minimum daily, 12 mg/L Feb. 16, 1974.

SEDIMENT DISCHARGE, Current year: Maximum daily load, 5,110 tons (4,640 tonnes) Feb. 17; minimum daily, 0.68 tons (0.62 tonnes) Nov. 6.
Period of record: Maximum daily load, 26,400 tons (23,900 tonnes) June 15, 1975; minimum daily, 0.68 tons (0.62 tonnes) Nov. 6, 1975.

REMARKS.--Records good.

REVISIONS.--WSP 2109: Drainage area.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	4.0	4.0	---	10.0	11.0	16.0	---	---	25.0	---
2	19.0	14.0	4.0	5.0	1.0	10.0	11.0	---	20.0	24.0	---	23.0
3	---	---	5.0	3.0	---	11.0	15.0	12.0	---	---	25.0	26.0
4	15.0	14.0	6.0	1.0	1.0	10.0	12.0	---	23.0	25.0	---	22.0
5	---	---	8.0	---	---	9.0	14.0	17.0	---	---	25.0	---
6	16.0	---	8.0	2.0	1.0	8.0	13.0	---	24.0	25.0	---	23.0
7	---	16.0	6.0	2.0	---	7.0	15.0	14.0	---	---	22.0	---
8	---	---	6.0	1.0	1.0	5.0	12.0	---	26.0	25.0	---	22.0
9	15.0	17.0	5.0	---	---	7.0	11.0	18.0	---	---	25.0	---
10	---	---	4.0	2.0	2.0	7.0	---	---	25.0	28.0	---	18.0
11	16.0	13.0	5.0	2.0	1.0	7.0	---	18.0	---	---	23.0	---
12	---	---	5.0	2.0	1.0	8.0	---	---	27.0	26.0	---	20.0
13	16.0	9.0	7.0	---	3.0	7.0	---	16.0	---	---	26.0	---
14	---	---	10.0	---	3.0	7.0	15.0	---	27.0	27.0	---	22.0
15	17.0	8.0	10.0	1.0	5.0	8.0	---	20.0	---	---	25.0	---
16	---	---	7.0	---	5.0	7.0	---	---	25.0	25.0	---	20.0
17	---	10.0	5.0	1.0	6.0	4.0	---	18.0	---	---	25.0	---
18	11.0	---	2.0	---	5.0	6.0	21.0	---	25.0	25.0	---	21.0
19	---	10.0	1.0	1.0	7.0	9.0	---	20.0	---	---	25.0	---
20	13.0	---	1.0	---	6.0	13.0	21.0	---	24.0	26.0	---	19.0
21	---	7.0	2.0	1.0	8.0	13.0	---	21.0	---	---	26.0	---
22	14.0	---	2.0	---	7.0	10.0	16.0	---	22.0	24.0	---	18.0
23	---	6.0	2.0	2.0	6.0	10.0	---	20.0	---	---	25.0	---
24	18.0	---	2.0	---	5.0	12.0	19.0	---	19.0	28.0	---	18.0
25	---	4.0	---	1.0	8.0	14.0	15.0	18.0	20.0	---	24.0	---
26	14.0	---	2.0	---	9.0	16.0	13.0	---	23.0	28.0	---	16.0
27	---	5.0	3.0	1.0	10.0	13.0	11.0	21.0	25.0	---	27.0	---
28	13.0	---	---	1.0	10.0	12.0	10.0	---	23.0	28.0	---	15.0
29	---	6.0	---	1.0	10.0	11.0	13.0	18.0	---	---	23.0	---
30	10.0	---	4.0	1.0	---	13.0	15.0	---	22.0	25.0	---	20.0
31	10.0	---	4.0	1.0	---	12.0	---	20.0	---	24.0	23.0	---
MONTH	---	---	4.5	---	5.0	9.5	---	---	---	---	---	---

03328500 Eel River near Logansport, Ind.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	281	40	1.4	278	15	.77	3850	66	84
2	279	40	1.4	282	15	.77	2420	283	157
3	267	39	1.3	294	15	.77	1460	107	36
4	266	39	1.3	291	14	.72	1070	58	14
5	258	40	1.2	283	14	.72	888	48	10
6	249	42	1.2	275	14	.68	856	43	9.4
7	242	41	1.2	292	27	1.4	1150	56	16
8	256	42	1.5	319	37	1.9	1010	36	8.7
9	308	32	1.2	344	43	2.2	856	37	8.1
10	315	39	1.5	391	65	3.7	778	37	7.4
11	299	42	1.7	465	130	7.7	718	36	6.6
12	278	38	1.4	428	110	6.2	668	35	6.0
13	268	35	1.2	372	86	4.6	648	34	5.5
14	262	32	1.0	340	69	3.5	655	33	5.3
15	248	30	.97	314	57	2.8	2640	842	1350
16	252	28	.98	299	47	2.2	4870	759	1150
17	251	25	.94	288	36	1.7	3280	327	260
18	251	24	.91	278	27	1.2	2150	176	85
19	273	23	.93	270	22	.95	1380	116	47
20	293	23	1.1	272	20	.92	1070	75	22
21	302	25	1.3	294	25	1.2	840	57	12
22	298	24	1.3	315	32	1.7	726	50	9.6
23	288	24	1.4	310	35	1.8	634	47	8.0
24	279	23	1.2	292	37	1.7	586	45	7.0
25	296	26	1.5	284	38	1.7	552	40	5.9
26	311	16	.91	281	38	1.7	559	34	4.9
27	314	18	1.1	290	38	1.9	533	27	3.7
28	310	19	1.2	285	38	1.9	508	24	3.2
29	299	18	1.1	346	59	3.2	483	26	3.2
30	284	16	.91	2150	370	364	514	34	7.3
31	274	15	.85	---	---	---	770	39	27
TOTAL	8651	---	37.10	11222	---	426.20	39122	---	3379.8

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	905	27	13	443	37	6.1	1180	62	17
2	770	17	6.0	418	44	6.5	1150	70	18
3	650	15	6.7	406	42	6.0	1290	79	20
4	556	18	5.5	396	39	5.3	1850	168	830
5	427	25	4.3	388	38	16	3900	377	1520
6	582	33	4.9	394	49	43	3850	313	519
7	525	40	5.7	405	59	23	2750	158	153
8	482	47	6.5	392	54	15	2010	88	60
9	450	50	9.3	378	52	42	1520	56	30
10	444	54	7.4	469	125	584	1320	52	23
11	448	86	11	3700	337	1220	1240	51	22
12	468	97	12	5120	397	457	1180	51	23
13	465	76	24	5710	413	350	1430	175	80
14	454	71	60	5920	312	220	1520	353	127
15	442	70	35	4650	177	88	1260	184	57
16	428	69	21	4970	217	385	1130	162	52
17	422	68	15	6760	550	5110	1070	113	36
18	426	68	12	6650	463	1220	1010	72	22
19	430	67	11	5280	271	389	973	67	22
20	424	66	9.3	4020	177	179	938	67	21
21	418	65	8.6	4200	290	622	981	123	65
22	410	65	7.7	5680	491	1220	913	77	30
23	404	64	7.4	4970	324	384	824	55	17
24	398	62	9.5	3620	179	146	778	52	14
25	415	60	78	2860	132	84	973	98	25
26	718	68	193	2270	101	50	1120	98	24
27	988	117	82	1770	82	34	1240	109	31
28	836	68	27	1480	70	24	1550	120	35
29	586	26	6.7	1310	64	18	1350	85	22
30	518	28	6.0	---	---	---	1150	68	17
31	472	35	6.5	---	---	---	1010	61	13
TOTAL	16361	---	712.0	85029	---	12946.9	44460	---	3945

03328500 Eel River near Logansport, Ind.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	905	56	12	600	60	4.1	442	104	23
2	856	53	10	554	48	3.2	431	132	63
3	801	59	11	514	43	2.8	447	161	40
4	755	61	10	486	40	2.5	361	110	17
5	704	60	9.6	455	38	2.2	339	97	11
6	662	55	8.3	451	38	2.2	314	89	8.4
7	634	52	7.6	469	37	2.5	300	82	6.6
8	599	48	6.5	493	36	2.1	290	77	5.6
9	566	45	5.7	463	35	1.9	283	72	4.9
10	546	44	5.5	433	34	1.7	276	67	4.0
11	540	44	5.5	412	33	1.6	269	63	3.4
12	508	45	5.3	397	32	1.5	267	59	2.9
13	489	48	5.4	384	31	1.4	264	56	2.4
14	483	50	5.5	388	36	1.8	259	52	2.1
15	477	48	5.2	396	44	2.4	250	50	1.8
16	471	48	4.9	404	48	2.7	258	48	1.6
17	459	46	4.5	413	50	2.7	251	46	1.5
18	442	45	4.1	482	79	4.5	242	44	1.3
19	432	43	3.8	466	76	4.3	256	43	1.4
20	428	41	3.9	404	62	3.0	262	43	1.3
21	442	40	4.3	374	55	2.5	262	54	1.6
22	440	38	4.1	352	52	2.2	249	49	1.6
23	430	37	3.4	337	51	1.9	258	45	1.5
24	444	37	3.1	326	50	1.9	557	146	7.1
25	614	76	7.0	319	48	1.7	1370	197	15
26	1260	141	13	314	46	1.4	1370	157	14
27	1310	118	9.6	311	45	1.3	851	111	8.1
28	968	83	6.3	309	44	1.5	600	65	94
29	768	72	5.2	312	43	1.7	484	57	79
30	667	65	4.6	332	46	2.2	416	55	229
31	---	---	---	410	78	9.5	---	---	---
TOTAL	19100	---	194.9	12764	---	78.9	12498	---	654.1

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	367	54	86	313	38	5.3	151	69	1.8
2	332	53	40	290	113	9.5	158	88	2.3
3	304	51	34	253	88	5.5	152	78	1.9
4	284	50	20	226	78	4.2	150	75	1.7
5	278	50	14	221	80	3.9	147	73	1.7
6	283	55	11	230	95	161	145	71	1.5
7	339	91	103	258	103	78	144	69	1.3
8	489	96	30	286	142	36	145	70	1.3
9	363	76	15	264	139	21	166	90	2.3
10	295	63	9.0	231	118	13	170	96	2.6
11	289	77	8.9	209	107	9.5	168	91	2.0
12	550	180	18	205	102	7.4	163	87	1.8
13	350	102	9.4	204	100	6.8	155	86	1.6
14	275	67	5.2	210	103	117	150	84	1.5
15	289	71	5.2	213	114	54	158	86	1.5
16	388	133	9.3	235	123	25	162	87	1.4
17	328	96	6.2	228	118	14	160	84	1.3
18	264	77	4.4	197	103	9.2	159	80	1.3
19	234	64	3.1	191	97	7.1	158	77	1.2
20	217	58	2.5	185	93	5.8	157	73	1.2
21	288	107	4.6	181	91	4.9	154	68	1.1
22	346	107	16	177	90	4.4	155	64	1.0
23	311	82	15	175	89	3.8	151	60	.94
24	313	73	7.3	175	89	3.6	149	57	.77
25	276	57	4.0	172	94	3.6	149	53	.72
26	238	47	2.5	170	92	3.5	165	56	.82
27	218	39	7.2	163	89	3.4	175	59	.92
28	216	33	4.5	166	95	3.1	180	62	.97
29	295	85	21	161	81	2.6	173	49	.83
30	415	188	26	155	73	2.0	164	43	.78
31	407	135	54	150	69	1.9	---	---	---
TOTAL	9841	---	596.3	6494	---	630.0	4733	---	42.05
YEAR	270275		23643.25						

03329000 Wabash River at Logansport, Ind.

LOCATION.--Lat 40°44'47", long 86°22'39", in SW¼NE¼ sec.35, T.27 N., R.1 E., Cass County, on left bank 150 ft (46 m) downstream from Cicott Street bridge in Logansport, 1,000 ft (305 m) downstream from Eel River, and at mile 353.7 (569.1 km).

DRAINAGE AREA.--3,779 mi^2 (9,788 km^2).

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.

GAGE.--Water-stage recorder. Datum of gage is 573.28 ft (174.736 m) above mean sea level (levels by Corps of Engineers). See WSP 1705 for history of changes prior to Oct. 1, 1927.

AVERAGE DISCHARGE.--53 years (1923 to current year), 3,297 ft^3/s (93.4 m^3/s), 11.85 in/yr (301 mm/yr).

EXTREMES.--Current year: Maximum discharge, 22,300 ft^3/s (632 m^3/s) Feb. 17, gage height, 10.44 ft (3.182 m); minimum daily, 294 ft^3/s (8.33 m^3/s) Sept. 7.
Period of record: Maximum discharge, 89,800 ft^3/s (2,540 m^3/s) May 18, 1943, gage height, 21.32 ft (6.500 m); minimum daily, 135 ft^3/s (3.82 m^3/s) Sept. 26, 1941.
Maximum stage known, 25.3 ft (7.711 m) Mar. 26, 1913, from floodmarks, discharge, 140,000 ft^3/s (3,960 m^3/s).

REMARKS.--Records good. Flow partially regulated by Huntington Lake (See sta 03323450), Salamonie Lake (See sta 03324450), and Mississinewa Lake (See sta 03326950).

REVISIONS (WATER YEARS).--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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1430	1280	9940	3980	5570	14300	4470	1110	860	2140	864	348
2	1390	1310	8570	5410	3930	14200	4240	1040	936	1910	715	347
3	1330	1370	6940	5810	2550	9500	2910	988	1460	2190	598	327
4	1310	1400	7390	4800	1930	11700	2260	934	1930	2290	540	315
5	1340	1440	3520	3870	1880	16000	2310	881	1440	1880	496	304
6	1380	1410	2750	2970	1740	14000	1950	885	861	1500	550	298
7	1410	1430	3150	2280	1320	11200	1710	915	875	1290	596	294
8	1400	1490	3710	2080	1550	10300	1600	926	798	1330	630	339
9	1470	1580	3230	1520	1370	11600	1180	1020	703	1200	640	762
10	1520	2090	2700	1330	1850	11600	1020	916	590	1080	612	755
11	1570	2260	2360	1630	11400	11800	1000	844	529	1010	555	714
12	1460	2780	2080	1860	14500	10900	969	785	530	2340	506	704
13	1340	2440	2070	1860	17300	11500	950	739	520	2250	480	491
14	1300	2150	2280	2230	16500	11800	970	746	514	1580	618	393
15	1280	1760	9040	2540	14000	10800	978	756	509	1270	768	400
16	1240	1650	13800	4430	15000	11100	944	753	601	1290	646	422
17	1250	1540	10700	5380	20900	9750	888	754	777	1270	636	468
18	1260	1550	8440	3090	17700	10600	861	791	637	1090	542	764
19	1320	1480	9020	2250	14900	10600	843	789	754	967	489	1260
20	1390	1450	9140	1850	12800	10500	839	708	788	916	471	1240
21	1950	1470	10000	1530	12200	10500	862	659	692	877	438	933
22	3340	1480	8310	1560	16800	10200	861	617	576	930	402	746
23	3270	1470	5250	1510	15500	9980	846	586	626	962	396	719
24	2480	1460	2560	1470	15200	9690	890	566	1870	957	392	700
25	2160	1350	2340	1490	14800	7840	1090	556	4310	942	384	687
26	1890	1400	2120	2300	15100	6600	2290	548	6310	852	386	699
27	1730	1480	1940	5710	14300	3640	2710	549	3780	764	383	727
28	1630	1490	1720	9870	14100	3950	1840	541	2770	759	383	765
29	1600	1630	1620	8470	14600	3680	1420	554	2490	953	381	801
30	1440	4670	1690	7620	---	4040	1220	765	2030	1050	373	803
31	1320	---	2450	7500	---	4730	---	1010	---	1020	359	---
TOTAL	50200	51760	160830	110200	311290	308600	46921	24231	42066	40859	16229	18525
MEAN	1619	1725	5188	3555	10730	9955	1564	782	1402	1318	524	618
MAX	3340	4670	13800	9870	20900	16000	4470	1110	6310	2340	864	1260
MIN	1240	1280	1620	1330	1320	3640	839	541	509	759	359	294
CFSM	.43	.46	1.37	.94	2.84	2.63	.41	.21	.37	.35	.14	.16
IN.	.49	.51	1.58	1.08	3.06	3.04	.46	.24	.41	.40	.16	.18

CAL YR 1975 TOTAL 1373004 MEAN 3762 MAX 16600 MIN 535 CFSM 1.00 IN 13.52
WTR YR 1976 TOTAL 1181711 MEAN 3229 MAX 20900 MIN 294 CFSM .85 IN 11.63

03329400 Rattlesnake Creek near Patton, Ind.

LOCATION.--Lat 40°42'46", long 86°41'49", in NW¼SW¼ sec.7, T.26 N., R.2 W., Carroll County, on left bank 5 ft (2 m) downstream from bridge on County Road 900 West, and 2.5 miles (4.0 km) northeast of Patton.

DRAINAGE AREA.--6.83 mi^2 (17.69 km^2).

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 645.97 ft (196.892 m) above mean sea level.

AVERAGE DISCHARGE.--8 years, 7.57 ft^3/s (0.214 m^3/s), 15.05 in/yr (382 mm/yr).

EXTREMES.--Current year: Maximum discharge, 124 ft^3/s (3.51 m^3/s) Feb. 16, gage height, 3.54 ft (1.079 m): minimum daily, 0.15 ft^3/s (0.004 m^3/s) Sept. 8.
Period of record: Maximum discharge, 224 ft^3/s (6.34 m^3/s) June 14, 1975, gage height, 4.30 ft (1.311 m): minimum daily discharge, 0.14 ft^3/s (0.004 m^3/s) Sept. 23, 1974.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	2.2	13	5.1	2.0	6.6	6.5	2.5	2.6	2.7	.49	.20
2	3.4	2.2	8.7	5.5	1.9	6.4	5.6	2.5	2.1	2.2	.39	.20
3	3.0	2.1	5.9	6.2	1.8	6.0	5.2	2.2	1.9	2.1	.46	.23
4	3.1	1.9	5.3	5.3	1.7	8.5	4.8	2.1	1.8	2.0	.46	.20
5	3.0	1.8	4.6	4.3	1.6	29	4.6	2.2	1.7	1.9	.46	.17
6	3.0	1.9	5.5	4.0	1.6	16	4.3	2.4	1.7	2.0	.61	.17
7	2.9	2.2	5.4	3.6	1.5	11	4.1	2.2	1.7	1.7	.49	.17
8	4.2	2.0	4.8	3.3	1.4	9.1	3.8	2.1	1.7	1.5	.46	.15
9	6.9	1.8	4.6	3.0	1.4	8.1	3.7	2.1	1.6	1.4	.42	.20
10	5.1	3.2	4.1	2.9	55	7.4	3.7	2.1	1.6	1.2	.42	.26
11	4.2	2.6	3.8	2.8	52	7.8	3.6	2.1	1.6	1.2	.42	.20
12	3.7	2.5	3.7	2.8	31	11	3.3	1.9	1.4	1.1	.49	.20
13	3.3	2.2	4.0	2.8	29	10	3.4	2.1	2.2	1.0	.46	.20
14	3.2	1.9	4.6	2.5	20	8.2	3.3	2.2	2.0	.97	.42	.20
15	3.1	1.9	48	3.3	20	7.0	3.3	2.2	2.2	1.3	.39	.29
16	2.7	1.8	26	2.4	58	7.1	3.2	2.1	2.7	1.0	.32	.26
17	2.7	1.6	17	2.2	68	6.3	2.9	2.0	1.6	.86	.32	.26
18	2.7	1.5	10	2.0	39	6.5	2.9	1.8	4.0	.80	.29	.26
19	2.8	1.5	8.1	1.9	28	6.2	2.8	1.8	3.7	.75	.29	.23
20	2.4	2.0	6.8	1.9	23	6.3	2.9	1.8	1.8	.70	.32	.32
21	2.2	1.9	5.2	1.8	46	5.9	3.2	1.7	1.5	.75	.35	.29
22	2.2	1.5	5.0	1.7	42	5.1	2.7	1.7	1.5	.75	.35	.23
23	2.1	1.4	4.7	1.7	26	5.0	2.7	1.6	1.7	.70	.29	.20
24	2.1	1.5	4.2	1.9	21	5.1	2.8	1.6	11	.57	.29	.20
25	4.7	1.4	4.0	4.2	17	5.0	3.6	1.6	9.6	.57	.29	.20
26	3.7	1.4	3.8	6.3	13	5.0	2.8	1.5	4.4	.57	.32	.35
27	3.1	1.6	3.6	4.2	10	25	2.6	1.5	3.3	4.9	.32	.29
28	2.6	1.4	3.4	5.0	8.6	19	2.5	1.8	4.8	1.8	.26	.20
29	2.2	7.7	3.3	2.4	7.7	12	2.5	1.9	4.3	1.2	.23	.17
30	2.2	32	5.0	2.4	---	9.4	2.5	2.4	3.3	.72	.23	.20
31	2.2	---	6.1	2.1	---	7.4	---	3.4	---	.61	.23	---
TOTAL	98.6	92.6	242.2	101.5	629.2	288.4	105.8	63.1	87.0	41.52	11.54	6.70
MEAN	3.18	3.09	7.81	3.27	21.7	9.30	3.53	2.04	2.90	1.34	.37	.22
MAX	6.9	32	48	6.3	68	29	6.5	3.4	11	4.9	.61	.35
MIN	2.1	1.4	3.3	1.7	1.4	5.0	2.5	1.5	1.4	.57	.23	.15
CFSM	.47	.45	1.14	.48	3.18	1.36	.52	.30	.42	.20	.05	.03
IN.	.54	.50	1.32	.55	3.43	1.57	.58	.34	.47	.23	.06	.04

CAL YR 1975 TOTAL 2966.00 MEAN 8.13 MAX 91 MIN 1.3 CFSM 1.19 IN 16.15
WTR YR 1976 TOTAL 1768.16 MEAN 4.83 MAX 68 MIN .15 CFSM .71 IN 9.63

PEAK DISCHARGE (BASE, 65 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-15	0600	2.81	67	02-16	2300	3.54	124
02-10	1800	3.44	112	02-21	1100	2.82	69

03329700 Deer Creek near Delphi, Ind.

LOCATION.--Lat 40°35'25", long 86°37'15", in NE¼NE¼ sec.27, T.25 N., R.2 W., Carroll County, on downstream side of left wingwall of highway bridge, 2.6 miles (4.2 km) northeast of Delphi Post Office, and 4.8 miles (7.7 km) upstream from mouth.

DRAINAGE AREA.--274 mi^2 (710 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: October 1943 to current year. Prior to March 1944 monthly discharge only, published in WSP 1305.
SEDIMENT DISCHARGE: August 1969 to current year (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 553.81 ft (168.801 m) above mean sea level (Corps of Engineers bench mark, levels by State of Indiana, Department of Natural Resources).

AVERAGE DISCHARGE.--33 years, 241 ft^3/s (6.825 m^3/s), 11.94 in/yr (303 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,670 ft^3/s (104 m^3/s) Feb. 17, gage height, 8.80 ft (2.682 m); minimum daily, 19 ft^3/s (0.54 m^3/s) Sept. 7, 8.
Period of record: Maximum discharge, 14,400 ft^3/s (408 m^3/s) June 10, 1958, gage height, 18.26 ft (5.566 m); minimum daily, 6.2 ft^3/s (0.18 m^3/s) Sept. 25-28, 1954.
Flood in May 1943 reached a stage of 19.8 ft (6.035 m), from floodmarks, discharge, 18,000 ft^3/s (510 m^3/s), from rating curve extended above 8,000 ft^3/s (227 m^3/s).

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1275: 1944, 1947-48. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	75	1010	341	142	285	167	80	310	329	68	23
2	72	75	592	282	120	271	157	80	421	245	56	22
3	69	74	405	250	110	284	146	77	263	192	50	22
4	67	72	318	224	100	773	141	73	164	159	45	21
5	65	71	276	200	96	1650	133	69	118	138	44	21
6	63	69	276	173	92	1150	128	74	91	128	58	20
7	62	73	364	164	88	675	124	78	77	116	76	19
8	73	75	350	157	86	511	117	74	70	105	53	19
9	152	79	306	150	84	425	112	68	64	93	45	24
10	160	97	266	148	1340	371	109	65	59	81	40	27
11	134	112	234	146	3280	344	112	63	55	74	38	25
12	114	100	215	144	2280	345	107	62	52	299	37	22
13	101	89	228	143	1670	346	101	61	485	392	36	20
14	92	83	282	238	1250	309	100	67	1220	206	48	20
15	87	78	1650	247	868	276	100	68	491	134	51	25
16	82	74	1990	183	1660	270	99	68	1520	139	42	22
17	79	72	1060	165	3510	253	93	64	747	162	35	24
18	80	70	619	140	2270	239	88	61	429	118	31	23
19	86	67	495	130	1340	253	86	58	524	85	30	23
20	87	70	364	120	896	253	87	56	395	71	28	26
21	89	74	279	115	1180	240	96	53	254	64	28	24
22	87	74	234	110	1800	203	97	51	189	61	27	24
23	83	72	212	110	1190	181	89	50	205	59	26	22
24	80	67	187	110	776	179	100	49	1160	56	26	21
25	92	66	177	146	615	194	121	48	1530	50	26	21
26	88	65	165	412	504	181	119	48	737	47	26	27
27	98	70	160	577	416	204	106	47	455	44	28	28
28	98	67	150	515	363	213	90	48	454	50	27	28
29	89	79	140	343	325	199	85	50	557	497	26	27
30	80	486	187	194	---	196	82	54	431	185	24	25
31	76	---	354	172	---	178	---	65	---	98	23	---
TOTAL	2760	2695	13545	6549	28451	11451	3292	1929	13527	4477	1198	695
MEAN	89.0	89.8	437	211	981	369	110	62.2	451	144	38.6	23.2
MAX	160	486	1990	577	3510	1650	167	80	1530	497	76	28
MIN	62	65	140	110	84	178	82	47	52	44	23	19
CFSM	.32	.33	1.59	.77	3.58	1.35	.40	.23	1.65	.53	.14	.08
IN.	.37	.37	1.84	.89	3.86	1.55	.45	.26	1.84	.61	.16	.09

CAL YR 1975 TOTAL 97607 MEAN 267 MAX 3310 MIN 35 CFSM .97 IN 13.25
WTR YR 1976 TOTAL 90569 MEAN 247 MAX 3510 MIN 19 CFSM .90 IN 12.30

PEAK DISCHARGE (BASE, 2,000 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-15	1900	7.20	2,390	02-17	1200	8.80	3,670
02-11	1700	8.66	3,550	06-16	0900	6.68	2,010

03329700 Deer Creek near Delphi, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
DEC.					
02...	1430	5.0	560	54	82
JAN.					
06...	1200	.5	173	61	28
FEB.					
13...	1520	4.5	1710	110	508
APR.					
20...	1005	18.0	96	17	4.4
MAY					
26...	0920	15.0	49	23	3.0
JUNE					
28...	1705	21.0	545	204	300
AUG.					
03...	0930	18.0	51	56	7.7
31...	1100	18.5	25	25	1.7

03330500 Tippecanoe River at Oswego, Ind.

LOCATION.--Lat 41°19'14", long 85°47'21", in NE¼NE¼ sec.14, T.33 N., R.6 E., Kosciusko County, on left bank 10 ft (3 m) downstream from dam at Tippecanoe Lake Outlet in Oswego, 3 miles (5 km) east of Leesburg, and at mile 158.9 (255.7 km).

DRAINAGE AREA.--113 mi^2 (293 km^2).

PERIOD OF RECORD.--October 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 830.00 ft (252.984 m) above mean sea level. Prior to Aug. 12, 1953, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--27 years, 98.5 ft^3/s (2.790 m^3/s), 11.84 in/yr (301 mm/yr).

EXTREMES.--Current year: Maximum discharge, 443 ft^3/s (12.5 m^3/s) Feb. 24, gage height, 8.16 ft (2.487 m); minimum daily, 14 ft^3/s (0.40 m^3/s) Sept. 19, 23-25, 28-30.
Period of record: Maximum discharge, 700 ft^3/s (19.8 m^3/s) Oct. 17, 1954, gage height, 8.64 ft (2.633 m); minimum daily, 0.08 ft^3/s (0.002 m^3/s) Aug. 4, 5, 1967.

REMARKS.--Records good. Occasional regulation by flashboards at lake outlet.

REVISIONS.--WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	32	90	128	49	392	159	76	90	78	97	18
2	25	33	100	121	50	382	169	66	76	29	96	18
3	24	33	118	112	49	368	168	67	26	41	92	18
4	23	33	147	106	50	362	162	67	26	53	88	17
5	21	33	146	101	49	365	153	65	27	53	84	16
6	21	32	148	96	50	362	146	70	28	53	86	16
7	20	33	143	92	50	360	136	90	29	52	86	16
8	20	33	138	87	50	356	123	88	30	48	69	16
9	20	32	134	82	50	349	87	43	34	21	22	16
10	20	33	129	78	51	341	26	30	51	20	24	16
11	20	34	126	76	52	332	27	41	50	19	34	16
12	20	34	122	73	53	320	27	46	48	20	61	16
13	20	33	118	71	57	302	28	71	42	19	61	16
14	20	32	114	70	64	284	32	91	28	18	71	16
15	20	32	124	68	98	271	69	90	28	19	75	16
16	20	32	124	66	179	253	78	79	28	19	73	16
17	19	31	126	63	234	234	77	28	27	19	40	16
18	19	31	127	52	278	219	73	29	27	18	23	15
19	19	30	132	44	326	205	60	30	45	18	23	14
20	19	30	137	44	364	196	60	31	51	17	23	15
21	19	30	137	45	407	187	55	56	26	19	22	15
22	20	30	136	45	430	177	40	66	27	21	21	15
23	20	29	137	45	437	172	29	63	28	23	21	14
24	22	29	136	45	439	159	39	37	44	41	21	14
25	24	28	135	45	435	155	101	26	106	46	22	14
26	47	28	138	46	426	141	116	26	138	21	21	15
27	67	28	137	47	411	142	112	27	133	23	22	15
28	65	28	134	47	396	145	110	27	126	38	22	14
29	57	29	132	48	380	148	109	28	121	72	21	14
30	34	50	132	48	---	145	105	55	113	77	20	14
31	33	---	132	49	---	150	---	93	---	97	19	---
TOTAL	823	955	4029	2140	5964	7974	2676	1702	1653	1112	1460	467
MEAN	26.5	31.8	130	69.0	206	257	89.2	54.9	55.1	35.9	47.1	15.6
MAX	67	50	148	128	439	392	169	93	138	97	97	18
MIN	19	28	90	44	49	141	26	26	26	17	19	14
CFSM	.23	.28	1.15	.61	1.82	2.27	.79	.49	.49	.32	.42	.14
IN.	.27	.31	1.33	.70	1.96	2.63	.88	.56	.54	.37	.48	.15

CAL YR 1975 TOTAL 40218 MEAN 110 MAX 304 MIN 19 CFSM .97 IN 13.24
WTR YR 1976 TOTAL 30955 MEAN 84.6 MAX 439 MIN 14 CFSM .75 IN 10.19

03331110 Walnut Creek near Warsaw, Ind.

LOCATION.--Lat 41°12'17", long 85°52'11", in NW¼NE¼ sec.30, T.32 N., R.6 E., Kosciusko County, on left bank 10 ft (3 m) upstream from bridge on County Road 200 South, 0.3 mile (0.5 km) downstream from small right-bank tributary, and 2.5 miles (4.0 km) south of court house in Warsaw.

DRAINAGE AREA.--19.6 mi^2 (50.8 km^2).

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 823.00 ft (250.850 m) above mean sea level.

AVERAGE DISCHARGE.--7 years, 16.6 ft^3/s (0.470 m^3/s), 11.50 in/yr (292 mm/yr).

EXTREMES.--Current year: Maximum discharge, 129 ft^3/s (3.65 m^3/s) Feb. 16, gage height, 3.08 ft (0.939 m); minimum daily, 0.55 ft^3/s (0.016 m^3/s) Sept. 24.
Period of record: Maximum discharge, 141 ft^3/s (3.99 m^3/s) Apr. 21, 1970, gage height, 3.02 ft (0.920 m); maximum gage height, 3.10 ft (0.945 m) Mar. 5, 1974; minimum daily discharge, 0.55 ft^3/s (0.016 m^3/s) Sept. 24, 1976.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	2.8	51	9.2	7.0	33	24	12	27	15	4.0	.93
2	2.7	8.2	46	9.1	6.9	34	23	11	22	13	3.3	.93
3	2.7	7.0	38	9.0	6.9	38	21	11	17	11	2.7	.90
4	2.7	5.2	30	8.9	6.9	44	19	10	13	9.2	2.3	.74
5	2.4	4.2	23	8.8	6.8	71	18	9.4	11	8.1	2.1	.64
6	2.0	3.5	22	8.7	6.8	70	17	9.5	9.0	8.0	3.0	.64
7	2.0	3.9	21	8.6	6.7	60	16	11	7.9	7.6	4.4	.64
8	2.0	4.0	19	8.5	6.8	49	15	11	7.1	7.4	4.2	.64
9	2.4	8.5	18	8.4	8.0	42	14	9.8	6.4	6.8	3.6	1.2
10	2.3	12	17	8.3	12	37	14	9.2	5.8	6.3	3.0	1.1
11	2.1	13	16	8.2	40	33	13	8.9	5.5	5.8	2.7	.97
12	2.0	12	15	8.0	58	32	12	8.5	5.3	5.4	2.6	.90
13	2.0	9.8	14	7.9	77	32	12	8.0	5.0	4.8	2.7	.86
14	1.8	8.1	14	7.6	82	30	11	7.6	4.4	4.4	2.4	.79
15	1.8	7.1	45	7.4	79	28	11	8.8	3.9	4.1	2.3	.81
16	1.8	6.3	54	7.3	91	27	11	13	4.0	3.9	2.9	.81
17	1.8	5.4	48	7.1	122	25	10	15	3.9	3.6	3.0	.79
18	1.7	5.1	37	7.0	112	23	10	18	4.3	3.2	3.0	.74
19	1.8	4.6	27	6.9	97	22	9.6	16	5.6	2.8	2.9	.72
20	2.3	4.8	21	6.8	80	21	9.2	14	4.6	2.7	2.7	.77
21	2.8	7.2	18	6.8	83	20	8.9	11	4.5	3.4	2.3	.75
22	3.0	7.2	17	6.7	86	19	8.9	9.5	4.6	5.4	2.0	.71
23	3.0	7.2	13	6.6	77	18	8.6	8.5	16	6.9	1.9	.62
24	2.7	6.5	12	6.6	65	17	8.9	7.7	36	6.1	1.7	.55
25	3.5	6.4	11	6.5	54	21	17	7.6	43	5.2	1.6	.61
26	3.7	6.0	11	6.8	46	23	21	7.3	40	4.3	1.6	.93
27	3.5	6.8	10	6.8	40	29	19	6.8	33	3.4	1.3	.96
28	3.3	6.6	9.9	6.9	38	35	17	6.0	27	3.4	1.2	.85
29	3.2	18	9.8	7.0	33	35	15	5.8	21	5.0	1.0	.75
30	3.0	44	9.6	7.0	---	31	14	7.2	19	4.9	.96	.74
31	2.8	---	9.5	7.0	---	26	---	22	---	4.6	.93	---
TOTAL	77.7	251.4	706.8	236.4	1434.8	1025	428.1	321.1	416.8	185.7	76.29	23.99
MEAN	2.51	8.38	22.8	7.63	49.5	33.1	14.3	10.4	13.9	5.99	2.46	.80
MAX	3.7	44	54	9.2	122	71	24	22	43	15	4.4	1.2
MIN	1.7	2.8	9.5	6.5	6.7	17	8.6	5.8	3.9	2.7	.93	.55
CFSM	.13	.43	1.16	.39	2.53	1.69	.73	.53	.71	.31	.13	.04
IN.	.15	.48	1.34	.45	2.72	1.95	.81	.61	.79	.35	.14	.05

CAL YR 1975 TOTAL 6359.10 MEAN 17.4 MAX 98 MIN 1.7 CFSM .89 IN 12.07
WTR YR 1976 TOTAL 5184.08 MEAN 14.2 MAX 122 MIN .55 CFSM .72 IN 9.84

03331500 Tippecanoe River near Ora, Ind.

LOCATION.--Lat 41°09'26", long 86°33'49", in SE¼SE¼ sec.6, T.31 N., R.1 W., Pulaski County, on right bank at downstream side of highway bridge, 1.0 mile (1.6 km) upstream from Bartee ditch, 1.3 miles (2.1 km) southwest of Ora, and at mile 78.5 (126.3 km).

DRAINAGE AREA.--856 mi^2 (2,217 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: September 1943 to current year. Monthly discharge only for some periods, published in WSP 1305.
SEDIMENT DISCHARGE: July 1968 to current year (partial-record station).

GAGE.--Water-stage recorder. Altitude of gage is 694 ft (212 m) (by barometer). Prior to July 30, 1956, nonrecording gage on up stream side of old highway bridge, 120 ft (37 m) downstream from present gage. 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 (152 m) downstream from present site. All gages at same datum.

AVERAGE DISCHARGE.--33 years, 811 ft^3/s (22.97 m^3/s), 12.86 in/yr (327 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,070 ft^3/s (144 m^3/s) Feb. 19, gage height, 12.61 ft (3.844 m); minimum daily, 181 ft^3/s (5.13 m^3/s) Sept. 8.
Period of record: Maximum discharge, 7,800 ft^3/s (221 m^3/s) Apr. 5, 1950, gage height, 14.40 ft (4.389 m) site then in use; minimum daily, 87 ft^3/s (2.46 m^3/s) Sept. 13, 1966.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1335: 1944(M). WSP 1505: 1949-50(P). WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	329	322	1720	885	540	2590	1620	949	654	868	381	201
2	324	321	1760	873	500	2700	1550	891	718	834	382	200
3	315	319	1480	876	430	2850	1470	862	728	750	365	198
4	310	318	1270	1030	400	3110	1390	808	709	630	338	196
5	304	317	1170	760	440	3600	1320	752	660	512	324	191
6	297	314	1120	620	480	4150	1270	752	568	457	375	188
7	293	315	1130	660	460	4330	1220	879	494	454	392	185
8	287	327	1080	680	450	3910	1160	911	454	454	375	181
9	293	331	1030	660	520	3450	1090	886	419	418	379	200
10	299	344	980	610	866	3040	1050	831	400	392	356	216
11	289	360	926	570	1680	2690	1010	776	383	369	327	216
12	282	368	887	630	2950	2470	955	709	378	356	301	224
13	278	367	868	670	2980	2330	876	655	371	342	291	211
14	276	361	860	680	3220	2210	834	631	361	320	291	198
15	275	347	1200	640	3300	2030	808	625	355	306	317	199
16	270	332	1930	600	3220	1900	791	644	358	310	315	197
17	266	327	2110	580	3830	1790	780	653	346	321	304	196
18	273	319	1750	550	4710	1700	776	665	360	295	294	196
19	305	311	1400	530	4990	1630	765	651	447	279	283	194
20	313	314	1280	520	4710	1570	753	605	410	267	271	204
21	310	336	1160	510	4340	1500	764	567	393	296	252	205
22	303	354	1030	500	4410	1430	770	531	393	340	244	206
23	297	363	959	510	4650	1350	743	510	400	353	235	206
24	294	354	892	530	4470	1300	743	501	420	357	232	202
25	304	347	852	540	4060	1260	887	499	673	354	226	197
26	323	340	834	560	3630	1280	1300	487	855	330	224	216
27	328	347	818	570	3250	1520	1320	469	850	307	222	232
28	327	345	786	580	2890	2050	1200	469	815	301	219	229
29	316	433	768	580	2580	2090	1100	475	792	301	215	237
30	322	1050	785	570	---	1910	1020	466	825	307	210	230
31	324	---	847	560	---	1750	---	527	---	370	206	---
TOTAL	9326	10903	35682	19634	74956	71490	31335	20636	15989	12550	9146	6151
MEAN	301	363	1151	633	2585	2306	1045	666	533	405	295	205
MAX	329	1050	2110	1030	4990	4330	1620	949	855	868	392	237
MIN	266	311	768	500	400	1260	743	466	346	267	206	181
CFSM	.35	.42	1.34	.74	3.02	2.69	1.22	.78	.62	.47	.34	.24
IN.	.41	.47	1.55	.85	3.26	3.11	1.36	.90	.69	.55	.40	.27

CAL YR 1975 TOTAL 362288 MEAN 993 MAX 4690 MIN 266 CFSM 1.16 IN 15.74
WTR YR 1976 TOTAL 317798 MEAN 868 MAX 4990 MIN 181 CFSM 1.01 IN 13.81

PEAK DISCHARGE (BASE, 2,300 FT^3/S).--Feb. 19 (0400) 5,070 ft^3/s (12.61 ft).

03332500 Tippecanoe River near Monticello, Ind.

LOCATION.--Lat 40°46'48", long 86°45'36", in NW¼NE¼ sec.21, T.27 N., R.3 W., White County, at Norway plant of Northern Indiana Public Service Co., 2 miles (3 km) north of Monticello, and at mile 32.0 (51.5 km).

DRAINAGE AREA.--1,732 mi^2 (4,486 km^2).

PERIOD OF RECORD.--October 1931 to current year.

AVERAGE DISCHARGE.--45 years, 1,502 ft^3/s (42.54 m^3/s), 11.78 in/yr (299 mm/yr).

EXTREMES.--Current year: Maximum daily discharge, 11,800 ft^3/s (334 m^3/s) Feb 18; minimum daily, 238 ft^3/s (6.74 m^3/s) Aug. 30.
Period of record: Maximum daily discharge, 16,800 ft^3/s (476 m^3/s) June 13, 1958; minimum daily, 103 ft^3/s (2.92 m^3/s) July 27, 1934.

REMARKS.--Discharge computed on basis of records of operation of powerplant and flow over dam.

COOPERATION.--Records of daily discharges furnished by Northern Indiana Public Service Co.

REVISIONS.--WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	635	701	3660	1670	849	3500	2610	1530	1190	1430	619	325
2	619	635	2940	1590	849	4220	2470	1560	1280	1430	619	347
3	602	619	2540	1810	602	4410	2310	1430	1240	1190	586	303
4	526	635	2310	1150	734	4810	2080	1300	1160	1070	520	325
5	585	701	1960	1070	849	7440	2080	1220	1070	915	520	260
6	499	602	2060	915	800	6950	2000	1430	1090	767	668	282
7	520	586	2190	1110	750	5850	1810	1600	907	750	734	303
8	619	685	1940	1090	734	5430	1700	1810	750	815	652	325
9	652	619	1940	915	849	4870	1600	1480	816	718	586	498
10	586	652	1810	833	2420	4410	1570	1530	652	701	585	414
11	678	726	1650	1040	6780	4040	1600	1390	734	619	569	412
12	520	800	1670	1170	5290	3880	1430	1260	635	602	602	390
13	520	619	1620	1220	6290	3800	1430	1220	860	520	520	3050
14	520	602	1740	1070	6190	3230	1320	1260	750	585	569	2590
15	520	668	4500	1070	4990	3020	1320	1260	685	652	569	1360
16	520	652	5270	1040	6800	2920	1280	1300	619	635	520	350
17	569	585	4150	915	11200	2620	1260	1320	685	520	520	350
18	520	685	3050	915	11800	2640	1130	1090	651	520	553	350
19	569	520	2450	816	7570	2470	1150	1150	915	520	455	350
20	602	685	2460	915	4900	2390	1150	1070	1090	477	498	350
21	635	734	1980	915	8470	2340	1170	1000	750	586	477	350
22	586	602	1680	800	10100	2080	1130	917	750	734	368	350
23	619	701	1730	794	7570	2040	1170	994	821	668	412	350
24	553	718	1530	1040	6540	2050	1320	783	1260	619	347	350
25	668	652	1480	915	5950	1980	1580	816	1810	602	433	350
26	599	668	1540	915	5160	1870	2330	866	1700	520	347	350
27	651	652	1430	1020	4660	3330	2460	816	1560	569	368	350
28	652	685	1430	915	4320	4660	1980	866	1600	569	390	350
29	685	816	1370	915	3720	3770	1810	915	1640	635	368	350
30	553	2890	1530	979	---	3250	1720	1000	1620	652	238	350
31	586	---	1650	915	---	3190	---	1090	---	602	325	---
TOTAL	18168	22095	69260	32447	137736	113460	49970	37273	31290	22192	15537	16434
MEAN	586	737	2234	1047	4750	3660	1666	1202	1043	716	501	548
MAX	685	2890	5270	1810	11800	7440	2610	1810	1810	1430	734	3050
MIN	499	520	1370	794	602	1870	1130	783	619	477	238	260
CFSM	.34	.43	1.29	.60	2.74	2.11	.96	.69	.60	.41	.29	.32
IN.	.39	.47	1.49	.70	2.96	2.44	1.07	.80	.67	.48	.33	.35

CAL YR 1975 TOTAL 690123 MEAN 1891 MAX 11600 MIN 499 CFSM 1.09 IN 14.82
WTR YR 1976 TOTAL 565862 MEAN 1546 MAX 11800 MIN 238 CFSM .89 IN 12.15

03333000 Tippecanoe River near Delphi, Ind.

LOCATION.--Lat 40°37'02", long 86°45'39", in NW¼NE¼ sec.16, T.25 N., R.3 W., Carroll County, on right bank 2 miles (3 km) northeast of Springboro, 1.7 miles (2.7 km) downstream from Big Creek, 5 miles (8 km) northwest of Delphi, and at mile 15.1 (24.3 km).

DRAINAGE AREA.--1,865 mi^2 (4,830 km^2).

PERIOD OF RECORD.--March to December 1903, March to December 1904, March 1905 to July 1906, November and December 1908, July 1939 to current year. Published as "at Springboro" 1903.

GAGE.--Water-stage recorder. Datum of gage is 552.01 ft (168.253 m) above mean sea level (levels by Corps of Engineers). Mar. 14, 1903 to July 20, 1906, and Nov. 2 to Dec. 31, 1908, nonrecording gage at site 5.5 miles (8.8 km) downstream at different datum.

AVERAGE DISCHARGE.--37 years (1939 to current year), 1,637 ft^3/s (46.36 m^3/s), 11.92 in/yr (303 mm/yr).

EXTREMES.--Current year: Maximum discharge, 12,500 ft^3/s (354 m^3/s) Feb. 18, gage height, 11.03 ft (3.362 m); minimum daily, 238 ft^3/s (6.74 m^3/s) Sept. 1.
Period of record: Maximum discharge, 22,600 ft^3/s (640 m^3/s) Feb. 10, 1959, gage height, 15.10 ft (4.602 m); minimum daily, 1.0 ft^3/s (0.028 m^3/s) Nov. 2, 3, 1954, caused by repair work at Oakdale Dam, 6.5 miles (10.5 km) upstream.

REMARKS.--Records good. Flow regulated by upstream reservoirs.

REVISIONS (WATER YEARS).--WSP 973: 1942. WSP 1335: 1905-6. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	831	762	3810	1920	883	3470	2910	1680	1140	1750	661	238
2	765	838	3110	1730	1010	4230	2640	1710	1450	1560	668	323
3	688	866	2940	1930	733	4450	2700	1490	1280	1430	613	370
4	709	580	2430	1660	946	4620	2230	1510	1250	1240	645	254
5	652	950	2090	1240	862	6970	2120	1430	1250	1170	614	350
6	611	644	2320	1180	914	7220	2260	1650	1110	894	855	362
7	674	709	2150	1060	853	5990	2030	1700	1070	867	843	250
8	849	779	2260	1260	897	5480	1850	1980	892	875	750	253
9	772	821	2020	1080	938	4920	1750	1680	821	966	662	591
10	762	908	1920	909	2460	4550	1670	1750	662	759	619	334
11	756	796	1950	1180	7290	3950	1800	1410	818	743	654	439
12	621	876	1670	1250	5600	3970	1530	1420	782	671	669	741
13	605	808	1760	1460	6130	3960	1590	1440	1250	644	507	2490
14	628	658	1800	1280	6310	3310	1500	1310	1010	602	635	2990
15	632	491	4560	1150	4950	3370	1500	1500	979	722	637	3480
16	625	961	5600	1130	6990	3150	1500	1500	783	840	515	3560
17	717	792	4260	1050	11900	2760	1390	1410	903	558	516	3100
18	579	605	3430	1050	11800	2840	1310	1280	699	615	514	2230
19	666	610	2660	907	7690	2720	1270	1270	1080	528	570	1050
20	785	714	2770	985	4320	2620	1380	1270	1370	572	511	653
21	815	739	2260	1180	8460	2790	1430	1250	768	687	515	540
22	582	763	1840	710	10300	2200	1290	1020	907	822	445	435
23	755	745	1740	982	7740	2270	1370	1050	816	821	432	369
24	676	765	1720	1280	6440	2270	1470	932	1670	721	432	350
25	812	786	1590	916	5940	2240	1780	805	1880	653	398	315
26	890	659	1820	1210	5260	2150	2260	1180	1840	581	423	351
27	674	897	1560	1170	4730	3280	2770	993	1830	689	424	379
28	794	712	1410	1060	4140	5140	2080	1010	1990	775	423	399
29	828	805	1530	1040	3910	4070	2080	1100	2120	717	419	413
30	527	3040	1710	1060	---	3490	2000	1130	1950	636	247	424
31	775	---	1630	1170	---	3330	---	1260	---	728	243	---
TOTAL	22055	25079	74320	37189	140396	117780	55460	42120	36370	25836	17059	28033
MEAN	711	836	2397	1200	4841	3799	1849	1359	1212	833	550	934
MAX	890	3040	5600	1930	11900	7220	2910	1980	2120	1750	855	3560
MIN	527	491	1410	710	733	2150	1270	805	662	528	243	238
CFSM	.38	.45	1.29	.64	2.60	2.04	.99	.73	.65	.45	.29	.50
IN.	.44	.50	1.48	.74	2.80	2.35	1.11	.84	.73	.52	.34	.56

CAL YR 1975 TOTAL 739684 MEAN 2027 MAX 13500 MIN 491 CFSM 1.09 IN 14.75
WTR YR 1976 TOTAL 621697 MEAN 1699 MAX 11900 MIN 238 CFSM .91 IN 12.40

03333450 Wildcat Creek near Jerome, Ind.

LOCATION.--Lat 40°26'29", long 85°55'08", in NE¼SE¼ sec.14, T.23 N., R.5 E., Howard County, on right bank at downstream side of bridge on County Road 1100 East, 0.5 mile (0.8 km) downstream from Mud Creek, 1.5 miles (2.4 km) southeast of Jerome, and at mile 79.9 (128.6 km).

DRAINAGE AREA.--146 mi^2 (378 km^2).

PERIOD OF RECORD.--July 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 820.04 ft (249.948 m) above mean sea level.

AVERAGE DISCHARGE.--15 years, 128 ft^3/s (3.625 m^3/s), 11.91 in/yr (303 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,700 ft^3/s (105 m^3/s) Feb. 17, gage height, 11.38 ft (3.469 m); minimum daily, 2.0 ft^3/s (0.057 m^3/s) Sept. 13, 14.
Period of record: Maximum discharge, 4,160 ft^3/s (118 m^3/s) Apr. 20, 1964; maximum gage height, 11.98 ft (3.652 m) Jan. 26, 1962; minimum daily discharge, 1.1 ft^3/s (0.031 m^3/s) Oct. 10-12, 1966.
Flood in March 1913 reached a stage of about 18 ft (5.5 m), from information by local residents.

REMARKS.--Records good.

REVISIONS.--WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	7.9	500	147	76	136	90	27	22	356	13	3.7
2	5.7	8.2	256	109	64	126	81	28	70	178	11	3.6
3	5.4	8.2	142	72	65	124	72	27	72	110	9.8	3.6
4	4.9	8.1	99	82	50	570	72	23	43	81	9.0	3.4
5	4.7	7.5	83	85	42	1110	64	21	29	64	9.0	3.4
6	4.3	7.3	82	86	40	784	61	21	23	53	11	3.1
7	4.7	9.9	107	76	34	464	58	24	21	44	10	2.9
8	5.8	15	99	65	35	319	52	21	20	41	9.0	2.8
9	8.1	16	88	50	40	249	49	18	18	34	7.9	3.4
10	8.6	18	75	45	371	198	49	19	16	28	7.0	4.2
11	7.2	22	64	45	2000	168	50	19	15	96	6.7	3.6
12	6.9	18	58	50	1110	164	47	18	15	1270	6.7	2.9
13	6.9	15	70	57	1000	164	43	17	14	840	6.7	2.0
14	6.9	12	89	235	787	131	44	20	15	371	6.0	2.0
15	7.3	9.9	570	159	557	118	45	21	14	189	5.6	2.2
16	7.9	8.9	878	115	1110	118	44	20	15	158	5.5	2.7
17	7.3	7.7	491	90	3340	110	40	20	17	129	5.6	2.9
18	7.8	6.7	275	75	1940	103	37	18	15	86	6.2	2.4
19	11	6.1	181	61	1090	117	35	15	16	63	5.9	2.4
20	14	6.3	143	56	734	115	36	14	24	50	5.5	3.2
21	14	7.2	103	46	798	185	38	12	17	44	4.9	3.5
22	12	7.0	81	40	1040	142	40	11	14	37	4.7	3.1
23	11	6.0	75	45	695	113	38	11	15	32	4.5	3.1
24	9.3	5.3	64	50	498	106	38	11	59	27	4.5	2.9
25	9.9	5.1	62	64	389	101	51	13	232	23	4.7	2.9
26	14	4.5	64	654	302	92	47	13	134	20	4.9	3.1
27	14	5.1	59	527	240	123	35	12	81	18	4.7	3.6
28	12	4.9	49	277	196	133	30	12	102	17	4.2	3.6
29	11	6.2	44	160	165	119	28	13	254	21	4.0	3.1
30	9.8	191	65	110	---	118	27	15	508	22	3.8	2.9
31	8.7	---	184	84	---	100	---	21	---	16	3.6	---
TOTAL	267.0	461.0	5200	3817	18808	6720	1441	555	1910	4518	205.6	92.2
MEAN	8.61	15.4	168	123	649	217	48.0	17.9	63.7	146	6.63	3.07
MAX	14	191	878	654	3340	1110	90	28	508	1270	13	4.2
MIN	4.3	4.5	44	40	34	92	27	11	14	16	3.6	2.0
CFSM	.06	.11	1.15	.84	4.45	1.49	.33	.12	.44	1.00	.05	.02
IN.	.07	.12	1.32	.97	4.79	1.71	.37	.14	.49	1.15	.05	.02

CAL YR 1975 TOTAL 53202.0 MEAN 146 MAX 1880 MIN 4.3 CFSM 1.00 IN 13.56
WTR YR 1976 TOTAL 43994.8 MEAN 120 MAX 3340 MIN 2.0 CFSM .82 IN 11.21

PEAK DISCHARGE (BASE, 1,200 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-11	0800	9.48	2,310	07-12	1500	7.60	1,470
02-17	0700	11.38	3,700				

03333600 Kokomo Creek near Kokomo, Ind.

LOCATION.--Lat 40°26'28", long 86°05'20", in NW¼SW¼ sec.16, T.23 N., R.4 E., Howard County, on left bank at upstream side of bridge on County Road 200 East, 2.6 miles (4.2 km) southeast of intersection of U.S. Highways 31 and 35 in Kokomo, and 4.2 miles (6.8 km) upstream from mouth.

DRAINAGE AREA.--24.7 mi^2 (64.0 km^2).

PERIOD OF RECORD.--July 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is 807.68 ft (246.181 m) above mean sea level (unadjusted).

AVERAGE DISCHARGE.--17 years, 20.8 ft^3/s (0.589 m^3/s), 11.44 in/yr (291 mm/yr).

EXTREMES.--Current year: Maximum discharge, 758 ft^3/s (21.5 m^3/s) Feb. 17, gage height, 8.41 ft (2.563 m); minimum daily, 0.39 ft^3/s (0.011 m^3/s) Sept. 5.
Period of record: Maximum discharge, 1,040 ft^3/s (29.4 m^3/s) Apr. 20, 1964, gage height, 9.88 ft (3.011 m); minimum daily, 0.08 ft^3/s (0.002 m^3/s) Aug. 20, 1975.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 2109: Drainage area. WRD Ind. 1972: 1970-71(P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.60	.96	28	18	10	26	12	3.9	3.3	82	2.2	.48
2	.66	.98	13	13	7.9	34	11	3.7	5.6	48	2.0	.47
3	.66	.98	8.5	9.0	6.8	41	9.7	3.2	6.6	29	1.8	.49
4	.78	.95	6.3	9.0	6.0	188	9.5	2.5	3.6	19	1.8	.44
5	.93	.94	5.5	9.5	4.8	217	8.3	2.4	2.1	16	1.8	.39
6	1.5	1.2	6.5	10	4.3	116	8.2	2.4	1.8	14	2.7	.54
7	1.6	6.9	8.4	11	4.1	80	7.7	2.7	1.7	6.8	1.7	.61
8	2.9	4.7	7.9	7.8	4.7	59	6.9	2.6	1.6	6.2	1.4	.67
9	2.4	5.0	7.2	5.5	5.5	47	6.4	2.4	1.5	5.4	1.3	1.3
10	1.7	7.6	6.0	4.6	156	38	6.4	2.1	1.5	5.8	1.2	.80
11	1.3	5.0	5.2	5.0	327	34	6.8	2.1	1.3	18	1.2	.56
12	1.1	4.2	4.8	6.3	138	34	6.0	2.1	1.3	225	1.2	.54
13	1.0	3.4	6.6	9.6	149	29	6.0	2.2	1.4	85	1.2	.55
14	1.0	2.9	9.6	19	103	23	6.2	2.7	1.6	46	1.3	.62
15	1.1	2.6	102	15	88	20	6.2	2.6	1.6	39	1.5	.60
16	1.3	2.4	83	13	281	21	6.1	2.5	11	48	1.3	.87
17	1.5	2.2	49	8.9	703	18	5.8	2.4	4.5	21	1.1	1.2
18	3.3	2.1	31	6.8	318	18	5.6	2.2	3.4	12	1.0	.99
19	2.4	2.1	24	6.2	201	20	5.6	2.1	3.3	8.1	.93	.90
20	1.0	2.2	20	6.4	119	20	6.0	2.1	2.6	6.1	.94	1.3
21	.90	2.4	14	5.5	190	19	6.6	2.0	2.4	5.2	.86	.97
22	.80	2.1	11	4.9	179	14	6.2	2.0	2.5	4.7	.87	.94
23	.78	1.8	10	5.5	108	13	6.0	2.0	2.8	4.2	.95	.84
24	.77	1.7	8.6	6.2	88	14	6.9	2.1	30	3.4	.80	.81
25	1.6	1.8	8.5	16	70	14	8.6	2.2	60	3.0	.49	.80
26	1.1	1.8	8.9	89	56	13	7.8	2.4	23	2.7	.62	1.2
27	1.1	2.3	8.2	56	44	15	5.7	2.5	12	2.6	.65	1.3
28	.93	2.0	6.4	36	37	15	4.8	2.7	15	2.5	.57	1.1
29	1.0	4.0	5.9	21	31	15	4.4	2.9	28	3.7	.49	.90
30	.93	23	12	15	---	15	3.9	3.0	116	2.9	.49	.86
31	.95	---	24	12	---	12	---	3.4	---	2.5	.50	---
TOTAL	39.59	102.21	550.0	460.7	3440.1	1242	207.3	78.1	353.0	777.8	36.86	24.04
MEAN	1.28	3.41	17.7	14.9	119	40.1	6.91	2.52	11.8	25.1	1.19	.80
MAX	3.3	23	102	89	703	217	12	3.9	116	225	2.7	1.3
MIN	.60	.94	4.8	4.6	4.1	12	3.9	2.0	1.3	2.5	.49	.39
CFSM	.05	.14	.72	.60	4.82	1.62	.28	.10	.48	1.02	.05	.03
IN.	.06	.15	.83	.69	5.18	1.87	.31	.12	.53	1.17	.06	.04

CAL YR 1975 TOTAL 7497.12 MEAN 20.5 MAX 350 MIN .08 CFSM .83 IN 11.29
WTR YR 1976 TOTAL 7311.70 MEAN 20.0 MAX 703 MIN .39 CFSM .81 IN 11.01

PEAK DISCHARGE (BASE, 260 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-10	2400	6.50	498	03-05	0700	4.59	268
02-17	0900	8.41	758	07-12	0200	5.21	338

03333700 Wildcat Creek at Kokomo, Ind.

LOCATION.--Lat 40°28'24", long 86°09'26", in NE¼NW¼ sec.2, T.23 N., R.3 E., Howard County, on right bank on property of Penn-Dixie Steel Corporation in Kokomo, 0.5 mile (0.8 km) downstream from Kokomo Creek, 0.4 mile (0.6 km) upstream from Dixon Road bridge, and at mile 62.5 (100.6 km).

DRAINAGE AREA.--242 mi^2 (627 km^2).

PERIOD OF RECORD.--October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 775.62 ft (236.409 m) above mean sea level (levels by State of Indiana, Department of Natural Resources).

AVERAGE DISCHARGE.--21 years, 225 ft^3/s (6.372 m^3/s), 12.63 in/yr (321 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,740 ft^3/s (163 m^3/s) Feb. 17, gage height, 10.25 ft (3.124 m); minimum daily, 22 ft^3/s (0.62 m^3/s) Sept. 19.
Period of record: Maximum discharge, 8,100 ft^3/s (229 m^3/s) Feb. 10, 1959; maximum gage height, 11.77 ft (3.587 m) Apr. 21, 1964; minimum daily discharge, 7.2 ft^3/s (0.20 m^3/s) Sept. 30, 1956.

REMARKS.--Records good. Some regulation at low stages for municipal water supply by regulation of Kokomo Reservoirs No. 1 and No. 2; combined capacity, 4,170 acre-ft (5,140,000 m^3).

REVISIONS.--WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	40	132	246	197	252	152	109	67	628	47	35
2	33	36	114	212	183	227	144	109	54	341	51	34
3	32	39	183	202	176	185	133	109	49	217	50	33
4	33	40	174	185	167	768	123	115	41	157	50	28
5	31	39	146	169	157	1790	118	131	39	126	62	25
6	29	40	180	169	148	1430	113	146	35	107	84	26
7	29	61	163	180	141	796	110	110	40	94	53	31
8	32	38	165	165	141	561	107	43	46	83	47	32
9	42	34	159	157	142	420	105	42	49	70	51	47
10	60	49	137	150	399	349	102	47	47	59	49	35
11	52	42	126	148	2030	307	102	47	47	96	49	32
12	47	40	123	144	2260	276	101	46	42	1440	48	28
13	45	40	106	174	1600	258	99	48	61	1300	45	31
14	41	42	117	169	1320	235	98	61	52	593	46	32
15	40	38	704	161	889	214	98	51	76	452	46	38
16	39	35	1110	161	1440	212	94	50	102	374	36	31
17	39	39	750	150	4770	197	89	52	64	241	38	28
18	40	39	430	142	3880	185	87	49	79	169	38	24
19	54	37	304	142	2060	183	87	49	76	129	37	22
20	50	52	241	142	1220	195	89	47	52	104	37	39
21	47	42	161	141	1360	197	92	46	54	94	32	31
22	44	36	185	135	1700	238	87	38	65	90	27	29
23	43	33	142	135	1250	197	86	32	77	84	30	29
24	41	35	126	131	820	181	89	40	230	75	30	30
25	54	37	119	207	648	177	97	40	167	66	33	27
26	47	38	129	304	509	170	103	42	222	61	27	43
27	43	38	119	366	403	180	104	43	165	60	35	34
28	39	43	109	355	337	192	106	41	202	81	39	30
29	39	83	104	273	279	187	107	32	282	75	34	30
30	42	192	157	225	---	178	107	44	820	64	40	29
31	40	---	214	204	---	165	---	77	---	53	37	---
TOTAL	1282	1397	7129	5844	30626	11102	3129	1936	3402	7583	1328	943
MEAN	41.4	46.6	230	189	1056	358	104	62.5	113	245	42.8	31.4
MAX	60	192	1110	366	4770	1790	152	146	820	1440	84	47
MIN	29	33	104	131	141	165	86	32	35	53	27	22
CFSM	.17	.19	.95	.78	4.36	1.48	.43	.26	.47	1.01	.18	.13
IN.	.20	.21	1.10	.90	4.71	1.71	.48	.30	.52	1.17	.20	.14

CAL YR 1975 TOTAL 87989 MEAN 241 MAX 3800 MIN 29 CFSM 1.00 IN 13.53
WTR YR 1976 TOTAL 75701 MEAN 207 MAX 4770 MIN 22 CFSM .86 IN 11.64

PEAK DISCHARGE (BASE, 2,100 FT^3/S).--Feb. 11 (2300) 2,790 ft^3/s (7.14 ft); Feb. 17 (1900) 5,740 ft^3/s (10.25 ft).

03334500 South Fork Wildcat Creek near Lafayette, Ind.

LOCATION.--Lat 40°25'04", long 86°46'05", in SW¼SW¼ sec.21, T.23 N., R.3 W., Tippecanoe County, on right bank 40 ft (12 m) upstream from bridge on State Highway 26, 0.5 mile (0.8 km) upstream from Middle Fork, 4.4 miles (7.1 km) upstream from mouth, and 5 miles (8 km) east of Lafayette.

DRAINAGE AREA.--243 mi^2 (629 km^2).

PERIOD OF RECORD.--October 1943 to current year. Prior to March 1944 monthly discharge only, published in WSP 1305.

GAGE.--Water-stage recorder. Datum of gage is 566.60 ft (172.700 m) above mean sea level (Indiana State Highway Commission bench mark). Prior to July 29, 1954, nonrecording gage at site 40 ft (12 m) downstream at same datum.

AVERAGE DISCHARGE.--33 years, 240 ft^3/s (6.797 m^3/s), 13.41 in/yr (341 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,210 ft^3/s (119 m^3/s) Feb. 17, gage height, 9.76 ft (2.975 m); minimum daily, 29 ft^3/s (0.82 m^3/s) Sept. 6-8, 14.
Period of record: Maximum discharge, 12,600 ft^3/s (357 m^3/s) June 10, 1958, gage height, 15.28 ft (4.657 m), from rating curve extended above 6,000 ft^3/s (170 m^3/s) on basis of contracted-opening measurement at 16.8 ft (5.121 m); minimum daily, 15 ft^3/s (0.42 m^3/s) Sept. 19, 22, 1944, Aug. 30, 31, Sept. 1, 14, 15, 1969.
Flood in May 1943 reached a stage of 16.8 ft (5.12 m), from floodmarks, discharge, 17,900 ft^3/s (507 m^3/s) by contracted-opening measurement.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1335: 1948(M). WSP 1505: 1947. WSP 1725: 1951-53(M), 1955(M). WSP 1909: 1955(P). WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	56	529	255	125	234	151	84	115	892	62	31
2	58	58	301	204	102	313	147	82	109	490	50	31
3	54	55	206	215	96	403	140	77	81	342	44	31
4	54	55	166	192	90	1510	136	77	67	261	44	30
5	53	52	145	155	87	1980	131	76	60	219	44	30
6	56	55	144	186	82	1300	128	76	57	188	48	29
7	53	56	195	172	80	773	125	82	55	166	48	29
8	56	59	193	147	77	545	122	79	53	151	45	29
9	75	58	173	129	74	436	115	73	52	137	43	31
10	75	62	154	146	905	370	113	70	52	123	43	38
11	64	68	136	137	3340	327	113	68	50	111	43	42
12	64	64	125	127	1680	313	111	66	47	104	42	33
13	62	61	122	125	1110	303	108	66	58	103	41	30
14	60	59	132	199	847	257	106	70	61	98	48	29
15	54	53	941	233	612	236	106	80	57	93	60	30
16	51	53	1200	175	1350	235	105	81	64	134	51	30
17	55	55	703	137	3970	224	101	72	69	159	44	31
18	58	55	421	128	2460	209	98	67	60	114	42	32
19	60	53	308	118	1250	221	96	65	81	90	39	31
20	61	53	258	109	841	221	98	63	158	79	38	35
21	61	59	209	103	963	211	107	61	98	74	37	43
22	61	58	171	96	1390	186	109	59	78	72	34	38
23	56	54	160	95	962	172	102	56	164	69	34	34
24	53	50	150	98	633	169	96	55	409	64	34	32
25	61	51	140	128	506	171	101	55	724	59	34	33
26	65	51	130	491	416	165	105	53	397	55	34	38
27	61	54	125	443	343	182	97	52	239	52	34	42
28	57	51	117	287	294	191	90	54	1730	60	33	44
29	62	54	114	245	260	172	87	57	1640	98	32	38
30	60	203	146	189	---	169	84	57	1360	68	31	37
31	59	---	265	150	---	160	---	62	---	58	30	---
TOTAL	1833	1825	8279	5614	24945	12358	3328	2095	8245	4783	1286	1011
MEAN	59.1	60.8	267	181	860	399	111	67.6	275	154	41.5	33.7
MAX	75	203	1200	491	3970	1980	151	84	1730	892	62	44
MIN	51	50	114	95	74	160	84	52	47	52	30	29
CFSM	.24	.25	1.10	.74	3.54	1.64	.46	.28	1.13	.63	.17	.14
IN.	.28	.28	1.27	.86	3.82	1.89	.51	.32	1.26	.73	.20	.15

CAL YR 1975 TOTAL 97408 MEAN 267 MAX 4380 MIN 50 CFSM 1.10 IN 14.91
WTR YR 1976 TOTAL 75602 MEAN 207 MAX 3970 MIN 29 CFSM .85 IN 11.57

PEAK DISCHARGE (BASE, 3,000 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-10	2300	9.31	3,780	06-28	1800	8.69	3,240
02-17	0400	9.76	4,210				

03335000 Wildcat Creek near Lafayette, Ind.

LOCATION (revised).--Lat 40°26'26", long 86°49'45", in SW¼NW¼ sec.13, T.23 N., R.4 W., Tippecanoe County, on right bank about 200 ft (60 m) downstream of bridge on County Road 2A East, 2.8 miles (4.5 km) downstream from South Fork Wildcat Creek, 3.7 miles (6.0 km) northeast of courthouse in Lafayette, and 4.8 miles (7.7 km) upstream from mouth.

DRAINAGE AREA.--794 mi^2 (2,056 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: May 1954 to current year.
CHEMICAL ANALYSES: December 1970 to August 1974.
WATER TEMPERATURE: December 1970 to August 1974.
SEDIMENT DISCHARGE: July 1968 to current year (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 527.66 ft (160.831 m) above mean sea level (Indiana Flood Control and Water Resources Commission bench mark). Non-recording gage prior to June 13, 1957, and August 31, 1974, to May 20, 1976, at present site and datum.

AVERAGE DISCHARGE.--22 years, 757 ft^3/s (21.44 m^3/s), 12.94 in/yr (330 mm/yr).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	180	180	1650	775	390	920	596	295	462	2720	213	121
2	186	183	915	650	330	1100	568	277	420	1770	192	122
3	174	180	624	670	300	1340	548	270	295	1140	172	119
4	162	174	556	570	280	3650	512	277	240	806	162	117
5	177	168	532	500	270	5890	462	258	207	658	164	113
6	168	168	524	580	260	5320	459	264	183	536	174	107
7	150	183	650	550	260	3520	449	277	170	471	207	103
8	180	183	620	470	250	2390	428	284	157	420	215	101
9	270	204	572	410	240	1800	393	251	151	373	169	106
10	344	216	524	450	2630	1490	396	251	155	337	152	116
11	246	228	476	420	8020	1300	396	234	155	310	146	141
12	228	213	442	400	6200	1360	396	241	151	305	147	126
13	210	192	442	390	5280	1370	379	244	525	1400	147	113
14	192	183	476	608	4070	1100	365	249	543	1500	271	104
15	189	171	2590	624	3050	985	372	277	425	847	263	99
16	186	180	3930	480	3730	955	375	281	1110	1060	210	102
17	189	171	2940	430	9340	915	358	255	603	816	180	109
18	186	165	1920	400	8750	865	330	234	417	544	163	118
19	201	159	1250	360	8570	850	326	234	402	425	151	114
20	216	177	925	340	5770	865	330	216	542	352	147	114
21	207	189	725	320	4060	845	340	201	360	308	141	116
22	198	192	568	310	5300	785	354	195	280	282	137	115
23	189	180	500	300	4780	785	344	190	374	267	137	116
24	180	168	470	300	3330	725	337	177	1240	250	132	109
25	201	162	452	434	2380	690	361	169	2160	225	125	107
26	192	150	440	1320	1870	670	361	165	1160	204	124	118
27	225	171	410	1460	1520	715	333	161	778	190	130	129
28	198	183	370	1050	1260	730	309	164	3820	184	131	135
29	192	195	360	780	1090	700	305	172	3550	488	119	139
30	183	580	428	600	---	665	277	174	3070	229	124	125
31	186	---	770	480	---	620	---	219	---	204	123	---
TOTAL	6185	5848	28051	17431	93580	45915	11759	7156	24105	19621	5068	3474
MEAN	200	195	905	562	3227	1481	392	231	804	633	163	116
MAX	344	580	3930	1460	9340	5890	596	295	3820	2720	271	141
MIN	150	150	360	300	240	620	277	161	151	184	119	99
CFSM	.25	.25	1.14	.71	4.06	1.87	.49	.29	1.01	.80	.21	.15
IN.	.29	.27	1.31	.82	4.38	2.15	.55	.34	1.13	.92	.24	.16

CAL YR 1975 TOTAL 298617 MEAN 818 MAX 6840 MIN 150 CFSM 1.03 IN 13.99
WTR YR 1976 TOTAL 268193 MEAN 733 MAX 9340 MIN 99 CFSM .92 IN 12.57

PEAK DISCHARGE (BASE, 6,300 FT^3/S).--Feb. 11 (0700) 8,620 ft^3/s (12.59 ft); Feb. 17 (1000) 9,400 ft^3/s (13.18 ft).

03335000 Wildcat Creek near Lafayette, Ind.--Continued

EXTREMES.--WATER DISCHARGE, Current year: Maximum discharge, 9,400 ft^3/s (266 m^3/s) Feb. 17, gage height, 13.18 ft (4.002 m); minimum daily, 99 ft^3/s (2.80 m^3/s) Sept. 15.

Period of record: Maximum discharge, 25,000 ft^3/s (708 m^3/s) June 10, 1958, gage height, 21.52 ft (6.559 m), from rating curve extended above 18,000 ft^3/s (510 m^3/s); minimum daily, 46 ft^3/s (1.30 m^3/s) Sept. 28, 29, 1954.

Flood of March 1913 reached a stage of about 25.4 ft (7.74 m), from profile by State of Indiana, Department of Natural Resources.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1555: 1955, 1957(M). WSP 2109: Drainage area.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
DEC.							
04...	1130	5.0	536	55	80	--	--
JAN.							
07...	1325	1.0	550	73	108	--	--
FEB.							
12...	1145	1.5	6290	349	5930	--	--
APR.							
21...	0905	18.0	362	25	24	--	--
MAY							
26...	1600	19.0	165	20	8.9	--	--
JUNE							
30...	0935	19.0	3170	692	5920	38	50
AUG.							
04...	0905	19.0	164	102	45	--	--
SEP.							
01...	0920	19.0	115	42	13	--	--

DATE	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM
DEC.							
04...	--	--	--	--	--	--	--
JAN.							
07...	--	--	--	--	--	--	--
FEB.							
12...	--	--	--	--	--	--	--
APR.							
21...	--	--	--	--	--	--	--
MAY							
26...	--	--	--	--	--	--	--
JUNE							
30...	63	75	86	91	94	98	100
AUG.							
04...	--	--	--	--	--	--	--
SEP.							
01...	--	--	--	--	--	--	--

03335500 Wabash River at Lafayette, Ind.

LOCATION (revised).--Lat 40°25'19", long 86°53'49", in NE¼SW¼ sec.20, T.23 N., R.4 W., Tippecanoe County, on right bank 20 ft (6 m) downstream from Brown Street in Lafayette, 0.2 mile (0.3 km) upstream from Main Street bridge, 0.3 mile (0.5 km) downstream from Harrison Memorial Bridge, 5.1 miles (8.2 km) downstream from Wildcat Creek, and at mile 311.9 (501.8 km).

DRAINAGE AREA.--7,267 mi^2 (18,822 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: 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.
WATER TEMPERATURE: July 1954 to September 1964, August 1967 to September 1975.
SEDIMENT DISCHARGE: February 1965 to June 1968, October 1974 to current year (partial-record station).

GAGE.--Water-stage recorder and temperature recorder. Datum of gage is 504.14 ft (153.662 m) above mean sea level. Prior to May 2, 1903, nonrecording gage 0.5 mile (0.8 km) upstream at different datum. Oct. 7, 1923, to Nov. 20, 1933, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--53 years (1923 to current year), 6,412 ft^3/s (181.5 m^3/s), 11.98 in/yr (304 mm/yr).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2800	2700	13400	6540	9380	20500	9140	3950	2870	7530	2480	1220
2	2650	2700	15200	7890	7000	20500	8540	3560	3130	6660	2290	1180
3	2600	2800	11400	8890	6000	20200	7880	3530	3270	5800	2050	1150
4	2500	2800	11100	8000	5000	18000	6370	3350	3420	5180	1890	1150
5	2600	2700	9800	6500	4310	26800	5650	3300	3750	4820	1800	1120
6	2600	2650	7000	5400	4260	31200	5500	3060	3610	4450	1790	1100
7	2600	2560	6450	4600	3990	27400	5280	3240	3180	3940	2000	1090
8	2700	2950	7270	4000	3800	22100	4710	3410	2950	3490	2100	1060
9	3000	3030	7280	3500	3790	19800	4460	3500	2750	3240	2070	1040
10	3500	3510	6420	3250	6420	19300	4030	3340	2510	3090	1980	1290
11	3200	3800	5910	3100	23700	18700	3910	3380	2320	2840	1950	1420
12	2800	3600	5300	3700	30600	18300	3610	2980	2150	2600	1900	1480
13	2600	4320	5170	4200	31800	18000	3610	2750	2180	3220	1870	1800
14	2500	3530	5310	4880	31700	17800	3470	2870	4000	4320	1820	2780
15	2450	3380	10800	4750	27800	17000	3480	2900	4250	4020	1990	3400
16	2400	3110	24700	5250	26000	16200	3470	3060	4150	3470	2200	3800
17	2400	3220	24400	6700	37300	15400	3300	3090	4240	3430	1830	3980
18	2450	2850	18500	7210	43400	14500	3070	3060	4010	3100	1720	3870
19	2500	2790	14600	6480	40200	15100	3160	3010	3650	2580	1530	3300
20	2700	2690	13900	4240	31400	15000	3020	2980	3550	2290	1480	2890
21	2800	2900	13500	4380	27100	15100	3160	2940	3490	2150	1450	2660
22	3300	3010	13100	3890	31500	14400	3130	2610	3220	2060	1420	2370
23	4700	2790	10500	3770	33800	13800	3080	2240	3090	2140	1390	1800
24	4250	2940	7450	4010	30000	13500	3090	2240	3280	2180	1370	1510
25	3800	2810	5620	3960	26900	12800	3530	2130	8670	2070	1360	1380
26	3600	2760	5490	5160	25100	11300	3880	2010	9210	1920	1340	1340
27	3300	2940	5370	6280	23500	9870	4710	2160	8930	1800	1330	1400
28	3100	2830	4770	8760	21800	10700	5530	2080	9150	1780	1320	1430
29	2950	2960	4550	11600	21000	10400	4780	2080	11000	2240	1300	1470
30	2850	5140	4840	10800	---	9320	4450	2170	8590	2510	1290	1530
31	2800	---	5300	10100	---	9280	---	2320	---	2490	1260	---
TOTAL	91000	92770	304400	181790	618550	522270	135000	89300	134570	103410	53570	57010
MEAN	2935	3092	9819	5864	21330	16850	4500	2881	4486	3336	1728	1900
MAX	4700	5140	24700	11600	43400	31200	9140	3950	11000	7530	2480	3980
MIN	2400	2560	4550	3100	3790	9280	3020	2010	2150	1780	1260	1040
CFSM	.40	.43	1.35	.81	2.94	2.32	.62	.40	.62	.46	.24	.26
IN.	.47	.47	1.56	.93	3.17	2.67	.69	.46	.69	.53	.27	.29

CAL YR 1975 TOTAL 2740080 MEAN 7507 MAX 34700 MIN 1450 CFSM 1.03 IN 14.03
WTR YR 1976 TOTAL 2383640 MEAN 6513 MAX 43400 MIN 1040 CFSM .90 IN 12.20

03335500 Wabash River at Lafayette, Ind.--Continued

EXTREMES.--WATER DISCHARGE, Current year: Maximum discharge, 43,900 ft^3/s (1,243 m^3/s) Feb. 18, gage height, 18.98 ft (5.785 m); minimum daily, 1,040 ft^3/s (29.5 m^3/s) Sept. 9.

Period of record: Maximum discharge, 131,000 ft^3/s (3,710 m^3/s) May 19, 1943, gage height, 28.47 ft (8.678 m); minimum daily, 399 ft^3/s (11.3 m^3/s) Sept. 26, 1941.

Flood of Mar. 26, 1913, reached a stage of 32.9 ft (10.03 m), from floodmark determined by National Weather Service, discharge, 190,000 ft^3/s (5,380 m^3/s).

WATER TEMPERATURES, Period of record: Maximum temperature, 32.0°C July 30, 31, 1954; minimum, freezing point on many days during most winter months.

REMARKS.--Records fair. Flow partially regulated by upstream reservoirs and power development.

REVISIONS (WATER YEARS).--WSP 1335: 1929, 1932-33, 1936. WSP 1505: 1950. WSP 1555: 1928(M). WSP 2109: Drainage area.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM
DEC.												
03...	1350	11800	62	1980	--	--	--	--	--	--	--	--
APR.												
21...	1200	2680	66	478	--	--	--	--	--	--	--	--
MAY												
27...	1320	2290	36	223	--	--	--	--	--	--	--	--
JULY												
02...	1130	6440	168	2920	41	54	65	79	89	97	99	10
AUG.												
04...	1320	1950	52	274	--	--	--	--	--	--	--	--
SEP.												
01...	1215	1180	37	118	--	--	--	--	--	--	--	--

03335690 Mud Pine Creek near Oxford, Ind.

LOCATION.--Lat 40°31'24", long 87°20'30", in NE¼SE¼ sec.17, T.24 N., R.8 W., Benton County, on right bank 5 ft (2 m) downstream from county rond bridge, 0.3 mile (0.5 km) north of Chase, 2 miles (3 km) east of Boswell, and 5 miles (8 km) west of Oxford.

DRAINAGE AREA.--39.4 mi^2 (102.0 km^2).

PERIOD OF RECORD.--June 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 718.00 ft (218.846 m) above mean sea level.

AVERAGE DISCHARGE.--5 years (1972 to current year), 41.2 ft^3/s (1.167 m^3/s), 14.20 in/yr (361 mm/yr).

EXTREMES.--Current year: Maximum discharge, 965 ft^3/s (27.3 m^3/s) Feb. 16, gage height, 8.76 ft (2.670 m); maximum gage height, 8.99 ft (2.740 m) Feb. 10 (ice jam); minimum daily, 0.26 ft^3/s (0.007 m^3/s) Sept. 7, 8, 23, 24.
Period of record: Maximum discharge, 1,650 ft^3/s (46.7 m^3/s) June 15, 1974, gage height, 9.72 ft (2.963 m); minimum daily, 0.25 ft^3/s (0.007 m^3/s) Sept. 24, 1971.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	5.1	52	21	11	42	43	12	11	120	1.3	.45
2	8.4	5.1	34	21	9.0	46	36	12	8.7	65	1.1	.44
3	8.0	5.1	23	26	11	44	34	9.7	7.3	44	.91	.45
4	8.0	4.9	20	30	11	70	29	9.0	6.3	32	.91	.45
5	8.0	4.6	17	24	11	181	27	9.7	5.6	25	1.6	.32
6	7.7	4.6	16	21	9.5	115	26	11	5.7	20	2.2	.31
7	7.3	5.1	15	19	9.0	84	24	10	5.4	15	1.7	.26
8	7.3	5.1	15	16	11	66	22	8.4	5.5	13	1.1	.26
9	7.3	4.9	14	16	15	57	21	8.5	5.4	11	.86	1.7
10	6.6	5.7	13	15	500	50	21	8.3	5.1	10	.72	2.2
11	6.3	4.4	12	19	256	50	20	8.1	4.9	8.5	.77	.88
12	6.0	4.6	15	23	112	61	18	7.3	4.9	7.0	1.4	.57
13	6.0	4.4	17	19	105	57	19	8.1	13	6.4	1.4	.40
14	6.0	3.9	21	22	70	49	19	12	31	5.5	10	.30
15	6.0	3.9	213	21	69	42	18	10	11	5.4	5.2	.35
16	5.7	4.1	132	15	387	41	17	9.5	8.6	4.9	2.0	.43
17	5.4	3.9	86	12	451	36	17	8.3	6.1	4.6	1.5	.49
18	5.4	3.6	61	12	212	38	16	7.0	13	3.6	1.3	.48
19	6.0	3.6	50	11	157	38	15	6.6	18	2.8	1.2	.49
20	5.7	5.1	42	11	123	36	16	6.3	6.8	2.6	1.0	.70
21	5.1	6.3	31	10	224	34	19	6.0	5.4	2.3	1.0	.72
22	5.1	4.6	29	10	195	28	16	5.7	4.7	3.0	.96	.43
23	4.9	3.9	25	12	127	27	15	5.8	5.2	2.8	.86	.26
24	4.6	3.9	23	14	109	28	16	5.8	59	2.0	.78	.26
25	7.7	4.1	23	25	91	27	19	5.6	36	1.6	.68	.43
26	6.0	4.1	22	38	75	26	16	5.3	15	1.3	.87	2.4
27	5.7	5.4	18	22	64	128	14	4.7	9.4	1.3	.75	2.6
28	5.1	3.9	16	20	55	113	13	6.0	428	1.6	.60	.97
29	4.9	22	16	21	50	81	12	7.5	208	4.4	.56	.70
30	4.4	102	25	19	---	64	12	13	214	2.1	.42	.60
31	4.6	---	26	13	---	49	---	16	---	1.6	.35	---
TOTAL	194.7	251.9	1122	578	3529.5	1808	610	263.2	1168.0	430.3	46.00	21.30
MEAN	6.28	8.40	36.2	18.6	122	58.3	20.3	8.49	38.9	13.9	1.48	.71
MAX	9.5	102	213	38	500	181	43	16	428	120	10	2.6
MIN	4.4	3.6	12	10	9.0	26	12	4.7	4.7	1.3	.35	.26
CFSM	.16	.21	.92	.47	3.10	1.48	.52	.22	.99	.35	.04	.02
IN.	.18	.24	1.06	.55	3.33	1.71	.58	.25	1.10	.41	.04	.02

CAL YR 1975 TOTAL 16517.50 MEAN 45.3 MAX 771 MIN 1.2 CFSM 1.15 IN 15.59
WTR YR 1976 TOTAL 10022.90 MEAN 27.4 MAX 500 MIN .26 CFSM .70 IN 9.46

PEAK DISCHARGE (BASE, 250 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-15	0800	5.95	288	02-21	1300	6.06	330
02-10	1700	8.99	959	06-28	1300	7.98	724
02-16	2300	8.76	965	06-29	2200	6.28	350

03335700 Big Pine Creek near Williamsport, Ind.

LOCATION.--Lat 40°19'03", long 87°17'26", in SW¼SE¼ sec.26, T.22 N., R.8 W., Warren County, on downstream side of county road bridge, 1.6 miles (2.6 km) north of city limits of Williamsport, and 3.7 miles (6.0 km) (revised) upstream from mouth.

DRAINAGE AREA.--323 mi^2 (837 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: October 1955 to current year.
CHEMICAL ANALYSES: July 1970 to September 1976 (discontinued).
WATER TEMPERATURE: November 1970 to September 1975.

GAGE.--Water-stage recorder and multi-parameter monitor. Datum of gage is 511.68 ft (155.960 m) above mean sea level (levels by State of Indiana, Department of Natural Resources). Prior to May 19, 1967, nonrecording gage and crest-stage gage at same site and datum.

AVERAGE DISCHARGE.--21 years, 261 ft^3/s (7.392 m^3/s), 10.97 in/yr (279 mm/yr).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	119	62	588	229	120	296	365	114	720	1200	38	16
2	109	65	413	207	90	426	319	112	430	672	36	15
3	109	67	277	229	110	436	290	110	290	430	35	15
4	95	67	216	227	110	517	268	101	205	322	35	14
5	93	62	193	236	105	1200	243	95	170	264	35	14
6	90	60	187	210	100	948	233	93	150	230	69	14
7	88	60	191	180	95	665	219	108	135	207	38	14
8	91	61	180	160	110	493	202	95	120	182	35	14
9	93	62	177	150	120	417	191	86	107	157	30	14
10	88	66	163	150	1700	375	186	86	102	136	28	17
11	82	62	149	200	1970	367	185	82	97	123	26	20
12	79	59	146	230	1330	388	172	81	90	107	25	18
13	77	57	156	260	760	450	162	79	300	93	25	16
14	75	54	172	285	582	386	161	119	960	85	28	16
15	75	51	1260	273	438	343	159	119	500	79	28	15
16	75	49	1140	222	1560	328	154	111	279	77	31	16
17	73	49	883	160	2870	309	144	123	203	69	29	16
18	70	47	561	130	2030	294	137	108	183	61	25	15
19	73	46	451	120	1330	293	134	92	278	55	24	15
20	73	49	356	110	943	293	134	85	169	49	21	15
21	72	59	289	110	1110	360	143	81	121	46	19	16
22	68	62	249	110	1420	293	150	75	106	45	19	16
23	65	56	235	120	1150	264	132	72	149	44	19	16
24	64	50	209	150	799	254	128	70	327	41	18	17
25	97	49	193	250	647	256	136	68	441	36	18	16
26	95	49	183	483	532	245	148	68	298	33	18	18
27	90	52	173	298	439	1050	135	68	202	32	18	15
28	82	51	165	235	383	1070	124	79	1210	36	18	20
29	76	60	156	230	339	810	119	110	1890	67	18	18
30	69	459	204	223	---	569	116	370	2140	45	18	17
31	64	---	261	191	---	431	---	530	---	41	17	---
TOTAL	2569	2102	10176	6368	23292	14826	5389	3590	12372	5064	841	478
MEAN	82.9	70.1	328	205	803	478	180	116	412	163	27.1	15.9
MAX	119	459	1260	483	2870	1200	365	530	2140	1200	69	20
MIN	64	46	146	110	90	245	116	68	90	32	17	14
CFSM	.26	.22	1.02	.63	2.49	1.48	.56	.36	1.28	.50	.08	.05
IN.	.30	.24	1.17	.73	2.68	1.71	.62	.41	1.42	.58	.10	.06

CAL YR 1975 TOTAL 123479 MEAN 338 MAX 4240 MIN 27 CFSM 1.05 IN 14.22
WTR YR 1976 TOTAL 87067 MEAN 238 MAX 2870 MIN 14 CFSM .74 IN 10.03

PEAK DISCHARGE (BASE, 2,800 FT^3/S).--Feb. 17 (0100) 2,950 ft^3/s (8.70 ft); June 30 (0100) 3,290 ft^3/s (9.10 ft).

03335700 Big Pine Creek near Williamsport, Ind.--Continued

EXTREMES.--WATER DISCHARGE, Current year: Maximum discharge, 3,290 ft^3/s (93.2 m^3/s) June 30, gage height, 9.10 ft (2.774 m); maximum gage height, 9.24 ft (2.816 m) Feb. 10, as a result of a ice jam; minimum daily discharge, 14 ft^3/s (0.40 m^3/s) Sept. 4-9.
Period of record: Maximum discharge, 12,600 ft^3/s (357 m^3/s) Feb. 10, 1959, from rating curve extended above 6,000 ft^3/s (170 m^3/s) on basis of contracted-opening measurement, gage height, 16.00 ft (4.877 m), from floodmark; minimum daily, 6.5 ft^3/s (0.18 m^3/s) Oct. 6-8, 1966.

REMARKS.--Records fair.

REVISIONS.--WSP 2109: Drainage area.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	ALKALINITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT. 05...	1630	87	14.0	585	8.4	2	251	1.9	306	0
NOV. 11...	1730	61	11.0	580	8.5	1	272	1.7	332	0
DEC. 12...	1600	149	4.0	665	8.6	3	282	1.4	344	0
JAN. 21...	1100	107	.0	650	7.6	2	285	14	348	0
MAR. 01...	1745	295	10.0	626	8.8	2	232	.7	283	0
APR. 05...	1630	236	12.5	590	8.1	3	230	3.6	280	0
MAY 16...	1830	109	18.0	575	7.7	12	236	9.2	288	0
JUNE 15...	1345	390	23.0	514	7.6	13	154	7.6	188	0
JULY 10...	1500	137	27.5	645	8.5	2	245	1.5	299	0
AUG. 12...	1215	26	23.5	655	7.7	5	210	8.2	256	0
SEP. 28...	1515	21	16.0	610	8.3	3	246	2.4	300	0

DATE	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	PERCENT SODIUM	DISSOLVED POTASSIUM (K) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)
OCT. 05...	360	110	8.1	.2	5	1.3	18	64	.4	5.1
NOV. 11...	350	82	9.0	.2	5	2.0	17	70	.2	5.2
DEC. 12...	370	86	8.0	.2	5	1.2	22	70	.4	8.0
JAN. 21...	370	83	9.0	.2	5	1.1	21	71	.2	7.7
MAR. 01...	320	87	5.5	.1	4	1.1	19	57	.3	8.2
APR. 05...	330	100	6.2	.1	4	.9	19	63	.2	6.5
MAY 16...	320	80	7.7	.2	5	2.1	17	66	.2	6.4
JUNE 15...	240	83	3.8	.1	3	2.1	14	38	.2	11
JULY 10...	320	73	7.6	.2	5	1.5	17	58	.2	9.4
AUG. 12...	280	74	8.3	.2	6	2.1	12	69	.2	6.6
SEP. 28...	310	61	9.1	.2	6	2.4	12	71	.2	7.2

03335700 Big Pine Creek near Williamsport, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS_ SOLVED NITRATE (NO3) (MG/L)	DIS_ SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
OCT.									
05...	380	381	89.3	.52	11	.03	.01	2.5	2.5
NOV.									
11...	372	389	61.3	.51	3.0	.03	.01	.68	.69
DEC.									
12...	419	421	169	.57	18	.07	.02	4.0	4.0
JAN.									
21...	428	424	124	.58	18	.07	.02	4.0	4.0
MAR.									
01...	374	367	298	.51	27	.10	.03	6.1	6.1
APR.									
05...	375	349	239	.51	3.4	.03	.01	.76	.77
MAY									
16...	375	358	110	.51	10	.26	.08	2.3	2.4
JUNE									
15...	345	293	363	.47	>48	.36	.11	>11	>11
JULY									
10...	437	374	162	.59	24	.03	.01	5.5	5.5
AUG.									
12...	332	318	23.3	.45	.09	.03	.01	.02	.03
SEP.									
28...	365	355	20.7	.50	1.7	.03	.01	.39	.40

DATE	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	SUS-PENDED MAN-GANESE (MN) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED ORTHO PHOS-PHATE (PO4) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)
OCT.										
05...	88	34	120	20	20	30	10	.03	.02	.01
NOV.										
11...	84	35	110	10	20	20	0	.03	.08	.01
DEC.										
12...	88	36	190	50	0	10	20	.06	.03	.02
JAN.										
21...	90	35	130	20	10	30	20	.03	.02	.01
MAR.										
01...	80	29	650	10	20	30	10	.12	.06	.04
APR.										
05...	81	31	410	130	0	20	20	.03	.03	.01
MAY										
16...	74	32	250	30	20	20	0	.03	.04	.01
JUNE										
15...	62	20	7600	20	290	290	0	.21	--	.07
JULY										
10...	78	30	550	0	20	30	10	.09	.06	.03
AUG.										
12...	61	32	530	10	70	80	10	.03	.06	.01
SEP.										
28...	72	31	370	20	30	40	10	.15	.04	.05

03336000 Wabash River at Covington, Ind.

LOCATION.--Lat 40°08'24", long 87°24'20", in NE¼NW¼ sec.35, T.20 N., R.9 W., on Fountain-Warren county line, near center of span on downstream side of bridge on U.S. Highway 136 at Covington, 2.9 miles (4.7 km) downstream from Oppossum Run, 3.6 miles (5.8 km) upstream from Spring Creek, and at mile 271.1 (436.2 km).

DRAINAGE AREA.--8,218 mi^2 (21,285 km^2).

PERIOD OF RECORD.--October 1939 to current year. Gage-height records collected at site 0.4 mile (0.6 km) downstream January 1927 to December 1930, and at present site since December 1930, are contained in reports of National Weather Service.

GAGE.--Nonrecording gage. Datum of gage is 473.97 ft (144.466 m) above mean sea level.

AVERAGE DISCHARGE.--37 years, 7,288 ft^3/s (206.4 m^3/s), 12.04 in/yr (306 mm/yr).

EXTREMES.--Current year: Maximum discharge, 43,000 ft^3/s (1,220 m^3/s) Feb. 19, gage height, 23.00 ft (7.010 m); minimum daily, 1,320 ft^3/s (37.4 m^3/s) Sept. 6.
Period of record: Maximum discharge, 147,000 ft^3/s (4,160 m^3/s) May 20, 1943, gage height, 32.44 ft (9.888 m); minimum daily, 487 ft^3/s (13.8 m^3/s) Sept. 29, 1941.
Flood in March 1913 reached a stage of 35.1 ft (10.70 m), from floodmark determined by National Weather Service, discharge, 200,000 ft^3/s (5,660 m^3/s).

REMARKS.--Records good. Flow partially regulated by upstream reservoirs and power development.

REVISIONS.--WSP 1275: Drainage area. WRD Ind. 1973: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3570	3050	8150	6380	12000	21200	10300	4950	3970	11200	2570	1390
2	3440	3050	14000	7300	9780	20600	9770	4440	4540	8990	2520	1360
3	3420	3130	13800	8380	7300	20800	9120	4100	4200	7380	2260	1370
4	3260	3120	11600	9020	5700	19900	8220	4050	4000	6170	2090	1440
5	3150	3050	10300	8300	4800	21400	7160	3900	4270	5660	1980	1380
6	3130	2900	8570	7160	4500	25200	6670	3950	4220	5080	2170	1320
7	3100	3120	7020	6500	4300	28500	6450	3920	3700	4530	2170	1390
8	3180	3040	6810	5790	3800	27900	6200	3950	3190	3910	2310	1390
9	3280	3080	7410	4800	4200	23900	5620	4100	3020	3480	2270	1330
10	3600	3200	7090	4000	8720	21400	5190	3990	2730	3480	2080	1570
11	3560	3760	6480	3200	18000	20000	4970	3970	2620	3110	1970	1950
12	3540	3920	6120	3700	23600	19200	4780	3750	2400	2820	1890	1770
13	3360	3950	5600	4200	26500	18800	4560	3330	2570	3000	1960	2070
14	3100	4410	5730	5000	28400	18400	4520	3600	4220	4400	2730	2790
15	2960	3800	9350	5600	29100	17700	4410	3600	5490	4770	2240	3590
16	2900	3610	16800	5300	28800	16800	4380	3530	5000	3870	2550	3920
17	2830	3420	21800	6000	30600	16100	4280	3640	5070	3670	2510	4040
18	2810	3370	22200	6800	36200	15100	4050	3510	4500	3550	2430	3910
19	2960	3100	18300	5700	42000	14900	3870	3260	4090	2960	1930	3370
20	2990	2980	14500	4900	41400	15100	3960	3210	4080	2630	1880	2820
21	3020	3030	13500	4500	35600	15100	3910	3140	4080	2380	1800	2570
22	3460	3210	13100	4200	31200	14900	3950	2970	3490	2320	1720	2290
23	4290	3260	12000	4000	31600	14200	3850	2740	3510	2460	1700	1990
24	4700	3140	9500	4250	32800	13800	3820	2690	4680	2540	1620	1730
25	4350	3190	6950	5000	30800	13600	3920	2690	6680	2400	1590	1670
26	4100	3080	6220	8330	28400	12600	4450	2430	9320	2230	1590	1650
27	3870	3050	6110	8560	26100	11800	5360	2550	9340	2330	1570	1680
28	3620	3190	5720	8000	23900	12000	6500	2700	10200	2060	1570	1710
29	3370	3260	5170	10800	22400	12500	5920	2510	13700	2380	1550	1730
30	3330	4270	5030	13700	---	11300	5210	2800	13700	2970	1520	1770
31	3260	---	5740	13000	---	10400	---	2940	---	2730	1500	---
TOTAL	105510	99740	310670	202370	632500	545100	165370	106910	156580	121460	62240	62960
MEAN	3404	3325	10020	6528	21810	17580	5512	3449	5219	3918	2008	2099
MAX	4700	4410	22200	13700	42000	28500	10300	4950	13700	11200	2730	4040
MIN	2810	2900	5030	3200	3800	10400	3820	2430	2400	2060	1500	1320
CFSM	.41	.40	1.22	.79	2.65	2.14	.67	.42	.64	.48	.24	.26
IN.	.48	.45	1.41	.92	2.86	2.47	.75	.48	.71	.55	.28	.28

CAL YR 1975 TOTAL 3094860 MEAN 8479 MAX 34100 MIN 2300 CFSM 1.03 IN 14.01
WTR YR 1976 TOTAL 2571410 MEAN 7026 MAX 42000 MIN 1320 CFSM .85 IN 11.64

03339000 Vermilion River near Danville, Ill.

LOCATION.--Lat 40°05'53", long 87°35'37", in SE¼NW¼ sec.22, T.19 N., R.11 W., Vermilion County, on left bank 1.5 mile (2.4 km) upstream from Stony Creek and 2.5 miles (4.0 km) southeast of Danville.

DRAINAGE AREA.--1,290 mi^2 (3,341 km^2).

PERIOD OF RECORD.--October 1914 to September 1921, June 1928 to current year. Monthly discharge only for some periods, published in WSP 1305.

GAGE.--Water-stage recorder. Datum of gage is 503.33 ft (153.415 m) above mean sea level (levels by Corps of Engineers). Prior to Jan. 9, 1935, nonrecording gage at site 0.3 mile (0.5 km) upstream at same datum.

AVERAGE DISCHARGE.--55 years, 929 ft^3/s (26.31 m^3/s), 9.78 in/yr (248 mm/yr).

EXTREMES.--Current year: Maximum discharge, 11,400 ft^3/s (323 m^3/s) Feb. 17, gage height, 16.03 ft (4.886 m); minimum discharge, 34 ft^3/s (0.96 m^3/s) Sept. 7.
Period of record: Maximum discharge, 48,700 ft^3/s (1,380 m^3/s) Mar. 13, 1939, gage height, 28.59 ft (8.714 m); minimum daily, 2 ft^3/s (0.057 m^3/s) Oct. 9-14, 1920, Aug. 10, 1930.

REMARKS.--Records good except those for winter periods, which are poor. Flow regulated at times by storage at Lake Vermilion on North Fork Vermilion River, 4.5 miles (7.2 km) above station, usable capacity, 7,440 acre-feet (9.17 hm^3), and by Danville sewage-disposal plant.

REVISIONS (WATER YEARS).--WSP 853: 1936(M). WSP 973: 1939. WSP 1305: 1915-16, 1920, 1929. WSP 1335: 1934(m). WSP 1909: 1960. WDR IL-75: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	252	213	3500	1250	400	1080	1450	326	944	4720	178	47
2	227	221	2550	1090	330	1160	1080	307	1690	2170	164	47
3	214	206	1470	1000	300	1400	1000	287	1100	1330	103	49
4	223	208	1090	900	300	1710	1040	305	504	986	192	76
5	215	205	970	700	300	4240	1030	345	400	764	178	50
6	213	206	908	740	270	6400	867	374	340	902	173	45
7	213	225	882	700	250	5140	745	347	300	642	304	42
8	311	254	825	450	280	3760	695	321	276	427	224	41
9	610	253	775	400	330	2370	643	306	261	394	139	64
10	815	244	710	520	1710	1790	622	300	246	362	106	61
11	583	239	648	600	6400	1930	619	300	235	332	96	96
12	448	246	611	560	4990	1970	584	300	225	297	96	74
13	381	227	609	560	2460	2160	550	300	225	265	81	52
14	353	219	667	540	1910	1830	540	300	220	239	113	51
15	329	202	4010	520	1680	1340	531	327	220	250	105	50
16	313	198	6470	500	4060	1580	510	340	319	239	97	48
17	293	190	4420	420	11000	1320	465	405	293	233	88	48
18	284	185	2450	390	10400	1100	429	616	252	196	66	48
19	280	182	1660	390	7450	1230	388	458	220	153	56	45
20	269	184	1730	390	4750	1280	403	360	376	110	52	72
21	258	192	1400	380	3980	1310	412	295	422	96	53	67
22	247	201	1060	370	5210	1180	390	276	354	97	50	93
23	233	190	975	381	5170	933	365	259	298	124	47	56
24	216	169	820	477	3380	800	373	245	519	124	47	45
25	286	167	780	646	2390	855	480	237	1540	92	46	45
26	328	170	806	884	2430	866	458	232	1020	78	59	55
27	288	191	758	638	1840	1660	427	226	740	122	61	55
28	272	179	691	493	1620	3610	388	241	643	125	62	104
29	257	197	659	509	1240	3340	333	259	2290	172	55	77
30	236	1240	829	513	---	1860	331	336	4600	129	51	59
31	219	---	1200	469	---	1870	---	448	---	158	48	---
TOTAL	9666	7203	46933	18380	86830	63074	18148	9978	21072	16328	3190	1762
MEAN	312	240	1514	593	2994	2035	605	322	702	527	103	58.7
MAX	815	1240	6470	1250	11000	6400	1450	616	4600	4720	304	104
MIN	213	167	609	370	250	800	331	226	220	78	46	41
CFSM	.24	.19	1.17	.46	2.32	1.58	.47	.25	.54	.41	.08	.05
IN.	.28	.21	1.35	.53	2.50	1.82	.52	.29	.61	.47	.09	.05

CAL YR 1975 TOTAL 417803 MEAN 1145 MAX 12200 MIN 136 CFSM .89 IN 12.05
WTR YR 1976 TOTAL 302564 MEAN 827 MAX 11000 MIN 41 CFSM .64 IN 8.73

PEAK DISCHARGE (BASE, 6,000 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-16	0015	12.20	7,470	02-17	1230	16.03	11,400
02-11	0315	12.94	8,200	03-06	0230	11.37	6,680

03339108 East Fork Coal Creek near Hillsboro, Ind.

LOCATION.--Lat 40°06'06", long 87°07'54", in NW¼SW¼ sec.8, T.19 N., R.6 W., Fountain County, at center pier on downstream side of bridge on County Road 700 East, 1.5 miles (2.4 km) east of Hillsboro, 3.7 miles (6.0 km) northwest of Waynetown, and 9.6 miles (15.4 km) upstream from mouth.

DRAINAGE AREA.--33.4 mi^2 (86.5 km^2).

PERIOD OF RECORD.--September 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 673.76 ft (205.362 m) above mean sea level.

AVERAGE DISCHARGE.--8 years, 38.6 ft^3/s (1.093 m^3/s), 15.69 in/yr (399 mm/yr).

EXTREMES.--Current year: Maximum discharge recorded, 1,420 ft^3/s (40.2 m^3/s) June 29, gage height, 7.71 ft (2,350 m), but may have been more Feb. 17, during period of no gage-height record; minimum daily, 4.5 ft^3/s (0.13 m^3/s) Sept. 8.
Period of record: Maximum discharge, 2,180 ft^3/s (61.7 m^3/s) June 13, 1972, gage height, 9.69 ft (2.954 m); minimum daily, 3.7 ft^3/s (0.10 m^3/s) Sept. 19, 1971.

REMARKS.--Records good except those for periods of no gage-height record Jan. 28 to Apr. 5, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	12	61	40	15	29	23	14	84	86	7.9	5.4
2	11	12	35	35	15	28	23	13	44	82	7.4	5.4
3	10	11	24	30	15	50	22	13	25	63	7.0	5.4
4	10	11	21	26	14	180	21	12	19	41	7.0	5.4
5	9.5	11	19	23	14	230	21	12	16	29	7.0	4.8
6	9.7	11	27	21	14	150	20	13	14	23	209	4.7
7	9.6	14	26	20	14	100	19	12	14	20	29	4.7
8	16	13	21	19	14	65	19	12	13	18	18	4.5
9	16	12	19	18	14	51	18	12	12	16	13	13
10	13	17	16	18	60	40	18	12	11	14	10	7.6
11	12	14	15	17	400	36	19	11	11	13	9.6	5.7
12	11	13	14	17	250	36	18	11	10	12	9.6	5.4
13	11	12	17	17	150	36	18	12	10	11	9.1	5.1
14	10	11	18	29	100	33	18	20	10	10	13	5.1
15	11	11	281	30	75	29	18	17	16	11	9.6	5.2
16	11	11	96	22	150	29	18	15	34	12	8.7	5.1
17	11	10	60	18	450	29	16	14	14	10	7.9	5.1
18	12	9.9	47	16	250	28	16	13	12	9.6	7.8	4.8
19	15	9.6	36	14	150	28	16	12	14	8.7	7.4	4.9
20	14	13	29	14	100	28	17	12	11	8.3	7.4	8.9
21	13	13	21	14	120	25	22	11	12	8.3	7.0	6.9
22	13	11	20	13	170	23	17	11	11	10	7.0	6.2
23	13	10	18	13	110	21	16	12	12	9.1	7.0	5.4
24	13	10	17	13	80	20	16	12	66	8.3	6.6	5.4
25	17	11	16	33	64	23	18	12	32	7.9	6.8	5.6
26	15	10	15	127	48	20	16	12	19	7.4	15	7.1
27	14	12	15	112	40	22	15	12	14	15	8.0	7.0
28	13	10	14	45	34	33	14	15	491	11	6.2	6.4
29	13	23	15	22	32	27	14	15	491	12	5.7	6.2
30	12	141	44	18	---	25	14	18	287	8.7	5.4	6.2
31	12	---	55	16	---	24	---	20	---	8.3	5.4	---
TOTAL	381.8	489.5	1132	870	2962	1498	540	412	1829	603.6	485.5	178.6
MEAN	12.3	16.3	36.5	28.1	102	48.3	18.0	13.3	61.0	19.5	15.7	5.95
MAX	17	141	281	127	450	230	23	20	491	86	209	13
MIN	9.5	9.6	14	13	14	20	14	11	10	7.4	5.4	4.5
CFSM	.37	.49	1.09	.84	3.05	1.45	.54	.40	1.83	.58	.47	.18
IN.	.43	.55	1.26	.97	3.30	1.67	.60	.46	2.04	.67	.54	.20

CAL YR 1975 TOTAL 14935.6 MEAN 40.9 MAX 427 MIN 6.9 CFSM 1.22 IN 16.63
WTR YR 1976 TOTAL 11382.0 MEAN 31.1 MAX 491 MIN 4.5 CFSM .93 IN 12.68

PEAK DISCHARGE (BASE, 700 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
06-28	0945	6.59	1,040	08-06	0615	5.71	747
06-29	1900	7.71	1,420				

03339500 Sugar Creek at Crawfordsville, Ind.

LOCATION.--Lat 40°02'56", long 86°53'58", in SW¼NW¼ sec.32, T.19 N., R.4 W., Montgomery County, on left bank 327 ft (100 m) upstream from Crawfordsville Electric Light and Power Co.'s dam at Crawfordsville, 0.5 mile (0.8 km) upstream from bridge on State Highway 43, 1.0 mile (1.6 km) downstream from Walnut Fork Sugar Creek, and at mile 40.4 (65.0 km).

DRAINAGE AREA.--509 mi^2 (1,318 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: June 1938 to current year.
SEDIMENT DISCHARGE: February 1972 to current year (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 657.77 ft (200.488 m) above mean sea level.

AVERAGE DISCHARGE.--38 years, 484 ft^3/s (13.71 m^3/s), 12.91 in/yr (328 mm/yr).

EXTREMES.--Current year: Maximum discharge, 7,730 ft^3/s (219 m^3/s) Feb. 17, gage height, 7.25 ft (2.210 m); maximum gage height 7.85 ft (2.393 m) Feb. 11; minimum daily discharge, 19 ft^3/s (0.54 m^3/s) Sept. 7, 8, 18.
Period of record: Maximum discharge, 26,300 ft^3/s (745 m^3/s) June 28, 1957, gage height, 14.48 ft (4.414 m); minimum daily, 2.4 ft^3/s (0.068 m^3/s) Sept. 24-27, 1941.
Flood in March 1913, reached a stage of 17.3 ft (5.27 m) from information by local resident, discharge, about 36,000 ft^3/s (1,020 m^3/s).

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 973: 1939(M). WSP 1275: Drainage area. WSP 1335: 1949.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	86	1550	630	150	422	233	118	495	3030	79	23
2	87	88	761	467	114	381	220	118	697	1220	73	23
3	85	86	452	380	105	353	204	114	398	884	71	23
4	85	85	336	330	100	2070	196	110	269	630	65	23
5	82	83	293	270	96	3890	180	108	204	474	62	21
6	82	82	322	240	94	2550	171	108	156	353	94	21
7	79	88	448	220	92	1520	164	111	140	303	71	19
8	81	96	375	200	90	1060	152	108	126	273	57	19
9	101	98	323	190	90	829	142	98	115	232	51	28
10	150	116	286	180	2740	640	138	95	101	208	49	30
11	134	122	259	170	5290	559	143	89	98	184	44	32
12	114	115	239	170	3090	589	136	85	92	171	41	30
13	102	108	242	170	2170	557	127	82	89	180	44	25
14	91	99	259	545	1740	428	125	89	82	184	140	21
15	85	92	2290	461	1240	383	126	98	124	159	76	21
16	85	89	2760	370	3290	376	123	119	1210	175	49	21
17	84	86	1500	260	7390	366	116	109	597	167	41	21
18	84	85	840	215	5090	337	109	98	303	133	37	19
19	91	85	552	190	2800	360	108	89	364	115	34	23
20	99	86	488	170	1900	351	110	82	325	108	34	25
21	100	94	358	150	2860	389	133	79	223	105	32	32
22	100	97	295	140	3600	364	164	76	188	108	30	30
23	95	88	270	130	2200	303	152	71	208	108	30	25
24	93	85	252	130	1540	285	140	65	808	101	28	21
25	94	85	244	336	1190	280	152	65	1830	98	28	21
26	100	83	230	1920	906	261	155	65	884	92	34	28
27	103	88	220	1190	697	298	142	65	488	89	34	28
28	101	85	210	604	574	322	132	65	2940	82	32	28
29	102	91	200	450	488	283	123	76	4120	85	30	30
30	94	887	298	300	---	275	119	111	4590	79	25	28
31	90	---	777	200	---	249	---	353	---	76	25	---
TOTAL	2962	3558	17929	11378	51726	21330	4435	3119	22264	10206	1540	739
MEAN	95.5	119	578	367	1784	688	148	101	742	329	49.7	24.6
MAX	150	887	2760	1920	7390	3890	233	353	4590	3030	140	32
MIN	79	82	200	130	90	249	108	65	82	76	25	19
CFSM	.19	.23	1.14	.72	3.50	1.35	.29	.20	1.46	.65	.10	.05
IN.	.22	.26	1.31	.83	3.78	1.56	.32	.23	1.63	.75	.11	.05

CAL YR 1975 TOTAL 209569 MEAN 574 MAX 6050 MIN 72 CFSM 1.13 IN 15.32
WTR YR 1976 TOTAL 151186 MEAN 413 MAX 7390 MIN 19 CFSM .81 IN 11.05

PEAK DISCHARGE (BASE, 4,000 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-11	0400	7.85	5,370	03-05	1200	4.56	4,160
02-17	0130	7.25	7,730	06-30	1600	5.70	5,680

03339500 Sugar Creek at Crawfordsville, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM
OCT. 16...	1015	14.0	83	45	10	--	--	--	--	--	--	--
JUNE 30...	1200	--	4350	451	5300	47	62	71	83	90	98	100
SEP. 23...	0830	12.0	23	36	2.2	--	--	--	--	--	--	--

03340500 Wabash River at Montezuma, Ind.

LOCATION.--Lat 39°47'33", long 87°22'26", in SE¼NE¼ sec.35, T.16 N., R.9 W., Parke County, on downstream side of first pier from left bank of bridge on U.S. Highway 36 at Montezuma, 2.0 miles (3.2 km) upstream from Raccoon Creek, 4.9 miles (7.9 km) downstream from Sugar Creek, and at mile 240.0 (386.0 km).

DRAINAGE AREA.--11,118 mi^2 (28,796 km^2).

PERIOD OF RECORD.--October 1927 to current year. July 1924 to September 1927 (gage heights only) in reports of State of Indiana, Department of Natural Resources.

GAGE.--Water-stage recorder. Datum of gage is 457.75 ft (139.522 m) above mean sea level (levels by Corps of Engineers). Oct. 1, 1927, to July 12, 1950, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--49 years, 9,608 ft^3/s (272.1 m^3/s), 11.74 in/yr (298 mm/yr).

EXTREMES.--Current year: Maximum discharge, 59,200 ft^3/s (1,680 m^3/s) Feb. 19, gage height, 24.03 ft (7.324 m); minimum daily, 1,460 ft^3/s (41.4 m^3/s) Sept. 8.
Period of record: Maximum discharge, 184,000 ft^3/s (5,210 m^3/s) May 20, 1943, gage height, 32.83 ft (10.007 m); minimum daily, 571 ft^3/s (16.2 m^3/s) Sept. 24, 1941.
Flood of Mar. 27, 1913, reached a stage of 34.0 ft (10.36 m), from floodmarks, discharge, 230,000 ft^3/s (6,510 m^3/s).

REMARKS.--Records good. Flow partially regulated by upstream reservoirs.

REVISIONS (WATER YEARS).--WSP 1335: 1929, 1931(M). WSP 1505: 1954. WSP 1915: 1954(m). WSP 2109: Drainage area. WRD Ind. 1974: 1973.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4310	4110	11300	10000	12200	28600	14500	6300	5080	24600	3660	1660
2	4230	4030	17200	10500	10800	26700	13700	5910	7260	18200	3300	1590
3	4120	3980	18100	11600	7950	25800	12800	5480	7620	13100	3140	1550
4	4030	4020	15800	12500	6570	27900	12000	5350	6150	11200	2850	1520
5	3930	4090	13900	11400	6460	32400	10800	5140	5400	9010	2820	1520
6	3850	3990	12800	10000	6480	34900	9830	5050	5400	7760	3080	1520
7	3820	4010	10600	8000	5500	35900	9240	5000	5070	7090	3960	1480
8	3920	4110	9530	6500	5220	36700	8790	5070	4380	6170	3260	1460
9	4660	4090	9620	5600	5520	35900	8190	5170	3990	5400	3090	1610
10	5040	4220	9740	5000	10900	32600	7760	5210	3780	4980	2840	1510
11	5160	4400	8980	4500	26400	29000	7330	4980	3570	4720	2630	1550
12	4860	4600	8200	5000	32300	26900	7010	4960	3410	4290	2590	1900
13	4670	4700	7690	6010	32100	25800	6840	4720	3280	3930	2410	1860
14	4320	4800	7340	6850	32400	24800	6580	4750	3610	4380	3060	1950
15	4070	5010	11100	7390	32600	23600	6440	4840	6110	5510	3580	2730
16	3910	4640	23000	7080	34300	22800	6330	4750	6210	5410	2870	3620
17	3830	4310	27000	6960	44400	22200	6250	4810	6720	4670	2900	3970
18	3760	4310	27500	7120	54100	21200	6090	4820	6220	4520	2600	4100
19	3850	4170	25700	6800	58200	20100	5840	4720	5240	4140	2340	4090
20	3920	4000	21000	6660	58400	20300	5670	4410	4930	3640	2200	3740
21	4000	4000	18000	6100	55600	20300	5670	4280	5110	3280	2120	3080
22	4180	4010	16700	5650	54000	20100	5770	4110	4900	3100	2050	2780
23	4910	4080	15900	5370	48400	19200	5720	3930	4280	3030	1970	2530
24	5590	4030	14200	5510	44000	18200	5530	3680	4860	3080	1900	2200
25	5550	3960	11600	6510	41600	17600	5480	3600	7540	3110	1830	1900
26	5290	3960	9230	11700	39500	17000	5670	3510	11500	2950	1960	1940
27	5120	3960	8520	10800	36900	16000	6150	3330	11300	4040	1860	1830
28	4870	3930	8130	9060	34000	17400	7080	3540	12600	3730	1820	1810
29	4580	4130	7490	9570	31100	18800	7560	3550	19700	3270	1780	1820
30	4420	5200	7330	12700	---	17600	6700	3670	27500	3430	1730	1840
31	4340	---	8840	13100	---	15300	---	4240	---	3830	1690	---
TOTAL	137110	126850	422040	251540	867900	751600	233320	142880	212720	189570	79890	66660
MEAN	4423	4228	13610	8114	29930	24250	7777	4609	7091	6115	2577	2222
MAX	5590	5200	27500	13100	58400	36700	14500	6300	27500	24600	3960	4100
MIN	3760	3930	7330	4500	5220	15300	5480	3330	3280	2950	1690	1460
CFSM	.40	.38	1.22	.73	2.69	2.18	.70	.41	.64	.55	.23	.20
IN.	.46	.42	1.41	.84	2.90	2.51	.78	.48	.71	.63	.27	.22

CAL YR 1975 TOTAL 4295560 MEAN 11770 MAX 46300 MIN 2870 CFSM 1.06 IN 14.37
WTR YR 1976 TOTAL 3482080 MEAN 9514 MAX 58400 MIN 1460 CFSM .86 IN 11.65

03340800 Big Raccoon Creek near Fincastle, Ind.

LOCATION.--Lat 39°48'45", long 86°57'14", in NW¼SW¼ sec.22, T.16 N., R.5 W., Putnam County, on left bank at downstream side of county road bridge, 1.6 miles (2.6 km) upstream from Ramp Creek, 3.1 miles (5.0 km) west of Fincastle, and at mile 48.8 (78.5 km).

DRAINAGE AREA.--139 mi^2 (360 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: August 1957 to current year. Prior to October 1963, published as Raccoon Creek near Fincastle.
CHEMICAL ANALYSIS: October 1975 to current year.
WATER TEMPERATURE: July 1965 to current year. Prior to October 1975 fragmentary instantaneous observations.
SEDIMENT DISCHARGE: August 1959 to September 1971, October 1973 to current year (partial-record station, October 1971 to September 1973).

GAGE.--Water-stage recorder and multi-parameter monitor. Datum of gage is 686.03 ft (209.102 m) above mean sea level.

AVERAGE DISCHARGE.--19 years, 141 ft^3/s (3.993 m^3/s), 13.78 in/yr (350 mm/yr).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	19	469	181	61	100	77	25	83	589	52	9.5
2	13	19	206	130	55	96	72	25	177	279	31	9.5
3	12	19	124	165	53	96	67	24	91	248	23	9.0
4	12	19	90	113	50	1830	63	23	58	150	20	8.5
5	11	19	80	63	156	1490	59	21	43	104	18	8.5
6	11	18	81	55	327	614	56	21	35	73	627	7.6
7	11	19	106	53	146	359	54	25	30	419	279	7.1
8	13	19	90	51	105	251	50	22	27	114	95	6.7
9	14	19	81	69	298	197	47	20	25	73	56	9.5
10	14	21	74	51	1730	163	46	19	22	53	40	10
11	15	22	68	49	1340	160	46	18	20	43	33	8.0
12	14	21	63	47	426	169	44	17	18	38	27	7.6
13	13	20	60	118	314	170	42	17	16	34	25	7.1
14	12	19	60	315	261	133	41	19	15	29	419	6.7
15	12	18	596	183	185	115	40	20	13	27	175	6.3
16	13	17	562	114	657	119	38	21	12	26	75	5.8
17	14	17	294	84	3440	117	36	20	12	24	45	5.8
18	14	16	178	68	977	115	34	21	11	21	33	5.8
19	15	16	150	59	532	120	33	21	12	18	27	5.8
20	17	17	107	52	374	117	35	18	11	16	23	6.3
21	19	18	81	49	795	195	40	17	11	16	20	5.8
22	20	20	71	44	920	144	40	16	12	57	18	5.8
23	21	19	63	43	439	114	34	14	12	67	16	5.8
24	20	17	58	57	303	103	31	14	18	37	15	5.0
25	21	17	55	479	236	96	34	13	29	26	14	5.0
26	21	17	53	1050	185	89	35	11	34	20	14	5.4
27	22	19	51	260	152	106	30	11	27	68	14	5.8
28	23	19	49	147	127	107	28	13	533	50	12	5.8
29	22	20	46	96	107	96	27	15	511	91	12	6.3
30	21	364	80	80	---	93	26	18	1540	52	10	6.7
31	21	---	254	69	---	81	---	45	---	148	10	---
TOTAL	494	904	4400	4394	14751	7755	1305	604	3458	3010	2278	208.5
MEAN	15.9	30.1	142	142	509	250	43.5	19.5	115	97.1	73.5	6.95
MAX	23	364	596	1050	3440	1830	77	45	1540	589	627	10
MIN	11	16	46	43	50	81	26	11	11	16	10	5.0
CFSM	.11	.22	1.02	1.02	3.66	1.80	.31	.14	.83	.70	.53	.05
IN.	.13	.24	1.18	1.18	3.95	2.08	.35	.16	.93	.81	.61	.06

CAL YR 1975 TOTAL 63434.0 MEAN 174 MAX 3130 MIN 11 CFSM 1.25 IN 16.98
WTR YR 1976 TOTAL 43561.5 MEAN 119 MAX 3440 MIN 5.0 CFSM .86 IN 11.66

PEAK DISCHARGE (BASE, 1,900 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-10	1700	9.04	2,170	03-04	1600	9.84	2,610
02-17	1400	12.18	4,520				

03340800 Big Raccoon Creek near Fincastle, Ind.--Continued

EXTREMES.--WATER DISCHARGE, Current year: Maximum discharge, 4,520 ft^3/s (128 m^3/s) Feb. 17, gage height, 12.18 ft (3.712 m); minimum daily, 5.0 ft^3/s (0.14 m^3/s) Sept. 24, 25.
Period of record: Maximum discharge, 15,100 ft^3/s (428 m^3/s) Jan. 26, 1962; maximum gage height, 15.68 ft (4.779 m) Jan. 26, 1962 (ice jam); minimum daily discharge, 1.8 ft^3/s (0.051 m^3/s) Sept. 16, 17, and Oct. 5, 6, 1964.
Flood of June 28, 1957, reached a stage of 19.10 ft (5.822 m), discharge, 39,900 ft^3/s (1,130 m^3/s), from slope-area measurement.

SPECIFIC CONDUCTANCE, Current year: Maximum conductance, 720 micromhos May 19; minimum, 260 micromhos June 30.
Period of record: Maximum conductance, 720 micromhos May 19, 1976; minimum, 260 micromhos June 30, 1976.

WATER TEMPERATURE, Current year: Maximum temperature, 30°C July 11; minimum, freezing point on many days during winter period.
Period of record: Maximum temperature observed, 31°C July 16, 1966; minimum, freezing point on many days during winter period of most years.

SEDIMENT CONCENTRATION, Current year: Maximum daily concentration, 7,410 mg/L Feb. 17; minimum daily, 5 mg/L Jan. 22.
Period of record: Maximum daily concentration, 27,900 mg/L Jan. 29, 1970; minimum daily, 1 mg/L Apr. 13-15, 1970.

SEDIMENT DISCHARGE, Current year: Maximum daily load, 68,800 tons (62,400 tonnes) Feb. 17; minimum daily, 0.32 tons (0.29 tonnes) Oct. 1.
Period of record: Maximum daily load, 295,000 tons (268,000 tonnes) Dec. 22, 1967; minimum daily, 0.03 ton (0.027 tonnes) Sept. 15, 1964.

REMARKS.--Water discharge records good. Conductance, temperature and sediment discharge records poor.

REVISIONS (WATER YEARS).--WSP 1909: 1958. WSP 2109: Drainage area.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1					---	---	570	539	568	520	596	568
2					---	---	596	570	622	570	568	555
3					---	---	599	586	625	612	---	---
4					---	---	625	583	644	625	---	---
5					---	---	659	625	647	526	---	---
6					---	---	675	659	---	---	---	---
7					---	---	659	625	---	---	---	---
8					---	---	659	625	509	435	---	---
9					---	---	684	659	---	---	---	---
10					---	---	702	687	---	---	---	---
11					---	---	702	678	---	---	---	---
12					---	---	684	650	---	---	---	---
13					---	---	650	404	441	361	---	---
14					644	637	416	356	475	441	---	---
15					620	339	494	409	524	477	---	---
16					488	352	565	499	---	---	---	---
17					541	492	602	568	---	---	---	---
18					591	543	637	604	321	262	---	---
19					620	594	653	637	321	314	---	---
20					622	617	653	641	353	321	---	---
21					620	617	650	637	361	353	---	---
22					644	620	637	628	360	350	---	---
23					653	641	694	602	350	334	---	---
24					650	644	573	505	347	301	---	---
25					644	628	---	---	337	298	---	---
26					625	617	---	---	394	300	---	---
27					622	620	399	266	481	396	---	---
28					625	620	451	405	488	411	---	---
29					---	---	482	441	482	442	---	---
30					622	586	505	482	---	---	---	---
31					578	513	520	507	---	---	---	---
MONTH					---	---	702	266	---	---	---	---

03340800 Big Raccoon Creek near Fincastle, Ind.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1			---	---	557	492	409	309				
2			---	---	622	524	561	421				
3			---	---	644	628	606	566				
4			---	---	641	634	584	557				
5			---	---	641	628	573	547				
6			---	---	---	---	588	564				
7			---	---	---	---	600	567				
8			---	---	---	---	579	524				
9			---	---	---	---	526	476				
10			---	---	---	---	551	484				
11			---	---	---	---	577	558				
12			---	---	---	---	581	541				
13			---	---	---	---	591	543				
14			---	---	---	---	573	536				
15			---	---	617	534	552	532				
16			---	---	555	539	594	543				
17			615	426	567	552	---	---				
18			706	423	575	564	---	---				
19			720	477	579	569	---	---				
20			687	470	589	579	---	---				
21			501	453	592	576	---	---				
22			---	---	599	581	---	---				
23			---	---	596	591	---	---				
24			---	---	598	580	---	---				
25			---	---	593	585	---	---				
26			---	---	595	569	---	---				
27			---	---	594	579	---	---				
28			609	599	607	272	---	---				
29			604	594	481	317	---	---				
30			602	573	453	260	---	---				
31			581	563	---	---	---	---				
MONTH			---	---	---	---	---	---				

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	10.0	6.5			---	---	2.5	2.0	0.5	0.0	12.0	9.0
2	12.0	10.0			---	---	3.5	2.0	0.5	0.0	13.5	12.0
3	---	---			---	---	3.0	1.0	0.5	0.0	15.0	13.0
4	---	---			---	---	0.5	0.0	0.5	0.0	13.0	9.5
5	---	---			---	---	0.0	0.0	0.5	0.0	12.0	9.5
6	---	---			---	---	0.0	0.0	0.5	0.0	9.5	7.5
7	---	---			---	---	0.0	0.0	0.5	0.0	7.5	7.0
8	---	---			---	---	0.0	0.0	0.5	0.0	7.5	7.0
9	---	---			---	---	---	---	0.5	0.0	8.0	7.0
10	---	---			---	---	0.0	0.0	1.0	0.0	8.0	7.0
11	---	---			---	---	0.0	0.0	3.0	1.5	7.5	6.0
12	---	---			---	---	0.5	0.0	4.5	2.0	9.5	7.5
13	---	---			---	---	0.0	0.0	6.5	5.0	9.5	6.5
14	17.0	12.0			12.0	8.5	0.0	0.0	5.5	4.0	7.0	5.0
15	---	---			12.0	7.5	0.0	0.0	7.0	4.5	7.5	6.0
16	---	---			7.5	5.0	0.0	0.0	7.5	6.5	7.0	5.5
17	---	---			4.5	2.0	0.0	0.0	8.0	7.0	5.5	3.5
18	---	---			1.5	0.0	0.0	0.0	7.0	6.5	7.5	4.5
19	---	---			0.0	0.0	0.0	0.0	7.0	6.0	12.0	7.5
20	---	---			0.5	0.0	0.0	0.0	6.0	5.5	13.5	12.0
21	15.5	11.5			0.5	0.0	0.0	0.0	7.5	6.0	13.5	9.0
22	15.5	11.5			0.5	0.0	0.0	0.0	7.5	6.0	9.0	5.5
23	15.0	11.5			0.5	0.0	0.5	0.0	6.0	5.0	10.0	6.5
24	14.5	11.0			1.0	0.0	0.0	0.0	6.0	5.0	11.5	9.0
25	12.0	10.5			1.5	0.5	0.0	0.0	7.5	6.0	14.0	11.0
26	12.0	11.0			0.5	0.0	0.0	0.0	9.0	6.5	16.5	13.0
27	13.5	11.5			1.0	0.5	0.0	0.0	9.0	8.0	16.0	11.5
28	12.5	5.5			1.0	0.5	0.5	0.0	9.0	8.5	13.0	9.5
29	---	---			2.5	1.0	0.5	0.0	9.5	8.5	12.5	11.5
30	---	---			3.5	2.0	0.5	0.0	---	---	14.5	12.0
31	---	---			3.0	2.0	0.5	0.0	---	---	13.5	11.5
MONTH	---	---			---	---	3.5	0.0	9.5	0.0	16.5	3.5

03340800 Big Raccoon Creek near Fincastle, Ind.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	11.5	9.0			---	---	20.0	19.0				
2	12.0	7.5			---	---	21.0	19.5				
3	14.5	10.0			---	---	22.5	20.0				
4	13.0	10.0			---	---	23.5	20.0				
5	13.5	8.5			---	---	23.0	21.0				
6	13.5	10.0			---	---	23.0	21.0				
7	13.0	10.5			---	---	23.0	20.0				
8	11.0	8.0			---	---	25.0	21.0				
9	13.0	7.0			---	---	26.5	22.0				
10	13.0	7.5			---	---	28.5	24.0				
11	12.0	7.5			---	---	30.0	25.5				
12	13.5	6.0			---	---	28.0	25.0				
13	15.5	6.5			---	---	---	---				
14	16.5	8.0			---	---	---	---				
15	15.0	11.5			25.5	24.0	---	---				
16	16.5	12.0			25.0	21.5	---	---				
17	---	---			25.0	19.5	---	---				
18	16.5	11.5			23.5	21.0	---	---				
19	13.5	12.0			23.5	17.5	---	---				
20	16.5	12.0			21.0	17.5	---	---				
21	15.5	12.5			20.5	18.0	---	---				
22	---	---			21.0	18.0	---	---				
23	16.5	11.5			19.0	17.5	---	---				
24	15.5	11.5			19.0	17.5	---	---				
25	---	---			20.5	18.0	---	---				
26	---	---			24.5	18.0	---	---				
27	---	---			24.0	20.0	---	---				
28	---	---			23.0	18.5	---	---				
29	---	---			22.5	20.0	---	---				
30	---	---			21.5	19.0	---	---				
31	---	---			---	---	---	---				
MONTH	---	---			---	---	---	---				

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	13	9	.32	19	44	2.3	469	611	774
2	13	10	.35	19	44	2.3	206	178	99
3	12	11	.36	19	44	2.3	124	43	14
4	12	12	.39	19	44	2.3	90	42	10
5	11	12	.36	19	44	2.3	80	52	11
6	11	12	.36	18	44	2.1	81	57	12
7	11	13	.39	19	44	2.3	106	56	16
8	13	15	.53	19	48	2.5	90	46	11
9	14	20	.76	19	52	2.7	81	44	9.6
10	14	35	1.3	21	59	3.3	74	42	8.4
11	15	46	1.9	22	58	3.4	68	41	7.5
12	14	37	1.4	21	56	3.2	63	39	6.6
13	13	31	1.1	20	55	3.0	60	37	6.0
14	12	28	.91	19	53	2.7	60	35	5.7
15	12	27	.87	18	49	2.4	596	227	365
16	13	28	.98	17	45	2.1	562	134	203
17	14	28	1.1	17	40	1.8	294	77	61
18	14	28	1.1	16	39	1.7	178	57	27
19	15	27	1.1	16	38	1.6	150	44	18
20	17	30	1.4	17	37	1.7	107	36	10
21	19	35	1.8	18	36	1.7	81	32	7.0
22	20	40	2.2	20	35	1.9	71	29	5.6
23	21	42	2.4	19	35	1.8	63	27	4.6
24	20	41	2.2	17	36	1.7	58	25	3.9
25	21	40	2.3	17	36	1.7	55	22	3.3
26	21	40	2.3	17	37	1.7	53	19	2.7
27	22	45	2.7	19	37	1.9	51	16	2.2
28	23	50	3.1	19	37	1.9	49	13	1.7
29	22	48	2.9	20	38	2.1	46	10	1.2
30	21	46	2.6	364	1630	1600	80	135	29
31	21	45	2.6	---	---	---	254	264	181
TOTAL	494	---	44.08	904	---	1664.4	4400	---	1917.0

03340800 Big Raccoon Creek near Fincastle, Ind.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	181	79	39	61	46	7.6	100	28	7.6
2	130	43	15	55	43	6.4	96	30	7.8
3	165	50	22	53	41	5.9	96	31	8.0
4	113	39	12	50	38	5.1	1830	3780	18700
5	63	25	4.3	156	247	104	1490	1880	7560
6	55	16	2.4	327	183	162	614	685	1140
7	53	13	1.9	146	78	31	359	352	341
8	51	15	2.1	105	57	16	251	215	146
9	69	14	2.6	298	1970	1590	197	158	84
10	51	13	1.8	1730	4670	21800	163	129	57
11	49	12	1.6	1340	1510	5460	160	115	50
12	47	11	1.4	426	302	347	169	142	65
13	118	113	36	314	61	52	170	118	54
14	315	114	97	261	47	33	133	80	29
15	183	43	21	185	36	18	115	66	20
16	114	28	8.6	657	6240	11100	119	67	22
17	84	19	4.3	3440	7410	68800	117	56	18
18	68	14	2.6	977	2840	7490	115	48	15
19	59	9	1.4	532	611	878	120	52	17
20	52	7	.98	374	152	153	117	56	18
21	49	6	.79	795	1350	2900	195	168	88
22	44	5	.59	920	883	2190	144	115	45
23	43	8	.93	439	147	174	114	82	25
24	57	43	6.6	303	99	81	103	66	18
25	479	2080	2690	236	77	49	96	59	15
26	1050	1420	4030	185	55	27	89	55	13
27	260	394	277	152	47	19	106	86	25
28	147	159	63	127	39	13	107	83	24
29	96	72	19	107	34	9.8	96	68	18
30	80	53	11	---	---	---	93	64	16
31	69	49	9.1	---	---	---	81	64	14
TOTAL	4394	---	7385.99	14751	---	123521.8	7755	---	28660.4

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	77	62	13	25	49	3.3	83	222	50
2	72	60	12	25	48	3.2	177	345	165
3	67	60	11	24	47	3.0	91	131	32
4	63	58	9.9	23	45	2.8	58	88	14
5	59	56	8.9	21	44	2.5	43	70	8.1
6	56	56	8.5	21	46	2.6	35	59	5.6
7	54	57	8.3	25	81	5.5	30	51	4.1
8	50	57	7.7	22	78	4.6	27	48	3.5
9	47	55	7.0	20	70	3.8	25	46	3.1
10	46	53	6.6	19	67	3.4	22	48	2.9
11	46	52	6.5	18	65	3.2	20	48	2.6
12	44	52	6.2	17	64	2.9	18	48	2.3
13	42	53	6.0	17	63	2.9	16	48	2.1
14	41	50	5.5	19	60	3.1	15	48	1.9
15	40	49	5.3	20	58	3.1	13	48	1.7
16	38	50	5.1	21	57	3.2	12	47	1.5
17	36	49	4.8	20	55	3.0	12	46	1.5
18	34	49	4.5	21	54	3.1	11	45	1.3
19	33	47	4.2	21	53	3.0	12	44	1.4
20	35	47	4.4	18	52	2.5	11	42	1.2
21	40	63	6.8	17	50	2.3	11	40	1.2
22	40	73	7.9	16	48	2.1	12	37	1.2
23	34	62	5.7	14	46	1.7	12	35	1.1
24	31	53	4.4	14	44	1.7	18	46	2.2
25	34	55	5.0	13	42	1.5	29	61	4.8
26	35	70	6.6	11	39	1.2	34	64	5.9
27	30	58	4.7	11	36	1.1	27	44	3.2
28	28	55	4.2	13	35	1.2	533	408	587
29	27	52	3.8	15	37	1.5	511	183	252
30	26	50	3.5	18	41	2.0	1540	516	2150
31	---	---	---	45	107	13	---	---	---
TOTAL	1305	---	198.0	604	---	94.0	3458	---	3314.4

03340800 Big Raccoon Creek near Fincastle, Ind.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	589	331	526	52	82	12	9.5	45	1.2
2	279	183	138	31	63	5.3	9.5	44	1.1
3	248	181	121	23	48	3.0	9.0	42	1.0
4	150	123	50	20	39	2.1	8.5	40	.92
5	104	116	33	18	35	1.7	8.5	38	.87
6	73	79	16	627	426	721	7.6	36	.74
7	419	192	217	279	213	160	7.1	34	.65
8	114	86	26	95	116	30	6.7	32	.58
9	73	65	13	56	92	14	9.5	38	.97
10	53	54	7.7	40	78	8.4	10	46	1.2
11	43	44	5.1	33	70	6.2	8.0	42	.91
12	38	39	4.0	27	65	4.7	7.6	40	.82
13	34	35	3.2	25	63	4.3	7.1	38	.73
14	29	34	2.7	419	342	387	6.7	37	.67
15	27	33	2.4	175	182	86	6.3	35	.60
16	26	32	2.2	75	132	27	5.8	34	.53
17	24	32	2.1	45	89	11	5.8	33	.52
18	21	31	1.8	33	70	6.2	5.8	32	.50
19	18	30	1.5	27	62	4.5	5.8	31	.49
20	16	30	1.3	23	57	3.5	6.3	32	.54
21	16	29	1.3	20	55	3.0	5.8	32	.50
22	57	165	25	18	53	2.6	5.8	31	.49
23	67	114	21	16	50	2.2	5.8	31	.49
24	37	65	6.5	15	49	2.0	5.0	33	.45
25	26	50	3.5	14	49	1.9	5.0	34	.46
26	20	47	2.5	14	48	1.8	5.4	32	.47
27	68	147	27	14	49	1.9	5.8	31	.49
28	50	109	15	12	48	1.6	5.8	31	.49
29	91	177	43	12	47	1.5	6.3	33	.56
30	52	89	12	10	46	1.2	6.7	34	.62
31	148	236	94	10	46	1.2	---	---	---
TOTAL	3010	---	1424.8	2278	---	1518.8	208.5	---	20.56
YEAR	43561.5		169744.2						

03340870 Cecil M. Harden Lake at Ferndale, Ind.
(Formerly published as Mansfield Lake at Ferndale)

LOCATION.--Lat 39°43'02", long 87°04'20", in SE¼NE¼ sec.28, T.15 N., R.6 W., Parke County, in discharge tower of reservoir on Big Raccoon Creek at Ferndale, 4.4 miles (7.1 km) upstream from Rocky Fork Creek, 6.1 miles (9.8 km) northeast of Mansfield, and at mile 33.8 (54.4 km).

DRAINAGE AREA.--216 mi^2 (559 km^2).

PERIOD OF RECORD.--December 1960 to current year. Published as "Mansfield Reservoir" prior to October 1970 and as "Mansfield Lake" October 1970 to September 1974.

GAGE.--Water-stage recorder. Datum of gage is 600.00 ft (182.880 m) above mean sea level (levels by Corps of Engineers).

EXTREMES.--Current year: Maximum contents, 60,070 acre-ft (74.1 hm^3) Mar. 15, elevation, 665.95 ft (202.982 m); minimum, 16,170 acre-ft (19.94 hm^3) Jan. 15, elevation, 639.99 ft (195.069 m).
Period of record: Maximum contents, 87,510 acre-ft (107 hm^3) May 4, 1964, elevation, 676.52 ft (206.203 m); minimum, 16,080 acre-ft (19.8 hm^3) many times, elevation, 639.9 ft (195.04 m).

REMARKS.--Reservoir is formed by earth-fill dam. Releases normally controlled by three gates, 4 ft (1.22 m) wide and 8 ft (2.44 m) high, in semi-elliptical concrete conduit through dam. Minimum design capacity is 16,180 acre-ft (19.9 hm^3), elevation, 640 ft (195.1 m). Seasonal pool capacity is 49,300 acre-ft (60.8 hm^3), elevation, 661 ft (201.5 m). Capacity at uncontrolled spillway elevation, 690 ft (210.3 m) is 133,000 acre-ft (164 hm^3). Reservoir is used for flood control and recreation. Reservoir put in operation on Dec. 6, 1960.

COOPERATION.--Water-stage recorder graph and capacity tables furnished by Corps of Engineers.

Month-end elevation and contents, water year October 1975 to September 1976

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	659.51	46,250	-
Oct. 31	653.81	35,680	-10,570
Nov. 30	641.21	17,520	-18,160
Dec. 31	640.60	16,840	-680
Calendar year 1975	-	-	-270
Jan. 31	640.14	16,340	-500
Feb. 29	659.34	45,910	+29,570
Mar. 31	658.98	45,190	-720
Apr. 30	657.48	42,310	-2,880
May 31	657.42	42,200	-110
June 30	660.26	47,750	+5,550
July 31	661.30	49,880	+2,130
Aug. 31	660.69	48,610	-1,270
Sept. 30	659.59	46,410	-2,200
Water year 1976	-	-	+160

03341300 Big Raccoon Creek at Coxville, Ind.

LOCATION.--Lat 39°39'09", long 87°17'37", in SW¼SW¼ sec.15, T.14 N., R.8 W., Parke County, on right bank at downstream side of covered bridge on county road at Coxville, 0.8 mile (1.3 km) upstream from Rock Run, 1.5 miles (2.4 km) downstream from Little Raccoon Creek, 2.1 miles (3.4 km) northwest of Rosedale, and at mile 13.1 (21.1 km).

DRAINAGE AREA.--448 mi^2 (1,160 km^2).

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

GAGE.--Water-stage recorder. Datum of gage is 494.00 ft (150.571 m) above mean sea level (Indiana Flood Control and Water Resources Commission bench mark).

AVERAGE DISCHARGE.--20 years, 483 ft^3/s (13.67 m^3/s), 14.64 in/yr (372 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,470 ft^3/s (98.3 m^3/s) March 4, gage height, 11.30 ft (3.444 m); minimum daily, 63 ft^3/s (1.78 m^3/s) Sept. 14, 15, 17, 18.
Period of record: Maximum discharge, 108,000 ft^3/s (3,060 m^3/s) June 28, 1957, gage height, 21.23 ft (6.471 m), from rating curve extended above 35,000 ft^3/s (991 m^3/s) on basis of an estimate made by slope-area study; minimum daily, 6.5 ft^3/s (0.18 m^3/s) Oct. 10, 1956.

REMARKS.--Records good. Flow regulated by Cecil M. Harden Lake (See sta 03340870).

REVISIONS (WATER YEARS).--WSP 2109: Drainage area. WRD Ind. 1974: 1973.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	123	383	479	469	308	366	634	142	136	264	280	72
2	123	381	481	433	266	352	614	139	130	186	252	72
3	108	381	479	474	233	339	596	136	124	149	139	70
4	100	379	637	483	207	2320	584	132	113	128	113	69
5	99	379	447	375	381	2440	569	118	103	113	103	67
6	98	377	280	277	678	1340	554	118	96	130	106	66
7	96	394	246	258	366	889	358	122	91	169	168	65
8	106	433	273	240	511	685	319	114	88	236	415	64
9	116	431	270	235	675	586	256	111	84	351	394	69
10	104	438	253	219	1610	523	238	110	82	235	151	78
11	100	438	201	184	1440	518	216	110	79	148	117	68
12	99	427	192	181	685	518	204	110	77	112	105	65
13	98	422	187	250	567	509	192	110	74	126	100	64
14	96	418	181	418	504	456	186	110	72	107	118	63
15	96	416	564	518	420	467	180	110	72	96	354	63
16	99	411	645	310	700	979	174	108	92	120	442	64
17	110	407	405	282	2300	1150	168	106	75	89	247	63
18	285	402	287	235	1500	1150	159	104	71	83	160	63
19	310	400	256	221	850	1150	158	102	79	80	140	66
20	317	407	237	198	650	1150	164	100	72	77	128	177
21	366	405	233	190	1510	1350	189	96	74	76	99	87
22	372	396	579	186	1380	1200	192	94	73	77	89	75
23	377	392	609	166	869	1150	168	90	70	74	84	70
24	379	385	591	199	657	1090	161	88	82	72	80	68
25	387	385	266	554	562	697	162	86	83	70	77	68
26	385	383	230	1390	495	650	166	84	73	68	115	71
27	383	385	217	591	447	738	155	83	69	112	153	74
28	383	377	205	787	411	794	151	88	215	149	88	72
29	392	368	201	1030	385	719	148	92	208	212	77	71
30	389	697	284	986	---	726	143	90	351	234	73	75
31	385	---	431	483	---	666	---	112	---	247	71	---
TOTAL	6881	12297	10846	12822	21567	27667	8158	3315	3108	4390	5038	2179
MEAN	222	410	350	414	744	892	272	107	104	142	163	72.6
MAX	392	697	645	1390	2300	2440	634	142	351	351	442	177
MIN	96	368	181	166	207	339	143	83	69	68	71	63
CFSM	.50	.92	.78	.92	1.66	1.99	.61	.24	.23	.32	.36	.16
IN.	.57	1.02	.90	1.06	1.79	2.30	.68	.28	.26	.36	.42	.18

CAL YR 1975 TOTAL 208185 MEAN 570 MAX 4680 MIN 74 CFSM 1.27 IN 17.29
WTR YR 1976 TOTAL 118268 MEAN 323 MAX 2440 MIN 63 CFSM .72 IN 9.82

03341470 North Coal Creek near Terre Haute, Ind.

LOCATION.--Lat 39°32'52", long 87°25'40", in NE¼NE¼ sec.29, T.13 N., R.9 W., Vigo County, on right bank 0.2 mile (0.3 km) upstream from County Road 56 West, 0.4 mile (0.6 km) upstream from mouth, 0.5 mile (0.8 km) east of State Highway 63, and 4.0 miles (6.4 km) northwest of the junction of State Highway 63 and U.S. Highway 41 in Terre Haute.

DRAINAGE AREA.--1.91 mi^2 (4.95 km^2).

PERIOD OF RECORD.--May 1974 to Sept. 30, 1976 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 478.92 ft (145.975 m) above mean sea level (levels by Peabody Coal Company).

EXTREMES.--Current year: Maximum discharge, about 200 ft^3/s (5.66 m^3/s) Mar. 4, gage height unknown; no flow June 6-9, 15-20, Sept. 1-8.
Period of record: Maximum discharge, 288 ft^3/s (8.16 m^3/s) June 22, 1974, gage height, 2.75 ft (0.838 m); no flow June 6-9, 15-20, Sept. 1-8, 1976.

REMARKS.--Records poor. No gage-height record Jan. 5 to Feb. 29, Mar. 4-15, Sept. 2-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.03	1.7	2.4	.37	1.0	1.6	.10	.06	.13	.02	0
2	.01	.02	.71	1.4	.34	1.1	1.3	.10	.01	.08	.02	0
3	.01	.02	.48	.80	.32	.99	1.0	.07	.01	.05	.02	0
4	.01	.02	.38	.60	.30	50	.80	.05	.01	.03	.02	0
5	.02	.02	.35	.50	1.0	25	.68	.04	.01	.02	.02	0
6	.02	.03	.47	.43	30	6.0	.69	.05	0	.02	.01	0
7	.02	.03	.36	.37	10	3.5	.59	.08	0	.01	.01	0
8	.06	.03	.32	.33	5.0	2.3	.58	.08	0	.01	.01	0
9	.02	.04	.32	.29	3.5	1.5	.55	.06	0	.01	.01	.03
10	.02	.60	.28	.26	2.7	1.3	.50	.06	.01	.01	.01	1.0
11	.02	.09	.25	.24	2.2	1.4	.54	.06	.01	.01	.01	.20
12	.02	.05	.24	.22	1.8	1.5	.50	.06	.01	.01	.01	.09
13	.02	.04	.22	3.3	1.5	1.8	.53	.10	.01	.01	.01	.04
14	.02	.03	.20	1.5	1.4	1.5	.50	.20	.01	.01	.02	.02
15	.02	.03	5.0	.80	1.3	1.4	.44	.30	0	.02	.03	.01
16	.02	.03	2.0	.52	1.2	1.2	.42	.18	0	.01	.02	.01
17	.02	.04	1.0	.44	10	1.3	.36	.22	0	.01	.01	.01
18	.02	.04	.80	.35	3.0	1.5	.32	.13	0	.01	.01	.01
19	.03	.03	.60	.30	1.5	1.5	.33	.09	0	.02	.01	.01
20	.02	.47	.50	.28	1.1	1.5	.44	.07	0	.02	.01	.01
21	.02	.63	.41	.26	20	10	1.3	.05	.01	.02	.01	.01
22	.02	.14	.33	.24	9.0	3.5	.54	.03	.01	.02	.01	.01
23	.02	.09	.28	.23	3.5	1.7	.28	.02	.01	.02	.01	.01
24	.02	.07	.22	.22	2.5	1.5	.20	.02	.20	.02	.01	.01
25	.04	.07	.18	4.0	1.7	1.4	.60	.02	.05	.02	.01	.01
26	.02	.07	.20	3.0	1.4	1.3	.25	.02	.03	.02	.01	.02
27	.02	.15	.22	1.5	1.2	7.0	.16	.02	.02	.13	.01	.05
28	.02	.18	.21	.80	1.1	2.0	.13	.02	2.0	.12	.01	.02
29	.16	2.4	.27	.60	1.1	1.7	.12	.03	.20	.02	.01	.01
30	.03	7.7	4.1	.50	---	4.0	.11	.05	.50	.02	.01	.01
31	.03	---	3.6	.40	---	2.0	---	.04	---	.02	.01	---
TOTAL	.81	13.19	26.20	27.08	120.03	143.39	16.36	2.42	3.18	.93	.40	1.60
MEAN	.026	.44	.85	.87	4.14	4.63	.55	.078	.11	.030	.013	.053
MAX	.16	7.7	5.0	4.0	30	50	1.6	.30	2.0	.13	.03	1.0
MIN	.01	.02	.18	.22	.30	.99	.11	.02	0	.01	.01	0
CFSM	.01	.23	.45	.46	2.17	2.42	.29	.04	.06	.02	.006	.03
IN.	.02	.26	.51	.53	2.34	2.79	.32	.05	.06	.02	.008	.03

CAL YR 1975 TOTAL 882.10 MEAN 2.42 MAX 54 MIN .01 CFSM 1.27 IN 17.17
WTR YR 1976 TOTAL 355.59 MEAN .97 MAX 50 MIN 0 CFSM .51 IN 6.92

PEAK DISCHARGE (BASE, 100 FT^3/S).--Mar. 4 (time unknown) about 200 ft^3/s (gage height unknown).

03341500 Wabash River at Terre Haute, Ind.

LOCATION.--Lat 39°28'00", long 87°25'08", in NE¼SW¼ sec.21, T.12 N., R.9 W., Vigo County, on left bank at upstream side of Wabash Avenue bridge at Terre Haute, 2.4 miles (3.9 km) upstream from Sugar Creek, 4.2 miles (6.8 km) downstream from Lost Creek, and at mile 214.4 (345.0 km).

DRAINAGE AREA.--12,265 mi^2 (31,766 km^2).

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 3,300 ft (1,010 m) upstream June 1891 to June 1897 and since December 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 442.90 ft (134.996 m) above mean sea level. See WSP 1725 for history of changes prior to Oct. 27, 1928.

AVERAGE DISCHARGE.--49 years, 10,650 ft^3/s (301.6 m^3/s), 11.79 in/yr (299 mm/yr).

EXTREMES.--Current year: Maximum discharge, 56,600 ft^3/s (1,600 m^3/s) Feb. 21, gage height, 22.89 ft (6.977 m); minimum daily, 1,880 ft^3/s (53.2 m^3/s) Sept. 7.
Period of record: Maximum discharge, 189,000 ft^3/s (5,350 m^3/s) May 20, 1943, gage height, 30.50 ft (9.296 m); minimum daily, 701 ft^3/s (19.9 m^3/s) Aug. 3, 1934.
Flood of Mar. 27, 1913, reached a stage of 31.1 ft (9.48 m), present site and datum, discharge, 245,000 ft^3/s (6,940 m^3/s).

REMARKS.--Records good. Flow partially regulated by upstream reservoirs.

REVISIONS (WATER YEARS).--WSP 205: 1905. WSP 1335: 1944. WRD Ind. 1973: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5000	4730	10800	12200	13800	33400	16200	6800	4680	28300	4100	2150
2	4810	4560	15700	12600	12700	31400	15700	6440	6690	22900	3700	2160
3	4670	4480	18900	13400	10600	29800	14700	5960	7850	16200	3580	1990
4	4580	4490	17900	14200	8730	31500	13800	5630	7030	12700	3250	1930
5	4460	4550	15600	13600	8650	34000	12600	5480	5750	10400	3100	1970
6	4350	4480	14400	12000	9820	35200	11400	5280	5550	9030	3050	1980
7	4310	4480	12600	9400	8010	35600	10600	5260	5390	8150	3950	1880
8	4360	4600	11000	7600	7050	36100	9920	5250	4810	7160	3730	1900
9	4880	4590	10600	6600	7650	36400	9280	5280	4290	6130	3640	2020
10	5460	4800	10800	5900	11400	35800	8630	5420	4050	5550	3430	1980
11	5930	4880	10400	5400	24800	34000	8150	5210	3770	5160	3130	1970
12	5590	5260	9640	6100	32000	32100	7670	5120	3610	4660	2940	2350
13	5310	5440	9040	7360	34400	30400	7390	5050	3430	4210	2860	2350
14	4910	5470	8550	8800	36000	29000	7030	4990	3430	4140	2960	2340
15	4590	5720	10300	9200	36900	27600	6860	5150	4900	5320	3860	3010
16	4370	5310	20200	9120	38100	26100	6690	5110	6050	5560	3480	3750
17	4260	5010	27100	8630	45600	25200	6550	5080	6470	4970	3480	4040
18	4220	4970	29100	8720	51000	24000	6360	5040	6450	4630	3190	4200
19	4380	4800	29100	8480	54500	22300	6100	5050	5590	4450	2810	4180
20	4490	4630	26500	8310	56000	21800	5910	4730	4970	3980	2680	3860
21	4550	4620	21900	7740	56300	22600	6030	4520	4960	3580	2580	3440
22	4650	4550	19000	7110	55800	21800	6100	4350	5060	3370	2530	3090
23	4890	4590	17700	6660	52200	20800	5980	4180	4550	3280	2430	2830
24	5730	4610	16400	6720	47600	19700	5770	3950	4530	3260	2380	2570
25	6290	4500	14300	8010	44000	18900	5720	3800	6030	3320	2330	2260
26	6100	4500	11900	13400	41400	18300	5780	3760	10300	3220	2330	2200
27	5810	4540	10600	13400	38900	17600	6170	3550	11800	3410	2470	2300
28	5590	4460	10200	11400	36700	18000	6930	3690	12400	3870	2390	2260
29	5310	4620	9690	11000	34800	19200	7980	3760	18500	3800	2340	2240
30	5020	6120	9440	13000	---	19400	7480	3680	25300	3700	2250	2280
31	4870	---	10700	14400	---	17400	---	4410	---	3910	2210	---
TOTAL	153740	144360	470060	300460	915410	825400	255480	150980	208190	212320	93160	77480
MEAN	4959	4812	15160	9692	31570	26630	8516	4870	6940	6849	3005	2583
MAX	6290	6120	29100	14400	56300	36400	16200	6800	25300	28300	4100	4200
MIN	4220	4460	8550	5400	7050	17400	5720	3550	3430	3220	2210	1880
CFSM	.40	.39	1.24	.79	2.57	2.17	.69	.40	.57	.56	.25	.21
IN.	.47	.44	1.43	.91	2.78	2.50	.77	.46	.63	.64	.28	.23

CAL YR 1975 TOTAL 5014890 MEAN 13740 MAX 49800 MIN 3390 CFSM 1.12 IN 15.21
WTR YR 1976 TOTAL 3807040 MEAN 10400 MAX 56300 MIN 1880 CFSM .85 IN 11.55

03342000 Wabash River at Riverton, Ind.

LOCATION.--Lat 39°01'13", long 87°34'07", in NE¼SW¼ sec.30, T.7 N., R.10 W., Sullivan County, on left bank at downstream side of Illinois Central Railroad bridge at Riverton, 0.5 mile (0.8 km) downstream from Turtle Creek, and at mile 162.0 (260.7 km).

DRAINAGE AREA.--13,161 mi^2 (34,087 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: 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 Corps of Engineers office, Louisville, Ky.

WATER TEMPERATURE: July 1954 to September 1961, October 1962 to September 1965, October 1967 to current year.

GAGE.--Water-stage recorder and temperature recorder. Datum of gage is 414.65 ft (126.385 m) above mean sea level. Prior to July 17, 1951, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--38 years, 11,580 ft^3/s (327.9 m^3/s), 11.95 in/yr (304 mm/yr).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4860	4800	9490	13000	13000	46700	18400	7460	4890	22900	4200	2130
2	4750	4670	11900	12900	12300	43300	16600	6940	5310	24100	4230	2090
3	4680	4540	15900	13100	11100	39800	15500	6570	6940	20800	3880	1990
4	4570	4500	17800	13200	9110	38000	14500	6160	7660	15200	3690	1920
5	4490	4500	16900	13100	7710	40800	13600	5890	6910	11800	3380	1870
6	4380	4530	14900	12100	9540	42400	12500	5730	5970	9730	3250	1860
7	4300	4500	13600	10900	9110	41900	11500	5640	5760	8550	3180	1890
8	4290	4510	11500	8300	7370	41800	10700	5580	5570	7810	3930	1830
9	4370	4590	10000	7100	6840	42000	10100	5530	5070	7030	3820	1900
10	4760	4620	9730	6400	8020	42400	9450	5560	4590	6250	3680	1970
11	5160	4780	9730	5800	13500	42700	8910	5640	4340	5750	3440	1880
12	5390	4850	9250	5400	21800	42200	8450	5470	4080	5370	3140	1860
13	5200	5080	8570	6780	25800	40500	8030	5400	3890	4940	3000	2140
14	5010	5180	8030	7780	28200	37400	7720	5370	3710	4560	2900	2210
15	4750	5270	9050	8340	29600	34300	7420	5470	3720	4590	3040	2210
16	4510	5360	14300	8370	31400	32000	7240	5600	5180	5900	3770	2830
17	4350	5100	20800	7990	33700	29800	7070	5540	6140	5770	3500	3500
18	4280	4870	24200	7590	36000	27900	6920	5400	6570	5150	3440	3840
19	4240	4740	25800	7570	40000	26300	6760	5330	6500	4850	3200	4000
20	4120	4730	26400	7360	47300	24700	6590	5260	5790	4630	2860	3980
21	4370	4560	24600	7190	56200	26300	6530	5000	5240	4220	2700	3710
22	4420	4530	20700	6790	64100	25500	6620	4830	5210	3890	2590	3320
23	4500	4500	17800	6400	66900	23900	6560	4660	5230	3650	2520	3020
24	4720	4520	16500	6130	66600	22500	6420	4500	4900	3520	2440	2810
25	5370	4510	14900	6700	64000	21200	6230	4290	4940	3510	2380	2570
26	5720	4470	12800	11000	60400	20000	6150	4140	6550	3520	2300	2340
27	5630	4500	10500	13400	56700	19400	6190	4080	9920	3430	2260	2290
28	5470	4460	9450	11900	53200	18900	6510	3970	11000	3540	2330	2220
29	5390	4470	8910	10200	50000	19300	7220	4000	12800	4030	2290	2180
30	5160	6490	8760	10200	---	22300	7910	4110	18100	4030	2200	2260
31	4940	---	10500	12200	---	21200	---	4100	---	4020	2140	---
TOTAL	148150	142730	443270	285190	939500	997400	274300	163220	192480	227040	95680	74620
MEAN	4779	4758	14300	9200	32400	32170	9143	5265	6416	7324	3086	2487
MAX	5720	6490	26400	13400	66900	46700	18400	7460	18100	24100	4230	4000
MIN	4120	4460	8030	5400	6840	18900	6150	3970	3710	3430	2140	1830
CFSM	.36	.36	1.09	.70	2.46	2.44	.69	.40	.49	.56	.23	.19
IN.	.42	.40	1.25	.81	2.66	2.82	.78	.46	.54	.64	.27	.21

CAL YR 1975 TOTAL 5173750 MEAN 14170 MAX 54400 MIN 4120 CFSM 1.08 IN 14.62
WTR YR 1976 TOTAL 3983580 MEAN 10880 MAX 66900 MIN 1830 CFSM .83 IN 11.26

03342000 Wabash River at Riverton, Ind.--Continued

EXTREMES.--WATER DISCHARGE, Current year: Maximum discharge, 67,300 ft^3/s (1,910 m^3/s) Feb. 24, gage height, 20.77 ft (6.331 m); minimum daily, 1,830 ft^3/s (51.8 m^3/s) Sept. 8.
Period of record: Maximum discharge, 201,000 ft^3/s (5,690 m^3/s) May 21, 1943, gage height, 29.36 ft (8.949 m); minimum daily, 858 ft^3/s (24.3 m^3/s) Sept. 27-30, 1941.
Flood of Mar. 28, 1913, reached a stage of 26.4 ft (8.05 m), from graph based on once-daily readings by Illinois Central Railroad Co., discharge, 250,000 ft^3/s (7,080 m^3/s).

WATER TEMPERATURE, Current year: Maximum temperature, 32.0°C July 24; minimum, 0.5°C Jan. 9, 10, Feb. 12.
Period of record: Maximum temperature, 33.0°C July 20, Aug. 29, 1954; minimum, freezing point on many days during most winter periods.

REMARKS.--Records good. Flow partially regulated by upstream reservoirs.

REVISIONS (WATER YEARS).--WSP 1335: 1939, 1950. WRD Ind. 1973: Drainage area.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	18.5	18.0	14.0	13.5	8.5	7.0	3.5	3.0	3.0	2.5	9.0	7.5
2	18.0	17.0	14.5	14.0	7.0	6.5	4.5	3.5	2.5	1.5	12.0	9.0
3	17.5	16.5	15.0	14.5	6.5	5.5	4.0	3.5	2.0	1.5	12.0	11.0
4	17.5	16.5	16.0	15.0	5.5	5.0	4.0	4.0	2.5	1.0	12.0	11.5
5	18.0	17.0	18.0	16.0	6.0	5.5	4.0	3.5	3.5	2.5	11.5	10.0
6	18.0	17.0	18.5	18.0	7.5	6.0	3.5	2.5	3.5	3.0	10.5	9.5
7	19.0	18.0	18.5	18.0	7.5	7.0	2.5	1.5	3.0	2.0	10.0	9.0
8	19.5	19.0	18.5	18.0	8.0	7.5	1.5	1.0	3.5	2.5	9.5	8.5
9	19.5	19.0	19.0	18.0	8.0	7.0	1.0	0.5	4.0	3.5	9.0	8.5
10	20.0	19.5	18.5	17.5	7.5	6.5	2.0	0.5	5.5	4.0	9.5	8.5
11	20.0	19.0	17.5	16.0	6.5	5.5	2.0	1.5	5.0	2.5	9.0	8.0
12	19.0	18.5	16.0	14.5	6.0	6.0	2.5	1.5	2.5	0.5	9.5	8.5
13	19.5	18.0	14.5	12.0	7.5	6.0	3.0	2.5	2.5	1.0	9.5	8.0
14	19.5	18.5	12.0	10.5	9.0	7.5	3.0	2.0	2.5	2.0	8.0	7.0
15	19.5	19.0	10.5	10.0	10.0	9.0	2.5	2.0	4.0	2.5	8.0	7.5
16	19.0	18.5	10.0	9.5	9.5	8.5	2.0	1.5	6.0	4.0	7.5	7.0
17	18.5	17.0	10.5	9.5	8.5	7.0	1.5	1.0	7.0	5.5	7.5	6.5
18	17.0	15.5	11.0	10.0	8.0	6.0	1.5	1.0	8.0	7.0	7.5	7.0
19	15.5	14.5	12.0	11.0	6.0	4.0	1.5	1.0	7.5	6.5	9.0	7.5
20	14.5	14.0	12.0	11.5	4.0	3.0	2.5	1.5	7.5	6.5	11.0	9.0
21	15.5	14.5	11.5	10.0	3.0	2.5	3.5	2.5	8.5	7.5	11.5	11.0
22	16.5	15.5	10.0	9.5	2.5	2.0	4.0	3.5	8.0	7.0	11.5	11.0
23	17.5	16.5	10.0	9.0	2.5	2.0	5.0	4.0	7.0	6.5	11.5	10.5
24	18.0	17.5	9.5	9.0	3.0	2.0	6.5	5.0	7.0	6.0	11.0	10.5
25	18.5	17.5	9.0	8.0	3.5	3.0	6.5	6.0	7.5	6.5	11.0	10.5
26	17.5	16.5	8.5	6.5	4.0	3.5	6.0	4.5	8.0	6.5	12.5	11.0
27	17.0	16.0	6.5	6.0	4.5	3.5	4.5	2.5	8.0	7.0	13.0	12.5
28	16.0	15.5	6.0	5.5	4.5	4.0	3.0	2.5	8.0	7.5	13.0	12.5
29	16.0	15.5	6.5	6.0	4.5	4.0	3.5	3.0	8.0	7.5	13.5	12.5
30	15.5	14.5	9.5	6.5	4.0	4.0	3.5	3.0	---	---	13.5	12.5
31	14.5	14.0	---	---	4.0	3.5	3.0	2.5	---	---	13.5	12.5
MONTH	20.0	14.0	19.0	5.5	10.0	2.0	6.5	0.5	8.5	0.5	13.5	6.5

03342000 Wabash River at Riverton, Ind.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	13.5	12.5	17.5	17.0	23.0	22.5	23.0	21.5	29.0	28.0	26.5	26.0
2	13.0	12.0	17.5	17.0	23.0	22.0	22.5	22.0	28.5	27.0	26.5	25.0
3	13.5	12.0	17.0	16.5	23.0	22.0	23.0	22.0	27.0	26.5	27.5	25.5
4	13.5	13.0	17.5	16.0	23.0	22.0	24.0	22.5	27.0	26.0	28.0	26.0
5	13.5	12.0	18.0	17.0	24.0	23.0	25.0	23.5	27.5	26.0	27.5	26.0
6	14.5	13.0	18.5	18.0	25.0	24.0	26.0	25.0	27.0	26.0	26.5	25.0
7	15.5	14.5	18.5	18.0	26.0	25.0	26.5	26.0	26.5	26.0	26.5	24.5
8	15.5	15.0	19.0	18.0	26.5	25.5	27.5	26.0	27.0	26.0	---	---
9	15.0	14.0	19.5	18.5	28.0	26.5	28.5	27.5	26.5	25.5	---	---
10	14.5	14.0	20.0	19.0	27.5	27.0	29.0	28.0	26.5	25.5	---	---
11	15.0	14.5	20.0	19.5	27.5	26.0	30.0	29.0	26.5	25.5	---	---
12	15.0	14.0	20.5	19.5	28.0	26.5	30.0	29.5	27.5	26.0	---	---
13	15.5	14.0	21.0	20.0	28.0	26.5	29.5	28.0	28.5	27.0	---	---
14	16.5	15.0	21.0	20.5	28.0	27.0	30.0	28.5	30.0	28.5	---	---
15	18.0	16.5	22.0	21.0	28.0	27.0	30.0	29.5	29.0	28.0	---	---
16	19.5	18.0	22.0	21.5	27.0	26.5	29.5	28.0	29.0	27.5	---	---
17	20.5	19.5	21.5	20.0	27.0	26.0	29.0	28.0	28.5	27.5	---	---
18	21.0	20.0	20.0	18.5	26.5	26.0	28.0	27.5	28.0	27.0	---	---
19	22.0	21.0	20.5	19.0	26.5	26.0	28.0	27.0	28.0	27.0	---	---
20	22.5	21.5	21.0	20.0	26.0	25.5	28.5	27.5	29.0	27.5	---	---
21	22.5	22.0	22.0	20.5	26.0	25.0	29.5	28.0	30.0	28.0	---	---
22	22.5	21.0	22.5	21.5	25.0	24.5	30.5	29.5	30.0	28.5	---	---
23	22.5	21.5	22.5	22.0	25.0	24.0	31.0	30.0	30.5	29.5	---	---
24	22.0	21.5	22.0	21.5	24.5	24.0	32.0	30.5	30.5	29.5	---	---
25	21.5	19.5	21.5	20.5	25.5	24.5	31.5	30.0	30.0	29.0	---	---
26	19.5	18.5	22.0	20.0	26.5	24.0	31.5	30.0	30.0	29.0	---	---
27	19.0	17.5	22.5	21.0	25.0	24.0	31.0	30.0	30.5	28.5	---	---
28	17.5	17.0	22.0	22.0	25.0	24.0	31.0	30.0	30.0	29.0	---	---
29	17.0	16.0	22.5	21.5	25.0	24.0	30.0	29.5	29.0	27.5	---	---
30	17.0	16.0	23.0	22.5	24.5	23.0	30.0	29.0	27.5	26.5	---	---
31	---	---	23.0	22.0	---	---	30.0	28.5	27.0	26.0	---	---
MONTH	22.5	12.0	23.0	16.0	28.0	22.0	32.0	21.5	30.5	25.5	---	---

03342100 Busseron Creek near Hymera, Ind.

LOCATION.--Lat 39°12'54", long 87°18'41", in NW¼NW¼ sec.21, T.9 N., R.8 W., Sullivan County, on right bank at downstream side of bridge on County Road 900 North, 1.3 miles (2.1 km) upstream from East Fork Busseron Creek, 1.9 miles (3.1 km) northwest of Hymera, 4.1 miles (6.6 km) upstream from West Fork Busseron Creek, and at mile 30.3 (48.8 km).

DRAINAGE AREA.--16.7 mi^2 (43.3 km^2).

PERIOD OF RECORD.--June 1966 to current year.

GAGE.--Water-stage recorder. Concrete control since Sept. 12, 1969. Datum of gage is 480.00 ft (146.304 m) above mean sea level (U.S. Soil Conservation Service bench mark).

AVERAGE DISCHARGE.--10 years, 19.6 ft^3/s (0.555 m^3/s), 15.92 in/yr (404 mm/yr).

EXTREMES.--Current year: Maximum discharge, 715 ft^3/s (20.2 m^3/s) Nov. 30, gage height, 16.40 ft (4.999 m); minimum daily, 0.01 ft^3/s (0.0003 m^3/s) Aug. 10-12, Sept. 6-26.
Period of record: Maximum discharge, 1,890 ft^3/s (53.5 m^3/s) Sept. 12, 1974, gage height, 18.58 ft (5.663 m); no flow at times most years.

REMARKS.--Records fair except those for period of no gage-height record, Aug. 8 to Sept. 30, which is poor. Flow affected by U.S. Soil Conservation Service floodwater-retarding structures.

REVISIONS (WATER YEARS).--WRD Ind. 1972: 1971.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.20	.10	68	74	5.0	5.1	27	.82	.82	52	.35	.02
2	.20	.10	49	62	4.7	4.6	19	.82	.45	36	.24	.02
3	.20	.10	37	50	4.3	4.6	14	.66	.30	23	.14	.02
4	.20	.10	25	32	4.0	127	10	.60	.24	15	.07	.02
5	.20	.10	18	25	4.0	137	8.5	.60	.24	12	.07	.02
6	.20	.10	17	14	4.0	73	7.0	1.0	.24	11	.17	.01
7	.20	.14	11	10	4.1	58	5.9	1.2	.24	6.5	.10	.01
8	.20	.19	8.3	8.0	4.5	46	4.6	.74	.24	3.2	.03	.01
9	.20	.25	7.2	6.5	5.8	34	4.0	.66	.24	2.5	.03	.01
10	.20	.33	6.0	5.5	6.8	24	3.6	.66	.24	1.5	.01	.01
11	.20	.39	5.0	4.8	8.1	22	3.4	.60	.24	1.0	.01	.01
12	.20	.43	4.9	4.5	6.9	36	3.2	.54	.24	.54	.01	.01
13	.20	.35	4.5	40	8.4	30	3.4	.90	.24	.35	.10	.01
14	.20	.24	4.3	32	7.8	20	2.9	1.3	.24	.28	.21	.01
15	.20	.10	155	19	9.6	15	2.7	2.7	.24	28	.24	.01
16	.20	.07	65	13	15	16	2.4	4.9	1.9	27	.24	.01
17	.20	.03	45	15	15	15	2.1	3.2	.74	13	.21	.01
18	.28	.02	31	18	20	13	1.9	2.4	.60	7.4	.17	.01
19	.37	.03	21	11	13	11	2.0	1.8	20	4.0	.16	.01
20	.50	.66	14	5.2	9.6	64	2.0	1.8	5.1	2.5	.15	.01
21	.45	.49	9.2	4.0	48	70	3.8	1.5	2.7	1.9	.13	.01
22	.30	.39	8.6	3.7	38	41	2.4	1.3	1.9	1.4	.11	.01
23	.15	.35	8.7	3.7	24	29	1.9	1.2	1.8	1.2	.08	.01
24	.10	.35	4.0	4.0	17	20	1.8	1.0	9.1	.82	.07	.01
25	.10	.28	3.8	77	13	15	1.9	.82	9.1	.60	.06	.01
26	.10	.18	7.7	60	9.9	12	1.3	.74	3.4	.48	.05	.01
27	.10	.64	7.0	41	8.2	12	1.2	.60	1.8	.43	.04	.03
28	.10	.60	5.8	30	6.7	10	1.0	.82	5.1	1.5	.04	.04
29	.50	10	8.5	17	6.2	31	.90	.66	57	1.5	.03	.07
30	.20	235	72	11	---	66	.82	.60	107	.82	.02	.10
31	.10	---	98	8.3	---	40	---	.90	---	.54	.02	---
TOTAL	6.75	252.11	829.5	709.2	331.6	1101.3	146.62	38.04	231.69	257.96	3.36	.55
MEAN	.22	8.40	26.8	22.9	11.4	35.5	4.89	1.23	7.72	8.32	.11	.018
MAX	.50	235	155	77	48	137	27	4.9	107	52	.35	.10
MIN	.10	.02	3.8	3.7	4.0	4.6	.82	.54	.24	.28	.01	.01
CFSM	.01	.50	1.60	1.37	.68	2.13	.29	.07	.46	.50	.006	.001
IN.	.02	.56	1.85	1.58	.74	2.45	.33	.08	.52	.57	.007	.001

CAL YR 1975 TOTAL 7719.63 MEAN 21.1 MAX 502 MIN 0 CFSM 1.26 IN 17.19
WTR YR 1976 TOTAL 3908.68 MEAN 10.7 MAX 235 MIN .01 CFSM .64 IN 8.71

03342150 West Fork Busseron Creek near Hymera, Ind.

LOCATION.--Lat 39°11'10", long 87°19'44", in NW¼NW¼ sec.32, T.9 N., R.8 W., Sullivan County, on right bank at downstream side of bridge on State Highway 48, 1.4 miles (2.3 km) upstream from mouth, 1.5 miles (2.4 km) west of Hymera, and 3.7 miles (6.0 km) east of U.S. Highway 41.

DRAINAGE AREA.--14.4 mi^2 (37.3 km^2).

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 476.00 ft (145.085 m) above mean sea level (Indiana State Highway Commission bench mark).

AVERAGE DISCHARGE.--10 years, 14.1 ft^3/s (0.399 m^3/s), 13.30 in/yr (338 mm/yr).

EXTREMES.--Current year: Maximum discharge, 718 ft^3/s (20.3 m^3/s) Mar. 4, gage height, 11.25 ft (3.429 m); minimum daily, 0.02 ft^3/s (0.0006 m^3/s) Oct. 1-7, 14.
Period of record: Maximum discharge, 1,930 ft^3/s (54.7 m^3/s) July 26, 1973, gage height, 13.23 ft (4.033 m); no flow at times most years.

REMARKS.--Records good except for those discharges below 1.0 ft^3/s, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.02	.40	25	53	4.5	5.1	15	1.3	.92	6.5	.10	.04
2	.02	.36	9.2	34	3.8	4.7	10	1.4	.68	4.1	.08	.04
3	.02	.29	6.0	26	3.5	4.5	8.7	1.2	.53	2.0	.06	.04
4	.02	.36	4.8	9.0	3.5	287	7.4	1.2	.40	.98	.04	.04
5	.02	.32	4.8	5.6	4.0	203	6.6	1.2	.36	.86	.04	.06
6	.02	.32	10	4.5	4.2	29	6.1	1.4	.40	11	.04	.06
7	.02	.74	6.8	5.1	4.0	15	5.8	2.4	.36	9.0	.04	.06
8	.03	.68	4.8	4.1	3.5	11	5.3	1.4	.36	1.6	.04	.06
9	.16	.44	4.8	3.0	5.0	9.8	5.1	1.3	.32	.92	.04	.10
10	.10	.86	4.2	3.0	9.0	8.3	4.5	1.2	.32	.68	.04	.10
11	.06	.92	3.6	3.4	10	11	4.2	1.1	.29	.63	.04	.10
12	.04	.68	3.2	3.6	7.3	15	3.8	1.0	.32	.58	.04	.10
13	.04	.44	3.2	46	9.6	20	3.3	.98	.36	.44	.16	.10
14	.02	.32	3.3	21	9.0	14	2.9	1.1	.36	.36	.26	.10
15	.04	.26	232	9.0	10	10	2.5	1.4	.32	22	.20	.10
16	.04	.23	30	8.8	21	6.5	2.5	3.4	.92	12	.16	.10
17	.10	.23	11	4.8	16	7.0	2.1	1.5	.53	1.5	.10	.10
18	.44	.20	6.1	4.0	23	6.5	2.3	1.0	.40	.68	.10	.12
19	.48	.18	4.8	3.5	10	6.0	2.1	.92	17	.44	.08	.12
20	.40	.63	5.0	3.2	7.6	7.0	2.5	.86	.86	.32	.08	.18
21	.36	1.8	4.4	3.0	83	150	5.9	.86	.53	.23	.06	.18
22	.32	1.4	3.7	2.8	23	22	3.8	.80	.36	.20	.06	.14
23	.26	1.2	3.0	2.8	11	17	2.5	.74	.29	.18	.06	.14
24	.26	1.0	3.0	3.8	8.8	10	2.2	.74	15	.18	.06	.14
25	.32	.98	3.3	124	7.6	8.1	2.7	.68	8.9	.16	.16	.14
26	.29	1.1	9.2	43	6.6	6.9	2.0	.63	.63	.16	.18	.23
27	.22	1.8	6.8	11	5.8	9.0	1.7	.63	.40	.16	.08	.23
28	.18	1.8	6.0	8.7	5.4	8.1	1.5	.68	8.0	.18	.06	.18
29	2.2	17	7.6	7.5	5.1	94	1.4	.80	36	.48	.04	.23
30	1.0	293	99	6.0	---	124	1.4	.50	112	.20	.04	.32
31	.68	---	127	5.0	---	25	---	.50	---	.14	.04	---
TOTAL	8.18	329.94	655.6	472.2	324.8	1154.5	127.7	34.82	208.12	78.86	2.58	3.65
MEAN	.26	11.0	21.1	15.2	11.2	37.2	4.26	1.12	6.94	2.54	.083	.12
MAX	2.2	293	232	124	83	287	15	3.4	112	22	.26	.32
MIN	.02	.18	3.0	2.8	3.5	4.5	1.4	.50	.29	.14	.04	.04
CFSM	.02	.76	1.47	1.06	.78	2.58	.30	.08	.48	.18	.005	.008
IN.	.02	.85	1.69	1.22	.84	2.98	.33	.09	.54	.20	.007	.009

CAL YR 1975 TOTAL 6418.90 MEAN 17.6 MAX 521 MIN 0 CFSM 1.22 IN 16.58
WTR YR 1976 TOTAL 3400.95 MEAN 9.29 MAX 293 MIN .02 CFSM .65 IN 8.79

PEAK DISCHARGE (BASE, 500 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-30	1400	11.03	622	03-05	0800	10.75	542
12-15	1100	10.78	550	03-21	unknown	11.20	695
03-04	1400	11.25	718				

03342250 Mud Creek near Dugger, Ind.

LOCATION.--Lat 39°06'28", long 87°16'42", in SE¼NE¼ sec.27, T.8 N., R.8 W., Sullivan County, on right bank at downstream side of bridge on County Road 700 East, 0.6 mile (1.0 km) north of County Road 100 North, 1.7 miles (2.7 km) upstream from mouth, and 2.5 miles (4.0 km) northwest of Dugger.

DRAINAGE AREA.--11.9 mi^2 (30.8 km^2).

PERIOD OF RECORD.--June 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 466.41 ft (142.162 m) above mean sea level (U.S. Soil Conservation Service bench mark).

AVERAGE DISCHARGE.--10 years, 14.1 ft^3/s (0.399 m^3/s), 16.09 in/yr (409 mm/yr).

EXTREMES.--Current year: Maximum discharge, 248 ft^3/s (7.02 m^3/s) Dec. 15, gage height, 9.08 ft (2.768 m); minimum daily, 0.50 ft^3/s (0.014 m^3/s) Sept. 24.
Period of record: Maximum discharge, 919 ft^3/s (26.0 m^3/s) May 30, 1974, gage height, 13.70 ft (4.176 m); minimum daily, 0.44 ft^3/s (0.012 m^3/s) Nov. 22, 1968.

REMARKS.--Records good. Flow affected by surface-mined areas.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	3.3	20	41	7.7	7.2	16	4.7	5.0	2.7	1.4	.86
2	3.0	3.0	10	20	7.0	6.9	13	4.5	3.8	2.1	1.4	.93
3	2.9	3.0	8.4	15	6.5	6.9	11	4.2	3.4	1.9	1.3	.80
4	2.9	3.3	7.5	12	6.0	72	11	4.0	3.2	1.8	1.3	.73
5	2.8	3.0	7.4	41	5.8	62	9.9	4.0	2.6	1.7	1.6	.73
6	2.9	2.7	9.5	25	5.8	24	9.3	19	2.4	1.6	1.8	.67
7	2.7	7.4	7.7	10	5.8	16	9.0	17	2.2	1.6	1.2	.67
8	5.8	5.2	6.8	8.0	6.2	13	8.2	8.8	2.0	1.4	1.0	.67
9	5.5	4.1	7.2	6.5	7.2	12	8.0	6.7	1.8	1.4	.93	6.7
10	4.1	9.9	6.4	6.0	8.5	11	7.7	5.2	1.8	1.4	.93	4.2
11	3.4	5.8	6.0	6.0	8.2	10	8.2	4.7	1.5	1.4	.93	1.6
12	3.1	4.6	5.7	6.0	7.4	33	7.7	4.2	1.3	1.3	.93	1.1
13	2.7	3.9	5.5	30	8.2	29	7.4	4.2	1.1	1.2	7.2	.93
14	2.3	3.3	5.4	20	7.4	17	7.2	4.7	.93	1.2	1.8	.80
15	2.2	3.2	106	15	8.2	14	7.2	5.2	.81	7.5	1.4	.73
16	2.0	3.0	24	11	23	14	6.9	5.4	2.2	7.5	.93	.61
17	3.7	2.7	14	12	45	12	6.4	5.4	1.1	2.7	.80	.61
18	7.5	2.5	10	15	40	11	6.2	5.0	1.1	2.0	.73	.61
19	7.1	2.4	16	10	18	10	6.4	4.2	13	1.7	.67	.61
20	4.9	6.5	9.1	6.0	12	52	6.4	3.8	3.2	1.6	.67	.67
21	3.6	5.6	8.1	5.5	39	61	14	3.4	2.8	1.4	.61	.61
22	3.0	4.0	10	5.0	20	21	7.2	3.0	2.8	1.4	.61	.56
23	2.6	3.3	11	5.0	13	16	5.9	2.8	2.6	1.4	.67	.56
24	2.3	3.0	6.8	5.0	10	14	5.9	2.6	4.4	1.4	.67	.50
25	4.6	3.3	7.3	51	9.3	13	7.2	2.6	2.7	1.3	.73	.56
26	4.1	3.6	15	33	8.5	13	6.2	2.4	2.3	1.3	.80	.67
27	3.1	12	11	16	8.2	16	5.4	2.2	1.9	1.3	.73	7.0
28	2.5	6.4	9.2	13	7.7	13	5.2	3.6	2.6	4.2	.73	1.9
29	8.5	16	11	10	7.4	24	5.0	3.6	6.0	6.0	.67	1.4
30	4.9	92	67	9.2	---	68	4.7	4.0	8.3	1.9	.67	4.2
31	3.6	---	79	8.3	---	22	---	4.5	---	1.7	.67	---
TOTAL	117.5	232.0	528.0	476.5	367.0	714.0	239.8	159.6	90.84	69.0	36.48	43.19
MEAN	3.79	7.73	17.0	15.4	12.7	23.0	7.99	5.15	3.03	2.23	1.18	1.44
MAX	8.5	92	106	51	45	72	16	19	13	7.5	7.2	7.0
MIN	2.0	2.4	5.4	5.0	5.8	6.9	4.7	2.2	.81	1.2	.61	.50
CFSM	.32	.65	1.43	1.29	1.07	1.93	.67	.43	.25	.19	.10	.12
IN.	.37	.73	1.65	1.49	1.15	2.23	.75	.50	.28	.22	.11	.14

CAL YR 1975 TOTAL 5906.10 MEAN 16.2 MAX 251 MIN 1.7 CFSM 1.36 IN 18.46
WTR YR 1976 TOTAL 3073.91 MEAN 8.40 MAX 106 MIN .50 CFSM .71 IN 9.61

03342300 Busseron Creek near Sullivan, Ind.

LOCATION.--Lat 39°04'33", long 87°23'11", in SE¼NW¼ sec.2, T.7 N., R.9 W., Sullivan County, on left bank at upstream side of bridge on State Highway 54, 1.5 miles (2.4 km) southeast of Sullivan, 1.6 miles (2.6 km) east of intersection of U.S. Highway 41 and State Highway 54, 1.7 miles (2.7 km) upstream from Buttermilk Creek, and at mile 16.7 (26.9 km).

DRAINAGE AREA.--138 mi^2 (357 km^2).

PERIOD OF RECORD.--June 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 440.00 ft (134.112 m) above mean sea level (Indiana State Highway Commission bench mark).

AVERAGE DISCHARGE.--10 years, 147 ft^3/s (4.163 m^3/s), 14.43 in/yr (367 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,400 ft^3/s (39.7 m^3/s) Mar. 6, gage height, 12.83 ft (3.911 m); minimum daily, 2.2 ft^3/s (0.062 m^3/s) Sept. 25.
Period of record: Maximum discharge, 5,480 ft^3/s (155 m^3/s) Jan. 30, 1969, gage height, 15.83 ft (4.825 m); minimum daily, 0.9 ft^3/s (0.025 m^3/s) Sept. 8, 1966.

REMARKS.--Records good. Flow affected by surface-mined areas and U.S. Soil Conservation Service floodwater-retarding structures.

REVISIONS (WATER YEARS).--WRD Ind. 1972: 1971.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	16	812	908	105	79	192	21	10	132	6.9	3.0
2	8.9	13	315	495	76	73	145	22	38	72	5.4	3.5
3	8.7	13	175	336	65	80	120	20	16	55	4.7	2.8
4	8.2	12	135	198	57	667	101	18	14	37	4.3	2.5
5	7.7	11	111	132	53	1310	85	17	12	26	4.3	2.5
6	8.1	11	117	109	51	1090	78	23	11	23	5.4	2.8
7	7.9	17	119	90	50	422	48	82	11	33	4.9	2.6
8	10	22	93	70	50	316	67	45	9.4	20	4.5	2.5
9	13	19	87	55	50	222	42	31	8.3	13	4.3	7.2
10	9.1	25	82	55	52	170	38	25	8.3	11	4.1	9.4
11	8.3	23	75	60	81	151	38	22	5.2	9.4	3.9	7.5
12	7.9	22	57	82	69	173	36	20	4.3	8.5	3.9	5.9
13	8.8	17	45	137	70	269	33	19	4.3	7.7	6.6	4.7
14	5.9	14	45	417	76	155	32	26	4.5	6.9	7.7	3.5
15	5.5	12	524	240	75	123	31	33	3.7	10	8.0	3.1
16	5.8	11	871	129	112	112	29	47	4.5	109	6.6	3.5
17	6.1	12	323	90	238	125	27	44	5.6	41	5.2	3.5
18	17	10	208	100	294	107	25	32	4.7	18	4.3	3.3
19	19	25	183	80	211	97	24	24	19	12	3.9	2.5
20	18	46	142	65	143	126	22	20	30	9.1	3.5	3.0
21	13	55	118	55	292	754	48	18	14	8.0	3.1	3.5
22	9.5	53	99	50	464	420	48	17	11	6.9	3.1	3.7
23	9.9	49	91	50	220	219	36	15	9.4	6.1	3.3	3.5
24	8.3	45	63	73	158	163	28	14	10	5.9	3.3	3.1
25	15	42	43	195	130	132	30	13	25	5.9	3.3	2.2
26	14	42	80	677	112	113	31	13	22	5.2	3.1	3.3
27	15	47	95	280	97	123	27	13	13	4.5	3.0	7.7
28	12	48	76	181	89	119	24	15	11	5.9	3.0	8.3
29	20	67	70	149	85	114	23	17	20	18	2.8	6.9
30	38	497	417	123	---	638	21	11	252	12	2.6	13
31	23	---	677	112	---	335	---	10	---	8.8	2.6	---
TOTAL	371.6	1296	6348	5793	3625	8997	1529	747	611.2	740.8	135.6	134.5
MEAN	12.0	43.2	205	187	125	290	51.0	24.1	20.4	23.9	4.37	4.48
MAX	38	497	871	908	464	1310	192	82	252	132	8.0	13
MIN	5.5	10	43	50	50	73	21	10	3.7	4.5	2.6	2.2
CFSM	.09	.31	1.49	1.36	.91	2.10	.37	.17	.15	.17	.03	.03
IN.	.10	.35	1.71	1.56	.98	2.43	.41	.20	.16	.20	.04	.04

CAL YR 1975 TOTAL 63165.3 MEAN 173 MAX 2690 MIN 5.5 CFSM 1.25 IN 17.03
WTR YR 1976 TOTAL 30328.7 MEAN 82.9 MAX 1310 MIN 2.2 CFSM .60 IN 8.18

03342360 Buttermilk Creek near Sullivan, Ind.

LOCATION.--Lat 39°03'58", long 87°21'32", in NW¼NE¼ sec.12, T.7 N., R.9 W., Sullivan County, on right bank at downstream side of bridge on County Road 275 East, 3.8 miles (6.1 km) east of Sullivan, and 2.0 miles (3.2 km) upstream from mouth.

DRAINAGE AREA.--17.6 mi^2 (45.6 km^2).

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 446.35 ft (136.047 m) above mean sea level (U.S. Soil Conservation Service bench mark).

EXTREMES.--Current year: Maximum discharge, 342 ft^3/s (9.69 m^3/s) Dec. 15, gage height, 7.16 ft (2.182 m); minimum daily, 0.06 ft^3/s (0.002 m^3/s) Sept. 6.
Period of record: Maximum discharge, 556 ft^3/s (15.7 m^3/s) Feb. 23, 1975, gage height, 9.75 ft (2.972 m); minimum daily, 0.06 ft^3/s (0.002 m^3/s) Sept. 6, 1976.

REMARKS.--Records fair. Flow affected by surface-mined areas.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	2.6	38	106	6.5	8.0	16	4.2	5.2	4.2	2.4	1.0
2	1.5	1.4	10	34	6.0	7.5	12	3.1	5.0	2.8	4.0	5.8
3	1.3	1.8	6.8	24	6.0	7.7	10	6.0	4.8	3.5	.84	.50
4	1.7	2.0	6.6	19	7.0	122	9.0	5.4	4.4	.92	.35	1.9
5	1.4	1.5	4.8	10	8.0	140	8.2	5.2	3.2	.76	.35	.20
6	2.5	1.0	6.6	8.7	8.7	63	7.7	20	1.8	1.7	1.0	.06
7	2.9	3.7	5.6	7.5	7.3	17	10	19	2.9	3.4	2.9	2.5
8	2.6	2.5	6.0	7.0	5.6	12	10	5.4	2.0	2.0	.45	.76
9	2.5	1.1	7.7	6.4	8.0	11	9.0	4.0	1.9	.50	.23	1.8
10	1.3	5.8	5.8	6.0	7.7	9.5	6.6	5.4	2.8	.40	.30	1.4
11	2.0	4.0	3.5	6.0	9.2	8.2	7.1	5.8	1.4	.35	.14	2.8
12	1.5	3.4	2.4	6.2	7.5	50	8.0	6.2	1.2	.55	.20	.35
13	2.4	3.9	2.1	45	10	53	7.3	6.4	1.4	2.2	8.0	3.9
14	3.1	2.6	2.1	43	8.7	15	6.8	6.6	3.5	.76	5.2	.68
15	2.5	1.9	178	16	9.2	13	6.6	7.5	2.0	3.6	4.0	.23
16	1.2	1.2	49	13	34	12	6.0	6.2	4.8	9.2	.60	.20
17	2.3	1.9	15	8.7	102	12	4.0	4.8	1.5	2.0	.26	.23
18	5.0	1.9	11	7.1	92	10	3.7	6.4	1.3	.55	.30	.55
19	3.7	1.5	8.7	6.4	27	8.5	6.4	5.4	7.5	.45	2.4	.17
20	2.9	3.7	8.5	6.0	17	36	6.8	5.0	1.9	.40	2.2	5.0
21	1.4	2.9	7.7	6.0	87	116	8.5	4.8	1.4	2.9	.35	7.7
22	2.3	2.5	8.7	7.1	33	29	7.3	2.9	5.0	2.9	.08	.40
23	1.6	1.2	5.8	10	19	16	6.6	2.1	3.7	1.8	.76	.26
24	1.8	.84	4.4	8.2	15	14	5.4	4.0	4.0	.71	2.1	.17
25	2.8	1.0	4.8	96	13	11	5.4	4.4	1.7	.45	.50	.14
26	1.2	2.3	19	62	10	10	7.1	4.4	1.3	.26	.20	.30
27	1.3	2.0	14	34	9.2	16	6.2	4.4	1.1	.23	.26	22
28	2.1	3.1	8.0	17	8.5	10	6.0	5.6	1.4	6.8	1.3	8.2
29	6.8	10	13	11	8.0	24	5.6	3.1	2.4	64	.30	5.0
30	3.1	142	127	9.0	---	106	5.6	2.5	9.2	8.2	2.2	5.4
31	2.1	---	154	7.5	---	29	---	3.1	---	6.6	1.9	---
TOTAL	74.0	217.24	744.6	653.8	590.1	996.4	224.9	179.3	91.7	135.09	46.07	79.60
MEAN	2.39	7.24	24.0	21.1	20.3	32.1	7.50	5.78	3.06	4.36	1.49	2.65
MAX	6.8	142	178	106	102	140	16	20	9.2	64	8.0	22
MIN	1.2	.84	2.1	6.0	5.6	7.5	3.7	2.1	1.1	.23	.08	.06
CFSM	.14	.41	1.36	1.20	1.15	1.82	.43	.33	.17	.25	.08	.15
IN.	.16	.46	1.57	1.38	1.25	2.11	.48	.38	.19	.29	.10	.17

CAL YR 1975 TOTAL 8922.84 MEAN 24.4 MAX 389 MIN .84 CFSM 1.39 IN 18.86
WTR YR 1976 TOTAL 4032.80 MEAN 11.0 MAX 178 MIN .06 CFSM .63 IN 8.52

03342500 Busseron Creek near Carlisle, Ind.

LOCATION.--Lat 38°58'26", long 87°25'33", in NW¼ survey 17, Vincennes Tract, Sullivan County, on left bank 10 ft (3 m) downstream from bridge on State Highway 58, 1.5 miles (2.4 km) northwest of Carlisle, and 7.2 miles (11.6 km) upstream from mouth.

DRAINAGE AREA.--228 mi^2 (591 km^2).

PERIOD OF RECORD.--October 1943 to current year.

GAGE.--Water-stage recorder. Datum of gage is 425.36 ft (129.650 m) above mean sea level (Indiana State Highway Commission 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 (61 m) upstream at same datum.

AVERAGE DISCHARGE.--33 years, 218 ft^3/s (6.174 m^3/s), 12.98 in/yr (330 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,660 ft^3/s (47.0 m^3/s) Jan. 1, gage height, 12.05 ft (3,673 m); minimum daily, 3.7 ft^3/s (0.10 m^3/s) Sept. 26.
Period of record: Maximum discharge, 8,800 ft^3/s (249 m^3/s) Jan. 5, 1950, gage height, 20.05 ft (6,111 m); maximum gage height, 20.30 ft (6.187 m) May 9, 1961; no flow many days in 1954.

REMARKS.--Records good. Flow affected by U.S. Soil Conservation Service floodwater-retarding structures and surface-mined areas.

REVISIONS.--WSP 1335: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	26	1050	1530	154	95	364	33	21	260	21	6.4
2	14	21	781	1280	108	90	253	32	43	87	15	6.8
3	11	18	278	740	88	118	198	30	31	63	13	8.5
4	12	19	191	373	76	641	163	28	25	46	9.1	5.5
5	12	17	154	259	72	1300	135	25	21	34	8.1	4.7
6	11	16	150	224	70	1440	120	29	17	26	8.6	4.1
7	13	18	164	159	67	1400	98	137	16	35	10	3.9
8	13	31	134	103	65	797	98	74	16	33	10	5.1
9	18	29	125	80	65	395	75	48	13	18	7.3	63
10	16	34	117	75	72	292	66	38	13	13	6.5	59
11	12	38	105	75	112	239	65	35	13	11	6.1	19
12	11	33	90	93	103	287	65	31	8.0	9.4	5.6	11
13	11	28	63	237	104	579	59	29	7.3	10	13	8.7
14	12	24	62	639	118	306	57	39	7.1	9.2	18	8.3
15	11	21	754	328	118	217	55	70	9.4	11	20	5.3
16	10	18	1200	205	163	189	52	177	9.3	130	14	4.4
17	10	17	901	125	570	195	46	82	11	78	9.3	4.8
18	19	17	348	129	747	175	41	59	9.4	35	7.3	4.7
19	30	16	264	112	466	152	41	46	14	23	6.6	4.9
20	27	45	210	84	277	181	46	38	44	16	8.7	3.9
21	23	60	171	73	629	1010	59	32	25	82	7.8	6.3
22	19	57	169	68	931	939	82	28	16	78	5.9	6.9
23	17	54	139	67	527	422	61	23	17	17	5.2	5.1
24	16	51	110	82	300	282	49	20	18	12	6.0	4.5
25	17	48	65	367	225	218	50	20	20	13	9.7	4.3
26	25	46	133	1130	180	181	51	19	39	8.5	10	3.7
27	21	49	158	703	140	188	45	18	21	7.1	5.0	21
28	19	54	130	323	120	190	39	21	15	11	4.9	26
29	28	82	114	246	105	175	37	28	21	314	5.3	15
30	50	635	733	193	---	886	35	22	184	53	4.9	18
31	38	---	1210	164	---	755	---	20	---	29	5.7	---
TOTAL	560	1622	10273	10271	6772	14334	2605	1331	724.5	1572.2	287.6	352.8
MEAN	18.1	54.1	331	331	234	462	86.8	42.9	24.2	50.7	9.28	11.8
MAX	50	635	1210	1530	931	1440	364	177	184	314	21	63
MIN	10	16	62	67	65	90	35	18	7.1	7.1	4.9	3.7
CFSM	.08	.24	1.45	1.45	1.03	2.03	.38	.19	.11	.22	.04	.05
IN.	.09	.26	1.68	1.68	1.10	2.34	.43	.22	.12	.26	.05	.06

CAL YR 1975 TOTAL 107249.0 MEAN 294 MAX 2810 MIN 10 CFSM 1.29 IN 17.50
WTR YR 1976 TOTAL 50705.1 MEAN 139 MAX 1530 MIN 3.7 CFSM .61 IN 8.27

PEAK DISCHARGE (BASE, 2,200 FT^3/S).--No peaks above the base.

03343000 Wabash River at Vincennes, Ind.

LOCATION.--Lat 38°42'26", long 87°31'10", in NW¼SW¼ sec.10, T.3 N., R.10 W., Knox County, near center of span on downstream side of bridge on U.S. Highway 50 at the Indiana-Illinois State line, 4.9 miles (7.9 km) downstream from Maria Creek, 7.7 miles (12.4 km) upstream from Embarras River, and at mile 129.8 (208.8 km).

DRAINAGE AREA.--13,706 mi² (35,498 km²).

PERIOD OF RECORD.--October 1929 to current year. 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 2.1 miles (3.4 km) downstream, are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 394.43 ft (120.222 m) above mean sea level. Oct. 1, 1960, to September 30, 1968, nonrecording gage at site 2.1 miles (3.4 km) downstream at same datum. Oct. 1, 1960, to Sept. 30, 1968, auxiliary water-stage recorder at site 2.6 miles (4.2 km) upstream from base gage at datum 0.80 ft (0.244 m) lower. See WSP 1725 for history of changes prior to Oct. 1, 1960.

AVERAGE DISCHARGE.--47 years, 11,760 ft³/s (333.0 m³/s), 11.65 in/yr (296 mm/yr).

EXTREMES.--Current year: Maximum discharge, 55,500 ft³/s (1,570 m³/s) Feb. 25, gage height, 21.82 ft (6.651 m); minimum daily, 1,950 ft³/s (55.2 m³/s) Sept. 13.
Period of record: Maximum discharge, 189,000 ft³/s (5,350 m³/s) May 22, 23, 1943, gage height, 29.33 ft (8.940 m), at former site 2.1 miles (3.4 km) downstream and at present datum; minimum daily, 770 ft³/s (21.8 m³/s) Aug. 4, 5, 1934.
Flood of Mar. 29, 1913, reached a stage of 26.3 ft (8.02 m), at former site 2.1 miles (3.4 km) downstream and at present datum, from floodmarks, determined by Corps of Engineers, discharge, 255,000 ft³/s (7,220 m³/s).

REMARKS.--Records good. Flow partially regulated by upstream reservoirs.

REVISIONS (WATER YEARS).--WSP 1173: 1943 (maximum gage height only). WSP 1335: 1930-31, 1933, 1936. WSP 1909: 1955. WRD Ind. 1973: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5100	4990	10200	16800	13800	43300	21800	8110	4810	20400	4270	2450
2	4880	4860	12400	16900	13500	40700	19100	7470	5310	22700	4400	2390
3	4790	4650	15000	16400	12500	38200	17600	7060	6380	22100	4210	2320
4	4720	4580	17300	15900	10800	36100	16300	6640	7810	17900	3930	2250
5	4580	4560	17200	15300	8940	36200	15300	6230	7640	13800	3640	2200
6	4490	4580	15700	14300	9190	38100	14200	6090	6730	11100	3400	2100
7	4340	4600	14400	12700	10400	39500	13100	6000	6160	9610	3300	2100
8	4310	4530	13000	10200	8980	40000	12000	5960	5930	8730	3560	2150
9	4340	4620	11200	8400	7680	40400	11200	5800	5600	7980	4160	2100
10	4490	4690	10500	7400	7980	40800	10500	5750	4990	7130	3850	2150
11	5030	4740	10500	6600	11300	40700	9920	5840	4560	6450	3710	2100
12	5420	4900	10200	6000	19200	39600	9380	5750	4310	5980	3430	2000
13	5460	5080	9490	7470	24100	38500	8870	5570	4020	5530	3280	1950
14	5270	5290	8870	8980	26500	36800	8530	5620	3780	5080	3190	2160
15	5030	5310	9350	9400	27700	34900	8180	5780	3620	4720	3850	2280
16	4670	5530	14100	9380	28600	33000	7920	6120	4140	5750	3870	2340
17	4490	5400	19900	9010	29800	31200	7720	5960	5870	6470	4180	3400
18	4360	5160	23600	8400	31700	29600	7560	5730	6520	5870	3890	4040
19	4270	4860	25200	8180	33400	28200	7410	5600	6840	5270	3780	4360
20	4270	4830	25800	8070	35400	26800	7240	5510	6410	5080	3430	4510
21	4360	4760	25700	7870	39800	27000	7080	5330	5710	4760	3130	4400
22	4400	4630	23400	7580	46600	28100	7200	5080	5400	4580	3030	4040
23	4490	4580	20000	7180	52400	27100	7150	4860	5440	3970	2920	3530
24	4600	4560	18000	6890	55000	24900	7010	4630	5380	3710	2850	3190
25	5100	4600	16700	7100	55500	23100	6870	4450	5050	3620	2780	2970
26	5730	4530	15000	10900	54500	21700	6540	4210	5820	3620	2700	2620
27	5890	4600	12700	14600	51900	20900	6450	4100	8820	3560	2650	2510
28	5730	4510	10800	14700	48700	20500	6610	4080	11000	3530	2730	2420
29	5640	4510	9990	12200	45800	20200	7130	3990	14900	4450	2700	2300
30	5480	6230	10500	11000	---	22500	8000	4100	16400	4360	2600	2280
31	5200	---	12700	12100	---	24300	---	4930	---	4210	2510	---
TOTAL	150930	145270	469400	327910	821670	992900	303870	172350	195350	242020	105930	81610
MEAN	4869	4842	15140	10580	28330	32030	10130	5560	6512	7807	3417	2720
MAX	5890	6230	25800	16900	55500	43300	21800	8110	16400	22700	4400	4510
MIN	4270	4510	8870	6000	7680	20200	6450	3990	3620	3530	2510	1950
CFSM	.36	.35	1.10	.77	2.07	2.34	.74	.41	.48	.57	.25	.20
IN.	.41	.39	1.27	.89	2.23	2.69	.82	.47	.53	.66	.29	.22

CAL YR 1975 TOTAL 5588910 MEAN 15310 MAX 49200 MIN 4270 CFSM 1.12 IN 15.17
WTR YR 1976 TOTAL 4009210 MEAN 10950 MAX 55500 MIN 1950 CFSM .80 IN 10.88

03346000 North Fork Embarras River near Oblong, Ill.

LOCATION.--Lat 39°00'01", long 87°56'42", in NE¼SW¼ sec.35, T.7 N., R.14 W., Crawford County, at upstream side of pier of bridge on county highway, 200 ft (61 m) downstream from Illinois Central Gulf Railroad bridge, 2 miles (3 km) west of Oblong, and 7.8 miles (12.6 km) upstream from mouth.

DRAINAGE AREA.--319 mi^2 (826 km^2).

PERIOD OF RECORD.--October 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 456.19 ft (139.047 m) above mean sea level. Prior to Dec. 11, 1940, nonrecording gage and Dec. 11, 1940, to Sept. 30, 1964, water-stage recorder at site 0.8 mile (1.3 km) upstream at datum 2.00 ft (0.610 m) higher. Oct. 1, 1964, to Oct. 8, 1971, water-stage recorder at site 0.8 mile (1.3 km) upstream at present datum.

AVERAGE DISCHARGE.--36 years, 254 ft^3/s (7.193 m^3/s), 10.81 in/yr (275 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,680 ft^3/s (189 m^3/s) Mar. 6, gage height, 17.47 ft (5.325 m); minimum daily, 1.0 ft^3/s (0.028 m^3/s) Sept. 22, 23.
Period of record: Maximum discharge, 27,100 ft^3/s (767 m^3/s) Jan. 4, 1950, gage height, 24.38 ft (7.431 m), present datum, from rating curve extended above 16,000 ft^3/s (453 m^3/s); no flow for many days in 1953-54, 1964.

REMARKS.--Records fair.

REVISIONS.--WRD Ill. 1974: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	15	1590	1770	70	88	176	34	101	39	41	2.4
2	11	14	562	1620	55	80	123	32	56	26	43	2.8
3	10	13	168	1610	45	76	103	30	33	18	15	2.3
4	10	13	112	787	40	1190	93	29	24	14	9.1	2.2
5	9.8	13	89	400	50	5260	84	28	20	12	7.0	1.9
6	10	13	172	200	700	5640	76	27	17	11	6.3	1.8
7	9.8	21	259	110	200	2490	72	26	16	9.2	11	2.2
8	10	117	143	85	100	439	66	30	15	8.6	9.8	1.9
9	11	76	97	70	70	242	60	40	14	8.2	6.3	3.0
10	12	57	81	60	300	187	58	30	13	7.8	5.7	3.7
11	18	85	71	55	1200	165	56	26	13	7.6	4.7	6.6
12	16	66	63	50	600	194	54	23	13	7.3	4.2	5.5
13	13	42	59	80	300	280	52	23	12	6.9	4.2	3.9
14	12	30	55	348	200	196	50	22	12	6.8	3.6	3.1
15	11	25	696	445	150	140	48	25	11	6.8	8.1	2.5
16	11	22	1860	185	130	126	50	48	13	7.2	3.2	2.3
17	10	20	1150	126	500	199	48	45	15	33	2.7	1.7
18	9.5	19	229	100	1000	199	44	35	13	29	2.0	1.4
19	9.5	18	132	80	450	152	43	27	13	16	2.0	1.1
20	9.0	18	100	70	196	276	46	23	12	11	2.1	1.1
21	9.0	19	80	60	984	1520	62	20	11	9.3	2.4	1.1
22	8.5	23	65	50	2200	835	67	18	12	11	1.5	1.0
23	8.5	24	55	40	2040	205	64	16	19	7.4	1.2	1.0
24	8.0	20	48	35	502	150	50	15	52	6.3	1.1	1.1
25	7.5	17	45	231	229	128	45	15	40	5.9	1.2	1.7
26	7.0	17	42	1230	172	128	43	14	56	5.7	1.2	1.6
27	7.0	18	39	1000	137	208	41	13	27	5.6	1.3	2.2
28	8.0	18	37	400	114	408	39	14	18	7.3	1.3	2.3
29	10	29	35	200	99	398	37	15	125	10	1.1	2.3
30	12	903	329	150	---	997	35	19	39	5.5	1.2	2.3
31	13	---	1130	100	---	529	---	25	---	5.5	1.1	---
TOTAL	322.1	1785	9593	11747	12833	23125	1885	787	835	364.9	205.6	70.0
MEAN	10.4	59.5	309	379	443	746	62.8	25.4	27.8	11.8	6.63	2.33
MAX	18	903	1860	1770	2200	5640	176	48	125	39	43	6.6
MIN	7.0	13	35	35	40	76	35	13	11	5.5	1.1	1.0
CFSM	.03	.19	.97	1.19	1.39	2.34	.20	.08	.09	.04	.02	.007
IN.	.04	.21	1.12	1.37	1.50	2.70	.22	.09	.10	.04	.02	.008

CAL YR 1975 TOTAL 154536.1 MEAN 423 MAX 6840 MIN 7.0 CFSM 1.33 IN 18.02
WTR YR 1976 TOTAL 63552.6 MEAN 174 MAX 5640 MIN 1.0 CFSM .55 IN 7.41

03346900 Prairie Creek Reservoir near Muncie, Ind.

LOCATION.--Lat 40°08'46", long 85°17'35", in NE¼NE¼ sec.32, T.20 N., R.11 E., Delaware County, at intake tower of reservoir on Prairie Creek, 0.3 mile (0.5 km) above mouth, and 5.8 miles (9.3 km) southeast of Muncie.

DRAINAGE AREA.--16.8 mi^2 (43.5 km^2).

PERIOD OF RECORD.--1962 to current year.

GAGE.--Water-stage recorder.

REMARKS.--Reservoir is formed by earth-fill dam. Releases normally controlled by three 24-inch (610 mm) valves. Capacity at uncontrolled spillway elevation, 990 ft (301.8 m) is 22,100 acre-ft (27.2 hm^3). Reservoir is used for low-flow augmentation of the water supply for Muncie and recreation. Reservoir was filled for the first time in the spring of 1963.

COOPERATION.--Records furnished by Muncie Water Works Company.

Month-end elevation and contents, water year October 1975 to September 1976

Date	Elevation (feet)	Contents (acre-feet)	Change in Contents (acre-feet)
Sept. 30	989.0	20,610	-
Oct. 31	988.5	20,010	-600
Nov. 30	988.6	20,130	+120
Dec. 31	988.9	20,490	+360
Calendar year 1975	-	-	-1,490
Jan. 31	990.0	21,850	+1,360
Feb. 29	990.5	22,480	+630
Mar. 31	990.2	22,100	-380
Apr. 30	990.0	21,850	-250
May 31	990.0	21,850	0
June 30	989.8	21,600	-250
July 31	989.7	21,480	-120
Aug. 31	989.0	20,610	-870
Sept. 30	987.0	18,240	-2,370
Water year 1976	-	-	-2,370

Diversion for municipal supply for city of Muncie

Water supply for the city of Muncie is from White River and augmented by Prairie Creek Reservoir. Water is diverted at Muncie Water Works on Burlington Drive, 3.0 miles (4.8 km) upstream from White River at Muncie (03347000) and returned at sewage disposal plant 3.9 miles (6.3 km) downstream from station.

Diversion, monthly and yearly means in ft^3/s

Oct.	Nov.	Dec.	1975 Cal. year	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	1976 Water year
19.4	17.1	17.9	17.7	18.7	16.3	18.5	17.9	18.9	18.3	19.3	19.3	18.1	18.3

03347000 White River at Muncie, Ind.

LOCATION.--Lat 40°12'15", long 85°23'14", in SE¼NW¼ Hackley Reserve, Delaware County, on right bank 200 ft (61 m) downstream from Walnut Street bridge in Muncie, 6 miles (10 km) upstream from Bell Creek, and at mile 315.8 (508.1 km).

DRAINAGE AREA.--241 mi^2 (624 km^2).

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.

GAGE.--Water-stage recorder. Datum of gage is 917.10 ft (279.532 m) above mean 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 (0.914 m) higher.

AVERAGE DISCHARGE.--45 years (1931 to current year), 207 ft^3/s (5.862 m^3/s), 11.65 in/yr (296 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,640 ft^3/s (103 m^3/s) Feb. 17, gage height, 8.65 ft (2,637 m); minimum daily, 6.6 ft^3/s (0.19 m^3/s) July 28.
Period of record: Maximum discharge, 14,300 ft^3/s (405 m^3/s) Apr. 21, 1964; maximum gage height, 21.07 ft (6.422 m) Jan. 15, 1937, present datum; minimum daily discharge, 1.1 ft^3/s (0.031 m^3/s) Sept. 16, 17, 23-25, 1954, and Oct. 10, 1956.
Maximum stage known, 22.6 ft (6.89 m) in March 1913, present datum, discharge, 20,000 ft^3/s (566 m^3/s).

REMARKS.--Records good. Natural flow affected by regulation of Prairie Creek Reservoir (See sta 03346900) and by diversion of municipal water supply by Muncie Water Works Co. Records of diversion available since October 1937.

REVISIONS (WATER YEARS).--WSP 1335: 1931-32(M), 1936(M), 1938, 1948. WSP 1435: 1955. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	21	141	451	160	204	114	46	183	387	23	8.1
2	13	22	89	289	120	192	106	51	155	200	19	23
3	11	20	56	357	94	255	102	44	106	150	14	82
4	12	18	45	235	84	1350	97	38	79	109	13	18
5	15	17	38	140	88	1350	90	42	63	76	11	13
6	13	17	38	100	81	802	86	52	55	57	23	16
7	10	24	35	82	71	482	78	76	47	68	23	11
8	18	25	30	72	66	353	75	64	41	88	25	16
9	23	29	30	64	64	285	72	53	38	61	20	23
10	22	39	29	57	701	243	74	45	35	43	14	24
11	24	52	27	55	2880	225	79	38	33	41	12	28
12	23	46	26	62	1270	219	75	34	31	36	11	30
13	20	35	35	155	714	255	72	33	34	25	12	26
14	15	28	56	590	610	258	70	38	30	21	19	21
15	14	28	337	400	452	207	72	36	25	31	33	22
16	15	27	672	225	874	193	73	39	30	190	30	20
17	19	25	334	125	3300	186	73	34	27	96	21	23
18	56	22	202	100	2370	173	69	30	30	57	15	26
19	103	22	129	87	1180	189	62	28	89	36	12	29
20	77	25	138	78	757	214	60	24	79	23	10	32
21	43	25	96	71	752	454	62	21	44	18	11	26
22	31	26	58	66	913	399	59	20	30	18	12	25
23	23	27	69	64	614	276	57	42	24	13	10	25
24	27	24	51	63	463	227	58	40	89	11	11	23
25	24	21	58	200	387	198	73	38	138	17	11	25
26	26	21	51	2010	322	182	69	38	75	12	15	30
27	23	20	64	1920	275	177	57	37	51	7.3	22	28
28	22	19	52	897	248	155	50	38	45	6.6	15	19
29	20	34	46	444	230	137	47	42	44	20	13	17
30	19	92	133	308	---	137	44	83	550	22	14	16
31	19	---	660	224	---	120	---	151	---	22	12	---
TOTAL	796	851	3825	9991	20140	10097	2175	1395	2300	1961.9	506	725.1
MEAN	25.7	28.4	123	322	694	326	72.5	45.0	76.7	63.3	16.3	24.2
MAX	103	92	672	2010	3300	1350	114	151	550	387	33	82
MIN	10	17	26	55	64	120	44	20	24	6.6	10	8.1
CFSM	.11	.12	.51	1.34	2.88	1.35	.30	.19	.32	.26	.07	.10
IN.	.12	.13	.59	1.54	3.11	1.56	.34	.22	.36	.30	.08	.11

CAL YR 1975 TOTAL 79890.0 MEAN 219 MAX 5580 MIN 6.3 CFSM .91 IN 12.33
WTR YR 1976 TOTAL 54763.0 MEAN 150 MAX 3300 MIN 6.6 CFSM .62 IN 8.45

PEAK DISCHARGE (BASE, 2,500 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-26	2100	8.00	2,900	02-17	2000	8.65	3,640
02-11	1500	8.35	3,290				

03347500 Buck Creek near Muncie, Ind.

LOCATION.--Lat 40°08'05", long 85°22'25", in SW¼SE¼ sec.34, T.20 N., R.10 E., Delaware County, on left bank at downstream side of bridge on County Road 400 South, 1.0 mile (1.6 km) upstream from Muncie Water Works Co. pumping station, 4.2 miles (6.8 km) southeast of courthouse in Muncie, and at mile 10.6 (17.0 km).

DRAINAGE AREA.--35.5 mi^2 (91.9 km^2).

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

GAGE.--Water-stage recorder. Datum of gage is 944.67 ft (287.935 m) above mean sea level. Prior to May 5, 1955, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--22 years, 34.7 ft^3/s (0.983 m^3/s), 13.27 in/yr (337 mm/yr).

EXTREMES.--Current year: Maximum discharge, about 820 ft^3/s (23.2 m^3/s) Jan. 26, gage height, at least 10 ft (3.0 m); (from digital recorder tape which failed to advance properly): minimum daily, 8.5 ft^3/s (0.24 m^3/s) Sept. 8.
Period of record: Maximum discharge, 1,780 ft^3/s (50.4 m^3/s) Apr. 21, 1964, gage height, 13.96 ft (4.255 m); minimum daily, 5.6 ft^3/s (0.16 m^3/s) Dec. 20, 1964.
Maximum stage known, about 15 ft (4.6 m), from information by local residents. Date unknown.

REMARKS.--Records good except period of no gage-height record, Jan. 15 to Feb. 17, which is fair.

REVISIONS (WATER YEARS).--WSP 1909: 1955, 1957. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	14	33	46	29	30	26	19	46	53	13	9.5
2	13	14	25	38	26	29	25	19	31	42	13	9.9
3	13	14	22	54	24	50	25	18	24	73	12	9.5
4	13	14	20	38	23	245	24	18	21	37	12	9.4
5	13	14	19	33	43	139	23	18	19	27	12	9.2
6	13	14	19	27	79	78	23	20	18	37	14	8.9
7	13	16	18	26	42	56	22	27	18	33	14	8.7
8	15	15	17	22	38	46	22	20	17	27	13	8.5
9	16	14	18	21	84	41	22	19	16	22	12	9.1
10	15	18	17	20	148	38	22	19	16	20	12	9.5
11	14	17	16	20	350	37	22	19	16	19	11	8.9
12	14	15	17	19	180	37	22	18	15	56	16	9.0
13	14	14	19	92	120	35	22	18	15	25	24	8.8
14	14	14	19	127	89	32	22	19	15	20	14	8.6
15	14	14	94	44	73	32	21	19	15	31	16	8.8
16	14	13	62	35	245	33	21	18	16	45	13	9.5
17	15	13	39	30	180	31	20	18	15	23	12	9.7
18	25	13	29	26	136	31	20	18	15	19	12	9.4
19	27	12	26	24	90	31	20	17	19	17	12	9.0
20	22	13	25	23	64	32	21	17	15	17	11	9.7
21	19	13	22	22	90	75	21	16	15	17	11	9.4
22	17	12	21	22	83	43	20	16	15	16	11	8.8
23	16	12	21	21	55	37	20	16	16	17	11	8.6
24	16	12	19	21	48	34	20	16	32	17	10	8.7
25	16	12	19	120	42	32	22	16	23	15	11	9.1
26	15	12	21	480	38	30	21	16	18	15	11	9.5
27	15	13	19	200	35	30	19	15	16	14	10	11
28	15	12	19	90	33	28	19	16	17	15	10	9.9
29	15	16	19	47	32	27	19	16	23	14	10	9.7
30	15	34	50	37	---	27	19	26	185	14	9.8	9.3
31	14	---	70	32	---	26	---	78	---	14	9.6	---
TOTAL	483	433	854	1857	2519	1472	645	625	742	811	382.4	277.6
MEAN	15.6	14.4	27.5	59.9	86.9	47.5	21.5	20.2	24.7	26.2	12.3	9.25
MAX	27	34	94	480	350	245	26	78	185	73	24	11
MIN	13	12	16	19	23	26	19	15	15	14	9.6	8.5
CFSM	.44	.41	.77	1.69	2.45	1.34	.61	.57	.70	.74	.35	.26
IN.	.51	.45	.89	1.95	2.64	1.54	.68	.65	.78	.85	.40	.29

CAL YR 1975 TOTAL 14685.0 MEAN 40.2 MAX 832 MIN 12 CFSM 1.13 IN 15.39
WTR YR 1976 TOTAL 11101.0 MEAN 30.3 MAX 480 MIN 8.5 CFSM .85 IN 11.63

PEAK DISCHARGE (BASE, 400 FT^3/S).--Jan. 26 (time unknown) about 820 ft^3/s (gage height at least 10 ft); Feb. 11 (time unknown) about 450 ft^3/s (gage height at least 10 ft, but probably the result of ice jam).

03348000 White River at Anderson, Ind.

LOCATION.--Lat 40°06'20", long 85°40'16", in NW¼NW¼ sec.18, T.19 N., R.8 E., Madison County, on downstream side of Twelfth Street bridge, 250 ft (76 m) upstream from municipal water-supply plant in Anderson, 1 mile (2 km) upstream from Killbuck Creek, and at mile 293.3 (471.9 km).

DRAINAGE AREA.--406 mi^2 (1,052 km^2).

PERIOD OF RECORD.--July 1925 to September 1926, October 1931 to current year. Monthly discharge only for some periods, published in WSP 1305. Gage-height records collected at site 950 ft (290 m) downstream December 1910 to February 1918, 250 ft (76 m) downstream from February 1918 to Sept. 14, 1973, and at present site since Sept. 15, 1973, are contained in reports of National Weather Service. Prior to October 1948, published as West Fork White River at Anderson.

GAGE.--Water-stage recorder. Datum of gage is 825.02 ft (251.466 m) above mean sea level. Prior to May 12, 1934, nonrecording gage at present site and datum. May 12, 1934, to Sept. 14, 1973, nonrecording gage at site 250 ft (76 m) downstream at same datum. Sept. 15, 1973, to Sept. 23, 1976, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--46 years, 374 ft^3/s (10.59 m^3/s), 12.51 in/yr (318 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,810 ft^3/s (165 m^3/s) Feb. 17, gage height, 12.00 ft (3.658 m); minimum daily, 65 ft^3/s (1.84 m^3/s) Aug. 29.
Period of record: Maximum discharge, 18,700 ft^3/s (530 m^3/s) Apr. 21, 1964, gage height, 19.41 ft (5.916 m); maximum gage height, 19.96 ft (6.084 m) June 14, 1958; minimum daily discharge, 9.1 ft^3/s (0.26 m^3/s) Sept. 24, 1940.
Maximum stage known, 23.6 ft (7.19 m) Mar. 25, 1913, at site 250 ft (76 m) downstream and at present datum, based on determination of National Weather Service at site then in use, discharge, 28,000 ft^3/s (793 m^3/s).

REMARKS.--Records fair.

COOPERATION.--Gage readings furnished by city of Anderson.

REVISIONS (WATER YEARS).--WSP 1335: 1932, 1934-35, 1936(M), 1938-40. WSP 1385: 1950(P). WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	100	346	793	340	364	293	138	662	653	92	71
2	82	100	247	500	260	364	293	135	539	408	88	71
3	78	102	190	480	215	400	290	138	343	339	102	82
4	77	100	163	410	195	1760	277	138	210	265	92	75
5	75	94	150	300	215	2680	268	138	184	207	92	82
6	77	92	145	235	190	1600	244	138	168	182	117	86
7	78	236	140	200	160	912	232	150	165	235	179	82
8	82	171	126	170	168	687	207	179	155	213	158	92
9	142	147	124	150	223	579	190	160	147	182	150	110
10	100	152	121	140	616	513	196	145	145	168	115	110
11	90	250	117	145	3740	500	187	135	145	163	108	90
12	86	215	117	155	2860	451	184	126	145	660	86	86
13	88	175	138	410	1950	419	182	130	142	346	82	92
14	96	150	147	1060	1590	404	184	138	140	199	90	75
15	88	130	400	733	1370	389	184	140	128	158	106	71
16	88	120	1350	459	1460	378	184	130	124	419	108	75
17	102	110	670	370	4780	375	184	126	117	306	102	77
18	193	102	360	300	4120	375	184	124	126	207	92	82
19	216	98	230	240	1770	400	187	119	135	176	82	84
20	190	94	190	200	1200	539	190	112	152	165	80	88
21	145	121	182	180	1200	677	205	112	145	145	77	92
22	126	115	176	170	1500	648	199	112	152	130	77	90
23	106	102	173	165	1080	513	184	112	238	121	75	90
24	100	98	168	160	757	423	190	112	252	108	73	69
25	96	94	165	401	620	400	225	112	312	98	73	73
26	94	96	160	2480	521	396	180	112	299	98	78	76
27	96	104	150	1650	471	360	160	112	168	98	75	93
28	108	115	140	1110	431	319	152	119	124	102	68	86
29	112	133	140	692	385	299	145	126	173	117	65	74
30	104	447	224	547	---	293	152	234	370	112	71	71
31	90	---	1000	420	---	293	---	819	---	102	71	---
TOTAL	3295	4163	8149	15425	34387	18710	6132	4821	6305	6882	2924	2495
MEAN	106	139	263	498	1186	604	204	156	210	222	94.3	83.2
MAX	216	447	1350	2480	4780	2680	293	819	662	660	179	110
MIN	75	92	117	140	160	293	145	112	117	98	65	69
CFSM	.26	.34	.65	1.23	2.92	1.49	.50	.38	.52	.55	.23	.20
IN.	.30	.38	.75	1.41	3.15	1.71	.56	.44	.58	.63	.27	.23

CAL YR 1975 TOTAL 160934 MEAN 441 MAX 9160 MIN 73 CFSM 1.09 IN 14.75
WTR YR 1976 TOTAL 113688 MEAN 311 MAX 4780 MIN 65 CFSM .77 IN 10.42

PEAK DISCHARGE (BASE, 2,700 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-26	1300	9.95	3,210	02-17	1900	12.00	5,810
02-11	1400	10.88	5,630	03-05	1500	9.70	2,950

03348020 Killbuck Creek near Gaston, Ind.

LOCATION.--Lat 40°15'45", long 85°30'53", in SE¼SW¼ sec.16, T.21 N., R.9 E., Delaware County, on right bank 30 ft (9 m) upstream from bridge on County Road 500 North, 15 ft (5 m) east of County Road 675 West, 3.6 miles (5.8 km) southwest of Gaston, and at mile 15.6 (25.1 km).

DRAINAGE AREA.--25.5 mi^2 (66.0 km^2).

PERIOD OF RECORD.--June 1968 to current year.

AVERAGE DISCHARGE.--8 years, 25.6 ft^3/s (0.725 m^3/s), 13.63 in/yr (346 mm/yr).

GAGE.--Water-stage recorder. Datum of gage 873.00 ft (266.090 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 352 ft^3/s (10.0 m^3/s) Feb. 17, gage height, 10.68 ft (3.255 m); minimum daily, 1.4 ft^3/s (0.040 m^3/s) Sept. 15, 19.
Period of record: Maximum discharge, 378 ft^3/s (10.7 m^3/s) Jan. 18, 1969; maximum gage height, 11.14 ft (3.395 m) Apr. 20, 1972; minimum daily discharge, 1.4 ft^3/s (0.040 m^3/s) Sept. 15, 19, 1976.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	2.8	30	31	21	27	15	7.6	37	37	4.6	1.7
2	2.6	2.7	14	24	17	25	14	7.5	33	22	4.4	1.7
3	2.4	2.7	9.4	36	14	24	13	7.1	19	16	4.3	1.7
4	2.3	2.7	7.7	27	13	189	13	6.7	14	13	4.1	1.6
5	2.3	2.6	6.9	19	12	241	12	6.6	10	11	3.9	1.6
6	2.2	2.5	6.6	15	11	135	12	6.8	8.5	10	4.1	1.5
7	2.2	3.0	6.6	13	11	81	11	10	7.7	11	4.1	1.5
8	2.5	3.4	6.2	12	10	61	11	8.7	7.0	9.2	4.0	1.5
9	2.9	2.9	6.0	11	10	49	10	7.3	6.5	8.2	3.6	1.7
10	3.4	3.2	5.8	10	123	41	10	6.9	6.1	7.6	3.5	1.8
11	2.8	4.1	5.5	9.8	294	38	10	6.6	5.8	8.1	3.4	1.8
12	2.6	3.4	5.3	9.6	159	37	9.9	6.3	5.6	18	3.4	1.6
13	2.4	3.0	5.8	18	109	33	9.5	6.1	5.3	9.8	3.3	1.5
14	2.3	2.6	6.4	50	87	28	9.4	6.2	5.2	7.8	3.2	1.5
15	2.3	2.6	62	26	70	26	9.2	6.3	5.0	8.0	3.2	1.4
16	2.3	2.9	59	20	168	26	8.9	6.1	6.0	11	3.1	1.5
17	2.6	3.0	32	16	338	25	8.8	5.8	6.0	8.1	2.9	1.5
18	4.2	2.8	21	13	286	23	8.5	5.6	5.0	7.0	2.6	1.5
19	8.0	2.8	16	12	143	23	8.3	5.4	6.2	6.7	2.5	1.4
20	6.7	3.0	14	11	90	23	8.5	5.3	6.3	6.4	2.4	2.0
21	5.0	3.2	12	10	97	51	8.6	5.1	5.1	6.3	2.3	1.9
22	4.1	3.7	11	9.7	109	36	8.9	4.9	21	6.2	2.3	1.8
23	3.5	3.3	10	9.5	71	29	8.4	4.8	80	6.3	2.2	1.7
24	3.1	3.2	9.6	11	58	25	8.3	4.7	77	6.4	2.0	1.7
25	2.9	3.3	9.5	29	49	23	9.2	4.5	75	6.1	2.1	1.6
26	2.9	3.3	9.7	209	43	21	10	4.4	39	5.5	2.1	1.7
27	3.0	3.7	9.5	103	36	20	8.6	4.2	25	5.4	2.0	1.8
28	3.0	3.6	8.8	58	33	18	7.9	4.2	23	5.2	2.0	1.5
29	3.0	4.8	8.4	38	30	17	7.7	4.3	33	6.2	1.8	1.6
30	2.9	26	18	28	---	16	7.6	4.6	53	5.9	1.8	1.5
31	2.9	---	47	23	---	15	---	41	---	4.9	1.7	---
TOTAL	97.5	116.8	479.7	911.6	2512	1426	297.2	221.6	636.3	300.3	92.9	48.8
MEAN	3.15	3.89	15.5	29.4	86.6	46.0	9.91	7.15	21.2	9.69	3.00	1.63
MAX	8.0	26	62	209	338	241	15	41	80	37	4.6	2.0
MIN	2.2	2.5	5.3	9.5	10	15	7.6	4.2	5.0	4.9	1.7	1.4
CFSM	.12	.15	.61	1.15	3.40	1.80	.39	.28	.83	.38	.12	.06
IN.	.14	.17	.70	1.33	3.66	2.08	.43	.32	.93	.44	.14	.07

CAL YR 1975 TOTAL 9441.5 MEAN 25.9 MAX 332 MIN 2.1 CFSM 1.02 IN 13.77
WTR YR 1976 TOTAL 7140.7 MEAN 19.5 MAX 338 MIN 1.4 CFSM .76 IN 10.42

PEAK DISCHARGE (BASE, 250 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-11	0100	10.19	305	03-04	1800	9.63	258
02-17	2100	10.68	352				

03348350 Pipe Creek at Frankton, Ind.

LOCATION.--Lat 40°13'38", long 85°45'58", in SE¼NE¼ sec.31, T.21 N., R.7 E., Madison County, on right bank 20 ft (6 m) downstream from bridge on County Road 500 West, at northeast edge of Frankton.

DRAINAGE AREA.--113 mi^2 (293 km^2).

PERIOD OF RECORD.--May 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 810.00 ft (246.888 m) above mean sea level.

AVERAGE DISCHARGE.--8 years, 112 ft^3/s (3.172 m^3/s), 13.46 in/yr (342 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,370 ft^3/s (67.1 m^3/s) July 12, gage height, 11.30 ft (3.444 m); minimum daily, 7.8 ft^3/s (0.22 m^3/s) Sept. 24.
Period of record: Maximum discharge, 2,370 ft^3/s (67.1 m^3/s) July 12, 1976, gage height, 11.30 ft (3.444 m); minimum daily, 4.2 ft^3/s (0.119 m^3/s) Oct. 6, 7, 1970.
Flood of June 10, 1958, reached a stage of 15.5 ft (4.72 m), from floodmark determined by State of Indiana, Department of Natural Resources.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	15	393	141	66	95	55	23	78	160	22	9.3
2	11	15	182	101	50	85	50	24	238	86	21	9.5
3	9.8	14	105	138	44	88	46	23	117	62	19	9.2
4	9.1	14	75	90	39	700	44	21	67	50	19	8.8
5	9.1	13	62	65	36	1180	41	20	46	43	18	8.3
6	8.8	12	62	51	33	745	40	21	38	43	22	8.0
7	8.5	26	72	44	32	421	37	30	33	59	25	7.9
8	9.3	45	63	38	31	285	37	24	30	46	20	8.1
9	15	33	57	33	30	214	36	21	26	36	17	14
10	14	66	56	30	308	169	37	20	24	32	17	19
11	11	75	46	28	1840	148	39	19	22	88	16	13
12	10	46	41	27	829	138	36	18	21	1690	16	10
13	10	34	50	60	600	124	35	17	19	640	16	9.5
14	12	28	65	220	502	98	35	18	18	182	15	8.8
15	12	24	419	120	358	87	35	20	17	167	18	8.5
16	13	22	736	74	591	86	35	20	38	293	15	9.5
17	14	20	376	52	1920	82	33	18	32	146	14	12
18	21	19	192	41	1080	76	32	16	23	93	13	10
19	40	17	121	35	633	79	30	16	21	69	13	9.0
20	39	18	93	31	434	78	32	15	20	56	12	11
21	28	20	68	28	419	151	33	14	19	47	12	9.9
22	23	18	55	27	511	111	33	14	26	42	12	9.3
23	20	16	49	29	348	87	32	13	67	39	12	8.3
24	17	15	43	36	261	79	28	12	231	35	11	7.8
25	18	16	41	76	209	74	35	12	269	31	11	7.9
26	18	15	44	653	172	67	35	12	138	28	11	8.2
27	16	16	41	462	142	73	30	12	82	26	11	9.3
28	16	16	36	232	121	66	26	12	79	25	11	8.5
29	16	20	34	144	108	62	24	12	85	33	10	8.3
30	16	224	60	101	---	65	23	15	222	27	9.3	8.1
31	15	---	182	75	---	57	---	60	---	24	9.1	---
TOTAL	492.6	932	3919	3282	11747	5870	1064	592	2146	4398	467.4	289.0
MEAN	15.9	31.1	126	106	405	189	35.5	19.1	71.5	142	15.1	9.63
MAX	40	224	736	653	1920	1180	55	60	269	1690	25	19
MIN	8.5	12	34	27	30	57	23	12	17	24	9.1	7.8
CFSM	.14	.28	1.12	.94	3.58	1.67	.31	.17	.63	1.26	.13	.09
IN.	.16	.31	1.29	1.08	3.87	1.93	.35	.19	.71	1.45	.15	.10

CAL YR 1975 TOTAL 41616.1 MEAN 114 MAX 1350 MIN 8.3 CFSM 1.01 IN 13.70
WTR YR 1976 TOTAL 35199.0 MEAN 96.2 MAX 1920 MIN 7.8 CFSM .85 IN 11.59

PEAK DISCHARGE (BASE, 700 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-16	0400	8.39	876	02-17	1100	10.92	2,250
01-26	1600	8.13	803	03-04	2400	9.30	1,300
02-11	0700	10.92	2,250	07-12	1500	11.30	2,370

03349000 White River at Noblesville, Ind.

LOCATION.--Lat 40°02'50", long 86°01'00", in SE¼SE¼ sec.36, T.19 N., R.4 E., Hamilton County, on right bank at downstream side of Logan Street bridge in Noblesville, 1.5 miles (2.4 km) upstream from Cicero Creek, 5.1 miles (8.2 km) downstream from dam at Clare, and at mile 263.5 (424.0 km).

DRAINAGE AREA.--858 mi^2 (2,222 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: October 1946 to current year. Gage-height records collected at present site from December 1913 to December 1935, and after June 1951, and at site 400 ft (122 m) 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.
WATER TEMPERATURE: November 1952 to current year.

GAGE.--Water-stage recorder. Datum of gage is 738.16 ft (224.991 m) above mean sea level.

AVERAGE DISCHARGE.--30 years, 833 ft^3/s (23.59 m^3/s), 13.19 in/yr (335 mm/yr).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	186	2230	1830	770	1020	598	281	2100	1840	210	145
2	189	178	1470	1330	650	924	564	280	1930	1060	199	141
3	164	172	878	1190	490	879	526	273	1180	641	197	140
4	152	174	620	1270	500	3470	486	267	650	542	192	165
5	146	185	497	800	585	7530	448	251	470	394	181	181
6	137	173	456	654	493	6450	444	257	400	309	202	133
7	137	233	490	570	437	3790	426	377	340	327	239	129
8	159	355	450	560	420	2520	401	403	300	359	230	131
9	205	309	407	313	440	1930	373	316	270	316	186	148
10	212	347	373	350	1750	1610	363	270	250	281	184	194
11	185	565	344	375	8200	1440	367	251	240	236	181	187
12	168	427	317	410	7960	1330	356	230	220	4010	174	158
13	161	359	323	430	4340	1250	340	224	210	4410	192	144
14	189	298	355	1320	4000	1150	336	233	200	2000	202	147
15	110	257	1610	1630	2980	1070	339	251	190	1150	218	145
16	144	236	3770	1210	3820	999	337	248	290	1750	207	140
17	155	224	2960	847	10000	969	324	221	320	1500	194	156
18	216	218	1620	543	11400	892	304	210	280	800	181	150
19	427	205	1050	526	6840	882	303	202	250	550	169	147
20	482	210	786	486	4570	906	318	192	270	420	164	174
21	398	242	657	404	3660	1450	325	181	300	360	157	184
22	307	221	527	375	4430	1710	332	166	290	310	155	162
23	256	197	453	360	3620	1320	313	159	500	281	146	146
24	228	184	422	370	2580	1090	313	152	1240	270	148	141
25	217	188	380	540	2080	955	346	174	1820	248	152	139
26	211	188	397	3940	1730	889	389	171	1180	224	155	139
27	192	193	367	5610	1460	1070	352	162	542	224	157	150
28	197	182	346	3730	1270	933	314	166	408	213	157	164
29	198	199	324	2070	1130	774	289	169	583	251	155	157
30	196	1010	426	1410	---	734	278	189	1140	248	137	146
31	188	---	1220	950	---	663	---	941	---	230	139	---
TOTAL	6500	8115	26525	36403	92605	52599	11204	7867	18363	25754	5560	4583
MEAN	210	271	856	1174	3193	1697	373	254	612	831	179	153
MAX	482	1010	3770	5610	11400	7530	598	941	2100	4410	239	194
MIN	110	172	317	313	420	663	278	152	190	213	137	129
CFSM	.24	.32	1.00	1.37	3.72	1.98	.43	.30	.71	.97	.21	.18
IN.	.28	.35	1.15	1.58	4.02	2.28	.49	.34	.80	1.12	.24	.20

CAL YR 1975 TOTAL 365634 MEAN 1002 MAX 12500 MIN 110 CFSM 1.17 IN 15.85
WTR YR 1976 TOTAL 296078 MEAN 809 MAX 11400 MIN 110 CFSM .94 IN 12.84

PEAK DISCHARGE (BASE, 6,000 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-12	0600	14.65	8,490	03-05	1815	13.26	8,080
02-18	1600	15.64	11,800				

03349000 White River at Noblesville, Ind.--Continued

EXTREMES.--WATER DISCHARGE, Current year: Maximum discharge, 11,800 ft^3/s (334 m^3/s) Feb. 18, gage height, 15.64 ft (4.767 m); minimum daily, 110 ft^3/s (3.12 m^3/s) Oct. 15 (regulation).
Period of record: Maximum discharge, 26,800 ft^3/s (759 m^3/s) Apr. 22, 1964, gage height, 21.31 ft (6.495 m); minimum daily, 44 ft^3/s (1.25 m^3/s) Sept. 28, 1954.

WATER TEMPERATURE, Current year: Maximum temperature, 27.5°C June 12, 13, July 11; minimum, 0.5°C, January and February.
Period of record: Maximum temperature, 34.0°C Aug. 1, 1953; minimum, freezing point on many days during most winter periods.

REMARKS.--Records good. Flow slightly regulated by powerplant above station.

REVISIONS (WATER YEARS).--WSP 1335: 1949. WSP 2109: Drainage area.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	18.5	16.0	11.0	10.0	8.0	7.0	5.5	3.5	2.0	1.5	11.5	11.0
2	17.5	14.5	13.0	11.0	7.0	5.0	3.5	3.5	2.0	1.0	12.0	11.5
3	19.0	17.0	13.5	13.0	6.5	5.5	3.5	2.5	2.5	1.0	14.0	12.0
4	19.0	17.5	15.5	13.5	7.5	5.5	2.5	1.0	2.5	1.0	14.0	12.5
5	18.5	16.5	16.0	14.5	8.0	6.0	1.5	1.0	2.0	1.0	12.5	11.5
6	17.0	15.0	20.0	15.5	9.0	8.0	3.0	1.0	2.0	0.5	11.5	9.0
7	17.5	16.0	20.0	20.0	9.0	6.5	2.5	1.5	2.5	1.0	9.0	8.0
8	19.0	17.5	20.0	17.5	8.0	6.0	2.0	1.0	2.0	1.0	8.5	8.0
9	19.5	18.5	17.5	16.5	8.0	6.0	1.5	1.0	3.5	0.5	8.5	8.0
10	19.5	18.5	17.0	15.0	8.0	6.0	2.0	1.0	3.0	1.5	8.5	8.0
11	19.5	17.0	15.0	13.0	8.0	6.5	1.0	0.5	2.5	2.0	9.0	7.5
12	17.0	15.0	13.0	12.0	7.5	5.5	1.5	0.5	2.5	1.5	10.5	8.5
13	17.5	15.5	12.0	10.5	7.5	5.5	1.0	0.5	4.5	2.5	10.5	8.5
14	18.0	16.0	10.5	8.5	10.5	7.5	1.0	0.5	4.5	4.5	8.5	7.0
15	17.5	14.0	10.0	7.0	11.5	10.5	1.0	0.5	6.0	4.5	9.5	7.5
16	17.0	15.0	8.5	7.0	10.5	8.0	1.0	0.5	7.0	6.0	9.5	8.0
17	16.0	13.0	9.0	7.5	8.0	6.0	1.0	0.5	7.5	7.0	8.5	7.0
18	13.0	11.5	9.5	8.0	6.0	3.0	1.0	0.5	8.5	7.5	9.0	7.0
19	11.5	11.0	9.5	8.0	3.0	2.0	2.0	0.5	8.5	8.0	12.0	8.5
20	12.0	11.0	12.0	9.5	3.0	2.0	2.5	1.0	8.0	7.0	13.0	12.0
21	13.5	11.5	12.0	9.0	3.5	3.0	3.0	1.0	8.0	7.5	13.0	11.0
22	15.0	13.0	11.0	8.5	3.0	2.5	3.5	1.0	8.0	7.5	11.0	9.5
23	14.0	14.0	10.0	8.5	3.5	1.5	5.0	2.5	7.5	6.5	11.0	9.0
24	14.0	10.5	9.0	5.5	4.0	3.5	4.0	1.0	7.0	5.5	12.5	10.0
25	17.0	15.0	9.5	7.5	4.0	2.0	3.0	1.0	8.5	7.0	13.5	12.0
26	15.0	14.0	8.5	6.0	2.0	1.0	1.0	1.0	10.5	8.5	15.0	13.5
27	14.0	12.0	7.0	3.5	2.0	1.5	1.0	0.5	11.5	9.5	15.0	14.5
28	13.5	12.5	3.5	2.5	2.0	2.0	0.5	0.5	11.0	10.0	14.5	12.0
29	13.5	12.5	5.0	3.0	5.5	2.0	1.5	0.5	11.0	10.0	14.0	13.0
30	12.5	11.0	8.0	5.0	6.0	4.5	2.0	1.5	---	---	14.5	13.0
31	11.5	10.0	---	---	5.5	5.0	2.0	2.0	---	---	14.5	13.5
MONTH	19.5	10.0	20.0	2.5	11.5	1.0	5.5	0.5	11.5	0.5	15.0	7.0

03349000 White River at Noblesville, Ind.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	14.0	12.0	15.0	14.5	16.0	14.0	21.5	19.5				
2	14.5	10.5	15.5	14.0	17.5	17.5	20.5	19.5				
3	15.0	12.0	15.0	12.5	14.5	15.0	21.0	20.0				
4	14.0	13.0	16.0	12.0	21.0	14.5	21.5	20.5				
5	15.0	12.0	15.0	13.5	21.0	20.0	22.0	21.0				
6	15.5	13.0	17.5	15.0	22.0	19.5	24.0	21.0				
7	16.0	13.5	16.0	15.5	23.0	20.0	23.5	21.0				
8	17.5	14.0	17.5	14.5	25.5	22.0	23.5	21.0				
9	17.5	15.0	17.0	13.5	25.5	23.0	25.0	22.0				
10	16.0	14.5	20.0	15.0	25.0	23.5	24.5	24.0				
11	15.0	14.0	20.0	16.0	25.5	23.5	27.5	25.5				
12	15.5	12.5	21.0	15.0	27.5	25.0	27.0	---				
13	16.5	12.0	21.5	14.0	27.5	26.5	---	---				
14	16.5	13.0	21.0	14.5	27.0	25.0	---	---				
15	20.5	17.0	21.0	14.5	27.0	26.5	---	---				
16	21.0	19.5	14.5	14.0	26.5	24.5	---	---				
17	22.0	19.0	14.5	16.0	25.5	22.5	---	---				
18	22.0	19.5	19.5	16.0	25.0	23.5	---	---				
19	21.0	20.0	20.0	17.5	25.0	23.5	---	---				
20	22.0	19.5	20.5	16.5	25.0	22.5	---	---				
21	22.0	20.0	21.5	16.5	24.0	21.0	---	---				
22	22.5	19.5	21.5	19.5	23.5	21.0	---	---				
23	24.0	19.0	21.0	19.5	21.5	20.0	---	---				
24	23.5	20.5	21.5	17.5	21.0	---	---	---				
25	20.5	17.0	21.5	14.5	19.5	19.5	---	---				
26	19.0	15.5	21.0	17.0	21.5	18.5	---	---				
27	18.5	14.0	22.0	19.0	24.0	19.0	---	---				
28	18.0	11.5	22.0	20.0	24.5	21.0	---	---				
29	17.5	13.5	20.5	19.5	24.0	22.0	---	---				
30	17.5	15.0	20.5	18.5	23.0	22.0	---	---				
31	---	---	18.5	15.0	---	---	---	---				
MONTH	24.0	10.5	22.0	12.0	27.5	17.5	---	---				

03349500 Cicero Creek near Arcadia, Ind.

LOCATION.--Lat 40°10'34", long 85°59'43", in NW¼NW¼ sec.20, T.20 N., R.5 E., Hamilton County, on left bank at downstream side of bridge, 1.5 miles (2.4 km) east of Arcadia, 12.5 miles (20.1 km) upstream from Morse Dam, and at mile 17.2 (27.7 km).

DRAINAGE AREA.--131 mi^2 (339 km^2).

PERIOD OF RECORD.--October 1954 to September 1976 (discontinued as a continuous-record station; converted to a crest-stage and low-flow partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 815.12 ft (248.449 m) above mean sea level. Prior to Dec. 7, 1955, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--22 years, 122 ft^3/s (3.455 m^3/s), 12.65 in/yr (321 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,140 ft^3/s (60.6 m^3/s) Feb. 17, gage height, 9.14 ft (2.786 m); minimum daily, 0.60 ft^3/s (0.02 m^3/s) Sept. 7, 12-14, 23-26.
Period of record: Maximum discharge, 6,720 ft^3/s (190 m^3/s) June 29, 1957, gage height, 11.86 ft (3.615 m); minimum daily, 0.5 ft^3/s (0.01 m^3/s) Oct. 10, 1956.
Maximum stage known, 15.6 ft (4.75 m) (probably the flood in January 1937), from information by local residents.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	11	516	136	67	107	66	19	32	290	7.3	2.5
2	8.5	11	248	102	56	96	59	20	60	166	6.9	2.4
3	7.0	10	146	118	51	88	53	19	42	124	6.5	2.3
4	6.9	10	107	79	46	767	52	18	28	85	6.5	2.5
5	6.6	10	89	68	42	1120	45	16	21	64	5.4	2.4
6	8.1	10	88	58	44	647	44	16	17	52	6.5	1.6
7	9.3	16	101	54	38	415	42	19	15	47	7.7	.60
8	12	19	87	40	37	297	38	16	15	43	5.7	.68
9	15	17	79	37	40	220	35	14	13	35	3.7	1.8
10	13	29	67	34	468	162	34	14	13	31	3.7	5.7
11	11	28	58	42	1890	138	35	14	12	44	3.3	.94
12	7.7	22	50	37	1080	132	31	13	11	451	3.3	.60
13	7.5	18	56	67	830	121	30	13	10	248	3.3	.60
14	7.9	14	63	234	590	96	31	16	9.5	124	3.3	.60
15	9.3	13	668	133	456	86	31	16	9.5	132	5.0	.73
16	11	11	693	96	920	89	30	16	222	258	4.7	1.3
17	11	10	387	70	2090	82	27	14	156	122	3.3	1.3
18	12	9.5	216	52	1480	78	26	13	72	67	3.0	1.4
19	24	9.0	142	45	760	83	25	12	59	44	3.2	2.3
20	21	9.9	114	40	542	83	29	11	39	34	2.7	4.2
21	17	14	81	36	675	124	31	10	27	29	2.9	2.3
22	15	11	64	33	834	95	29	10	48	25	2.6	.99
23	13	8.7	62	36	520	80	25	9.2	92	23	2.3	.60
24	11	8.0	51	42	401	78	24	8.9	401	20	1.9	.60
25	14	8.8	48	126	316	74	30	9.2	524	17	3.5	.60
26	18	8.4	48	671	245	69	27	8.7	276	14	3.1	.60
27	16	9.4	47	343	189	100	22	8.4	146	13	3.3	1.7
28	15	9.0	36	190	154	94	20	8.7	249	11	3.3	1.0
29	13	28	32	132	129	83	19	10	378	14	2.6	.87
30	12	453	75	97	---	82	19	13	479	11	2.3	.67
31	11	---	194	74	---	69	---	35	---	9.0	2.3	---
TOTAL	371.8	845.7	4713	3322	14990	5855	1009	440.1	3476.0	2647.0	125.1	46.38
MEAN	12.0	28.2	152	107	517	189	33.6	14.2	116	85.4	4.04	1.55
MAX	24	453	693	671	2090	1120	66	35	524	451	7.7	5.7
MIN	6.6	8.0	32	33	37	69	19	8.4	9.5	9.0	1.9	.60
CFSM	.09	.22	1.16	.82	3.95	1.44	.26	.11	.89	.65	.03	.01
IN.	.11	.24	1.34	.94	4.26	1.66	.29	.12	.99	.75	.04	.01

CAL YR 1975 TOTAL 50284.60 MEAN 138 MAX 1610 MIN 2.0 CFSM 1.05 IN 14.28
WTR YR 1976 TOTAL 37841.08 MEAN 103 MAX 2090 MIN .60 CFSM .79 IN 10.75

PEAK DISCHARGE (BASE, 1,100 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-11	1600	9.05	2,090	03-05	1400	7.40	1,190
02-17	1300	9.14	2,140				

03349700 Little Cicero Creek near Arcadia, Ind.

LOCATION.--Lat 40°10'32", long 86°02'45", in NE¼NW¼ sec.23, T.20 N., R.4 E., Hamilton County, on left bank on downstream side of county road bridge, 0.5 mile (0.8 km) downstream from Taylor Creek, 1.3 miles (2.1 km) west of Arcadia, 3.9 miles (6.3 km) upstream from mouth, and 9.3 miles (15.0 km) northwest of Noblesville.

DRAINAGE AREA.--40.4 mi^2 (104.6 km^2).

PERIOD OF RECORD.--October 1955 to September 1976 (discontinued as a continuous-record station; converted to a crest-stage and low-flow partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 831.36 ft (253.399 m). Prior to Nov. 29, 1974, at same site at datum 2.00 ft (0.610 m) higher.

AVERAGE DISCHARGE.--21 years, 39.7 ft^3/s (1.124 m^3/s), 13.34 in/yr (339 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,000 ft^3/s (28.3 m^3/s) Feb. 10, gage height, 8.31 ft (2.533 m); minimum daily, 0.14 ft^3/s (0.004 m^3/s) Sept. 8.
Period of record: Maximum discharge, 3,980 ft^3/s (113 m^3/s) June 28, 1957, gage height, 10.69 ft (3.258 m) present datum; no flow at times during 1957, 1963, 1964, 1966-68.

REMARKS.--Records fair. No gage-height record Apr. 22 to July 19.

REVISIONS.--WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.86	2.8	170	58	21	26	29	7.4	9.0	64	2.1	.26
2	.72	2.5	50	44	17	23	26	7.6	15	40	2.0	.22
3	.66	2.2	34	54	15	22	24	7.2	10	28	1.6	.24
4	.69	2.2	29	41	13	534	22	6.8	8.0	21	1.3	.24
5	.71	2.1	25	30	12	489	19	5.8	5.8	17	1.1	.22
6	.78	2.0	27	25	12	244	19	5.2	4.5	14	1.4	.20
7	.53	3.0	32	23	11	151	17	6.0	4.2	12	1.5	.17
8	.91	4.8	26	18	11	103	15	5.4	3.9	11	1.7	.14
9	2.5	4.5	21	13	11	79	14	3.9	3.8	9.5	1.5	.17
10	2.9	7.7	17	12	446	62	13	3.9	3.7	8.2	1.1	.41
11	2.7	7.0	15	14	696	56	14	3.9	3.5	11	.75	.46
12	2.0	5.6	13	12	257	56	12	3.7	3.2	120	.55	.38
13	1.7	4.7	14	29	247	48	12	3.6	3.0	60	.53	.34
14	1.4	3.9	16	95	166	39	12	4.2	2.8	37	.53	.31
15	1.4	3.3	347	53	133	35	12	4.5	2.7	40	.63	.26
16	1.2	3.0	276	37	441	36	11	4.5	64	64	.57	.26
17	1.1	2.8	143	21	733	33	10	4.1	40	32	.57	.24
18	1.8	2.6	79	16	317	32	9.9	3.7	20	15	.50	.27
19	5.6	2.4	54	14	187	34	9.8	3.4	15	9.4	.46	.29
20	6.5	2.3	41	13	125	38	10	3.0	10	8.0	.47	.41
21	5.5	3.3	26	12	211	104	11	2.8	7.6	7.0	.43	.44
22	4.6	2.8	21	11	225	63	10	2.6	10	6.2	.38	.39
23	3.7	2.4	18	11	124	48	9.6	2.5	21	5.7	.34	.38
24	3.1	2.1	15	12	92	42	9.2	2.4	130	5.0	.30	.36
25	3.7	2.2	14	59	70	36	11	2.4	160	4.4	.47	.29
26	4.1	2.1	16	308	54	33	10	2.3	70	3.7	.43	.29
27	4.6	2.4	13	125	43	45	8.4	2.3	37	3.3	.45	.31
28	3.9	2.2	11	81	36	46	7.6	2.2	58	3.1	.45	.34
29	3.3	10	10	44	31	41	7.4	2.5	70	3.6	.35	.34
30	2.9	207	32	34	---	37	7.4	3.5	110	2.9	.27	.38
31	2.7	---	85	24	---	30	---	10	---	2.6	.25	---
TOTAL	78.76	307.9	1690	1343	4757	2665	402.3	133.3	905.7	668.6	24.98	9.01
MEAN	2.54	10.3	54.5	43.3	164	86.0	13.4	4.30	30.2	21.6	.81	.30
MAX	6.5	207	347	308	733	534	29	10	160	120	2.1	.46
MIN	.53	2.0	10	11	11	22	7.4	2.2	2.7	2.6	.25	.14
CFSM	.06	.25	1.35	1.07	4.06	2.13	.33	.11	.75	.53	.02	.007
IN.	.07	.28	1.56	1.24	4.38	2.45	.37	.12	.83	.62	.02	.008

CAL YR 1975 TOTAL 14854.05 MEAN 40.7 MAX 771 MIN .33 CFSM 1.01 IN 13.68
WTR YR 1976 TOTAL 12985.55 MEAN 35.5 MAX 733 MIN .14 CFSM .88 IN 11.96

PEAK DISCHARGE (BASE, 500 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-10	1800	8.31	1,000	03-04	1100	7.04	675
02-17	0100	7.83	888				

03350100 Hinkle Creek near Cicero, Ind.

LOCATION.--Lat 40°06'05", long 86°05'10", in NW¼NW¼ sec.16, T.19 N., R.4 E., Hamilton County, on left bank on downstream side of bridge on county road, 3.7 miles (6.0 km) above mouth, 4.0 miles (6.4 km) upstream from Morse Reservoir Dam, 4.2 miles (6.8 km) southwest of Cicero, and 5.7 miles (9.2 km) northwest of Noblesville.

DRAINAGE AREA.--18.5 mi^2 (47.9 km^2).

PERIOD OF RECORD.--October 1955 to September 1976 (discontinued as a continuous-record station; converted to a crest-stage and low-flow partial-record station).

GAGE.--Water-stage recorder. Altitude of gage is 820 ft (250 m) from topographic map.

AVERAGE DISCHARGE.--21 years, 19.6 ft^3/s (0.555 m^3/s), 14.39 in/yr (366 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,290 ft^3/s (36.5 m^3/s) Feb. 10, gage height, 5.39 ft (1.643 m); minimum daily, 0.58 ft^3/s (0.016 m^3/s) Sept. 8.
Period of record: Maximum discharge, 4,920 ft^3/s (139 m^3/s) June 28, 1957, gage height, 8.45 ft (2.576 m); minimum daily, 0.07 ft^3/s (0.002 m^3/s) Sept. 8, 1967.

REMARKS.--Records good.

REVISIONS.--WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.81	2.1	53	18	8.6	14	12	3.4	45	17	2.3	.72
2	.90	2.1	26	15	8.0	14	10	3.4	21	11	1.8	.73
3	1.0	2.0	18	19	6.8	14	12	3.1	12	15	1.7	.74
4	1.1	2.0	14	14	5.8	353	9.3	3.0	8.5	8.8	1.6	.70
5	1.0	1.9	12	12	5.5	202	8.3	3.4	6.4	6.6	1.6	.69
6	1.0	1.9	14	11	5.4	77	7.9	3.6	5.2	5.4	2.7	.63
7	1.1	3.5	15	10	5.4	46	7.5	4.2	4.6	4.7	3.7	.63
8	1.6	3.2	13	7.4	5.6	33	7.1	3.2	4.1	4.4	2.0	.58
9	2.9	2.3	12	7.0	6.3	26	6.6	3.0	3.7	3.8	1.5	.81
10	1.9	3.3	10	6.6	488	22	6.6	2.7	3.2	3.2	1.3	.97
11	1.9	3.9	9.3	6.4	249	20	6.2	2.4	3.0	11	1.2	.88
12	2.1	2.9	8.8	6.3	94	19	5.4	2.3	2.7	79	1.3	.77
13	2.1	2.5	9.8	29	95	16	5.4	2.4	2.4	16	1.4	.79
14	1.9	2.3	10	67	58	14	5.4	2.7	2.3	8.3	1.3	.73
15	2.4	2.2	177	28	46	13	5.4	2.8	2.2	14	1.3	.72
16	2.7	2.1	63	20	439	14	5.0	2.6	7.1	15	1.1	.72
17	3.1	2.1	35	12	427	13	4.7	2.4	3.6	6.8	.95	.71
18	5.0	2.0	22	9.0	113	14	4.4	2.3	2.6	4.7	.85	.72
19	6.5	2.0	16	7.7	68	14	4.4	2.1	4.8	3.6	.82	.68
20	4.2	2.1	14	7.0	46	20	4.7	2.1	3.1	3.1	.79	.93
21	2.8	2.6	10	6.5	100	45	5.0	2.0	2.5	2.7	.77	.85
22	2.5	2.2	8.8	6.1	79	22	4.0	1.9	4.9	2.7	.74	.78
23	2.3	2.0	8.2	6.0	44	18	3.7	1.9	8.1	2.6	.74	.72
24	2.2	1.9	7.5	7.0	34	16	3.8	1.9	41	2.2	.74	.68
25	2.5	1.9	7.5	98	29	14	5.5	1.8	24	2.0	.79	.63
26	2.8	1.9	8.6	455	25	13	4.8	1.8	12	1.9	.86	.71
27	2.4	2.1	6.2	50	20	18	3.6	1.8	7.4	2.0	.85	.77
28	2.4	2.0	5.5	25	18	19	3.5	1.8	17	2.2	.84	.77
29	2.3	4.8	5.5	14	16	15	3.4	2.1	20	3.7	.79	.69
30	2.2	111	16	14	---	14	3.2	3.8	43	2.3	.76	.68
31	2.1	---	26	10	---	12	---	11	---	2.7	.75	---
TOTAL	71.71	180.8	661.7	1004.0	2545.4	1164	178.8	88.9	327.4	268.4	39.84	22.13
MEAN	2.31	6.03	21.3	32.4	87.8	37.5	5.96	2.87	10.9	8.66	1.29	.74
MAX	6.5	111	177	455	488	353	12	11	45	79	3.7	.97
MIN	.81	1.9	5.5	6.0	5.4	12	3.2	1.8	2.2	1.9	.74	.58
CFSM	.12	.33	1.15	1.75	4.75	2.03	.32	.16	.59	.47	.07	.04
IN.	.14	.36	1.33	2.02	5.12	2.34	.36	.18	.66	.54	.08	.04

CAL YR 1975 TOTAL 6531.14 MEAN 17.9 MAX 546 MIN .59 CFSM .97 IN 13.13
WTR YR 1976 TOTAL 6553.08 MEAN 17.9 MAX 488 MIN .58 CFSM .97 IN 13.18

PEAK DISCHARGE (BASE, 400 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-25	2400	4.64	948	02-16	2000	5.27	1,230
02-10	2000	5.39	1,290	03-04	1100	4.23	782

03350300 Morse Reservoir near Noblesville, Ind.

LOCATION.--Lat 40°04'21", long 86°02'47", in SE¼SW¼ sec.23, T.19 N., R.4 E., Hamilton County, in intake structure of reservoir on Cicero Creek, 2.5 miles (4.0 km) northwest of courthouse in Noblesville, and 4.8 miles (7.7 km) above mouth.

DRAINAGE AREA.--214 mi^2 (554 km^2).

PERIOD OF RECORD.--December 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 760.00 ft (231.648 m) above mean sea level.

EXTREMES.--Current year: Maximum contents, 23,380 acre-ft (28.8 hm^3) Feb. 17, elevation, 811.60 ft (247.376 m); minimum, 19,850 acre-ft (24.5 hm^3) Sept. 25, elevation, 808.97 ft (246.574 m).
Period of record: Maximum contents, 25,310 acre-ft (31.2 hm^3) June 28, 1957, elevation, 812.95 ft (247.787 m); minimum, 14,120 acre-ft (17.4 hm^3) Jan. 5, 1964, elevation, 804.26 ft (245.138 m).

REMARKS.--Reservoir is formed by earth-fill dam. Releases normally controlled by two 36-inch (914 mm) valves or one 16-inch (406 mm) valve. Minimum design capacity is essentially empty at invert of outlet conduit at elevation of 763.50 ft (232.715 m). Capacity at uncontrolled spillway elevation, 810 ft (246.9 m) is 21,180 acre-ft (26.1 hm^3). Reservoir is used for low-flow augmentation of the water supply for Indianapolis and recreation. Reservoir put in operation on Dec. 9, 1955, and was filled for the first time on Feb. 3, 1957.

COOPERATION.--Records furnished by Indianapolis Water Company.

Month-end elevation and contents, water year October 1975 to September 1976

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	809.93	21,090	-
Oct. 31	810.01	21,190	+100
Nov. 30	809.55	20,600	-590
Dec. 31	810.25	21,520	+920
Calendar year 1975	-	-	-10
Jan. 31	810.20	21,450	-70
Feb. 29	810.26	21,530	+80
Mar. 31	810.20	21,450	-80
Apr. 30	810.05	21,240	-210
May 31	810.13	21,350	+110
June 30	810.53	21,910	+560
July 31	809.86	21,000	-910
Aug. 31	809.59	20,650	-350
Sept. 30	809.00	19,890	-760
Water year 1976	-	-	-1,200

03350500 Cicero Creek at Noblesville, Ind.

LOCATION.--Lat 40°03'20", long 86°02'30", in NW¼NE¼ sec.35, T.19 N., R.4 E., Hamilton County, on right bank 150 ft (46 m) downstream from bridge on State Highway 38, 1.0 mile (1.6 km) northwest of Noblesville, 1.9 miles (3.1 km) downstream from Hinkle Creek, and 3.2 miles (5.1 km) upstream from mouth.

DRAINAGE AREA.--216 mi^2 (559 km^2).

PERIOD OF RECORD.--July 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 750.00 ft (228.600 m) above mean sea level (levels by State of Indiana, Department of Natural Resources).

AVERAGE DISCHARGE.--26 years, 195 ft^3/s (5.522 m^3/s), 12.26 in/yr (311 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,140 ft^3/s (117 m^3/s) Feb. 17, gage height, 12.64 ft (3.853 m); minimum daily, 0.86 ft^3/s (0.024 m^3/s) Sept. 23.
Period of record: Maximum discharge, 9,800 ft^3/s (278 m^3/s) June 28, 1957, gage height, 15.26 ft (4.651 m); minimum daily, 0.6 ft^3/s (0.017 m^3/s) Sept. 25, 1954.

REMARKS.--Records good. Flow regulated by Morse Reservoir (See sta 03350300).

REVISIONS.--WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	8.3	715	275	110	203	150	33	232	475	94	33
2	8.9	8.8	441	226	95	176	132	39	187	279	40	28
3	2.7	10	303	224	90	180	121	33	126	218	2.9	24
4	4.7	13	203	191	83	1140	121	15	82	154	2.5	18
5	6.7	17	174	150	78	1900	103	14	61	113	2.6	17
6	3.8	17	189	120	82	1300	101	29	54	82	3.4	18
7	4.8	38	162	110	72	755	101	53	31	68	3.9	17
8	12	45	160	94	68	507	103	26	31	67	4.0	23
9	15	44	156	87	80	384	64	25	29	51	2.9	29
10	18	46	128	84	800	310	70	17	18	45	2.3	21
11	25	45	118	80	3000	264	85	35	17	52	2.3	1.7
12	16	40	111	82	1700	237	52	13	22	381	2.5	1.5
13	10	116	103	108	1420	241	53	11	19	362	3.1	1.4
14	11	89	106	252	1090	182	56	26	6.9	203	3.1	7.8
15	15	113	786	266	735	174	59	38	4.7	184	4.8	18
16	11	115	1280	216	1370	189	61	36	115	364	2.9	18
17	57	116	752	145	3800	143	59	43	258	235	2.5	17
18	58	113	413	116	2630	136	51	41	163	137	2.1	17
19	12	85	270	103	1410	143	52	13	138	82	1.3	17
20	15	52	241	85	897	166	59	8.7	96	56	1.8	13
21	21	1.9	178	78	943	301	56	12	60	51	2.1	4.6
22	28	1.6	128	80	1360	248	57	15	89	40	3.8	.94
23	28	1.8	123	76	900	195	59	12	136	36	2.9	.86
24	25	1.8	111	80	596	166	48	11	379	39	2.5	1.1
25	40	1.6	110	160	483	168	87	8.1	746	31	3.3	1.7
26	24	1.8	145	1000	391	160	69	3.3	487	11	4.0	2.1
27	20	1.8	108	560	315	233	39	3.6	279	11	4.3	2.3
28	20	1.8	94	300	270	220	28	2.7	241	10	4.5	2.4
29	47	3.1	87	220	231	191	27	8.0	456	40	7.4	2.2
30	16	67	116	160	---	178	28	28	652	94	16	2.4
31	8.3	---	266	125	---	164	---	108	---	97	35	---
TOTAL	591.3	1215.3	8277	5853	25099	10954	2151	760.4	5215.6	4068	270.7	361.00
MEAN	19.1	40.5	267	189	865	353	71.7	24.5	174	131	8.73	12.0
MAX	58	116	1280	1000	3800	1900	150	108	746	475	94	33
MIN	2.7	1.6	87	76	68	136	27	2.7	4.7	10	1.3	.86
CFSM	.09	.19	1.24	.88	4.00	1.63	.33	.11	.81	.61	.04	.06
IN.	.10	.21	1.43	1.01	4.32	1.89	.37	.13	.90	.70	.05	.06

CAL YR 1975 TOTAL 81790.70 MEAN 224 MAX 2800 MIN 1.6 CFSM 1.04 IN 14.09
WTR YR 1976 TOTAL 64816.30 MEAN 177 MAX 3800 MIN .86 CFSM .82 IN 11.16

03350700 Stony Creek near Noblesville, Ind.

LOCATION.--Lat 40°01'44", long 85°59'42", in NE¼NE¼ sec.7, T.18 N., R.5 E., Hamilton County, on left bank at downstream side of county road bridge, 1.4 miles (2.3 km) upstream from mouth, and 1.4 miles (2.3 km) southeast of Noblesville.

DRAINAGE AREA.--50.8 mi^2 (131.6 km^2).

PERIOD OF RECORD.--July 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 749.00 ft (228.295 m) above mean sea level (Indiana State Highway Commission bench mark).

AVERAGE DISCHARGE.--9 years, 48.9 ft^3/s (1.385 m^3/s), 13.07 in/yr (332 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,560 ft^3/s (44.2 m^3/s) Feb. 17, gage height, 7.35 ft (2.240 m); minimum daily, 4.5 ft^3/s (0.13 m^3/s) Sept. 1, 2, 4-8, 13, 14.
Period of record: Maximum discharge, 1,560 ft^3/s (44.2 m^3/s) Feb. 17, 1976, gage height, 7.35 ft (2.240 m); minimum daily, 3.8 ft^3/s (0.11 m^3/s) Sept. 1, 1967.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	8.3	118	79	32	58	42	16	394	112	12	4.5
2	8.3	7.7	67	63	28	53	38	16	187	60	11	4.5
3	7.0	8.3	44	83	23	64	34	16	110	80	9.8	4.7
4	7.5	8.5	32	62	20	536	32	15	74	43	9.6	4.5
5	7.5	8.0	26	46	18	500	30	15	51	32	8.7	4.5
6	7.0	7.0	22	35	32	252	28	16	43	27	9.8	4.5
7	6.8	12	21	26	26	171	27	22	35	30	12	4.5
8	7.2	16	20	22	24	137	24	17	31	35	8.5	4.5
9	9.7	11	19	19	60	115	22	15	26	28	7.2	5.9
10	7.7	24	18	17	312	95	21	15	23	22	6.9	10
11	7.5	20	17	16	593	87	22	15	22	25	6.5	5.5
12	7.5	16	16	16	214	83	20	14	19	364	7.7	4.9
13	7.2	12	15	52	174	74	19	14	18	314	22	4.5
14	7.0	10	65	112	145	61	20	16	16	139	10	4.5
15	7.2	9.0	145	56	120	56	20	17	16	68	9.1	4.7
16	7.5	7.7	144	36	236	57	19	16	17	93	7.7	4.7
17	7.7	6.8	97	29	1150	55	17	15	16	56	6.6	4.9
18	9.4	6.5	72	25	485	52	17	14	15	34	6.6	4.9
19	26	7.0	60	21	248	52	16	14	14	22	6.0	4.7
20	19	7.5	40	19	183	50	17	13	13	17	5.8	5.8
21	15	6.8	31	17	206	106	18	12	13	13	5.6	4.9
22	11	6.4	25	17	214	74	18	12	14	11	5.3	4.7
23	10	6.0	23	16	154	61	17	12	16	9.9	5.1	4.7
24	9.4	5.8	21	15	131	55	17	11	110	8.4	5.1	4.7
25	8.0	5.6	20	133	113	51	21	11	106	7.5	5.3	4.7
26	8.5	6.0	22	390	97	51	20	11	52	6.8	5.1	5.6
27	9.1	6.4	19	152	82	81	16	10	32	7.0	5.3	6.6
28	8.3	13	18	104	73	64	15	10	27	6.6	4.9	6.0
29	9.4	24	17	74	66	56	15	11	51	8.3	4.9	5.6
30	8.5	125	42	58	---	52	16	21	191	12	4.7	5.3
31	9.1	---	98	38	---	46	---	120	---	13	4.7	---
TOTAL	289.0	418.3	1394	1848	5259	3305	658	552	1752	1704.5	239.5	154.0
MEAN	9.32	13.9	45.0	59.6	181	107	21.9	17.8	58.4	55.0	7.73	5.13
MAX	26	125	145	390	1150	536	42	120	394	364	22	10
MIN	6.8	5.6	15	15	18	46	15	10	13	6.6	4.7	4.5
CFSM	.18	.27	.89	1.17	3.56	2.11	.43	.35	1.15	1.08	.15	.10
IN.	.21	.31	1.02	1.35	3.85	2.42	.48	.40	1.28	1.25	.18	.11

CAL YR 1975 TOTAL 17231.6 MEAN 47.2 MAX 1120 MIN 4.6 CFSM .93 IN 12.62
WTR YR 1976 TOTAL 17573.3 MEAN 48.0 MAX 1150 MIN 4.5 CFSM .94 IN 12.87

PEAK DISCHARGE (BASE, 300 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-26	0300	5.02	576	03-04	1800	5.55	736
02-11	0400	5.81	823	06-01	1300	4.90	539
02-17	0600	7.35	1,560	07-13	0300	4.30	411

03351000 White River near Nora, Ind.

LOCATION.--Lat 39°54'35", long 86°06'20", in NW¼NW¼ sec.20, T.17 N., R.4 E., Marion County, on downstream side of center pier of bridge on State Highway 100, 2 miles (3 km) east of Nora, 14 miles (23 km) upstream from Fall Creek, and at mile 247.9 (398.9 km).

DRAINAGE AREA.--1,219 mi^2 (3,157 km^2).

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.

GAGE.--Water-stage recorder. Datum of gage is 710.94 ft (216.695 m) above mean sea level (levels by Corps of Engineers). Oct. 26, 1929, to July 29, 1942, at site 200 ft (61 m) downstream at same datum. Supplemental water-stage recorder 4.5 miles (7.2 km) downstream.

AVERAGE DISCHARGE.--47 years, 1,089 ft^3/s (30.84 m^3/s), 12.13 in/yr (308 mm/yr).

EXTREMES.--Current year: Maximum discharge, 14,300 ft^3/s (405 m^3/s) Feb. 18, gage height, 13.78 ft (4.200 m); minimum daily, 162 ft^3/s (4.59 m^3/s) Sept. 24, 25.
Period of record: Maximum discharge, 32,400 ft^3/s (918 m^3/s) May 19, 1943; maximum gage height, 18.65 ft (5.685 m) Apr. 23, 1964; minimum daily discharge, 49 ft^3/s (1.39 m^3/s) Sept. 17, 1941.
Flood of Mar. 26, 1913, reached a stage of 22.4 ft (6.83 m), from floodmark, determined by State Highway Department of Indiana, discharge, 58,500 ft^3/s (1,660 m^3/s).

REMARKS.--Records good. Flow slightly regulated by Morse Reservoir (See sta 03350300).

REVISIONS (WATER YEARS).--WSP 1335: 1930-31, 1934(m), 1936, 1941, 1943, 1945, 1947-48. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	234	216	2480	2050	1030	1450	917	385	2140	2420	385	215
2	258	216	2130	1670	841	1230	853	395	1980	1810	345	213
3	233	206	1310	1440	764	1280	805	399	1430	1230	264	207
4	210	200	921	1430	658	4000	759	371	937	965	250	204
5	206	213	744	1050	737	8850	708	353	694	770	243	233
6	200	216	681	940	707	8800	684	361	563	607	385	210
7	181	258	672	830	576	5090	664	423	478	547	366	182
8	216	367	656	789	575	3230	637	463	427	562	316	175
9	258	384	612	628	704	2500	586	400	394	525	260	216
10	281	389	566	535	1620	2070	562	362	362	465	239	253
11	258	540	511	555	8270	1820	570	330	332	392	237	254
12	240	519	484	549	11100	1650	561	328	319	3220	242	214
13	223	435	465	615	7860	1560	531	301	302	5330	330	184
14	213	468	482	1240	5010	1380	523	313	280	2750	287	177
15	187	412	1420	1910	3720	1290	519	335	258	1480	292	185
16	178	380	4110	1500	3850	1230	518	350	281	2270	276	190
17	187	363	3760	1060	11400	1180	498	326	567	2110	265	190
18	300	358	2250	839	14200	1090	471	320	510	1340	252	207
19	407	350	1430	707	12400	1060	459	295	407	923	235	197
20	504	354	1070	639	6350	1080	475	275	388	715	227	201
21	459	289	907	577	4460	1580	485	257	388	594	218	222
22	394	262	723	527	5270	1960	483	248	375	528	211	208
23	329	244	634	493	4670	1630	466	240	490	473	204	177
24	296	220	560	503	3290	1320	462	233	1260	431	196	162
25	281	216	539	852	2670	1180	497	239	2130	401	200	162
26	273	220	564	3680	2260	1120	571	245	1860	356	203	169
27	248	237	538	5690	1950	1440	515	229	1130	333	206	180
28	240	220	470	4420	1690	1350	452	235	867	311	204	187
29	251	270	459	2560	1500	1140	413	241	1210	326	203	186
30	262	813	529	1720	---	1070	395	292	2170	397	192	173
31	230	---	1140	1290	---	999	---	755	---	439	194	---
TOTAL	8237	9835	33817	43288	120132	66629	17039	10299	24929	35020	7927	5933
MEAN	266	328	1091	1396	4142	2149	568	332	831	1130	256	198
MAX	504	813	4110	5690	14200	8850	917	755	2170	5330	385	254
MIN	178	200	459	493	575	999	395	229	258	311	192	162
CFSM	.22	.27	.89	1.15	3.40	1.76	.47	.27	.68	.93	.21	.16
IN.	.25	.30	1.03	1.32	3.67	2.03	.52	.31	.76	1.07	.24	.18

CAL YR 1975 TOTAL 469103 MEAN 1285 MAX 14200 MIN 178 CFSM 1.05 IN 14.32
WTR YR 1976 TOTAL 383085 MEAN 1047 MAX 14200 MIN 162 CFSM .86 IN 11.69

PEAK DISCHARGE (BASE, 7,000 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-12	1300	12.20	11,300	03-06	0300	11.40	9,920
02-18	1100	13.78	14,300				

03351310 Crooked Creek at Indianapolis, Ind.

LOCATION.--Lat 39°49'47", long 86°12'22", in NW¼SE¼ sec.16, T.16 N., R.3 E., Marion County, on left bank 150 ft (46 m) downstream from 42nd Street bridge in Indianapolis, and at mile 1.6 (2.6 km).

DRAINAGE AREA.--17.9 mi^2 (46.4 km^2).

PERIOD OF RECORD.--June 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 711.00 ft (216.713 m) above mean sea level (Indiana State Highway Commission bench mark).

AVERAGE DISCHARGE.--7 years, 19.6 ft^3/s (0.555 m^3/s), 14.87 in/yr (378 mm/yr).

EXTREMES.--Current year: Maximum discharge, 646 ft^3/s (18.3 m^3/s) June 30, gage height, 5.24 ft (1.597 m) maximum gage height, 5.79 ft (1.765 m) Mar. 4; minimum daily discharge, 1.0 ft^3/s (0.028 m^3/s) Sept. 23.
Period of record: Maximum discharge, 2,580 ft^3/s (73.1 m^3/s) Feb. 23, 1975, gage height, 7.85 ft (2.393 m); minimum daily, 0.47 ft^3/s (0.013 m^3/s) Dec. 2, 1971.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	4.8	53	58	7.5	11	11	4.2	11	34	4.0	1.8
2	3.5	4.8	24	36	6.7	11	9.7	4.5	5.9	22	2.3	1.8
3	3.0	5.1	16	47	6.4	63	8.7	4.2	4.7	12	1.8	1.7
4	2.8	4.8	13	29	6.8	425	8.1	3.7	3.9	7.6	1.7	1.8
5	2.7	5.1	11	36	47	154	7.5	3.2	3.3	6.0	1.8	1.6
6	2.7	4.8	19	14	29	47	7.2	9.2	2.9	5.7	34	1.6
7	2.7	21	15	12	26	30	6.8	6.7	2.6	5.7	24	1.6
8	2.7	7.2	11	9.5	34	27	6.5	4.0	2.4	4.4	5.3	1.5
9	13	4.8	13	8.4	43	23	6.1	3.4	2.2	3.9	3.3	6.2
10	9.5	20	11	7.9	108	21	6.1	3.2	2.1	3.5	2.7	2.7
11	7.0	7.0	9.4	7.4	82	22	6.1	3.0	2.2	3.2	2.4	1.5
12	4.5	4.9	9.4	7.9	36	23	6.0	2.8	2.1	3.7	6.3	1.2
13	3.5	4.5	11	70	36	20	5.7	3.1	2.2	3.0	30	1.3
14	2.6	4.1	9.4	48	30	14	5.7	5.0	3.7	2.7	33	1.2
15	2.4	3.8	115	24	26	12	5.7	12	2.0	2.7	5.7	1.3
16	2.2	3.5	54	16	83	19	5.7	4.5	3.4	4.0	3.5	1.4
17	5.5	3.5	28	11	102	17	5.7	3.3	2.1	3.1	2.9	1.5
18	10	3.4	18	9.6	65	15	5.4	2.8	2.0	2.2	2.6	1.5
19	5.7	3.3	13	9.0	40	14	5.1	2.5	2.5	2.0	2.5	1.5
20	4.5	5.4	9.9	8.4	28	19	5.7	2.4	2.3	2.0	2.4	2.0
21	4.0	5.2	8.9	7.9	80	33	5.4	2.4	3.2	2.0	2.3	1.3
22	3.7	4.0	7.9	7.4	56	19	5.4	2.4	12	4.1	2.3	1.1
23	3.6	3.6	7.4	11	33	15	4.8	2.3	11	2.3	2.2	1.0
24	3.5	3.5	7.0	12	26	14	5.7	2.3	74	1.9	2.2	1.1
25	3.9	3.5	7.0	152	22	13	12	2.3	26	1.7	2.3	1.2
26	3.7	3.5	7.4	118	19	13	9.4	2.3	6.1	1.8	2.4	1.5
27	3.6	4.0	7.4	33	16	22	5.1	2.3	4.3	7.5	2.2	2.6
28	4.5	4.4	7.0	19	14	16	4.5	3.9	54	3.2	2.1	1.9
29	9.4	39	7.0	13	13	15	4.5	3.5	108	7.4	2.0	1.3
30	5.7	165	62	10	---	20	4.2	20	230	2.8	1.8	1.2
31	5.1	---	72	8.9	---	13	---	13	---	12	1.8	---
TOTAL	145.2	361.5	664.1	861.3	1121.4	1180	195.5	144.4	594.1	180.1	195.8	50.9
MEAN	4.68	12.1	21.4	27.8	38.7	38.1	6.52	4.66	19.8	5.81	6.32	1.70
MAX	13	165	115	152	108	425	12	20	230	34	34	6.2
MIN	2.2	3.3	7.0	7.4	6.4	11	4.2	2.3	2.0	1.7	1.7	1.0
CFSM	.26	.68	1.20	1.55	2.16	2.13	.36	.26	1.11	.32	.35	.09
IN.	.30	.75	1.38	1.79	2.33	2.45	.41	.30	1.23	.37	.41	.11

CAL YR 1975 TOTAL 8556.1 MEAN 23.4 MAX 1110 MIN 2.0 CFSM 1.31 IN 17.78
WTR YR 1976 TOTAL 5694.3 MEAN 15.6 MAX 425 MIN 1.0 CFSM .87 IN 11.83

PEAK DISCHARGE (BASE, 400 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-25	2000	4.99	409	06-30	0215	5.24	646
03-04	1315	5.79	627				

03351400 Sugar Creek near Middletown, Ind.

LOCATION.--Lat 40°02'27", long 85°31'30", in NW¼SE¼ sec.5, T.18 N., R.9 E., Henry County, on right bank 90 ft (27 m) upstream from bridge on County Road 750 North, 1 mile (2 km) southeast of Middletown.

DRAINAGE AREA.--5.80 mi^2 (15.02 km^2).

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 950.00 ft (289.560 m) above mean sea level.

AVERAGE DISCHARGE.--8 years, 6.52 ft^3/s (0.185 m^3/s), 15.27 in/yr (388 mm/yr).

EXTREMES.--Current year: Maximum discharge, 656 ft^3/s (18.6 m^3/s) July 11, gage height, 6.40 ft (1.951 m); minimum daily, 0.05 ft^3/s (0.001 m^3/s) Sept. 23.
Period of record: Maximum discharge, 1,100 ft^3/s (31.2 m^3/s) April 28, 1975, gage height, 7.72 ft (2.353 m); minimum daily, 0.02 ft^3/s (0.001 m^3/s) Aug. 30 to Sept. 2, 1972.

REMARKS.--Records good below 200 ft^3/s, fair above.

REVISIONS.--WDR IN -75-1: 1969-74.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.12	.18	1.4	6.2	2.2	2.6	1.7	.46	16	11	.15	.10
2	.12	.17	.59	5.1	1.8	2.4	1.5	.50	7.4	23	.13	.10
3	.12	.16	.42	8.8	1.5	7.1	1.4	.42	3.8	18	.12	.09
4	.14	.14	.39	4.8	1.3	44	1.4	.37	1.9	6.3	.11	.09
5	.16	.13	.35	2.5	1.2	28	1.1	.36	1.2	3.0	.11	.08
6	.16	.13	.36	1.7	3.7	15	1.2	.68	1.1	1.8	.20	.08
7	.14	.27	.34	1.3	3.0	9.8	1.0	2.3	.94	1.5	.26	.07
8	.21	.21	.32	1.1	2.6	6.6	.87	.86	.78	1.0	.16	.07
9	.21	.16	.32	1.0	13	5.3	.81	.63	.61	.69	.14	.10
10	.18	.30	.31	.90	122	4.5	.84	.59	.58	.53	.14	.10
11	.16	.27	.28	.84	44	3.9	.99	.52	.49	45	.13	.09
12	.17	.22	.27	.80	19	4.6	.67	.42	.40	97	.33	.08
13	.16	.20	.32	24	16	3.6	.74	.40	.34	12	.86	.06
14	.16	.19	.35	21	11	3.0	.85	.52	.32	5.3	.28	.06
15	.16	.18	14	7.4	11	2.7	.88	.49	.28	2.7	.22	.07
16	.15	.16	7.0	4.9	37	3.2	.75	.50	.32	1.7	.18	.07
17	.22	.16	3.4	3.1	34	2.4	.59	.43	.31	1.0	.15	.07
18	.49	.14	1.8	2.1	26	2.8	.39	.38	.25	.72	.14	.08
19	.46	.14	1.3	1.6	16	3.3	.56	.34	.36	.49	.12	.06
20	.38	.17	1.2	1.4	10	4.2	.64	.32	.31	.41	.12	.09
21	.31	.16	.84	1.2	19	14	.66	.29	.26	.40	.11	.09
22	.26	.15	.71	1.1	15	6.3	.57	.28	.29	.37	.10	.09
23	.23	.14	.64	1.0	9.0	5.0	.46	.27	.47	.35	.10	.05
24	.22	.13	.57	1.0	7.1	4.4	.59	.27	2.7	.28	.10	.06
25	.20	.13	.58	98	5.8	3.5	1.3	.27	2.1	.23	.13	.07
26	.19	.13	.74	90	4.8	3.1	.82	.26	.80	.22	.15	.08
27	.19	.16	.58	19	3.9	3.0	.45	.23	.45	.20	.14	.08
28	.20	.14	.56	12	3.5	2.1	.42	.23	.56	.20	.13	.06
29	.21	.26	.54	6.1	3.2	2.2	.42	.28	13	.22	.12	.06
30	.18	1.5	8.8	4.3	---	2.1	.41	79	48	.20	.11	.06
31	.17	---	11	3.0	---	1.7	---	46	---	.18	.10	---
TOTAL	6.43	6.58	60.28	337.24	447.6	206.4	24.98	138.87	106.32	235.99	5.34	2.31
MEAN	.21	.22	1.94	10.9	15.4	6.66	.83	4.48	3.54	7.61	.17	.077
MAX	.49	1.5	14	98	122	44	1.7	79	48	97	.86	.10
MIN	.12	.13	.27	.80	1.2	1.7	.39	.23	.25	.18	.10	.05
CFSM	.04	.04	.33	1.88	2.66	1.15	.14	.77	.61	1.31	.03	.01
IN.	.04	.04	.39	2.16	2.87	1.32	.16	.89	.68	1.51	.03	.01

CAL YR 1975 TOTAL 3317.26 MEAN 9.09 MAX 443 MIN .03 CFSM 1.57 IN 21.27
WTR YR 1976 TOTAL 1578.34 MEAN 4.31 MAX 122 MIN .05 CFSM .74 IN 10.12

PEAK DISCHARGE (BASE, 120 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-25	2215	5.53	395	06-29	2300	4.95	154
02-10	1545	5.38	339	07-11	2330	6.40	656
05-30	2100	6.21	642				

03351500 Fall Creek near Fortville, Ind.

LOCATION.--Lat 39°57'15", long 85°52'05", in NW¼NE¼ sec.5, T.17 N., R.6 E., Hamilton County, on right bank 100 ft (30 m) downstream from bridge on State Highway 238, 0.2 mile (0.3 km) downstream from Lick Creek, 2 miles (3 km) northwest of Fortville, and at mile 26.1 (42.0 km).

DRAINAGE AREA.--169 mi^2 (437 km^2).

PERIOD OF RECORD.--July 1941 to current year.

GAGE.--Water-stage recorder. Datum of gage is 787.43 ft (240.009 m) above mean sea level (levels by Indianapolis Water Co.). Prior to June 27, 1942, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--35 years, 165 ft^3/s (4.673 m^3/s), 13.27 in/yr (337 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,850 ft^3/s (52.4 m^3/s) July 13, gage height, 6.63 ft (2.021 m); minimum daily, 28 ft^3/s (0.79 m^3/s) Sept. 14, 15, 24, 25.
Period of record: Maximum discharge, 8,750 ft^3/s (248 m^3/s) Apr. 21, 1964, gage height, 9.88 ft (3.011 m); minimum daily, 5.0 ft^3/s (0.14 m^3/s) Sept. 23, 24, 1941.
Maximum stage known, about 12 ft (3.7 m) March 1913 (information by local resident).

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1435: 1949 (P). WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	39	185	294	128	145	120	67	870	474	49	33
2	34	39	123	218	112	145	115	71	571	202	44	33
3	32	39	96	256	97	150	108	69	245	375	40	33
4	32	39	83	210	88	512	108	66	205	229	41	32
5	31	38	76	165	82	1070	103	60	160	152	39	31
6	30	38	72	130	225	685	100	63	130	119	48	30
7	30	63	69	110	208	421	97	94	109	137	55	29
8	33	77	64	98	195	317	92	80	99	111	45	29
9	41	60	66	94	223	264	91	70	90	91	40	31
10	39	83	63	90	740	226	89	65	82	79	38	35
11	35	89	60	87	1630	213	87	61	78	74	37	34
12	33	69	60	84	778	203	84	57	73	1050	40	31
13	32	59	62	105	499	206	84	56	67	1250	78	29
14	31	54	63	407	423	178	87	60	64	384	71	28
15	32	50	293	251	336	164	86	62	61	243	65	28
16	32	49	429	181	490	164	83	61	60	191	55	30
17	34	47	242	154	1190	160	78	59	59	152	50	31
18	60	45	164	130	1030	151	75	58	55	124	45	30
19	94	44	140	110	687	153	75	54	62	105	43	29
20	80	46	113	100	455	155	75	51	59	93	42	32
21	63	51	98	94	451	303	78	50	56	84	40	32
22	53	49	85	88	500	258	78	48	57	79	39	31
23	48	45	82	82	345	201	74	48	59	75	38	29
24	45	43	77	86	300	176	73	47	84	67	38	28
25	44	43	74	278	265	162	81	48	98	62	38	28
26	43	43	81	1470	235	152	86	48	79	57	40	29
27	42	47	74	822	210	158	75	46	64	55	37	35
28	41	45	70	450	190	147	70	46	62	54	36	37
29	41	55	69	300	170	139	68	50	83	60	34	35
30	42	134	125	200	---	139	68	98	603	56	33	34
31	41	---	323	148	---	128	---	826	---	54	33	---
TOTAL	1301	1622	3681	7292	12282	7645	2588	2639	4444	6338	1371	936
MEAN	42.0	54.1	119	235	424	247	86.3	85.1	148	204	44.2	31.2
MAX	94	134	429	1470	1630	1070	120	826	870	1250	78	37
MIN	30	38	60	82	82	128	68	46	55	54	33	28
CFSM	.25	.32	.70	1.39	2.51	1.46	.51	.50	.88	1.21	.26	.18
IN.	.29	.36	.81	1.61	2.70	1.68	.57	.58	.98	1.40	.30	.21

CAL YR 1975 TOTAL 72783 MEAN 199 MAX 3720 MIN 29 CFSM 1.18 IN 16.02
WTR YR 1976 TOTAL 52139 MEAN 142 MAX 1630 MIN 28 CFSM .84 IN 11.48

PEAK DISCHARGE (BASE, 1,300 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-26	1900	6.26	1,590	07-13	0300	6.63	1,850
02-11	1600	6.57	1,810				

03351700 Geist Reservoir near Oaklandon, Ind.

LOCATION.--Lat 39°54'26", long 85°59'07", in SW¼NE¼ sec.20, T.17 N., R.5 E., Marion County, in intake structure of reservoir on Fall Creek, 2.6 miles (4.2 km) northwest of Oaklandon, 17.6 miles (28.3 km) above mouth.

DRAINAGE AREA.--215 mi^2 (556 km^2).

PERIOD OF RECORD.--January 1943 to current year.

GAGE.--Water-stage recorder. Datum of gage is 755.00 ft (230.124 m) above mean sea level.

EXTREMES.--Current year: Maximum contents, 23,160 acre-ft (28.6 hm^3) Feb. 11, elevation, 786.01 ft (239.576 m); minimum, 18,790 acre-ft (23.2 hm^3) Nov.6, elevation, 783.65 ft (238.857 m).
Period of record: Maximum contents, 27,360 acre-ft (33.7 hm^3) May 18, 1943, elevation, 788.02 ft (240.188 m); minimum, 11,230 acre-ft (13.8 hm^3) Jan. 5, 1964, elevation, 778.42 ft (237.262 m).

REMARKS.--Reservoir is formed by earth-fill dam. Releases normally controlled by a 36-inch (914 mm) valve. Minimum design capacity is essentially empty at invert on outlet conduit at elevation of 756.75 ft (230.657 m). Capacity at uncontrolled spillway elevation, 785 ft (239.3 m) is 21,180 acre-ft (26.1 hm^3). Reservoir is used for low-flow augmentation of the water supply for Indianapolis and recreation. Reservoir filled for first time on Mar. 17, 1943.

COOPERATION.--Records furnished by Indianapolis Water Company.

Month-end elevation and contents, water year October 1975 to September 1976

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	784.00	19,400	-
Oct. 31	783.75	18,960	-440
Nov. 30	784.12	19,610	+650
Dec. 31	785.37	21,880	+2,270
Calendar year 1975	-	-	+150
Jan. 31	785.33	21,800	-80
Feb. 29	785.36	21,860	+60
Mar. 31	785.33	21,800	-60
Apr. 30	785.19	21,540	-260
May 31	785.70	22,530	+990
June 30	785.56	22,250	-280
July 31	785.24	21,630	-620
Aug. 31	784.77	20,770	-860
Sept. 30	783.73	18,930	-1,840
Water year 1976	-	-	-470

Diversion for municipal supply for city of Indianapolis

Water supply for the city of Indianapolis is from both White River and Fall Creek. Water from White River is diverted below White River near Nora (03351000) into Indianapolis Water Canal at Westfield Boulevard. Water from Fall Creek is diverted below Fall Creek at Millersville (03352500) at pumping station at Keystone Avenue. The return flow of the diversion is made below White River at Indianapolis (03353000). Major return flow is made at mouth of Eagle Creek and minor return flow is made at Southport Road.

Diversion, monthly and yearly means in ft^3/s

Oct.	Nov.	Dec.	1975 Cal. year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	1976 Water year
145	144	133	147	141	143	144	142	148	160	157	157	151	147

03352200 Mud Creek at Indianapolis, Ind.

LOCATION.--Lat 39°53'30", long 86°00'57", in SE¼NE¼ sec.25, T.17 N., R.4 E., Marion County, on left bank at downstream side of Lantern Road bridge at Indianapolis, 0.2 mile (0.3 km) northeast of intersection of 75th Street and Sargent Road, 1.5 miles (2.4 km) upstream from mouth, and 2.0 miles (3.2 km) southeast of Castleton.

DRAINAGE AREA.--42.4 mi^2 (109.8 km^2).

PERIOD OF RECORD.--May 1958 to September 1976 (discontinued as a continuous-record station; converted to a crest-stage and low-flow parital-record station).

GAGE.--Water-stage recorder. Datum of gage is 752.99 ft (229.511 m) above mean sea level (levels by State of Indiana, Department of Natural Resources).

AVERAGE DISCHARGE.--18 years, 37.2 ft^3/s (1.054 m^3/s), 11.92 in/yr (303 mm/yr).

EXTREMES.--Current year: Maximum discharge, 553 ft^3/s (15.7 m^3/s) Mar. 5, gage height, 6.38 ft (1.945 m); minimum daily, 1.9 ft^3/s (0.054 m^3/s) Oct. 6, 7.
Period of record: Maximum discharge, 2,010 ft^3/s (56.9 m^3/s) Apr. 21, 1964, gage height, 8.37 ft (2.551 m); minimum daily, 0.2 ft^3/s (0.006 m^3/s) several days in September 1963, 1966.

REMARKS.--Records good.

REVISIONS.--WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	3.5	106	93	41	42	36	12	123	70	7.4	4.3
2	3.2	3.5	62	67	37	38	31	12	132	43	6.3	4.3
3	2.3	3.4	40	86	30	41	28	11	58	37	4.7	4.3
4	2.1	3.4	30	68	33	369	27	10	46	33	4.5	4.3
5	2.0	3.4	24	44	40	505	25	9.9	32	26	4.5	4.0
6	1.9	3.2	21	31	60	286	24	11	25	23	21	3.8
7	1.9	6.2	19	26	52	145	23	13	22	35	11	3.8
8	3.2	8.0	18	21	46	106	22	12	25	35	6.7	3.8
9	3.7	6.7	17	18	68	87	21	12	23	25	5.7	5.9
10	3.2	23	15	16	242	72	20	12	22	21	5.1	5.9
11	2.7	23	14	15	397	64	20	11	20	19	5.1	4.7
12	2.3	14	13	14	193	61	19	11	19	159	9.9	4.0
13	2.1	11	13	33	134	57	18	11	18	80	26	3.7
14	2.0	8.4	13	94	112	47	18	11	16	44	12	3.4
15	2.1	7.5	124	50	95	44	18	11	15	30	8.3	3.2
16	2.1	6.9	100	36	137	43	17	11	15	23	6.9	3.1
17	2.3	6.3	64	28	302	42	16	11	15	19	5.9	3.0
18	6.4	5.8	47	23	357	39	16	9.7	14	16	5.5	2.9
19	13	6.3	69	18	195	38	15	9.0	14	14	5.3	2.7
20	9.9	6.6	27	16	129	39	15	8.6	13	12	5.1	3.1
21	6.9	6.1	20	15	148	59	15	8.2	13	11	4.9	2.9
22	5.3	5.5	17	14	166	47	15	8.0	14	10	4.7	2.5
23	4.5	5.1	14	14	116	41	14	7.7	14	9.3	4.7	2.3
24	4.0	5.1	12	19	93	38	13	7.7	51	8.6	4.5	2.1
25	4.0	5.1	12	127	80	35	15	7.5	46	8.0	4.7	2.0
26	3.7	5.0	13	393	69	34	15	7.4	30	7.5	4.9	2.2
27	3.5	5.7	11	168	58	53	13	7.2	23	7.8	4.7	2.7
28	3.5	5.3	9.3	101	51	48	12	7.3	21	7.0	4.5	2.4
29	3.8	12	9.1	76	47	41	11	7.7	41	8.2	4.3	2.2
30	3.4	98	38	63	---	46	11	20	137	7.0	4.2	2.2
31	3.5	---	96	51	---	40	---	109	---	9.3	4.2	---
TOTAL	117.2	313.0	1087.4	1838	3528	2647	563	416.9	1057	857.7	217.2	101.7
MEAN	3.78	10.4	35.1	59.3	122	85.4	18.8	13.4	35.2	27.7	7.01	3.39
MAX	13	98	124	393	397	505	36	109	137	159	26	5.9
MIN	1.9	3.2	9.1	14	30	34	11	7.2	13	7.0	4.2	2.0
CFSM	.09	.25	.83	1.40	2.88	2.01	.44	.32	.83	.65	.17	.08
IN.	.10	.27	.95	1.61	3.10	2.32	.49	.37	.93	.75	.19	.09

CAL YR 1975 TOTAL 15188.3 MEAN 41.6 MAX 782 MIN 1.4 CFSM .98 IN 13.33
WTR YR 1976 TOTAL 12744.1 MEAN 34.8 MAX 505 MIN 1.9 CFSM .82 IN 11.18

PEAK DISCHARGE (BASE, 450 FT^3/S).--Mar. 5 (0600) 553 ft^3/s (6.38 ft).

03352500 Fall Creek at Millersville, Ind.

LOCATION.--Lat 39°51'07", long 86°05'15", in NE¼NE¼ sec.9, T.16 N., R.4 E., Marion County, on right bank at downstream side of Emerson Way bridge at Millersville, and 9.2 miles (14.8 km) upstream from mouth.

DRAINAGE AREA.--298 mi^2 (772 km^2).

PERIOD OF RECORD.--October 1929 to current year. Monthly discharges only for some periods, published in WSP 1305. Twice-daily chain gage readings at former site and datum from July 1925 to September 1926 are available in the district office.

GAGE.--Water-stage recorder. Datum of gage is 722.16 ft (220.114 m) above mean sea level. Prior to Oct. 21, 1961, water-stage recorder at site 500 ft (152 m) downstream at same datum.

AVERAGE DISCHARGE.--47 years, 279 ft^3/s (7.901 m^3/s), 12.72 in/yr (323 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,370 ft^3/s (67.1 m^3/s) Mar. 5, gage height, 7.40 ft (2.256 m); minimum daily, 51 ft^3/s (1.44 m^3/s) Nov.26.
Period of record: Maximum discharge, 12,900 ft^3/s (365 m^3/s) May 28, 1956, gage height, 13.53 ft (4.124 m); minimum daily, 7.8 ft^3/s (0.22 m^3/s) Sept. 28, 1941.
Maximum stage known, 16.3 ft (4.97 m) Mar. 26, 1913, from floodmarks, discharge, 22,000 ft^3/s (623 m^3/s) by slope-area measurement.

REMARKS.--Records good. Flow regulated by Geist Reservoir (See sta 03351700).

REVISIONS (WATER YEARS).--WSP 1335: 1930-31, 1933, 1936-38, 1942-43. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	59	287	810	260	306	224	94	1080	1050	90	74
2	61	61	143	613	215	278	211	92	1110	630	67	74
3	61	67	104	618	180	295	195	88	672	532	64	71
4	60	63	85	537	160	1300	195	90	400	497	66	71
5	60	63	74	380	304	2240	179	80	270	345	70	69
6	60	63	86	310	525	1720	164	98	209	239	343	67
7	56	106	104	260	358	1010	161	196	174	219	243	67
8	88	100	67	210	327	733	157	158	151	213	121	67
9	75	86	72	170	457	569	135	124	127	165	85	88
10	65	161	72	150	935	472	123	112	109	123	70	74
11	60	110	81	145	2050	440	158	102	96	105	78	63
12	57	85	94	140	1830	394	120	95	90	903	149	59
13	58	75	106	266	1050	382	115	88	80	1540	570	58
14	59	69	108	617	838	353	118	110	67	979	353	64
15	60	71	680	565	676	329	123	122	80	551	250	63
16	60	69	960	427	799	330	123	117	69	390	149	63
17	65	82	696	314	1670	301	122	127	67	280	106	64
18	122	81	455	234	1990	281	113	118	63	216	87	63
19	122	81	319	200	1460	263	112	76	69	168	83	61
20	90	88	266	175	996	294	119	74	76	135	81	69
21	74	68	241	162	941	500	112	79	68	120	76	65
22	68	62	170	153	1070	503	105	82	80	122	74	65
23	64	59	155	151	845	400	115	72	85	109	82	63
24	63	59	142	165	644	330	107	75	198	104	79	63
25	65	52	138	470	539	309	136	61	177	92	77	63
26	61	51	190	1910	465	290	164	62	134	76	77	67
27	61	57	164	1710	401	338	122	60	103	89	76	73
28	60	54	139	893	361	324	103	62	182	92	75	65
29	68	96	136	573	319	281	98	65	330	93	73	63
30	64	348	327	428	---	282	94	99	1410	87	72	63
31	60	---	682	320	---	260	---	683	---	89	71	---
TOTAL	2110	2546	7343	14076	22665	16107	4123	3561	7826	10353	3957	1999
MEAN	68.1	84.9	237	454	782	520	137	115	261	334	128	66.6
MAX	122	348	960	1910	2050	2240	224	683	1410	1540	570	88
MIN	56	51	67	140	160	260	94	60	63	76	64	58
CFSM	.23	.28	.80	1.52	2.62	1.74	.46	.39	.88	1.12	.43	.22
IN.	.26	.32	.92	1.76	2.83	2.01	.51	.44	.98	1.29	.49	.25

CAL YR 1975 TOTAL 131360 MEAN 360 MAX 5630 MIN 51 CFSM 1.21 IN 16.40
WTR YR 1976 TOTAL 96666 MEAN 264 MAX 2240 MIN 51 CFSM .89 IN 12.07

03353000 White River at Indianapolis, Ind.

LOCATION.--Lat 39°45'05", long 86°10'30", in NW¼NW¼ sec.14, T.15 N., R.3 E., Marion County, on downstream side of second pier from right bank of Morris Street bridge in Indianapolis, 2.6 miles (4.2 km) downstream from Fall Creek, and at mile 230.3 (370.6 km).

DRAINAGE AREA.--1,635 mi^2 (4,235 km^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 miles (1.8 km) upstream Feb. 8, 1911, to Mar. 25, 1913, and at site 2.3 miles (3.7 km) upstream since Oct. 16, 1913. Prior to October 1948, published as West Fork White River at Indianapolis.

GAGE.--Water-stage recorder. Datum of gage is 662.26 ft (201.857 m) above mean sea level. March 1904 to July 1906, nonrecording gage at railroad bridge 0.8 mile (1.3 km) upstream at datum approximately 2.9 ft (0.88 m) higher. April 1930 to July 20, 1931, nonrecording gage at Indianapolis sanitation plant, 2.5 miles (4.0 km) downstream at datum 660.00 ft (201.168 m) lower. July 21, 1931, to Mar. 2, 1932, nonrecording gage at present site at datum 660.00 ft (201.168 m) lower.

AVERAGE DISCHARGE.--47 years (1904-5, 1930 to current year), 1,386 ft^3/s (39.25 m^3/s), 11.51 in/yr (292 mm/yr).

EXTREMES.--Current year: Maximum discharge, 19,400 ft^3/s (453 m^3/s) Feb. 17, gage height, 13.50 ft (4.115 m); minimum daily, 78 ft^3/s (2.21 m^3/s) Sept. 25.

Period of record: Maximum discharge, 37,200 ft^3/s (1,050 m^3/s) May 18, 1943; maximum gage height, 21.57 ft (6.575 m) Jan. 16, 1937; minimum daily discharge, 8.0 ft^3/s (0.23 m^3/s) Sept. 29, 1941.

Flood of Mar. 26, 1913, reached a stage of 30.0 ft (9.14 m), from floodmarks determined by Indianapolis Water Co., discharge, 70,000 ft^3/s (1,980 m^3/s).

REMARKS.--Records good. Natural flow affected by regulation of Morse Reservoir (See sta 03350300) and Geist Reservoir (See sta 03351700), and by diversion of municipal water supply (See sta 03351700) by the Indianapolis Water Co.

REVISIONS (WATER YEARS).--WSP 1335: 1932-33, 1937, 1939-41. WSP 1505: 1938. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	229	206	2240	2910	1470	1580	1100	391	2460	3210	369	140
2	201	195	2310	2520	1250	1410	1000	407	2900	2780	301	150
3	199	193	1460	2270	972	1400	943	382	2100	1860	236	151
4	175	188	973	2000	892	5140	853	370	1350	1450	200	142
5	154	184	716	1570	1670	10400	827	341	913	1140	193	131
6	151	194	688	1250	1630	10800	756	511	679	855	1320	164
7	139	519	636	1210	1110	6800	721	613	550	679	783	151
8	336	309	605	1140	1070	4260	681	521	456	693	424	132
9	318	338	593	767	1320	3190	641	458	412	664	333	358
10	246	695	531	643	2350	2640	585	407	371	534	227	214
11	220	476	465	740	8720	2320	584	354	327	452	205	163
12	195	502	430	708	11700	2130	613	333	288	1990	618	145
13	185	394	491	1250	9640	1950	546	348	271	5960	1430	127
14	165	371	431	1830	6050	1760	533	454	258	4110	1130	107
15	168	366	2510	2520	4750	1600	546	467	232	2020	553	99
16	158	330	3460	2230	4530	1580	539	411	259	1960	398	101
17	163	329	4400	1690	12100	1490	528	402	359	2240	318	111
18	517	325	2990	1090	15800	1370	502	355	493	1540	259	103
19	494	316	1940	858	14300	1270	476	336	426	1010	233	109
20	446	406	1420	818	8600	1570	495	286	359	724	224	145
21	425	339	1180	730	5660	2140	516	261	350	587	196	119
22	366	238	944	693	6150	2450	498	248	443	990	190	121
23	311	228	777	646	5840	2140	485	239	504	487	205	103
24	283	219	684	705	4380	1680	507	222	1350	398	178	83
25	276	215	665	1910	3420	1450	627	214	1960	370	151	78
26	252	203	753	5270	2820	1400	628	223	1940	339	149	109
27	243	239	758	6830	2360	1740	544	218	1260	401	151	160
28	220	243	609	5600	2000	1700	480	248	1410	345	141	99
29	300	506	597	3460	1770	1460	430	275	1730	395	139	93
30	246	1610	1360	2380	---	1400	398	393	4310	304	140	105
31	223	---	2090	1790	---	1220	---	1110	---	472	133	---
TOTAL	8004	10876	39706	60028	144324	83480	18582	11798	30720	40959	11527	4013
MEAN	258	363	1281	1936	4977	2693	619	381	1024	1321	372	134
MAX	517	1610	4400	6830	15800	10800	1100	1110	4310	5960	1430	358
MIN	139	184	430	643	892	1220	398	214	232	304	133	78
CFSM	.16	.22	.78	1.18	3.04	1.65	.38	.23	.63	.81	.23	.08
IN.	.18	.25	.90	1.37	3.28	1.90	.42	.27	.70	.93	.26	.09

CAL YR 1975 TOTAL 606305 MEAN 1661 MAX 18600 MIN 139 CFSM 1.02 IN 13.79
WTR YR 1976 TOTAL 464017 MEAN 1268 MAX 15800 MIN 78 CFSM .78 IN 10.56

PEAK DISCHARGE (BASE, 8,500 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-12	1400	11.86	12,100	03-06	0300	11.61	11,600
02-17	2300	13.50	16,000				

03353120 Pleasant Run at Arlington Avenue at Indianapolis, Ind.

LOCATION.--Lat 39°46'33", long 86°03'50", in SW¼NW¼ sec.2, T.15 N., R.4 E., Marion County, on right bank 46 ft (14 m) upstream from Arlington Avenue bridge in Indianapolis, 0.5 mile (0.8 km) downstream from small left-bank tributary, and at mile 7.9 (12.7 km).

DRAINAGE AREA.--7.58 mi^2 (19.63 km^2).

PERIOD OF RECORD.--December 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is 780.00 ft (237.744 m) above mean sea level (levels by State of Indiana, Department of Natural Resources).

AVERAGE DISCHARGE.--16 years (1960 to current year), 7.40 ft^3/s (0.210 m^3/s), 13.25 in/yr (337 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,310 ft^3/s (37.1 m^3/s) July 2, gage height, 9.17 ft (2.795 m); minimum daily, 0.45 ft^3/s (0.013 m^3/s) Oct. 16.
Period of record: Maximum discharge, 1,610 ft^3/s (45.6 m^3/s) Mar. 4, 1963, gage height, 10.32 ft (3.146 m); no flow at times in 1960-1962.
Flood in May 1956 reached a stage of 16.0 ft (4.88 m), from information by local resident.

REMARKS.--Records good.

REVISIONS.--WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	.92	10	20	2.0	2.2	3.1	2.4	12	2.6	.86	.68
2	1.2	.79	5.1	17	1.6	2.1	2.7	1.7	1.4	165	.54	.59
3	1.1	.79	4.5	16	1.4	4.7	2.3	1.0	1.2	15	.56	.54
4	1.1	.76	2.7	6.0	1.3	56	1.9	.83	.57	2.6	.51	.51
5	1.0	.71	2.3	3.2	66	32	1.8	2.0	.50	.87	1.5	.46
6	1.0	1.2	6.4	2.4	14	8.6	3.0	32	.47	.60	54	.52
7	1.2	33	2.8	2.0	7.0	5.2	1.6	9.1	.46	.92	4.1	.48
8	27	2.4	2.4	1.8	14	3.8	1.4	2.2	.52	2.6	.90	.54
9	6.0	5.6	5.6	1.6	13	3.2	1.5	1.6	.53	.46	.57	14
10	1.8	30	4.0	1.5	16	6.8	1.2	1.4	.59	1.1	.51	2.0
11	1.0	3.1	2.2	1.4	9.5	5.4	1.5	1.2	.60	2.2	1.4	.71
12	.67	3.3	6.2	1.4	4.7	7.4	1.1	1.3	.57	50	46	.56
13	.57	1.6	7.0	74	5.1	4.0	1.2	6.1	.51	3.5	27	.57
14	.57	1.2	3.3	15	3.7	2.8	1.9	8.7	.53	3.3	39	.59
15	.65	1.0	134	6.9	3.6	2.7	1.1	4.7	.63	4.4	7.9	.67
16	.45	1.0	13	4.0	23	9.3	1.3	4.1	1.4	2.9	2.4	.81
17	2.2	.88	8.1	2.7	30	4.4	1.0	4.0	.67	1.5	1.3	.73
18	41	.88	3.9	2.0	25	3.4	.75	1.7	7.4	1.1	.73	.65
19	16	.88	2.9	1.7	8.5	3.2	.73	1.2	6.2	.67	1.7	1.1
20	3.3	8.1	2.2	1.5	5.6	30	1.6	2.2	.77	1.4	.63	2.9
21	1.2	2.0	1.7	1.4	33	19	1.5	1.1	1.6	.89	.57	1.7
22	2.0	1.1	1.4	1.3	12	6.0	1.0	.96	7.2	42	.55	1.5
23	.84	.88	1.6	1.2	5.9	4.6	.80	.98	6.3	1.6	.56	.68
24	.61	.88	1.7	9.5	4.5	3.5	3.7	.95	30	.63	.51	.63
25	2.2	1.6	2.1	130	3.5	2.8	15	.97	4.3	.52	.56	.61
26	.71	2.6	6.3	24	3.1	13	3.0	.99	1.2	.49	1.7	5.5
27	.57	3.1	5.6	8.0	2.6	18	1.3	.86	.62	3.7	.55	10
28	.58	4.6	4.2	4.1	2.4	5.7	1.1	4.6	54	3.1	.53	1.4
29	9.4	32	9.2	2.8	2.3	8.1	.99	1.9	106	8.3	.52	.95
30	1.2	87	82	2.2	---	6.4	1.7	24	44	.72	.54	4.2
31	.87	---	59	1.9	---	3.6	---	6.7	---	6.6	.53	---
TOTAL	130.19	233.87	403.4	368.5	324.3	287.9	62.77	133.44	292.74	331.27	199.23	56.78
MEAN	4.20	7.80	13.0	11.9	11.2	9.29	2.09	4.30	9.76	10.7	6.43	1.89
MAX	41	87	134	130	66	56	15	32	106	165	54	14
MIN	.45	.71	1.4	1.2	1.3	2.1	.73	.83	.46	.46	.51	.46
CFSM	.55	1.03	1.72	1.57	1.48	1.23	.28	.57	1.29	1.41	.85	.25
IN.	.64	1.15	1.98	1.81	1.59	1.41	.31	.65	1.44	1.63	.98	.28

CAL YR 1975 TOTAL 3647.12 MEAN 9.99 MAX 220 MIN .45 CFSM 1.32 IN 17.90
WTR YR 1976 TOTAL 2824.39 MEAN 7.72 MAX 165 MIN .45 CFSM 1.02 IN 13.86

PEAK DISCHARGE (BASE, 450 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
06-29	2215	7.44	860	07-12	0100	5.83	453
07-02	1600	9.17	1,310				

03353160 Pleasant Run at Brookville Road at Indianapolis, Ind.

LOCATION.--Lat 39°45'52", long 86°05'43", in NE¼NW¼ sec.9, T.15 N., R.4 E., Marion County, on right bank at downstream side of Brookville Road bridge in Indianapolis, 2.2 miles (3.5 km) downstream from Arlington Avenue, and at mile 5.7 (9.2 km).

DRAINAGE AREA.--10.1 mi^2 (26.2 km^2).

PERIOD OF RECORD.--November 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is 752.00 ft (229.210 m) above mean sea level (levels by State of Indiana, Department of Natural Resources).

AVERAGE DISCHARGE.--16 years (1960 to current year), 9.84 ft^3/s (0.279 m^3/s), 13.23 in/yr (336 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,230 ft^3/s (34.8 m^3/s) Jul. 2, gage height, 7.24 ft (2.207 m); minimum daily, 0.32 ft^3/s (0.009 m^3/s) Sept. 13.
Period of record: Maximum discharge, 2,010 ft^3/s (56.9 m^3/s) Mar. 4, 1963, gage height, 9.22 ft (2.810 m); no flow at times in 1960-68.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1909: 1960. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	1.2	15	18	3.0	2.2	3.8	1.6	13	7.9	1.3	.45
2	1.4	1.1	6.0	17	2.5	2.2	3.1	1.9	2.6	191	.51	.66
3	1.0	1.0	4.8	16	2.0	5.5	2.9	.92	2.1	25	.43	.44
4	1.4	1.0	2.7	5.7	1.7	63	2.7	.62	.97	8.0	.43	.43
5	1.8	.98	2.1	3.5	80	36	2.3	1.4	.65	4.7	1.1	.39
6	1.4	1.6	6.4	2.8	15	11	3.1	40	.60	4.0	99	.46
7	1.2	42	4.6	2.5	8.0	7.7	2.2	9.6	.53	3.4	6.7	.34
8	31	7.2	3.0	2.2	15	4.9	2.0	1.9	.64	6.6	1.9	.46
9	11	10	6.8	2.0	14	3.7	2.0	1.1	.86	1.2	.78	14
10	3.1	41	5.7	1.9	17	6.2	2.0	.84	1.3	.79	.63	2.0
11	1.9	4.7	3.2	1.8	12	6.6	2.5	.62	1.4	2.7	1.5	.79
12	1.7	3.8	7.1	1.7	5.9	7.3	2.0	.58	1.6	47	66	.34
13	1.2	1.6	8.9	80	6.0	4.5	1.6	4.7	1.5	3.1	31	.32
14	1.0	1.0	4.6	12	4.8	2.9	2.3	7.9	1.4	2.7	33	.37
15	2.6	.92	169	7.0	4.1	2.3	1.5	4.6	1.7	2.2	7.8	.44
16	.70	.93	16	5.0	25	7.8	1.6	2.3	3.1	2.2	2.6	.63
17	14	.72	9.0	3.4	35	4.4	1.5	4.2	1.5	.80	1.6	.76
18	53	.81	4.4	2.7	30	3.2	.92	1.5	7.4	.51	1.1	.49
19	7.9	.75	3.3	2.3	10	2.9	.92	.81	7.0	.36	1.2	.72
20	3.5	9.2	2.2	2.1	5.6	34	2.0	1.4	1.0	.92	.96	2.4
21	1.7	3.1	1.7	1.9	35	21	2.0	.92	1.6	.92	.64	1.2
22	2.7	1.1	1.4	1.8	13	7.6	1.3	.68	7.2	71	.51	1.3
23	1.1	.76	1.6	1.7	6.5	6.6	.92	.67	5.7	2.9	.51	.67
24	.81	.73	1.8	20	4.9	4.6	2.2	.74	29	1.2	.50	.48
25	2.7	1.8	2.1	155	4.0	3.4	13	.91	5.7	.70	.45	.48
26	.86	2.9	6.7	28	3.4	16	4.1	.95	1.8	.51	1.3	4.4
27	.77	3.8	6.2	9.5	2.8	19	1.3	1.0	.94	4.4	.64	7.7
28	.78	5.5	5.2	6.2	2.5	6.6	1.1	3.7	67	2.9	.48	1.6
29	18	33	13	4.1	2.4	8.2	.92	2.4	137	7.6	.35	.97
30	1.6	113	105	3.2	---	7.2	1.2	23	64	1.3	.38	3.6
31	1.2	---	70	2.8	---	4.1	---	9.1	---	6.8	.40	---
TOTAL	175.22	297.20	499.5	423.8	371.1	322.6	70.98	132.56	370.79	415.31	265.70	49.29
MEAN	5.65	9.91	16.1	13.7	12.8	10.4	2.37	4.28	12.4	13.4	8.57	1.64
MAX	53	113	169	155	80	63	13	40	137	191	99	14
MIN	.70	.72	1.4	1.7	1.7	2.2	.92	.58	.53	.36	.35	.32
CFSM	.56	.98	1.59	1.36	1.27	1.03	.23	.42	1.23	1.33	.85	.16
IN.	.65	1.09	1.84	1.56	1.37	1.19	.26	.49	1.37	1.53	.98	.18

CAL YR 1975 TOTAL 4958.91 MEAN 13.6 MAX 341 MIN .32 CFSM 1.35 IN 18.26
WTR YR 1976 TOTAL 3394.05 MEAN 9.27 MAX 191 MIN .32 CFSM .92 IN 12.50

PEAK DISCHARGE (BASE, 520 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
06-29	2115	6.35	914	08-12	2245	5.25	584
07-02	1615	7.24	1,230				

03353180 Bean Creek at Indianapolis, Ind.

LOCATION.--Lat 39°43'45", long 86°07'14", in NW¼SW¼ sec.20, T.15 N., R.4 E., Marion County, on left bank 80 ft (24 m) upstream from Keystone Avenue bridge and west edge of Sarah Shank Golf Course in Indianapolis, and at mile 1.8 (2.9 km).

DRAINAGE AREA.--4.40 mi^2 (11.40 km^2).

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

GAGE.--Water-stage recorder. Datum of gage is 735.00 ft (224.028 m) above mean sea level.

AVERAGE DISCHARGE.--6 years, 5.62 ft^3/s (0.159 m^3/s), 17.35 in/yr (441 mm/yr).

EXTREMES.--Current year: Maximum discharge, 259 ft^3/s (7.33 m^3/s) Aug. 12, gage height, 5.06 ft (1.542 m); minimum daily, 0.61 ft^3/s (0.017 m^3/s) Sept. 11.
Period of record: Maximum discharge, 556 ft^3/s (15.7 m^3/s) May 17, 1974, gage height, 6.57 ft (2.003 m); minimum daily, 0.61 ft^3/s (0.017 m^3/s) Sept. 11, 1976.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	1.4	5.8	10	2.8	3.2	3.6	2.0	5.8	4.2	1.7	2.0
2	3.2	1.4	3.7	8.3	2.7	3.1	3.2	2.0	1.9	6.9	1.8	1.6
3	3.0	1.7	3.2	7.6	2.6	3.5	2.9	2.0	1.7	3.5	1.7	1.6
4	2.8	1.5	2.7	4.5	2.5	15	2.8	2.0	1.6	2.3	1.4	1.2
5	3.0	1.4	2.5	3.4	28	14	2.7	2.1	1.3	2.0	2.3	.80
6	4.4	1.4	3.9	3.0	5.4	5.6	2.5	13	1.5	1.8	35	.91
7	4.7	19	2.7	2.8	4.7	4.4	2.4	4.4	1.5	1.7	2.3	.86
8	13	3.7	2.7	2.6	6.2	3.9	2.3	2.0	1.3	3.3	1.3	1.1
9	4.5	6.6	3.4	2.4	6.0	3.7	2.2	1.9	1.4	1.9	.98	5.8
10	4.2	15	2.5	2.3	8.3	5.4	2.1	1.7	1.4	1.9	.98	.81
11	2.7	3.2	2.5	2.2	6.6	4.8	2.3	1.7	1.3	1.9	.98	.61
12	2.7	2.7	3.9	2.2	4.5	6.8	1.9	1.6	1.2	6.8	31	.66
13	2.1	2.3	3.4	19	4.9	4.8	2.0	3.1	1.1	1.9	22	.72
14	2.5	2.3	2.9	6.1	4.0	4.1	2.1	4.0	1.1	2.0	6.6	.86
15	2.0	1.8	45	4.0	4.4	3.7	1.9	3.7	1.3	2.6	3.7	.87
16	1.8	1.6	8.6	3.3	13	7.0	1.8	1.9	2.5	2.9	1.8	.92
17	1.6	1.8	5.5	3.0	25	4.1	1.6	1.9	1.4	2.5	.98	.91
18	15	1.8	4.0	2.8	15	3.8	1.6	1.8	3.0	2.6	.98	.81
19	6.6	1.6	3.4	2.6	7.6	3.6	1.8	1.7	2.6	2.9	.98	1.1
20	3.7	7.0	3.2	2.5	5.5	12	2.2	1.5	1.1	3.8	1.2	1.3
21	2.8	2.5	2.9	2.4	16	10	2.2	1.5	1.4	3.6	1.1	1.2
22	1.8	1.8	3.0	2.4	8.5	4.7	1.9	1.4	2.4	13	6.6	1.0
23	1.2	1.8	2.7	2.3	5.3	3.9	1.9	1.7	2.3	3.2	3.7	.95
24	1.6	2.1	2.6	4.5	4.7	3.6	2.5	1.8	9.1	3.1	1.8	.90
25	1.5	3.2	2.7	43	4.2	3.7	5.0	1.8	3.0	3.0	1.4	.80
26	1.2	2.5	5.5	13	3.8	7.9	2.4	1.8	1.3	2.6	1.4	2.0
27	1.3	4.5	3.7	5.4	3.6	10	2.0	1.9	1.3	7.6	1.4	5.0
28	1.2	5.1	3.1	4.2	3.1	4.8	1.8	3.3	15	5.6	1.1	2.5
29	10	17	5.2	3.7	3.1	5.8	1.9	2.4	19	7.5	1.0	1.0
30	2.4	26	29	3.3	---	5.5	1.9	5.2	19	2.8	1.2	4.3
31	1.4	---	22	3.0	---	3.7	---	2.7	---	8.7	1.3	---
TOTAL	112.7	145.7	197.9	181.8	212.0	180.1	69.4	81.5	109.8	120.1	141.68	45.09
MEAN	3.64	4.86	6.38	5.86	7.31	5.81	2.31	2.63	3.66	3.87	4.57	1.50
MAX	15	26	45	43	28	15	5.0	13	19	13	35	5.8
MIN	1.2	1.4	2.5	2.2	2.5	3.1	1.6	1.4	1.1	1.7	.98	.61
CFSM	.83	1.10	1.45	1.33	1.66	1.32	.53	.60	.83	.88	1.04	.34
IN.	.95	1.23	1.67	1.54	1.79	1.52	.59	.69	.93	1.02	1.20	.38

CAL YR 1975 TOTAL 2198.38 MEAN 6.02 MAX 76 MIN .98 CFSM 1.37 IN 18.58
WTR YR 1976 TOTAL 1597.77 MEAN 4.37 MAX 45 MIN .61 CFSM .99 IN 13.51

PEAK DISCHARGE (BASE, 80 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-15	0445	3.80	112	06-29	2345	4.01	133
01-25	1430	3.87	119	08-06	0800	4.05	137
02-05	1330	3.70	103	08-12	2300	5.06	259
02-16	2400	3.75	108				

03353200 Eagle Creek at Zionsville, Ind.

LOCATION.--Lat 39°56'56", long 86°15'22", in SW¼NW¼ sec.1, T.17 N., R.2 E., Boone County, on downstream side of second pier from right bank of bridge on State Highway 334 at Zionsville, 200 ft (61 m) upstream from Long Branch, and at mile 24.7 (39.7 km).

DRAINAGE AREA.--103 mi^2 (267 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: October 1957 to current year.
SEDIMENT DISCHARGE: August 1969 to current year (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 816.85 ft (248.976 m) above mean sea level. Prior to Oct. 9, 1957, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--19 years, 98.9 ft^3/s (2.801 m^3/s), 13.04 in/yr (331 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,540 ft^3/s (185 m^3/s) Feb. 17, gage height, 11.85 ft (3.612 m); minimum daily, 0.31 ft^3/s (0.009 m^3/s) Sept. 18, 24, 25.
Period of record: Maximum discharge, 12,400 ft^3/s (351 m^3/s) Apr. 20, 1964, gage height, 14.64 ft (4.462 m); no flow at times during 1959, 1963-68, 1970, 1971.
Flood of June 28, 1957, reached a stage of 19.20 ft (5.852 m), from floodmark.

REMARKS.--Records poor.

REVISIONS.--WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	6.4	320	127	53	59	67	17	576	283	18	1.5
2	1.5	6.1	147	104	45	56	62	17	256	145	9.1	1.4
3	1.5	5.9	98	120	41	56	57	16	145	173	7.1	1.4
4	1.6	5.9	77	90	36	1500	54	16	89	107	5.4	1.3
5	1.6	5.7	66	63	31	1010	47	15	67	58	5.1	1.2
6	1.5	5.4	77	50	28	411	45	18	50	45	82	1.0
7	1.4	7.3	88	40	27	243	42	24	37	29	84	.91
8	1.8	13	71	34	27	174	39	23	28	21	45	.70
9	2.5	11	64	29	28	140	36	17	26	15	22	1.4
10	5.1	10	57	27	1290	117	34	16	25	14	14	1.1
11	5.7	11	50	25	1530	107	34	16	19	9.6	9.6	.76
12	4.6	11	45	25	453	100	32	16	15	150	123	.57
13	3.8	9.7	45	90	448	97	30	16	11	87	21	.49
14	2.9	8.2	48	210	292	82	29	56	11	35	8.3	.41
15	2.7	6.7	790	115	214	74	29	142	11	44	5.7	.34
16	2.5	6.5	420	81	1130	72	28	28	22	99	4.6	.34
17	2.9	6.3	206	60	3350	72	27	22	33	39	4.0	.34
18	4.3	6.3	128	40	724	72	25	17	18	27	4.3	.31
19	7.1	7.5	90	35	400	72	24	16	18	23	4.0	1.0
20	9.6	8.2	71	30	250	78	24	17	16	19	3.8	.49
21	9.1	8.6	53	27	518	222	23	15	11	18	2.7	.34
22	7.9	8.4	44	25	451	131	23	11	13	16	2.2	.34
23	7.4	7.4	40	24	232	103	23	9.6	20	13	1.9	.34
24	6.6	6.7	35	28	175	92	23	9.6	150	12	1.9	.31
25	7.0	6.7	35	215	139	83	23	9.6	214	12	1.8	.31
26	14	6.7	40	860	113	73	23	9.6	120	11	1.8	1.0
27	11	7.8	34	325	98	91	22	9.6	71	10	1.7	.84
28	8.7	7.4	29	223	74	105	21	9.6	67	7.9	1.7	.76
29	7.9	12	27	140	68	94	20	11	360	10	1.6	.70
30	7.4	532	77	90	---	91	18	18	780	11	1.6	.63
31	7.0	---	165	70	---	73	---	539	---	13	1.5	---
TOTAL	161.1	761.9	3537	3422	12255	5750	984	1176.6	3279	1556.5	500.4	22.53
MEAN	5.20	25.4	114	110	423	185	32.8	38.0	109	50.2	16.1	.75
MAX	14	532	790	860	3350	1500	67	539	780	283	123	1.5
MIN	1.4	5.4	27	24	27	56	18	9.6	11	7.9	1.5	.31
CFSM	.05	.25	1.11	1.07	4.11	1.80	.32	.37	1.06	.49	.16	.007
IN.	.06	.28	1.28	1.24	4.43	2.08	.36	.42	1.18	.56	.18	.008

CAL YR 1975 TOTAL 36320.70 MEAN 105 MAX 2810 MIN 1.4 CFSM 1.02 IN 13.84
WTR YR 1976 TOTAL 33406.03 MEAN 91.3 MAX 3350 MIN .31 CFSM .89 IN 12.07

PEAK DISCHARGE (BASE, 1,500 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-26	0400	6.98	1,540	02-17	0600	11.85	6,540
02-10	2300	9.75	3,520	03-04	1300	8.62	2,530

03353200 Eagle Creek at Zionsville, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
OCT.							
16...	1500	17.0	2.5	33	.22	--	--
FEB.							
17...	1500	7.5	1700	664	3050	73	84
MAR.							
05...	1200	--	1340	367	1330	--	--
JUNE							
09...	1030	24.0	23	80	5.1	--	--
SEP.							
23...	1100	15.0	.33	32	.02	--	--

DATE	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM
OCT.							
16...	--	--	--	--	--	--	--
FEB.							
17...	88	93	97	98	99	99	100
MAR.							
05...	--	--	--	--	--	--	--
JUNE							
09...	--	--	--	--	--	--	--
SEP.							
23...	--	--	--	--	--	--	--

03353450 Eagle Creek Reservoir near Indianapolis, Ind.

LOCATION.--Lat 39°49'20", long 86°18'11", in NW¼NW¼ sec.22, T.16 N., R.2 E., Marion County, in outlet structure of reservoir on Eagle Creek, 800 ft (240 m) upstream from Interstate Highway 74, 0.5 mile (0.8 km) downstream from School Branch, 1.0 mile (1.6 km) northeast of Clermont, and 2 miles (3.2 km) west of Indianapolis.

DRAINAGE AREA.--162 mi^2 (419 km^2).

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

GAGE.--Water-stage recorder. Datum of gage is 780.00 ft (237.744 m) above mean sea level.

EXTREMES.--Current year: Maximum contents, 24,280 acre-ft (29.9 hm^3) Jun. 30, elevation, 790.20 ft (240.853 m); minimum, 15,800 acre-ft (19.5 hm^3) Mar. 3, elevation, 783.27 ft (238.741 m).
Period of record: Maximum contents, 24,840 acre-ft (30.6 hm^3) May 18, 1974, elevation, 790.60 ft (240.975 m); minimum, 13,750 acre-ft (17.0 hm^3) Nov. 28, 1971, elevation, 781.25 ft (238.125 m).

REMARKS.--Reservoir is formed by earth-fill dam. Low flow is controlled through a 48-inch (1,219 mm) diameter conduit. Spillway elevation, 783 ft (238.7 m) is an ogee section with 6 taintor gates, each 40 ft (12.2 m) wide and 25 ft (7.6 m) high. Permanent pool capacity is 24,000 acre-ft (29.6 hm^3), elevation, 790.00 ft (240.792 m). Reservoir is used for flood control, pollution abatement, and recreation. Reservoir put into operation Nov. 27, 1969.

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

Month-end elevation and contents, water year October 1975 to September 1976

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	788.93	22,610	-
Oct. 31	788.24	21,710	-900
Nov. 30	789.20	22,960	+1,250
Dec. 31	790.11	24,150	+1,190
Calendar year 1975	-	-	+7,120
Jan. 31	788.04	21,450	-2,700
Feb. 29	783.31	15,840	-5,610
Mar. 31	785.87	18,700	+2,860
Apr. 30	787.13	20,270	+1,570
May 31	787.52	20,780	+510
June 30	790.17	24,240	+3,460
July 31	789.75	23,680	-560
Aug. 31	789.24	23,010	-670
Sept. 30	787.84	21,190	-1,820
Water year 1976	-	-	-1,420

03353500 Eagle Creek at Indianapolis, Ind.

LOCATION.--Lat 39°46'33", long 86°15'01", in NW¼NW¼ sec.6, T.15 N., R.3 E., Marion County, on right bank at downstream side of bridge on Lynhurst Drive, approximately 600 ft (183 m) south of intersection of West 10th Street and Lynhurst Drive, 0.5 mile (0.8 km) downstream from West 10th Street bridge, 1.0 mile (1.6 km) upstream from Vermont Street bridge, 3.0 miles (4.8 km) upstream from Little Eagle Creek, and 7.1 miles (11.4 km) from mouth.

DRAINAGE AREA.--174 mi^2 (451 km^2).

PERIOD OF RECORD.--November 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 699.00 ft (213.055 m) above mean 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 7.21 ft (2.198 m) higher.

AVERAGE DISCHARGE.--37 years (1939 to current year), 153 ft^3/s (4.333 m^3/s), 11.94 in/yr (303 mm/yr).

EXTREMES.--Current year: Maximum discharge, 7,700 ft^3/s (218 m^3/s) Feb. 17, gage height, 9.03 ft (2.752 m); minimum daily, 11 ft^3/s (0.31 m^3/s) June 9-11, 17.

Period of record: Maximum discharge, 28,800 ft^3/s (816 m^3/s) June 28, 1957, gage height, 23.59 ft (7.190 m), from rating curve extended above 9,000 ft^3/s (255 m^3/s) on basis of a combined current-meter measurement and slope-area measurement; no flow for several days in August 1941.

Flood in March 1913 reached a stage of 23.2 ft (7.07 m), from information by local residents.

REMARKS.--Records good. Flow regulated since November 1969 by Eagle Creek Reservoir, 4.7 miles (7.6 km) upstream (See sta 03353450).

REVISIONS (WATER YEARS).--WSP 953: 1939. WSP 1625: 1958. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	24	56	286	99	143	35	13	18	476	37	19
2	26	25	284	214	37	130	33	13	18	277	30	19
3	26	25	220	283	97	154	32	13	15	239	28	19
4	25	24	163	196	33	1100	32	13	13	158	25	19
5	28	24	102	129	202	1690	31	12	13	37	25	19
6	28	24	196	86	152	1170	30	21	13	119	75	19
7	28	40	171	131	79	613	30	16	13	27	33	19
8	50	26	149	125	60	408	28	12	12	102	26	19
9	27	25	82	98	145	308	29	12	11	56	25	19
10	24	37	87	78	1300	259	29	12	11	23	25	19
11	23	26	114	75	2990	225	30	12	11	22	25	19
12	23	23	34	30	869	216	31	12	12	27	28	19
13	27	23	118	244	696	208	29	14	12	24	27	19
14	27	23	114	300	599	181	28	16	12	101	56	19
15	27	23	928	541	630	151	27	28	12	28	27	19
16	28	21	803	512	1010	160	26	14	14	24	25	19
17	32	22	392	465	4760	148	27	14	11	23	24	18
18	37	21	247	39	1540	95	28	13	12	24	20	18
19	30	21	160	106	1190	61	28	14	12	24	20	18
20	27	25	109	33	983	246	29	13	12	25	20	20
21	26	23	47	100	725	298	30	13	13	28	19	18
22	26	22	100	30	753	293	29	15	18	71	21	18
23	25	23	115	35	797	144	28	12	21	32	19	17
24	25	23	33	76	921	35	29	12	27	27	19	18
25	27	23	100	395	586	34	34	12	15	27	18	18
26	26	23	56	1000	348	32	28	13	17	25	18	20
27	26	25	130	373	238	42	24	12	15	41	21	20
28	26	25	34	192	184	35	23	13	73	38	20	18
29	31	46	35	199	160	37	12	12	457	36	19	18
30	26	159	192	123	---	40	12	22	1120	32	19	19
31	25	---	391	102	---	38	---	20	---	41	19	---
TOTAL	864	894	5762	6596	22183	8694	841	443	2033	2234	813	562
MEAN	27.9	29.8	186	213	765	280	28.0	14.3	67.8	72.1	26.2	18.7
MAX	50	159	928	1000	4760	1690	35	28	1120	476	75	20
MIN	23	21	33	30	33	32	12	12	11	22	18	17
CFSM	.16	.17	1.07	1.22	4.40	1.61	.16	.08	.39	.41	.15	.11
IN.	.18	.19	1.23	1.41	4.74	1.86	.18	.09	.43	.48	.17	.12

CAL YR 1975 TOTAL 68782.7 MEAN 188 MAX 2800 MIN 7.4 CFSM 1.08 IN 14.71
WTR YR 1976 TOTAL 51919.0 MEAN 142 MAX 4760 MIN 11 CFSM .82 IN 11.10

03353600 Little Eagle Creek at Speedway, Ind.

LOCATION.--Lat 39°47'15", long 86°13'41", in NE¼SW¼ sec.32, T.16 N., R.3 E., Marion County, on right bank at downstream side of 16th Street bridge in Speedway, 0.6 mile (1.0 km) upstream from Dry Run, and 2.3 miles (3.7 km) upstream from mouth.

DRAINAGE AREA.--23.9 mi^2 (61.9 km^2) including 5.57 mi^2 (14.43 km^2) from Dry Run basin. Since June 1964 part of the flow from the 5.57 mi^2 (14.43 km^2) 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 (215.744 m) above mean sea level (levels by State of Indiana, Department of Natural Resources). Prior to June 13, 1975, at datum 3.00 ft (0.914 m) higher.

AVERAGE DISCHARGE.--17 years, 18.5 ft^3/s (0.524 m^3/s).

EXTREMES.--Current year: Maximum discharge, 931 ft^3/s (26.4 m^3/s) Aug. 14, gage height, 7.18 ft (2.188 m); minimum daily, 0.57 ft^3/s (0.016 m^3/s) Sept. 24.
Period of record: Maximum discharge, 1,940 ft^3/s (54.9 m^3/s) Apr. 25, 1961, gage height, 10.44 ft (3.182 m), present datum; no flow at times in 1960-64, 1966.

REMARKS.--Records poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	3.8	60	56	4.8	8.4	11	2.8	11	49	2.6	1.4
2	4.4	3.3	28	64	4.1	8.4	9.5	2.8	6.0	37	1.4	1.4
3	3.2	3.2	20	45	3.7	95	8.4	2.1	3.6	29	1.3	1.4
4	2.6	3.1	16	29	3.6	609	7.9	1.9	2.3	15	1.1	1.9
5	2.4	3.1	13	20	46	207	7.0	1.7	1.7	10	1.1	1.5
6	2.3	3.2	19	15	42	76	7.0	16	1.4	17	61	1.3
7	2.3	27	15	13	38	44	6.0	8.4	1.3	11	13	1.2
8	2.3	10	13	11	41	30	5.6	3.1	1.1	14	3.6	1.2
9	17	7.0	12	10	84	22	5.3	2.3	1.0	7.0	2.3	9.4
10	14	31	12	9.0	155	24	5.3	2.1	.76	6.0	1.9	3.6
11	11	13	12	8.6	78	20	5.6	2.1	.76	5.3	1.7	1.8
12	7.8	8.0	12	8.4	38	26	4.9	1.9	.66	13	4.3	1.4
13	5.9	5.8	15	90	53	17	4.6	4.6	.57	3.3	45	1.6
14	4.3	4.3	12	40	41	13	4.6	6.7	.57	3.0	168	1.2
15	3.3	3.3	86	23	35	12	4.3	14	.66	3.0	11	1.1
16	2.0	3.0	69	16	145	23	3.8	4.6	3.0	2.3	4.6	1.0
17	7.0	2.8	36	14	139	16	3.6	3.0	1.0	1.4	3.9	.98
18	14	2.7	21	9.9	89	15	3.3	2.3	.86	1.1	2.3	.94
19	9.0	2.7	15	8.0	43	13	3.8	2.1	.76	.86	2.0	.94
20	5.3	15	13	7.2	28	43	4.6	1.9	.76	.86	1.8	2.6
21	5.3	9.0	11	6.6	116	35	4.6	1.7	1.1	.86	1.8	1.6
22	4.2	5.0	9.6	6.1	65	18	4.0	1.6	17	77	1.7	1.0
23	4.2	4.2	8.8	5.0	33	14	3.6	1.6	28	2.8	1.7	.82
24	4.2	3.9	8.5	4.3	31	13	6.0	1.9	92	1.7	1.6	.57
25	4.5	3.9	8.4	231	21	12	15	1.9	18	1.6	1.6	.66
26	4.3	4.1	15	143	16	11	6.0	1.9	7.4	1.3	3.1	2.1
27	4.1	4.3	9.6	39	12	26	3.0	1.7	5.3	4.0	2.0	3.3
28	7.4	4.7	7.0	24	11	15	2.6	4.6	74	2.3	1.7	1.4
29	12	53	8.0	11	11	17	2.3	3.8	135	4.6	1.5	1.0
30	7.3	237	88	7.6	---	24	2.1	21	263	1.9	1.5	.76
31	5.1	---	71	5.8	---	14	---	22	---	4.0	1.4	---
TOTAL	185.9	484.4	743.9	980.5	1427.2	1520.8	165.3	150.1	680.56	331.18	353.5	51.07
MEAN	6.00	16.1	24.0	31.6	49.2	49.1	5.51	4.84	22.7	10.7	11.4	1.70
MAX	17	237	88	231	155	609	15	22	263	77	168	9.4
MIN	2.0	2.7	7.0	4.3	3.6	8.4	2.1	1.6	.57	.86	1.1	.57

CAL YR 1975 TOTAL 9167.00 MEAN 25.1 MAX 621 MIN 1.0
WTR YR 1976 TOTAL 7074.41 MEAN 19.3 MAX 609 MIN .57

PEAK DISCHARGE (BASE, 450 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-30	1230	5.80	457	06-30	0100	6.40	652
01-25	2030	6.44	657	07-22	0215	6.27	609
03-04	1100	7.03	866	08-14	0630	7.18	931

03353620 Lick Creek at Indianapolis, Ind.

LOCATION.--Lat 39°42'21", long 86°06'13", in NE¼NE¼ sec.32, T.15 N., R.4 E., Marion County, on left bank at upstream side of Sherman Drive bridge in Indianapolis, and at mile 6.2 (10.0 km).

DRAINAGE AREA.--15.6 mi^2 (40.4 km^2).

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

GAGE.--Water-stage recorder. Datum of gage is 742.00 ft (226.162 m) above mean sea level (Indiana Flood Control and Water Resources Commission bench mark).

AVERAGE DISCHARGE.--6 years, 19.7 ft^3/s (0.558 m^3/s), 17.15 in/yr (436 mm/yr).

EXTREMES.--Current year: Maximum discharge, 567 ft^3/s (16.1 m^3/s) Dec. 15, gage height, 5.02 ft (1.530 m) minimum daily discharge, 1.9 ft^3/s (0.054 m^3/s) Aug. 29.
Period of record: Maximum discharge, 1,900 ft^3/s (53.8 m^3/s) May 17, 1974, gage height, 7.37 ft (2.246 m); minimum daily, 1.4 ft^3/s (0.040 m^3/s) May 4, 1971.

REMARKS.--Records good. The City of Beech Grove sewage treatment plant puts in effluent 1.1 miles (1.8 km) upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	3.5	47	73	8.6	11	13	4.1	12	20	6.0	2.2
2	5.5	3.5	25	47	7.6	11	11	5.0	6.1	38	8.0	2.5
3	5.3	3.9	18	51	7.0	12	11	4.5	4.1	25	6.0	2.5
4	5.1	3.7	14	26	6.8	81	9.5	4.4	3.3	8.4	5.0	2.4
5	4.8	3.5	12	18	114	70	8.9	3.9	3.0	5.8	3.0	2.1
6	5.2	3.7	16	14	45	33	8.4	32	2.7	4.6	81	2.2
7	5.3	41	13	12	21	23	7.9	25	3.2	4.2	20	2.4
8	25	12	12	10	31	18	7.4	7.2	4.1	7.0	8.7	2.5
9	12	11	17	8.8	34	16	6.6	5.2	3.6	4.3	5.5	11
10	5.4	47	14	8.1	49	17	6.5	4.9	3.2	3.6	4.7	4.8
11	3.8	16	11	7.8	43	22	7.5	4.5	3.1	3.2	6.7	2.7
12	3.1	10	12	7.6	24	26	6.6	4.1	3.0	29	37	2.2
13	3.2	8.3	20	75	24	23	6.2	6.2	2.8	5.9	98	2.3
14	3.4	7.2	15	46	23	15	6.1	13	3.1	5.9	50	2.5
15	3.2	7.8	244	22	19	14	6.2	10	2.8	7.1	25	2.5
16	3.0	5.9	65	14	49	19	6.0	6.3	6.4	5.6	13	4.2
17	8.6	5.5	35	11	133	17	5.7	6.7	4.5	4.1	8.2	3.0
18	47	4.6	23	9.9	85	14	5.3	4.8	4.3	3.3	6.3	2.4
19	27	4.7	16	9.2	45	13	5.5	4.0	8.4	3.3	5.1	2.6
20	9.9	11	14	8.8	29	38	6.3	3.6	4.3	22	3.8	3.3
21	7.5	8.2	11	8.4	71	67	6.3	3.4	4.0	20	3.5	2.6
22	6.1	5.6	9.7	8.2	48	27	5.6	3.2	9.2	50	3.1	2.1
23	4.0	4.7	9.3	11	28	21	5.2	3.1	9.1	18	3.2	2.0
24	3.0	4.5	8.6	20	22	16	5.5	3.3	36	17	2.9	2.0
25	3.7	5.2	8.7	192	20	14	12	3.2	11	16	2.9	2.0
26	3.5	5.6	20	94	16	21	7.7	3.1	5.1	13	3.0	4.4
27	3.3	7.0	16	32	14	34	5.2	3.1	3.5	30	2.8	8.3
28	3.0	8.1	13	20	13	19	4.4	4.9	52	22	2.3	3.8
29	11	56	16	15	12	19	4.3	5.7	46	25	1.9	2.7
30	5.7	138	142	12	---	23	4.1	7.4	103	10	2.1	7.5
31	3.8	---	131	9.8	---	15	---	14	---	32	2.1	---
TOTAL	246.4	456.7	1028.3	901.6	1042.0	769	211.9	213.8	366.9	463.3	430.8	99.7
MEAN	7.95	15.2	33.2	29.1	35.9	24.8	7.06	6.90	12.2	14.9	13.9	3.32
MAX	47	138	244	192	133	81	13	32	103	50	98	11
MIN	3.0	3.5	8.6	7.6	6.8	11	4.1	3.1	2.7	3.2	1.9	2.0
CFSM	.51	.97	2.13	1.87	2.30	1.59	.45	.44	.78	.96	.89	.21
IN.	.59	1.09	2.45	2.15	2.48	1.83	.51	.51	.87	1.10	1.03	.24

CAL YR 1975 TOTAL 8786.6 MEAN 24.1 MAX 516 MIN 2.5 CFSM 1.54 IN 20.95
WTR YR 1976 TOTAL 6230.4 MEAN 17.0 MAX 244 MIN 1.9 CFSM 1.09 IN 14.86

PEAK DISCHARGE (BASE, 200 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-30	1145	4.08	271	02-05	1715	4.24	313
12-15	0945	5.02	567	02-16	2400	4.20	308
12-31	1745	3.83	213	06-29	2130	4.26	318
01-13	1845	4.08	271	08-06	0630	3.95	240
01-25	1630	4.76	471	08-12	2315	4.58	415

03353700 West Fork White Lick Creek at Danville, Ind.

LOCATION.--Lat 39°45'36", long 86°30'47", in NW¼NE¼ sec.10, T.15 N., R.1 W., Hendricks County, on downstream side of bridge on U.S. Highway 36, 0.1 mile (0.2 km) east of city limits of Danville, 0.5 mile (0.8 km) upstream from small left-bank tributary and 7 miles (11.3 km) west of Avon.

DRAINAGE AREA.--28.8 mi^2 (74.6 km^2).

PERIOD OF RECORD.--May 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 828.83 ft (252.627 m) above mean 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.

AVERAGE DISCHARGE.--18 years, 28.8 ft^3/s (0.816 m^3/s), 13.58 in/yr (345 mm/yr).

EXTREMES.--Current year: Maximum discharge, 846 ft^3/s (24.0 m^3/s) Feb. 10, gage height, 5.70 ft (1.737 m); minimum daily, 0.07 ft^3/s (0.002 m^3/s) Sept. 6, 8.
Period of record: Maximum discharge, 3,330 ft^3/s (94.3 m^3/s) July 14, 1962, gage height, 11.32 ft (3.450 m); no flow at times during 1961-67, 1970, 1971.
Flood of June 28, 1957, reached a stage of 16.0 ft (4.88 m), from floodmarks, discharge, 6,660 ft^3/s (189 m^3/s), from contracted-opening measurement.

REMARKS.--Records good.

REVISIONS.--WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.77	2.5	80	54	11	18	25	4.5	12	60	3.8	.18
2	.63	2.1	41	47	9.0	17	21	4.3	9.9	29	1.1	.11
3	2.0	1.8	35	54	10	37	19	3.6	5.8	17	.57	.18
4	1.8	1.8	31	42	10	363	17	3.1	4.5	10	.40	.12
5	1.9	1.5	27	28	61	233	15	2.7	3.3	8.0	.82	.09
6	2.0	1.5	38	19	67	102	14	4.4	2.6	14	67	.07
7	2.0	6.8	29	13	48	69	12	5.8	2.4	11	18	.18
8	4.8	6.3	25	8.4	38	51	10	4.3	2.4	7.0	5.7	.07
9	3.5	4.2	23	6.0	108	39	9.8	4.4	2.1	5.5	2.8	1.3
10	.95	6.4	21	10	499	32	9.6	4.2	1.6	4.6	1.5	.31
11	.57	5.3	19	17	247	31	9.5	4.1	1.8	3.9	.86	.19
12	.45	4.3	17	27	99	36	8.4	3.6	1.4	3.9	3.2	.14
13	.53	3.4	19	38	94	29	8.5	4.0	.99	2.6	5.2	.12
14	.74	2.9	25	52	70	23	8.5	6.1	.79	2.0	206	.21
15	.72	2.2	125	28	60	22	8.0	6.1	1.4	2.1	50	.36
16	.75	2.0	80	20	153	24	7.6	5.6	2.5	2.0	19	.12
17	1.4	1.7	56	15	174	22	7.0	5.3	.97	1.0	7.8	.19
18	4.7	1.7	37	12	109	24	6.5	4.7	1.5	.70	4.8	.13
19	7.3	1.5	26	10	71	25	6.5	3.9	1.3	.56	3.2	.34
20	7.2	3.9	20	9.0	54	35	7.3	3.6	.71	.56	2.2	.34
21	5.2	5.2	15	8.0	113	76	8.8	3.3	.96	.44	1.4	.20
22	1.8	2.8	13	7.3	97	41	6.7	2.9	2.4	.47	1.1	.26
23	1.4	2.1	12	9.0	58	31	5.8	2.5	5.3	.94	.82	.10
24	1.4	2.3	11	25	47	26	5.9	1.9	22	.46	.76	.17
25	7.0	2.8	11	75	40	22	7.1	2.0	13	.40	.65	.09
26	6.5	2.5	14	106	33	20	5.8	1.9	6.6	.40	.62	.31
27	3.8	2.4	9.6	43	26	31	4.9	1.6	4.6	5.1	.60	.42
28	2.9	2.5	8.4	28	24	27	4.3	3.5	64	5.5	.42	.24
29	4.8	15	8.8	16	21	27	4.3	3.8	61	2.7	.37	.14
30	4.0	195	48	13	---	55	4.2	4.0	147	1.3	.29	.17
31	2.9	---	68	12	---	32	---	4.3	---	6.2	.35	---
TOTAL	86.41	296.4	992.8	851.7	2451.0	1620	288.0	120.0	386.82	209.33	411.33	6.85
MEAN	2.79	9.88	32.0	27.5	84.5	52.3	9.60	3.87	12.9	6.75	13.3	.23
MAX	7.3	195	125	106	499	363	25	6.1	147	60	206	1.3
MIN	.45	1.5	8.4	6.0	9.0	17	4.2	1.6	.71	.40	.29	.07
CFSM	.10	.34	1.11	.95	2.93	1.82	.33	.13	.45	.23	.46	.007
IN.	.11	.38	1.28	1.10	3.17	2.09	.37	.15	.50	.27	.53	.009

CAL YR 1975 TOTAL 13362.79 MEAN 36.6 MAX 992 MIN .04 CFSM 1.27 IN 17.26
WTR YR 1976 TOTAL 7720.64 MEAN 21.1 MAX 499 MIN .07 CFSM .73 IN 9.97

PEAK DISCHARGE (BASE, 700 FT^3/S).--Feb. 10 (1645) 846 ft^3/s (5.70 ft); Aug. 14 (0445) 717 ft^3/s (5.23 ft).

03353800 White Lick Creek at Mooresville, Ind.

LOCATION.--Lat 39°36'28", long 86°22'56", in NE¼SE¼ sec.35, T.14 N., R.1 E., Morgan County, on right bank at downstream side of bridge on State Highway 42 at Mooresville, 0.9 mile (1.4 km) downstream from McCracken Creek, 2.0 miles (3.2 km) upstream from East Fork White Lick Creek, and at mile 11.4 (18.3 km).

DRAINAGE AREA.--212 mi^2 (549 km^2).

PERIOD OF RECORD.--August 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 644.64 ft (196.486 m) above mean sea level. Dec. 10, 1963, to Sept. 30, 1964, non-recording gage at bridge 1,950 ft (594 m) upstream at datum 1.39 ft (0.424 m) higher.

AVERAGE DISCHARGE.--19 years, 218 ft^3/s (6.174 m^3/s), 13.96 in/yr (355 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,260 ft^3/s (121 m^3/s) Feb. 11, gage height, 16.68 ft (5.084 m); minimum daily, 10 ft^3/s (0.28 m^3/s) Sept. 24, 25.
Period of record: Maximum discharge, 18,000 ft^3/s (510 m^3/s) Mar. 4, 1963, gage height, 22.95 ft (6.995 m); minimum daily, 2.0 ft^3/s (0.057 m^3/s) Dec. 24, 25, 1960, Sept. 2, 1966.
Flood of June 28, 1957, reached a stage of 22.5 ft (6.86 m), from levels to high-water mark by State of Indiana, Department of Natural Resources.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	29	1130	495	156	153	220	56	66	523	38	18
2	22	26	406	318	134	143	192	58	102	259	27	18
3	17	24	270	406	132	138	171	55	77	207	20	18
4	16	23	227	261	103	2260	158	52	56	154	18	17
5	15	22	200	197	857	2330	143	48	43	119	20	16
6	14	21	215	160	608	976	135	56	36	103	598	15
7	13	48	230	120	246	516	127	92	32	94	261	15
8	21	69	197	100	246	362	117	61	29	82	105	14
9	44	54	183	85	437	289	109	51	28	75	74	21
10	36	58	170	85	1970	250	105	46	25	65	58	24
11	25	61	156	95	2460	252	109	44	23	59	50	17
12	20	51	144	106	768	255	100	41	21	56	63	14
13	17	43	146	290	600	257	95	41	21	48	302	13
14	15	36	149	446	508	212	92	53	20	44	687	13
15	13	32	1280	232	380	192	90	58	18	43	276	12
16	12	28	955	192	704	198	87	63	25	44	143	13
17	14	26	424	150	2790	201	81	56	22	38	94	13
18	26	24	261	132	1340	190	76	47	19	34	66	12
19	41	23	198	121	721	192	74	42	21	31	46	12
20	45	27	183	108	447	210	76	38	21	27	38	13
21	40	37	152	101	752	578	84	36	20	25	34	14
22	33	38	124	95	915	304	84	33	21	25	30	12
23	28	31	113	102	447	238	71	31	29	45	27	11
24	24	26	104	146	326	209	68	29	70	33	24	10
25	23	26	99	1160	272	189	81	28	113	25	23	10
26	28	27	112	1960	232	266	78	27	68	22	23	12
27	31	31	107	443	199	545	67	26	44	54	22	16
28	28	31	93	299	178	331	61	32	190	49	21	14
29	33	66	89	223	164	261	59	38	316	50	20	13
30	40	1650	246	197	---	378	57	38	1380	32	18	14
31	33	---	608	170	---	268	---	58	---	27	18	---
TOTAL	787	2688	8971	8995	19092	13143	3067	1434	2956	2492	3244	434
MEAN	25.4	89.6	289	290	658	424	102	46.3	98.5	80.4	105	14.5
MAX	45	1650	1280	1960	2790	2330	220	92	1380	523	687	24
MIN	12	21	89	85	103	138	57	26	18	22	18	10
CFSM	.12	.42	1.36	1.37	3.10	2.00	.48	.22	.46	.38	.50	.07
IN.	.14	.47	1.57	1.58	3.35	2.31	.54	.25	.52	.44	.57	.08

CAL YR 1975 TOTAL 107235.8 MEAN 294 MAX 6830 MIN 9.8 CFSM 1.39 IN 18.82
WTR YR 1976 TOTAL 67303.0 MEAN 184 MAX 2790 MIN 10 CFSM .87 IN 11.81

PEAK DISCHARGE (BASE, 3,000 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-30	1700	15.33	3,310	02-17	0700	16.23	3,930
01-25	2400	16.48	4,110	03-04	1900	16.14	3,870
02-11	0100	16.68	4,260				

03354000 White River near Centerton, Ind.

LOCATION--Lat 39°29'51", long 86°24'02", in NE¼NE¼ sec.10, T.12 N., R.1 E., Morgan County, on right bank at upstream side of bridge on Blue Bluff Road, 1 mile (1.6 km) south of Centerton, 0.8 mile (1.3 km) downstream from White Lick Creek, and at mile 199.3 (321.0 km).

DRAINAGE AREA.--2,444 mi^2 (6,330 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: 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.
WATER TEMPERATURE: September 1953 to April 1956, October 1966 to September 1967, May 1970 to September 1972.
SEDIMENT DISCHARGE: March 1965 to July 1968 (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 595.44 ft (181.490 m) above mean 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 mile (0.6 km) downstream at same datum.

AVERAGE DISCHARGE.--31 years (1930-31, 1946 to current year), 2,385 ft^3/s (67.54 m^3/s), 13.25 in/yr (337 mm/yr).

EXTREMES.--Current year: Maximum discharge, 20,300 ft^3/s (575 m^3/s) Feb. 19, gage height, 13.94 ft (4.249 m); minimum daily, 325 ft^3/s (9.20 m^3/s) Sept. 25.
Period of record: Maximum discharge, 50,500 ft^3/s (1,430 m^3/s) Apr. 22, 1964, gage height, 17.57 ft (5.355 m) at site 0.4 mile (0.6 km) downstream; minimum daily, 131 ft^3/s (3.71 m^3/s) Nov. 15, 1930.
Flood in March 1913 reached a stage of 22.8 ft (6.95 m) at Martinsville site (from information by Indiana State Highway Commission) and 21.9 ft (6.68 m) at site 0.4 mile (0.6 km) downstream (from information by Corps of Engineers), discharge, 90,000 ft^3/s (2,550 m^3/s).

REMARKS.--Records good. Flow regulated by upstream reservoirs.

REVISIONS (WATER YEARS).--WSP 1335: 1948-49. WSP 1909: 1931(M). WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	434	526	4830	5250	2540	2970	2140	855	1870	4800	848	430
2	511	518	4100	4310	2200	2730	1990	855	3150	4250	725	470
3	469	520	3240	3950	1840	2550	1960	831	2720	3510	648	480
4	469	538	2470	3360	1710	6230	1740	815	2050	2150	550	425
5	446	540	2040	2760	2160	12300	1660	776	1480	1740	510	405
6	428	545	1900	2300	4290	14700	1600	758	1220	1980	1000	373
7	428	802	1930	2180	2240	13600	1500	1320	1020	1340	1800	405
8	455	904	1780	2050	1970	8040	1440	1010	935	1180	1200	386
9	805	692	1730	1660	2420	5580	1390	929	831	1150	750	405
10	549	1020	1630	1480	3550	4470	1320	847	792	1000	610	894
11	491	1040	1480	1490	8740	4000	1290	800	716	893	520	575
12	440	896	1410	1480	12000	3600	1280	738	664	1060	770	509
13	418	822	1480	2260	13600	3550	1240	715	634	4330	1250	478
14	410	718	1370	4110	11400	3150	1180	878	627	5430	2000	440
15	404	704	4340	3320	7540	2850	1170	930	567	3000	1650	420
16	422	645	6930	3500	7080	2760	1140	959	552	2130	1350	420
17	412	615	6510	2830	11400	2740	1110	847	575	2500	990	413
18	752	648	4930	2210	17800	2520	1060	815	552	2080	730	405
19	957	648	3250	1690	19900	2350	1030	761	545	1560	650	358
20	806	669	2560	1650	17900	2370	1050	723	716	1230	590	393
21	751	795	2140	1560	11500	4200	1050	686	693	1060	530	448
22	690	644	1840	1520	9820	3780	1060	649	716	1330	530	388
23	620	552	1680	1390	9010	3520	1020	623	815	1040	530	393
24	570	522	1580	1610	7660	2900	1000	604	1320	877	530	355
25	544	545	1450	2780	6050	2540	1110	586	1950	782	480	325
26	523	545	1650	9460	4920	2360	1200	580	2200	717	470	355
27	505	553	1600	7950	4140	2910	1110	580	1820	752	470	520
28	520	558	1540	7910	3600	2930	1020	590	1740	813	480	515
29	563	710	1380	5670	3240	2530	940	697	2110	876	470	462
30	669	3280	2820	3800	---	2700	894	664	4940	762	460	405
31	558	---	4610	3000	---	2380	---	1350	---	805	440	---
TOTAL	17019	22714	82200	100490	212220	135810	38594	24771	40520	57127	24531	13250
MEAN	549	757	2652	3242	7318	4381	1286	799	1351	1843	791	442
MAX	957	3280	6930	9460	19900	14700	2140	1350	4940	5430	2000	894
MIN	404	518	1370	1390	1710	2350	894	580	545	717	440	325
CFSM	.22	.31	1.09	1.33	2.99	1.79	.53	.33	.55	.75	.32	.18
IN.	.26	.35	1.25	1.53	3.23	2.07	.59	.38	.62	.87	.37	.20

CAL YR 1975 TOTAL 1077106 MEAN 2951 MAX 25200 MIN 404 CFSM 1.21 IN 16.39
WTR YR 1976 TOTAL 769246 MEAN 2102 MAX 19900 MIN 325 CFSM .86 IN 11.71

PEAK DISCHARGE (BASE, 9,500 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-26	0800	9.62	10,800	02-19	0500	13.94	20,300
02-13	1700	11.45	13,900	03-06	2000	12.02	15,200

03354500 Beanblossom Creek at Beanblossom, Ind.

LOCATION.--Lat 39°15'45", long 86°14'55", in SW¼NW¼ sec.31, T.10 N., R.3 E., Brown County, on right bank 15 ft (5 m) downstream from bridge on State Highway 135, 0.3 mile (0.5 km) south of Beanblossom, 2.7 miles (4.3 km) upstream from North Fork Beanblossom Creek, and at mile 42.1 (67.7 km).

DRAINAGE AREA.--14.6 mi^2 (37.8 km^2).

PERIOD OF RECORD.--October 1951 to current year. Prior to October 1965, published as Bean Blossom Creek at Bean Blossom.

GAGE.--Water-stage recorder. Datum of gage is 673.65 ft (205.329 m) above mean sea level.

AVERAGE DISCHARGE.--25 years, 16.0 ft^3/s (0.453 m^3/s), 14.88 in/yr (378 mm/yr).

EXTREMES.--Current year: Maximum discharge, 647 ft^3/s (18.3 m^3/s) Dec. 15, gage height, 5.97 ft (1,820 m); no flow for many days in July, August and September.
Period of record: Maximum discharge, 8,140 ft^3/s (231 m^3/s) June 23, 1960, gage height, 11.78 ft (3,591 m), from curve extended above 2,000 ft^3/s (56.6 m^3/s) on basis of contracted-opening measurement; no flow for many days in most years.

REMARKS.--Records good except for periods of no gage-height record July 2 to Aug. 14 and Aug. 16 to Sept. 29, which are poor.

REVISIONS (WATER YEARS).--WSP 1555: 1952, 1953(M), 1956-57. WSP 1705: 1952(P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.09	1.4	45	85	14	10	17	2.1	10	1.0	.05	0
2	.09	1.0	19	43	11	9.5	14	1.9	8.8	.66	0	.30
3	.09	.83	11	35	10	10	13	1.7	4.4	.40	0	.06
4	.09	.68	7.9	24	9.6	89	11	1.4	3.1	.23	0	0
5	.09	.62	6.0	19	8.8	103	9.6	1.3	1.9	.15	.06	0
6	.11	.56	6.9	15	8.4	46	8.7	1.5	1.6	.09	.40	0
7	.11	5.7	6.4	13	8.1	28	7.7	3.7	1.5	.05	.04	0
8	2.1	4.6	5.4	11	7.6	21	6.7	2.0	1.0	.03	0	.03
9	.62	22	5.5	10	7.4	17	6.0	1.7	.85	.02	0	1.0
10	.28	89	4.9	9.8	9.4	15	5.6	1.4	.68	.01	0	.13
11	.17	19	4.3	9.5	12	15	6.0	1.3	.68	.01	0	.02
12	.13	9.4	4.2	12	9.6	21	5.3	1.1	.62	0	0	0
13	.11	6.0	4.0	29	11	31	4.9	1.5	.56	0	.01	0
14	.13	4.1	3.5	36	11	21	4.5	4.0	.51	0	.10	0
15	.11	3.1	202	23	10	18	4.3	3.5	.56	.10	.42	0
16	.11	2.4	62	18	18	18	3.9	2.9	.51	.35	.02	0
17	.75	1.8	30	17	76	16	3.5	2.7	.56	.18	0	0
18	26	1.5	19	9.9	230	14	3.1	2.2	.56	.10	0	0
19	9.0	1.3	15	8.9	53	13	3.3	1.7	.56	.06	0	0
20	4.6	3.0	13	8.4	30	25	3.1	1.5	.56	.03	0	.08
21	2.1	3.6	11	8.0	114	82	3.2	1.3	.62	.02	0	.02
22	1.2	2.4	9.7	7.8	64	33	2.9	1.0	.56	.02	0	0
23	.75	1.9	8.4	8.9	34	24	2.4	.75	.56	.02	0	0
24	.62	1.7	8.0	11	25	19	2.3	.68	.68	.02	0	0
25	.62	1.8	8.3	125	20	16	4.1	.62	1.3	.01	.03	0
26	.56	1.8	39	147	16	15	3.8	.62	.56	.01	.10	.04
27	.46	3.5	26	44	14	19	2.9	.56	.51	.01	.02	.30
28	.46	3.0	20	33	12	17	2.4	.93	1.7	.01	0	.05
29	9.4	21	18	21	11	17	2.2	1.3	1.4	0	0	.01
30	5.1	189	207	17	---	26	2.1	1.1	2.3	0	0	2.1
31	2.5	---	147	15	---	20	---	2.8	---	.50	0	---
TOTAL	68.55	407.69	977.4	874.2	864.9	828.5	169.5	52.76	49.70	4.09	1.25	4.14
MEAN	2.21	13.6	31.5	28.2	29.8	26.7	5.65	1.70	1.66	.13	.040	.14
MAX	26	189	207	147	230	103	17	4.0	10	1.0	.42	2.1
MIN	.09	.56	3.5	7.8	7.4	9.5	2.1	.56	.51	0	0	0
CFSM	.15	.93	2.16	1.93	2.04	1.83	.39	.12	.11	.008	.002	.009
IN.	.17	1.04	2.49	2.23	2.20	2.11	.43	.13	.13	.01	.003	.01

CAL YR 1975 TOTAL 7757.42 MEAN 21.3 MAX 743 MIN 0 CFSM 1.46 IN 19.76
WTR YR 1976 TOTAL 4302.68 MEAN 11.8 MAX 230 MIN 0 CFSM .81 IN 10.96

PEAK DISCHARGE (BASE, 700 FT^3/S).--Dec. 15 (1245) 647 ft^3/s (5.97 ft).

03355400 Lake Lemon near Bloomington, Ind.

LOCATION.--Lat 39°16'20", long 86°25'37", in NW¼SE¼ sec.28, T.10 N., R.1 E., Monroe County, on left side of dam on Beanblossom Creek, 5 miles (8 km) downstream from Bear Creek, 5.5 miles (8.8 km) west of Trevlac, 9.2 miles (14.8 km) northeast of Bloomington, and at mile 29.7 (47.8 km).

DRAINAGE AREA.--70.9 mi^2 (184 km^2).

PERIOD OF RECORD.--April 1953 to March 1958, October 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is 620.10 ft (189.006 m) above mean sea level.

EXTREMES.--Current year: Maximum contents, 15,750 acre-ft (19.4 hm^3) Dec. 31, gage height, 10.72 ft (3.267 m); minimum, 10,930 acre-ft (13.5 hm^3) Sept. 30, gage height, 7.52 ft (2.292 m).
Period of record: Maximum contents, 20,470 acre-ft (25.2 hm^3) May 24, 1968, gage height, 13.32 ft (4.060 m); minimum, 5,390 acre-ft (6.65 hm^3) Mar. 3, 1964, gage height, 2.50 ft (0.762 m).

REMARKS.--Reservoir is formed by earth-fill dam. Releases normally controlled by 42-inch (1,067 mm) diameter gate in 42-inch (1,067 mm) conduit. Capacity at uncontrolled spillway elevation, 9.87 ft (3.008 m) is 14,420 acre-ft (17.8 hm^3). Reservoir is used for low-flow augmentation of the water supply for Bloomington and recreation. Reservoir put in operation on April 15, 1953.

COOPERATION.--Capacity tables furnished by State of Indiana, Department of Natural Resources.

REVISIONS.--WRD Ind. 1968: Drainage age.

Month-end gage height and contents, water year October 1975 to September 1976

Date	Gage height (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	8.60	12,440	-
Oct. 31	8.46	12,240	-200
Nov. 30	8.87	12,820	+580
Dec. 31	10.72	15,750	+2,930
Calendar year 1975	-	-	+1,120
Jan. 31	10.44	15,300	-450
Feb. 29	10.40	15,240	-60
Mar. 31	10.34	15,140	-100
Apr. 30	10.02	14,630	-510
May 31	9.80	14,280	-350
June 30	9.70	14,120	-160
July 31	9.02	13,030	-1,090
Aug. 31	8.24	11,940	-1,090
Sept. 30	7.52	10,930	-1,010
Water year 1976	-	-	-1,510

03356000 Beanblossom Creek at Dolan, Ind.

LOCATION.--Lat 39°14'30", long 86°29'57", in NW¼SW¼ sec.2, T.9 N., R.1 W., Monroe County, on downstream side of pier of highway bridge at Dolan, 5.8 miles (9.3 km) northeast of Bloomington, and 21.5 miles (34.6 km) upstream from mouth.

DRAINAGE AREA.--100 mi^2 (259 km^2).

PERIOD OF RECORD.--April 1946 to current year. Prior to October 1965, published as Bean Blossom Creek at Dolan.

GAGE.--Water-stage recorder. Datum of gage is 576.41 ft (175.690 m) above mean sea level (unadjusted). Prior to Sept. 28, 1951, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--30 years, 113 ft^3/s (3.220 m^3/s), 15.35 in/yr (390 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,100 ft^3/s (31.2 m^3/s) Dec. 31, gage height, 10.26 ft (3.127 m); minimum daily, 11 ft^3/s (0.31 m^3/s) Sept. 5, 6.
Period of record: Maximum discharge, 9,420 ft^3/s (267 m^3/s) June 2, 1947; maximum gage height, 17.9 ft (5.46 m) Jan. 5, 1949; no flow at times during 1946-49, 1953.

REMARKS.--Records good. Flow regulated by Lake Lemon 8.2 miles (13.2 km) upstream (See sta 03355400).

REVISIONS (WATER YEARS).--WSP 1113: 1947. WSP 1275: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	22	745	808	105	77	141	18	36	23	13	12
2	13	20	362	461	86	73	120	18	42	19	13	12
3	13	19	205	300	72	68	104	17	28	17	13	12
4	13	18	131	205	64	436	84	16	23	16	13	12
5	12	18	94	146	62	577	77	16	21	15	13	11
6	13	17	82	116	65	447	68	17	19	15	14	11
7	13	69	80	103	56	287	62	26	17	15	13	12
8	27	45	68	98	52	212	53	23	16	14	13	12
9	21	27	66	88	50	161	47	20	16	14	13	14
10	16	51	60	80	55	124	41	19	15	14	13	13
11	15	42	56	76	68	115	40	18	15	14	13	12
12	15	35	50	67	68	134	41	17	15	13	13	12
13	15	28	49	165	72	228	36	17	14	13	14	12
14	14	26	53	290	74	214	33	22	14	13	14	12
15	15	26	540	202	71	171	34	22	14	13	13	12
16	15	25	864	175	87	143	36	21	14	14	13	12
17	19	23	404	133	239	128	39	20	14	13	12	13
18	79	22	215	100	772	120	31	20	14	13	12	13
19	57	21	146	83	626	105	28	18	27	13	12	13
20	37	29	106	78	339	116	26	17	16	14	12	13
21	26	30	82	72	391	460	28	17	15	14	12	13
22	22	25	69	65	553	392	26	16	14	14	12	13
23	20	24	58	61	352	258	23	15	14	14	12	13
24	18	23	52	68	239	196	22	15	17	14	12	13
25	18	22	49	246	181	149	25	15	27	14	12	13
26	18	24	131	892	136	132	24	20	22	14	12	13
27	17	38	179	582	113	126	23	16	17	14	12	16
28	17	31	151	294	97	118	21	15	20	14	12	14
29	29	66	128	208	85	118	20	16	21	15	12	13
30	30	425	668	156	---	190	19	15	30	14	12	16
31	25	---	1010	122	---	167	---	26	---	13	12	---
TOTAL	675	1291	6953	6540	5230	6242	1372	568	587	449	391	382
MEAN	21.8	43.0	224	211	180	201	45.7	18.3	19.6	14.5	12.6	12.7
MAX	79	425	1010	892	772	577	141	26	42	23	14	16
MIN	12	17	49	61	50	68	19	15	14	13	12	11
CFSM	.22	.43	2.24	2.11	1.80	2.01	.46	.18	.20	.15	.13	.13
IN.	.25	.48	2.59	2.43	1.95	2.32	.51	.21	.22	.17	.15	.14

CAL YR 1975 TOTAL 55528 MEAN 152 MAX 3110 MIN 12 CFSM 1.52 IN 20.66
WTR YR 1976 TOTAL 30680 MEAN 83.8 MAX 1010 MIN 11 CFSM .84 IN 11.41

03357350 Plum Creek near Bainbridge, Ind.

LOCATION.--Lat 39°45'42", long 86°43'46", in SW¼SE¼ sec.3, T.15 N., R.3 W., Putnam County, on right upstream wingwall of bridge on U.S. Highway 36, 0.5 mile (0.8 km) west of Groveland, and 4.5 miles (7.2 km) east of Bainbridge.

DRAINAGE AREA.--3.00 mi^2 (7.77 km^2).

PERIOD OF RECORD.--July 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 828.44 ft (252.509 m) above mean sea level (Indiana State Highway Commission bench mark).

AVERAGE DISCHARGE.--7 years, 3.80 ft^3/s (0.108 m^3/s), 17.20 in/yr (437 mm/yr).

EXTREMES.--Current year: Maximum discharge, 169 ft^3/s (4.79 m^3/s) Jan. 25, gage height, 3.28 ft (1.000 m); no flow at times during Oct. and Sept.
Period of record: Maximum discharge, 632 ft^3/s (17.9 m^3/s) July 24, 1971, gage height, 5.29 ft (1.612 m); no flow at times during 1970, 1975, 1976.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.01	3.2	3.0	.98	1.6	2.5	.43	.14	.92	.10	.03
2	0	.01	1.5	2.8	.88	1.5	2.0	.42	.07	.31	.05	.03
3	.01	.01	.95	3.1	.80	1.2	1.8	.35	.03	.16	.05	.03
4	.01	.01	.76	1.5	.75	35	1.6	.31	.02	.09	.04	.03
5	.01	.01	.70	1.0	18	26	1.4	.27	.02	.06	.05	.03
6	.01	.01	1.3	1.3	4.0	6.1	1.4	.27	.02	1.1	20	.03
7	0	.04	1.1	.90	2.2	3.6	1.2	.35	.02	.51	1.5	.03
8	.02	.02	.89	.65	3.6	3.0	1.0	.17	.02	.13	.45	.02
9	.01	.02	.86	.47	26	2.7	.97	.15	.02	.04	.20	.03
10	.01	.03	.70	.54	50	2.6	.98	.12	.02	.03	.10	.02
11	.01	.02	.62	.64	11	2.7	1.0	.10	.01	.03	.06	.01
12	.01	.02	.59	.80	6.1	3.1	.84	.08	.01	.03	.06	.01
13	0	.02	.65	15	6.8	2.7	.86	.06	.01	.03	.05	.01
14	.01	.01	.62	6.4	4.6	2.2	.84	.09	.01	.03	3.7	.01
15	.01	.01	16	2.7	4.6	1.8	.77	.15	.01	.03	.49	.01
16	.01	.01	4.9	1.7	14	2.4	.69	.09	.01	.04	.23	.01
17	.01	.01	2.8	1.1	11	2.1	.61	.06	.01	.04	.10	.01
18	.02	.01	1.9	1.0	7.2	2.5	.55	.05	.01	.04	.05	.01
19	.03	.01	1.6	.85	5.5	2.5	.55	.04	.01	.04	.05	.03
20	.02	.03	1.5	.78	3.9	7.5	.65	.03	.01	.04	.05	.02
21	.01	.03	1.1	.72	13	12	.94	.03	.02	.04	.05	0
22	.01	.03	.90	.68	9.6	7.2	.64	.03	.02	.04	.06	0
23	.01	.02	.79	.80	5.8	5.8	.50	.03	.02	.04	.06	0
24	.01	.02	.74	3.2	4.8	4.6	.62	.03	.04	.04	.06	0
25	.03	.03	.80	54	3.7	3.6	.82	.03	.03	.04	.22	0
26	.01	.03	.83	11	2.9	3.0	.59	.03	.02	.04	.04	0
27	.01	.03	.80	3.3	2.3	6.8	.45	.03	.02	5.8	.04	0
28	.01	.03	.67	2.3	2.0	4.9	.43	.05	1.7	.36	.03	0
29	.03	.65	.74	1.7	1.9	4.4	.42	.04	2.6	1.7	.04	0
30	.02	22	3.6	1.3	---	4.4	.42	.05	5.0	.11	.03	0
31	.01	---	4.1	1.1	---	2.7	---	.30	---	1.0	.03	---
TOTAL	.38	23.19	58.21	126.33	227.91	172.2	28.04	4.24	9.95	12.91	28.04	.41
MEAN	.012	.77	1.88	4.08	7.86	5.55	.93	.14	.33	.42	.90	.014
MAX	.03	22	16	54	50	35	2.5	.43	5.0	5.8	20	.03
MIN	0	.01	.59	.47	.75	1.2	.42	.03	.01	.03	.03	0
CFSM	.004	.26	.63	1.36	2.62	1.85	.31	.05	.11	.14	.30	.004
IN.	.005	.29	.72	1.57	2.83	2.13	.35	.05	.12	.16	.35	.005

CAL YR 1975 TOTAL 1307.94 MEAN 3.58 MAX 82 MIN 0 CFSM 1.19 IN 16.21
WTR YR 1976 TOTAL 691.81 MEAN 1.89 MAX 54 MIN 0 CFSM .63 IN 8.58

PEAK DISCHARGE (BASE, 150 FT^3/S).--Jan. 25 (1715) 169 ft^3/s (3.28 ft).

03357420 Big Walnut Creek at Greencastle, Ind.

LOCATION.--Lat 39°40'01", long 86°51'57", in NW¼SW¼ sec.9, T.14 N., R.4 W., Putnam County, on left bank, 30 ft (9.1 m) upstream from concrete dam at the Greencastle Waterworks, 0.2 mile (0.3 km) downstream from Snyder Branch, 0.3 mile (0.5 km) upstream from bridge on U.S. Highway 231, 1.1 miles (1.8 km) north of Greencastle, and at mile 21.1 (33.9 km).

DRAINAGE AREA.--216 mi^2 (559 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: October 1974 to current year.
CHEMICAL ANALYSIS: December 1973 to current year.
WATER TEMPERATURE: December 1973 to current year.

GAGE.--Water-stage recorder and multi-parameter monitor. Datum of the gage is 665.00 ft (202.692 m) above mean sea level (levels by State of Indiana, Department of Natural Resources).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	23	832	305	115	180	160	50	141	780	43	16
2	13	21	382	238	110	160	145	50	275	406	29	16
3	13	20	238	268	100	150	134	49	155	298	24	16
4	13	20	170	190	110	2110	128	47	99	215	23	15
5	13	20	146	130	494	2370	120	46	74	150	22	14
6	13	21	146	150	637	1140	110	46	60	128	282	14
7	12	24	170	150	430	694	105	57	52	180	230	14
8	15	27	150	120	280	483	100	49	44	105	96	13
9	19	28	136	100	516	370	95	44	40	80	52	16
10	18	30	123	100	2000	305	90	43	36	63	36	20
11	19	29	114	100	2280	305	90	40	33	54	28	19
12	20	28	105	123	874	314	88	38	30	49	25	16
13	20	27	102	200	682	296	82	36	28	46	24	14
14	17	28	96	366	571	232	80	40	26	43	222	13
15	15	25	590	260	410	197	77	44	24	49	136	12
16	14	23	710	215	814	211	74	43	32	43	74	11
17	15	22	390	146	2760	211	72	40	28	36	41	10
18	18	21	245	125	1600	197	68	40	27	33	29	10
19	20	20	200	110	923	218	66	35	28	29	25	10
20	22	25	170	98	637	239	70	33	28	28	22	12
21	22	30	132	92	962	604	82	35	30	26	21	10
22	21	28	99	90	1160	380	82	32	33	26	20	9.0
23	20	25	105	100	682	278	72	30	36	74	19	8.0
24	21	24	102	175	483	232	65	28	54	40	18	7.5
25	21	23	96	570	380	204	68	27	102	28	19	6.9
26	22	23	99	1530	305	180	68	27	83	24	33	6.9
27	21	26	105	593	250	204	60	26	57	328	24	8.5
28	23	27	93	380	210	204	57	28	475	96	19	7.2
29	26	50	90	218	190	185	54	33	620	77	17	6.9
30	28	928	170	155	---	225	52	33	1400	46	16	7.1
31	25	---	374	125	---	185	---	38	---	66	15	---
TOTAL	571	1666	6680	7522	20965	13263	2614	1207	4150	3646	1684	359.0
MEAN	18.4	55.5	215	243	723	428	87.1	38.9	138	118	54.3	12.0
MAX	28	928	832	1530	2760	2370	160	57	1400	780	282	20
MIN	12	20	90	90	100	150	52	26	24	24	15	6.9
CFSM	.09	.26	1.00	1.13	3.35	1.98	.40	.18	.64	.55	.25	.06
IN.	.10	.29	1.15	1.30	3.61	2.28	.45	.21	.71	.63	.29	.06

CAL YR 1975 TOTAL 90665.0 MEAN 248 MAX 4960 MIN 11 CFSM 1.15 IN 15.61
WTR YR 1976 TOTAL 64327.0 MEAN 176 MAX 2760 MIN 6.9 CFSM .81 IN 11.08

PEAK DISCHARGE (BASE, 1,800 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-26	0600	10.24	2,560	03-04	1700	10.59	3,010
02-11	0500	10.63	3,060	06-30	1200	9.88	1,850
02-17	1300	10.60	3,020				

03357420 Big Walnut Creek at Greencastle, Ind.--Continued

EXTREMES.--WATER DISCHARGE, Current year: Maximum discharge, 3,060 ft^3/s (86.7 m^3/s), Feb. 11, gage height, 10.63 ft (3.240 m); minimum daily, 6.9 ft^3/s (0.195 m^3/s) Sept. 25, 26, 29.
Period of record: Maximum discharge, 6,580 ft^3/s (186 m^3/s), Feb. 23, 1975, gage height, 12.58 ft (3.834 m); minimum daily, 6.9 ft^3/s (0.195 m^3/s) Sept. 25, 26, 29, 1976.
Flood of June 28, 1957, reached a stage of 24.1 ft (7.35 m), from flood profile by State of Indiana, Department of Natural Resources.

SPECIFIC CONDUCTANCE, Current year: Maximum conductance, 698 micromhos, Feb. 4, minimum, 203 micromhos, July 27.
Period of record: Maximum conductance, 698 micromhos, Feb. 4, 1976; minimum, 117 micromhos, Jan. 19, 1974.

WATER TEMPERATURE, Current year: Maximum temperature, 30.5°C July 11; minimum, freezing point on many days during the winter period.
Period of record: Maximum temperature, 30.5°C Aug. 23, 24, 1975, July 11, 1976; minimum, freezing point on many days during the winter period.

REMARKS.--Water discharge records fair, chemical records good.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	561	533	549	542	436	354	533	520	622	611	552	544
2	561	521	548	541	491	444	549	531	658	622	545	539
3	567	515	544	541	526	494	554	542	676	649	544	517
4	---	---	547	537	553	527	569	547	698	576	526	252
5	---	---	543	529	559	550	600	571	576	285	334	279
6	552	535	543	529	568	550	622	599	403	310	427	344
7	545	528	543	536	583	571	624	602	471	383	451	429
8	541	518	539	532	590	577	609	599	518	449	481	452
9	518	502	535	521	596	583	634	609	479	364	490	476
10	527	499	534	521	602	592	656	634	359	268	496	489
11	527	508	527	508	608	586	670	657	389	265	495	483
12	543	526	544	530	608	599	669	647	467	399	494	483
13	560	532	547	540	674	595	646	504	494	468	500	489
14	570	545	550	543	676	661	514	480	526	494	507	497
15	573	559	550	539	671	398	512	483	555	529	573	505
16	576	566	549	536	439	400	547	514	557	447	505	493
17	580	569	556	532	484	442	580	549	436	347	501	492
18	568	554	555	529	516	486	592	576	440	364	515	498
19	554	540	558	535	543	520	607	592	453	431	504	488
20	557	520	554	535	556	545	615	607	480	453	503	427
21	560	546	551	541	556	542	625	612	479	418	438	399
22	567	553	548	535	558	542	628	612	462	426	477	441
23	570	559	547	531	579	552	622	614	500	463	487	472
24	569	559	554	544	581	573	622	606	513	498	496	485
25	569	555	563	550	592	573	606	297	526	513	502	486
26	558	547	566	553	588	572	386	297	545	524	501	487
27	565	544	560	553	577	572	492	391	549	532	498	478
28	561	543	569	553	571	561	553	493	549	542	493	477
29	557	539	566	511	576	563	578	555	553	542	501	483
30	546	535	512	344	568	502	601	575	---	---	511	476
31	545	528	---	---	529	500	614	599	---	---	522	499
MONTH	580	499	569	344	676	354	670	297	698	265	573	252

03357420 Big Walnut Creek at Greencastle, Ind.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	514	498	502	488	549	512	361	254	421	402	541	526
2	529	513	499	487	536	372	394	364	452	423	540	531
3	526	517	498	491	550	526	418	400	467	453	550	528
4	518	512	502	492	555	543	447	420	468	459	552	530
5	562	518	505	496	566	551	478	451	465	454	546	536
6	566	553	502	493	591	559	495	376	455	233	551	538
7	557	547	492	480	574	564	474	338	307	234	555	540
8	551	544	500	489	572	560	492	344	359	310	560	547
9	553	545	511	499	571	558	537	498	402	359	554	537
10	557	549	505	496	564	554	552	533	429	399	548	523
11	556	541	504	493	556	544	557	546	---	---	543	525
12	548	537	509	487	552	540	553	540	---	---	543	523
13	541	534	508	495	551	541	554	545	---	---	552	531
14	538	525	504	497	543	513	549	534	---	---	561	538
15	526	517	514	498	530	460	538	367	345	279	563	549
16	521	514	550	510	464	438	521	368	436	350	567	555
17	520	511	561	549	473	447	529	508	479	440	572	552
18	519	510	569	557	501	478	536	518	504	477	576	550
19	518	509	571	562	528	503	537	522	521	492	573	552
20	515	506	569	557	557	533	530	483	523	508	554	542
21	509	493	565	544	571	546	481	450	528	515	---	---
22	501	492	555	527	576	554	483	458	525	514	---	---
23	505	498	554	536	553	541	519	482	537	519	---	---
24	506	495	553	527	545	459	520	409	531	518	---	---
25	503	496	546	531	521	500	469	422	525	513	---	---
26	507	491	544	525	564	526	473	463	520	455	---	---
27	508	504	570	534	578	550	472	203	501	410	579	441
28	514	503	572	545	583	223	424	272	541	507	569	547
29	516	504	550	541	408	289	453	423	546	528	590	544
30	510	496	546	540	415	205	453	425	540	525	---	---
31	---	---	548	531	---	---	454	407	529	513	---	---
MONTH	566	491	572	480	591	205	557	203	546	233	---	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	17.0	15.5	12.0	10.5	9.0	4.5	3.5	2.0	1.0	0.0	12.5	10.0
2	15.5	13.5	15.0	12.0	5.5	4.0	4.0	3.0	0.5	0.0	13.5	12.0
3	13.5	12.0	15.5	15.0	6.0	4.5	3.0	1.0	0.5	0.0	15.0	13.0
4	---	---	17.0	15.0	7.0	4.5	0.5	0.0	0.5	0.0	13.5	10.5
5	15.0	13.5	18.0	16.5	9.5	6.0	0.5	0.0	0.0	0.0	12.5	8.5
6	16.0	14.0	18.0	16.5	10.5	8.5	0.5	0.0	0.0	0.0	8.5	7.0
7	16.5	15.0	18.0	17.5	8.5	6.5	0.5	0.0	0.0	0.0	8.5	5.5
8	16.5	15.5	19.0	17.5	6.5	5.0	0.5	0.0	0.5	0.0	8.5	6.5
9	17.5	16.0	18.0	16.5	5.5	4.5	0.5	0.0	1.0	0.0	9.5	6.5
10	18.0	16.5	18.5	14.5	4.5	4.0	0.5	0.0	2.0	0.0	8.0	6.5
11	17.0	15.5	14.5	11.5	6.0	3.5	0.5	0.5	3.5	2.0	9.0	5.5
12	16.0	14.5	12.5	10.5	7.0	6.0	0.5	0.5	4.5	2.0	11.0	8.0
13	18.0	16.0	10.5	8.0	10.5	7.0	0.5	0.0	7.0	4.5	8.5	6.0
14	19.0	17.5	7.5	6.0	13.5	10.5	0.5	0.0	5.0	4.0	8.0	4.0
15	19.0	17.5	7.0	5.0	13.5	9.0	0.5	0.0	8.0	4.0	8.0	5.5
16	17.5	15.0	8.5	7.0	8.5	5.5	0.5	0.0	8.5	7.5	7.5	4.5
17	15.0	13.0	9.5	8.0	5.0	2.5	0.5	0.0	8.0	7.5	6.5	3.0
18	12.5	11.0	9.0	8.5	2.0	0.5	0.0	0.0	8.0	7.0	9.0	4.0
19	11.0	10.5	9.0	8.0	1.0	0.5	0.0	0.0	7.0	5.5	13.0	8.0
20	12.5	10.5	9.5	9.0	1.0	0.5	0.0	0.0	7.0	4.5	14.5	12.5
21	15.0	12.0	9.0	6.0	1.0	0.5	0.0	0.0	8.5	6.5	13.0	8.5
22	17.0	15.0	6.5	5.5	1.5	0.5	0.0	0.0	8.0	5.0	9.5	6.5
23	17.5	16.0	6.0	5.0	1.0	0.5	0.0	0.0	5.0	3.5	11.0	6.5
24	18.0	16.0	5.0	4.0	1.5	0.5	0.0	0.0	7.5	3.5	13.0	8.5
25	18.0	15.0	4.5	4.0	2.0	1.0	0.0	0.0	9.5	6.5	15.5	11.0
26	15.0	13.0	4.5	3.0	1.5	0.5	0.5	0.0	11.0	8.0	17.5	13.0
27	13.0	11.0	3.0	1.5	1.5	1.0	0.0	0.0	10.5	7.5	16.5	11.5
28	14.0	12.0	3.0	1.5	1.5	1.0	0.0	0.0	10.5	8.0	14.0	9.0
29	14.0	13.0	7.5	3.0	3.5	1.5	1.0	0.0	12.0	8.5	13.0	11.0
30	13.0	11.0	12.0	8.0	3.5	3.0	1.0	0.0	---	---	15.5	12.0
31	11.0	9.5	---	---	4.0	2.5	1.0	0.0	---	---	14.0	11.5
MONTH	19.0	9.5	19.0	1.5	13.5	0.5	4.0	0.0	12.0	0.0	17.5	3.0

03357420 Big Walnut Creek at Greencastle, Ind.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	11.5	9.0	17.0	15.0	---	---	21.0	18.5	25.0	22.5	22.0	21.0
2	14.0	8.0	15.5	14.0	---	---	22.0	19.0	24.5	22.0	22.5	20.5
3	16.0	10.5	13.5	11.0	---	---	23.0	20.5	24.0	21.0	23.0	20.0
4	15.0	11.0	15.5	9.5	---	---	24.0	20.0	24.0	21.5	24.0	21.5
5	14.5	9.0	19.0	13.5	---	---	25.0	21.0	25.5	22.5	24.5	21.0
6	16.0	10.5	18.0	16.0	---	---	23.5	20.5	24.5	21.0	23.5	20.0
7	16.5	12.5	18.0	14.0	---	---	22.5	20.5	22.5	19.5	22.5	19.0
8	15.0	11.0	18.0	13.0	---	---	26.5	21.0	23.0	18.5	24.0	19.5
9	14.5	9.5	19.0	14.0	---	---	27.0	23.0	23.5	19.0	23.0	20.5
10	15.5	10.5	19.5	15.5	---	---	29.5	24.5	24.5	20.5	20.5	18.5
11	14.5	12.0	20.5	16.5	---	---	30.5	25.5	---	---	19.5	17.5
12	14.5	9.5	19.5	15.5	---	---	29.0	26.0	---	---	21.0	18.5
13	15.5	10.0	20.0	16.0	---	---	27.0	22.5	---	---	22.5	18.5
14	18.0	11.5	19.5	18.5	---	---	28.5	24.0	---	---	23.0	19.0
15	20.5	16.0	21.5	19.0	26.0	23.5	28.0	25.0	23.0	20.5	23.0	20.5
16	21.5	18.0	21.0	19.0	25.0	23.0	27.0	24.0	23.5	19.5	21.5	19.5
17	23.0	18.0	19.0	15.5	26.0	22.0	25.5	22.5	23.5	19.5	21.5	19.0
18	22.0	18.5	18.5	13.5	25.5	23.5	25.5	22.0	23.5	19.5	21.5	19.0
19	21.0	19.0	19.5	15.0	25.0	23.5	25.5	22.5	24.0	21.0	21.5	19.0
20	22.5	18.0	22.0	17.0	23.5	21.0	26.0	24.0	24.5	22.0	21.0	16.5
21	21.0	19.0	23.0	19.0	22.0	20.5	27.0	25.0	25.0	23.0	---	---
22	21.5	16.0	22.0	18.5	21.0	19.5	26.5	25.5	24.5	23.0	---	---
23	22.0	17.5	21.0	18.5	20.0	18.5	30.0	25.0	25.5	23.0	---	---
24	20.5	18.5	19.5	17.5	21.5	19.5	29.5	26.5	25.5	24.0	---	---
25	19.0	14.5	19.5	16.5	23.0	20.5	28.5	25.5	24.5	24.0	---	---
26	15.5	11.5	20.5	16.5	26.5	20.0	27.5	25.0	24.5	23.5	---	---
27	14.0	11.0	---	---	26.5	22.0	27.0	20.5	26.0	22.5	16.5	15.5
28	14.5	10.0	---	---	26.0	19.0	27.0	22.5	26.5	25.0	16.5	15.0
29	17.0	11.0	---	---	23.0	20.5	26.5	24.0	25.5	22.5	15.0	14.0
30	18.0	13.0	---	---	21.0	18.5	27.0	23.5	24.0	21.0	---	---
31	---	---	---	---	---	---	26.5	24.0	23.0	20.5	---	---
MONTH	23.0	8.0	23.0	9.5	---	---	30.5	18.5	26.5	18.5	---	---

03357500 Big Walnut Creek near Reelsville, Ind.

LOCATION.--Lat 39°32'11", long 86°58'35", in NW¼SW¼ sec.28, T.13 N., R.5 W., Putnam County, on left bank at downstream side of county highway bridge, 1.5 miles (2.4 km) southwest of Reelsville, and 4.1 miles (6.6 km) upstream from mouth.

DRAINAGE AREA.--326 mi^2 (844 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: July 1949 to current year. Published as Eel River near Reelsville, October 1952 to September 1956.
SEDIMENT DISCHARGE: September 1969 to current year (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 588.24 ft (179.296 m) above mean sea level (levels by State of Indiana, Department of Natural Resources). Prior to Dec. 10, 1949, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--27 years, 342 ft^3/s (9.679 m^3/s), 14.24 in/yr (362 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,730 ft^3/s (106 m^3/s) Mar. 5, gage height, 10.42 ft (3.176 m); minimum daily, 21 ft^3/s (0.595 m^3/s) Oct. 7, Sept. 26.
Period of record: Maximum discharge, 27,400 ft^3/s (776 m^3/s) June 28, 1957, gage height, 18.63 ft (5.678 m), from rating curve extended above 18,000 ft^3/s (510 m^3/s) on basis of slope-conveyance method; minimum daily, 1.4 ft^3/s (0.040 m^3/s) Sept. 8, 1954.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1335: 1950. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	41	1260	489	220	292	308	91	92	1030	95	27
2	24	38	574	374	195	269	277	90	295	536	71	26
3	23	37	357	408	180	251	250	88	229	383	58	78
4	23	36	257	306	176	2020	234	83	150	307	48	55
5	23	35	216	209	609	3260	217	79	111	225	44	64
6	22	36	232	227	958	1580	205	80	88	186	123	64
7	21	43	231	225	588	920	195	104	75	247	357	64
8	25	48	215	170	371	663	181	89	67	161	138	65
9	34	48	193	150	511	538	169	79	61	124	87	79
10	32	54	173	150	1610	466	162	74	57	104	65	77
11	32	54	155	170	2690	467	166	72	53	90	53	80
12	35	52	144	228	1170	476	160	68	52	86	47	78
13	37	47	138	430	848	463	149	67	50	75	45	77
14	30	50	131	551	748	395	145	72	49	68	145	75
15	26	44	764	443	575	360	142	76	45	115	255	74
16	25	40	1050	343	939	369	139	76	45	100	115	74
17	26	38	595	277	3100	377	131	75	45	64	77	73
18	31	37	378	239	2080	362	122	72	40	57	61	72
19	36	35	284	201	1190	368	119	68	41	53	50	84
20	40	42	248	175	816	431	124	63	38	53	44	112
21	40	52	200	150	1210	792	151	60	42	48	40	75
22	39	49	163	145	1560	540	150	57	43	48	37	74
23	36	45	156	140	934	428	127	56	47	65	34	46
24	37	42	145	202	645	376	116	54	67	70	32	25
25	39	42	132	848	534	345	120	52	100	54	31	22
26	40	42	133	1890	453	317	121	50	112	46	34	21
27	38	47	146	682	393	347	112	49	80	340	64	29
28	40	47	128	524	349	356	102	49	549	168	40	26
29	46	101	120	400	320	366	97	52	721	131	32	23
30	51	1550	304	308	---	486	93	54	1240	92	29	28
31	44	---	546	261	---	363	---	55	---	95	27	---
TOTAL	1021	2872	9768	11315	25972	19043	4784	2154	4684	5221	2378	1777
MEAN	32.9	95.7	315	365	896	614	159	69.5	156	168	76.7	59.2
MAX	51	1550	1260	1890	3100	3260	308	104	1240	1030	357	112
MIN	21	35	120	140	176	251	93	49	38	46	27	21
CFSM	.10	.29	.97	1.12	2.75	1.88	.49	.21	.48	.52	.24	.18
IN.	.12	.33	1.11	1.29	2.96	2.17	.55	.25	.53	.60	.27	.20

CAL YR 1975 TOTAL 144756 MEAN 397 MAX 6560 MIN 21 CFSM 1.22 IN 16.52
WTR YR 1976 TOTAL 90989 MEAN 249 MAX 3260 MIN 21 CFSM .76 IN 10.38

PEAK DISCHARGE (BASE, 2,800 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-11	0800	9.60	3,170	03-05	1000	10.42	3,730
02-17	0700	9.93	3,390				

03357500 Big Walnut Creek near Reelsville, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
OCT.					
15...	1120	16.5	27	5	.36
MAR.					
03...	1115	14.0	254	64	43
APR.					
08...	1200	12.5	177	29	13
MAY					
13...	1140	18.0	63	20	3.4
JUNE					
17...	1100	21.5	42	45	5.1
JULY					
20...	1000	23.0	50	60	8.2
SEP.					
29...	1210	16.0	22	14	.85

03358000 Mill Creek near Cataract, Ind.

LOCATION.--Lat 39°26'00", long 86°45'48", in NE¼SE¼ sec.32, T.12 N., R.3 W., Owen County, on right bank at downstream side of bridge on State Highway 43, 3 miles (5 km) east of Cataract, and at mile 17.5 (28.2 km).

DRAINAGE AREA.--245 mi^2 (635 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: July 1949 to current year.
SEDIMENT DISCHARGE: September 1969 to current year (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 706.40 ft (215.311 m) above mean sea level. Prior to Nov. 8, 1949, nonrecording gage, and Nov. 8, 1949, to Sept. 22, 1968, water-stage recorder at site 100 ft (30 m) upstream at same datum.

AVERAGE DISCHARGE.--27 years, 252 ft^3/s (7.137 m^3/s), 13.97 in/yr (355 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,600 ft^3/s (73.7 m^3/s) Jan. 26, gage height, 12.33 ft (3.758 m); minimum daily, 4.5 ft^3/s (0.13 m^3/s) Oct. 15.
Period of record: Maximum discharge, 11,400 ft^3/s (323 m^3/s) June 24, 1960, gage height, 22.58 ft (6.882 m); minimum daily, 0.1 ft^3/s (0.003 m^3/s) Sept. 7, 28, 1954.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1505: 1956(P). WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	17	794	730	110	143	258	45	63	361	78	9.3
2	13	15	239	434	100	133	204	46	52	173	26	10
3	9.0	14	149	553	95	129	172	43	38	110	17	11
4	6.9	13	112	311	90	1140	154	38	29	82	13	10
5	6.2	12	95	230	350	2010	132	36	24	62	12	9.3
6	5.8	12	111	150	1370	954	124	42	20	58	113	8.2
7	5.6	19	132	110	346	446	114	145	18	88	317	7.2
8	8.0	32	110	95	264	324	102	81	17	56	72	7.6
9	16	26	103	90	597	267	92	55	16	43	35	12
10	15	19	95	80	969	222	89	48	15	32	23	56
11	9.9	17	85	80	1190	240	93	43	15	27	18	21
12	6.6	20	80	107	436	322	89	38	14	26	16	14
13	6.4	18	80	416	411	523	80	35	13	27	152	11
14	5.4	16	82	1380	423	284	79	66	11	20	303	10
15	4.5	14	1280	482	346	229	77	79	11	19	197	9.5
16	5.6	13	1160	314	758	227	74	59	12	172	71	9.0
17	5.8	12	418	164	1670	259	67	51	16	70	40	9.0
18	15	11	237	130	1210	221	62	47	15	34	26	9.0
19	22	11	292	110	668	208	59	39	14	22	20	12
20	20	12	208	95	402	236	62	34	15	18	17	21
21	15	19	124	85	737	1070	72	31	14	16	15	15
22	14	20	96	80	1030	423	83	28	16	16	13	13
23	12	17	103	80	458	291	60	26	24	16	13	11
24	11	14	87	262	338	242	54	24	55	14	12	10
25	10	14	84	921	279	205	64	23	128	12	13	10
26	13	14	98	2400	231	179	71	22	65	11	29	10
27	15	16	98	597	193	218	55	21	33	166	47	13
28	14	17	83	250	173	225	48	23	330	118	23	16
29	15	44	80	200	158	210	46	34	517	84	13	11
30	22	1030	454	160	---	767	45	35	918	47	10	15
31	21	---	933	140	---	382	---	77	---	113	9.1	---
TOTAL	357.2	1528	8102	11236	15402	12729	2781	1414	2528	2113	1763.1	390.1
MEAN	11.5	50.9	261	362	531	411	92.7	45.6	84.3	68.2	56.9	13.0
MAX	22	1030	1280	2400	1670	2010	258	145	918	361	317	56
MIN	4.5	11	80	80	90	129	45	21	11	11	9.1	7.2
CFSM	.05	.21	1.07	1.48	2.17	1.68	.38	.19	.34	.28	.23	.05
IN.	.05	.23	1.23	1.71	2.34	1.93	.42	.21	.38	.32	.27	.06

CAL YR 1975 TOTAL 100870.8 MEAN 276 MAX 4960 MIN 4.5 CFSM 1.13 IN 15.32
WTR YR 1976 TOTAL 60343.4 MEAN 165 MAX 2400 MIN 4.5 CFSM .67 IN 9.16

PEAK DISCHARGE (BASE, 2,500 FT^3/S).--Jan. 26 (0500) 2,600 ft^3/s (12.33 ft).

03358000 Mill Creek near Cataract, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
JAN.							
06...	1455	.5	156	34	14	--	--
MAR.							
04...	1330	14.0	1640	1240	5490	38	49
SEP.							
29...	1520	15.0	10	6	.16	--	--

DATE	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM
JAN.							
06...	--	--	--	--	--	--	--
MAR.							
04...	60	72	88	94	96	97	100
SEP.							
29...	--	--	--	--	--	--	--

03358900 Cagles Mill Lake near Manhattan, Ind.

LOCATION.--Lat 39°29'14", long 86°55'02", in NE¼NW¼ sec.13, T.12 N., R.5 W., Putnam County, in discharge tower of reservoir on Mill Creek, 1.5 miles (2.4 km) upstream from Deer Creek, 2.7 miles (4.3 km) (revised) above mouth, and 5.8 miles (9.3 km) south of Manhattan.

DRAINAGE AREA.--293 mi^2 (759 km^2).

PERIOD OF RECORD.--July 1953 to current year. Prior to September 1970, published as Cagles Mill "Reservoir".

GAGE.--Water-stage recorder. Datum of gage is 600.00 ft (182.880 m) above mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1975, at datum 18.17 ft (5.538 m) lower.

EXTREMES.--Current year: Maximum contents, 49,120 acre-ft (60.4 hm^3) Feb. 26, elevation, 649.04 ft (197.827 m); minimum, 27,180 acre-ft (33.4 hm^3) Dec. 11, elevation, 636.05 ft (193.868 m).
Period of record: Maximum contents, 127,760 acre-ft (158 hm^3) May 15, 1961, elevation, 679.30 ft (207.051 m); minimum, 21,700 acre-ft (26.8 hm^3) Oct. 21-26, 1964, elevation, 631.89 ft (192.600 m). Pool lowered to elevation, 597.57 ft (182.139 m) Oct. 23, 1971 (contents, dry) due to drainage of lake to kill fish.

REMARKS.--Reservoir is formed by earth and rock-fill dam. Releases normally controlled by three gates, 5 ft (1.5 m) wide and 10 ft (3.0 m) high, in 12 ft (3.7 m) by 12 ft (3.7 m) concrete-lined tunnel 496 ft (151.2 m) long through right abutment. Minimum design capacity is 27,110 acre-ft (33.4 hm^3), elevation, 636 ft (193.9 m). Capacity at uncontrolled spillway elevation, 704 ft (214.6 m) is 228,000 acre-ft (218 hm^3). Reservoir is used for flood control and recreation. Reservoir put in operation on July 6, 1953.

COOPERATION.--Water-stage recorder graph and capacity tables furnished by Corps of Engineers.

Month-end elevation and contents, water year October 1975 to September 1976

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	636.08	27,230	-
Oct. 31	636.28	27,510	+280
Nov. 30	638.15	30,220	+2,710
Dec. 31	638.05	30,070	-150
Calendar year 1975	-	-	+1,350
Jan. 31	639.64	32,490	+2,420
Feb. 29	644.54	40,660	+8,170
Mar. 31	637.90	29,850	-10,810
Apr. 30	636.30	27,540	-2,310
May 31	637.64	29,470	+1,930
June 30	639.17	31,760	+2,290
July 31	637.40	29,120	-2,640
Aug. 31	637.02	28,560	-560
Sept. 30	636.35	27,610	-950
Water year 1976	-	-	+380

03360000 Eel River at Bowling Green, Ind.

LOCATION (revised).--Lat 39°22'58", long 87°01'14", in NE¼NE¼ sec.24, T.11 N., R.6 W., Clay County, on left bank 500 ft (152 m) downstream from bridge on State Highway 46 at Bowling Green, 0.2 mile (0.3 km) downstream from Jordan Creek, and at mile 38.4 (61.8 km).

DRAINAGE AREA.--830 mi^2 (2,150 km^2).

PERIOD OF RECORD.--January 1931 to current year. Prior to October 1934, published as "near Centerpoint".

GAGE.--Water-stage recorder. Datum of gage is 548.02 ft (167.036 m) above mean sea level (levels by Corps of Engineers). See WSP 1725 for history of changes prior to Dec. 1, 1949.

AVERAGE DISCHARGE.--45 years, 856 ft^3/s (24.24 m^3/s), 14.00 in/yr (356 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,890 ft^3/s (167 m^3/s) Mar. 5, gage height, 15.37 ft (4.685 m); minimum daily, 60 ft^3/s (1.70 m^3/s) Oct. 8.
Period of record: Maximum discharge, 34,000 ft^3/s (963 m^3/s) Jan. 4, 1950, gage height, 23.53 ft (7.172 m); minimum daily, 11 ft^3/s (0.31 m^3/s) Oct. 7, 8, 1954.
Maximum stage known, about 30.0 ft (9.14 m) in 1875, present datum, from information by Corps of Engineers.

REMARKS.--Records good. Flow regulated by Cagles Mill Lake (See sta 03358900).

REVISIONS (WATER YEARS).--WSP 893: 1935, 1937-39. WSP 973: 1937-38, 1939(M). WSP 1335: 1931(M). WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	114	2980	1310	2000	2330	1170	212	131	1650	211	77
2	84	104	1270	902	1550	2280	1060	211	236	1170	172	78
3	75	99	1520	1180	723	2260	989	203	324	1540	148	79
4	71	97	1620	1640	473	4030	885	178	242	940	134	118
5	68	93	1030	1380	502	5550	677	171	194	427	111	104
6	67	92	653	1300	2000	3850	617	175	167	368	113	102
7	63	120	617	964	1120	1790	591	247	145	479	361	101
8	60	131	574	656	1210	1330	533	212	132	346	313	101
9	70	124	583	430	1630	1100	451	178	124	257	226	127
10	88	143	536	471	2560	1060	432	166	117	222	191	168
11	85	147	451	456	3600	2060	430	158	112	198	144	128
12	85	151	406	456	2210	2450	424	149	107	183	117	122
13	90	144	393	603	1410	2580	401	145	102	172	148	115
14	95	139	381	1480	1300	2290	388	153	98	155	276	113
15	80	121	2040	1200	1040	2020	378	160	96	172	482	109
16	70	107	2230	1090	1710	1770	346	160	106	383	539	107
17	66	101	1190	900	4050	2330	329	154	105	187	218	110
18	75	96	799	854	3830	1120	313	146	97	151	158	107
19	93	87	668	599	2080	971	302	140	97	136	127	109
20	98	95	1630	519	1410	1190	304	134	94	128	111	151
21	101	131	1720	437	2000	2510	339	129	92	122	102	134
22	101	139	1300	423	2780	1300	363	122	98	117	97	117
23	95	129	496	410	1770	1010	315	117	110	115	91	114
24	90	122	462	572	1270	1210	291	114	137	134	87	87
25	115	121	438	1280	1040	1120	291	110	194	122	151	73
26	117	122	462	4080	1080	1080	291	107	178	113	94	69
27	108	136	454	1580	1850	1040	263	105	151	191	106	75
28	99	137	432	936	2090	1170	245	108	726	471	114	82
29	136	284	443	802	2100	1410	226	120	1370	282	91	77
30	162	2110	1140	750	---	2320	218	119	1810	214	82	118
31	150	---	1500	1710	---	1170	---	126	---	182	78	---
TOTAL	2838	5736	30418	31370	52388	59701	13862	4729	7692	11327	5393	3172
MEAN	91.5	191	981	1012	1806	1926	462	153	256	365	174	106
MAX	162	2110	2980	4080	4050	5550	1170	247	1810	1650	539	168
MIN	60	87	381	410	473	971	218	105	92	113	78	69
CFSM	.11	.23	1.18	1.22	2.18	2.32	.56	.18	.31	.44	.21	.13
IN.	.13	.26	1.36	1.41	2.35	2.68	.62	.21	.34	.51	.24	.14

CAL YR 1975 TOTAL 401120 MEAN 1099 MAX 11200 MIN 53 CFSM 1.32 IN 17.98
WTR YR 1976 TOTAL 228626 MEAN 625 MAX 5550 MIN 60 CFSM .75 IN 10.25

03360500 White River at Newberry, Ind.

LOCATION.--Lat 38°55'42", long 87°01'00", in NE¼NE¼ sec.25, T.6 N., R.6 W., Greene County, on right bank 500 ft (152 m) upstream from bridge on State Highway 57 at Newberry, 2.3 miles (3.7 km) downstream from Doans Creek, and at mile 112.7 (181.3 km).

DRAINAGE AREA.--4,688 mi^2 (12,142 km^2).

PERIOD OF RECORD.--September 1928 to current year. Prior to October 1948, published as West Fork White River at Newberry.

GAGE.--Water-stage recorder. Datum of gage is 465.59 ft (141.912 m) above mean sea level. Prior to Oct. 21, 1928, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--48 years, 4,641 ft^3/s (131.4 m^3/s), 13.44 in/yr (341 mm/yr).

EXTREMES.--Current year: Maximum discharge, 24,100 ft^3/s (683 m^3/s) Feb. 23, gage height, 16.97 ft (5.172 m); minimum daily, 640 ft^3/s (18.1 m^3/s) Sept. 26.
Period of record: Maximum discharge, 76,900 ft^3/s (2,180 m^3/s) May 21, 1943, gage height, 24.19 ft (7.373 m); minimum daily, 200 ft^3/s (5.66 m^3/s) Oct. 1, 1941.
Maximum stage since at least 1875, 27.5 ft (8.38 m) Mar. 27, 1913, from floodmarks by Indiana State Highway Commission, discharge, 130,000 ft^3/s (3,680 m^3/s).

REMARKS.--Records good. Flow slightly regulated by upstream reservoirs.

REVISIONS (WATER YEARS).--WSP 873: 1937(M). WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	840	1440	9590	14100	6970	7060	6670	1970	1890	6220	1420	766
2	830	1280	10800	13300	6380	6790	5670	1910	2520	7350	1430	768
3	830	1180	8360	11000	5610	6490	5090	1860	3090	6050	1380	755
4	820	1120	6590	8910	4400	7180	4690	1800	3670	5560	1260	740
5	820	1080	5560	7730	3610	11700	4340	1740	3240	4540	1170	733
6	810	1030	4570	6480	3690	15300	3910	1710	2660	3490	1110	733
7	810	1360	3970	5710	6690	18100	3640	2040	2230	2970	1060	721
8	830	1910	3590	4900	5480	19400	3450	2230	1930	2860	2420	690
9	900	1970	3310	4230	4470	18600	3250	2230	1720	2460	2360	856
10	1400	2040	3150	3440	4700	14800	3030	1960	1560	2200	1750	970
11	1200	2090	2980	3160	6200	9440	2910	1830	1440	2030	1450	846
12	1070	2190	2730	3140	9010	8560	2820	1720	1360	1830	1270	875
13	980	2030	2530	3390	11300	9430	2740	1640	1280	1680	1550	885
14	940	1820	2420	7560	12200	9170	2680	1970	1190	2440	1830	812
15	920	1660	5440	8780	13300	8230	2580	2410	1120	4820	2900	755
16	910	1540	12000	7400	14000	7470	2500	2220	1100	5200	3050	722
17	905	1470	13000	6670	13200	6840	2430	2120	1080	3900	2540	680
18	900	1380	11600	5780	14900	6340	2360	1940	1040	3300	1900	658
19	1250	1300	9190	4890	16900	5720	2300	1780	1080	3200	1510	658
20	1800	1290	6790	4060	17900	5280	2240	1670	1200	2740	1300	672
21	1600	1360	5970	3540	19800	8090	2250	1590	1270	2320	1180	673
22	1480	1440	5440	3210	23000	10200	2400	1510	1200	2200	1090	673
23	1360	1490	4640	3030	23700	9010	2360	1430	1160	1840	1020	688
24	1260	1350	3550	3010	20100	7460	2240	1360	1240	1980	971	689
25	1210	1240	3100	3750	15000	6740	2230	1310	1460	1700	927	674
26	1180	1200	3470	10700	11500	5950	2330	1270	2360	1530	945	640
27	1130	1220	3750	13400	9010	5570	2370	1230	2540	1390	1030	653
28	1080	1240	3610	14100	8130	5890	2300	1220	3010	1350	883	707
29	1170	1340	3340	12400	7650	6150	2170	1240	3590	2630	860	767
30	1630	4060	6320	10700	---	7530	2060	1300	5930	1910	825	824
31	1550	---	11000	8010	---	8600	---	1660	---	1640	777	---
TOTAL	34415	47120	182360	220480	318800	283090	92010	53870	60160	95330	45168	22283
MEAN	1110	1571	5883	7112	10990	9132	3067	1738	2005	3075	1457	743
MAX	1800	4060	13000	14100	23700	19400	6670	2410	5930	7350	3050	970
MIN	810	1030	2420	3010	3610	5280	2060	1220	1040	1350	777	640
CFSM	.24	.34	1.25	1.52	2.34	1.95	.65	.37	.43	.66	.31	.16
IN.	.27	.37	1.45	1.75	2.53	2.25	.73	.43	.48	.76	.36	.18

CAL YR 1975 TOTAL 2236015 MEAN 6126 MAX 43700 MIN 810 CFSM 1.31 IN 17.74
WTR YR 1976 TOTAL 1455086 MEAN 3976 MAX 23700 MIN 640 CFSM .85 IN 11.55

03361000 Big Blue River at Carthage, Ind.

LOCATION.--Lat 39°44'38", long 85°34'33", in SW¼SW¼ sec.18, T.15 N., R.9 E., Rush County, on right bank 300 ft (91 m) upstream from highway bridge, 0.5 mile (0.8 km) northwest of Carthage, 2.2 miles (3.5 km) downstream from Three Mile Creek, and at mile 50.7 (81.6 km).

DRAINAGE AREA.--184 mi^2 (477 km^2)

PERIOD OF RECORD.--WATER DISCHARGE: October 1950 to current year. Prior to October 1961, published as Blue River at Carthage, Ind.
CHEMICAL ANALYSES: July 1973 to current year.
WATER TEMPERATURE: November 1974 to current year.

GAGE.--Water-stage recorder and multi-parameter monitor. Datum of gage is 859.33 ft (261.924 m) above mean sea level. Prior to July 19, 1951, nonrecording gage at site 300 ft (91 m) downstream at same datum.

AVERAGE DISCHARGE.--26 years, 196 ft^3/s (5.551 m^3/s), 14.46 in/yr (367 mm/yr).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	61	150	583	186	174	131	82	143	464	61	36
2	49	61	109	350	163	168	127	85	101	246	55	39
3	48	59	93	393	157	175	121	85	81	211	52	38
4	47	59	84	272	143	996	119	82	72	162	51	37
5	46	58	79	217	279	885	115	78	66	120	50	34
6	47	57	82	178	470	576	113	82	60	101	84	31
7	48	76	78	168	240	381	111	138	56	98	81	31
8	62	68	73	140	215	296	109	98	55	87	63	31
9	70	62	76	120	331	256	105	87	53	78	56	37
10	56	86	73	110	797	228	105	82	52	72	52	48
11	50	81	71	119	1240	218	107	80	49	68	50	38
12	49	72	71	111	585	228	103	77	47	325	50	34
13	51	63	86	297	453	451	102	75	44	155	94	30
14	52	66	82	698	393	266	102	79	42	111	74	31
15	52	63	437	323	313	224	100	81	40	104	69	31
16	52	59	472	238	502	215	98	81	47	160	57	32
17	60	58	253	186	986	203	95	76	48	105	51	36
18	107	58	182	153	922	189	91	75	44	87	47	36
19	113	58	147	140	631	184	91	72	72	79	46	33
20	93	60	133	130	422	186	97	69	57	75	44	34
21	78	63	115	123	537	583	95	67	52	74	43	34
22	70	57	101	117	654	340	95	65	52	75	40	33
23	66	55	99	113	400	251	90	63	63	72	40	31
24	63	54	93	116	312	214	88	62	102	66	39	30
25	65	57	91	586	267	194	107	63	117	62	41	30
26	62	56	115	2220	238	175	100	62	86	58	45	35
27	60	60	104	829	214	173	90	61	69	68	41	52
28	61	56	96	441	197	152	86	62	79	66	39	46
29	68	68	93	305	185	146	85	66	159	75	37	40
30	65	115	493	244	---	146	83	71	1060	65	35	40
31	62	---	736	204	---	135	---	222	---	71	35	---
TOTAL	1922	1926	4967	10024	12432	9008	3061	2528	3068	3660	1622	1068
MEAN	62.0	64.2	160	323	429	291	102	81.5	102	118	52.3	35.6
MAX	113	115	736	2220	1240	996	131	222	1060	464	94	52
MIN	46	54	71	110	143	135	83	61	40	58	35	30
CFSM	.34	.35	.87	1.76	2.33	1.58	.55	.44	.55	.64	.28	.19
IN.	.39	.39	1.00	2.03	2.51	1.82	.62	.51	.62	.74	.33	.22

CAL YR 1975 TOTAL 86500 MEAN 237 MAX 3830 MIN 43 CFSM 1.29 IN 17.49
WTR YR 1976 TOTAL 55286 MEAN 151 MAX 2220 MIN 30 CFSM .82 IN 11.18

PEAK DISCHARGE (BASE, 2,000 FT^3/S).--Jan. 26 (1200) 2,760 ft^3/s (8.30 ft).

03361000 Big Blue River at Carthage, Ind.--Continued

EXTREMES.--WATER DISCHARGE, Current year: Maximum discharge, 2,760 ft^3/s (78.2 m^3/s) Jan. 26, gage height, 8.30 ft (2.530 m); minimum daily, 30 ft^3/s (0.850 m^3/s) Sept. 13, 24, 25.
Period of record: Maximum discharge, 12,900 ft^3/s (365 m^3/s) Mar. 4, 1963, gage height, 14.62 ft (4.456 m), from floodmarks, from rating curve extended above 6,200 ft^3/s (176 m^3/s); minimum daily, 18 ft^3/s (0.51 m^3/s) Sept. 18, 1955.

SPECIFIC CONDUCTANCE, Current year: Maximum conductance, 801 micromhos Jan. 25; minimum, 114 micromhos Jan. 27.
Period of record: Maximum conductance, 893 micromhos Jan. 24, 1975; minimum, 114 micromhos Jan. 27, 1976.

WATER TEMPERATURE, Current year: Maximum temperature, 26.5°C July 11; minimum, freezing point on several days during winter period.
Period of record: Maximum temperature, 26.5°C July 11, 1976; minimum, freezing point on several days during winter period.

REMARKS.--Water discharge records good. Monitored conductance and temperature records fair.

REVISIONS.--WSP 2109: Drainage area.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	CARBON DIOXIDE (CO2) (MG/L)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT. 04...	1245	11.5	48	2	690	8.1	4.7	301	367	0
NOV. 10...	1315	14.5	87	2	640	8.2	3.5	281	342	0
DEC. 11...	1500	5.0	69	5	755	8.3	3.0	302	368	0
JAN. 16...	1330	3.0	229	1	485	8.0	4.3	221	269	0
MAR. 03...	1515	14.5	153	2	677	8.1	4.2	270	329	0
APR. 02...	1430	11.0	126	9	655	8.4	2.1	276	336	0
MAY 07...	1445	14.0	128	12	520	7.7	8.5	218	266	0
JUNE 16...	1600	21.0	49	1	816	8.0	5.5	281	343	0
JULY 09...	1400	22.0	77	2	680	8.2	3.3	265	323	0
AUG. 20...	1430	22.0	45	2	690	8.2	3.4	276	337	0
SEP. 30...	1430	15.5	39	3	780	8.0	5.6	285	348	0

DATE	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO PHOSPHATE (PO4) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)
OCT. 04...	.07	3.0	3.1	.03	.16	.01	370	72	100	30
NOV. 10...	.01	2.8	2.8	.40	.29	.13	340	59	88	29
DEC. 11...	.03	3.3	3.3	.25	.12	.08	370	68	92	34
JAN. 16...	.06	3.9	4.0	.06	.13	.02	260	42	64	25
MAR. 03...	.11	3.1	3.2	.28	.12	.09	350	83	92	30
APR. 02...	.10	3.1	3.2	.15	.08	.05	350	77	90	31
MAY 07...	.16	1.8	2.0	.31	.19	.10	300	82	79	25
JUNE 16...	.17	>4.9	>5.1	.37	--	.12	360	75	90	32
JULY 09...	.09	3.6	3.7	.18	.12	.06	360	91	88	33
AUG. 20...	.05	2.1	2.1	.25	.11	.08	350	77	92	30
SEP. 30...	.07	3.2	3.3	.37	.16	.12	350	68	92	30

03361000 Big Blue River at Carthage, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
OCT.										
04...	29	.7	14	2.5	41	60	.7	8.2	260	30
NOV.										
10...	19	.5	11	2.8	27	57	.5	6.1	460	30
DEC.										
11...	22	.5	11	2.3	29	69	.4	8.4	230	10
JAN.										
16...	11	.3	8	2.2	20	53	.2	7.5	880	30
MAR.										
03...	14	.3	8	1.8	24	54	.4	7.5	410	30
APR.										
02...	17	.4	9	1.8	27	58	.4	6.4	300	80
MAY										
07...	22	.6	14	2.6	29	53	.0	6.2	600	40
JUNE										
16...	30	.7	15	2.6	37	65	.5	11	350	80
JULY										
09...	18	.4	10	2.5	27	52	.3	9.6	480	20
AUG.										
20...	28	.6	15	2.4	41	64	.5	7.4	170	80
SEP.										
30...	34	.8	17	2.9	45	64	.6	11	180	60

DATE	SUS-PENDED MAN-GANESE (MN) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS_ SOLVED NITRATE (NO3) (MG/L)	DIS_ SOLVED NITRITE (NO2) (MG/L)
OCT.									
04...	10	60	50	489	466	63.4	.67	13	.23
NOV.									
10...	50	90	40	418	411	98.2	.57	12	.03
DEC.									
11...	0	40	40	466	453	86.8	.63	14	.10
JAN.									
16...	20	70	50	353	333	218	.48	17	.20
MAR.									
03...	10	60	50	393	400	162	.53	14	.36
APR.									
02...	0	60	60	404	412	137	.55	14	.33
MAY									
07...	50	110	60	363	357	125	.49	8.1	.53
JUNE									
16...	20	80	60	524	460	69.3	.71	>22	.56
JULY									
09...	20	60	40	418	406	86.9	.57	16	.30
AUG.									
20...	20	60	40	490	441	59.5	.67	9.1	.16
SEP.									
30...	10	40	30	472	466	49.7	.64	14	.23

03361000 Big Blue River at Carthage, Ind.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	696	655	731	719	649	557	482	396	645	611	---	---
2	702	681	731	716	698	652	523	486	657	628	---	---
3	695	684	731	719	723	698	523	502	678	645	---	---
4	750	691	731	705	731	701	---	---	688	663	---	---
5	---	---	738	712	731	705	---	---	691	442	---	---
6	---	---	746	712	731	705	---	---	---	---	---	---
7	746	716	757	694	731	687	---	---	550	463	---	---
8	753	665	753	640	687	681	---	---	615	548	---	---
9	716	646	705	668	727	684	---	---	578	463	---	---
10	---	---	705	671	738	723	---	---	---	---	---	---
11	---	---	677	600	727	705	---	---	---	---	585	565
12	---	---	731	681	723	716	---	---	---	---	590	554
13	---	---	742	723	734	698	---	---	---	---	517	358
14	---	---	742	716	---	---	---	---	---	---	547	510
15	---	---	753	719	628	376	---	---	---	---	579	550
16	---	---	757	719	566	463	568	553	---	---	594	572
17	---	---	734	701	605	569	633	571	---	---	625	582
18	---	---	738	694	640	597	620	593	---	---	602	585
19	---	---	738	731	668	625	628	599	---	---	610	593
20	---	---	738	716	684	668	642	612	---	---	610	553
21	---	---	765	723	671	655	664	626	---	---	552	440
22	742	716	750	719	677	655	664	640	---	---	545	486
23	746	719	753	734	701	658	682	640	---	---	573	547
24	753	719	750	727	709	694	775	655	---	---	591	575
25	742	719	742	716	694	665	801	252	---	---	600	587
26	746	712	753	723	658	628	252	200	---	---	615	594
27	716	691	734	719	655	628	414	114	---	---	611	604
28	746	694	734	698	661	643	487	418	---	---	616	607
29	746	719	709	658	661	628	544	490	---	---	614	607
30	746	694	681	608	622	235	583	542	---	---	627	608
31	727	705	---	---	411	137	622	581	---	---	---	---
MONTH	---	---	765	600	738	137	---	---	---	---	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	664	638	---	---	---	---	---	---		
2	---	---	660	650	---	---	---	---	---	---		
3	---	---	650	624	---	---	---	---	---	---		
4	725	689	640	608	---	---	---	---	---	---		
5	707	686	653	633	---	---	---	---	---	---		
6	709	682	650	630	---	---	---	---	---	---		
7	703	679	639	560	---	---	---	---	---	---		
8	705	672	652	594	---	---	---	---	---	---		
9	702	672	687	643	750	719	613	600	---	---		
10	692	666	671	646	734	712	612	478	---	---		
11	---	---	694	665	731	712	611	187	---	---		
12	---	---	687	671	746	719	454	189	---	---		
13	---	---	691	665	746	723	525	463	631	620		
14	---	---	691	681	738	712	---	---	648	636		
15	---	---	694	665	753	723	---	---	668	499		
16	---	---	694	671	765	742	---	---	687	671		
17	---	---	677	649	778	719	---	---	756	686		
18	---	---	684	658	742	709	---	---	---	---		
19	649	620	709	674	770	691	---	---	---	---		
20	689	611	705	684	681	584	---	---	693	686		
21	676	651	709	691	684	649	---	---	711	678		
22	682	644	712	681	719	681	---	---	---	---		
23	659	638	---	---	738	600	---	---	---	---		
24	672	643	709	681	---	---	---	---	716	675		
25	668	640	---	---	---	---	---	---	---	---		
26	633	577	---	---	---	---	---	---	---	---		
27	661	624	---	---	---	---	---	---	---	---		
28	664	642	---	---	---	---	---	---	---	---		
29	667	635	---	---	---	---	---	---	---	---		
30	678	644	---	---	---	---	---	---	---	---		
31	---	---	---	---	---	---	---	---	---	---		
MONTH	---	---	---	---	---	---	---	---	---	---		

03361000 Big Blue River at Carthage, Ind.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	15.5	13.5	11.5	9.0	7.0	4.0	4.0	3.0	5.0	2.5	---	---
2	13.5	11.5	14.0	11.5	5.0	3.5	5.0	4.0	2.5	0.5	---	---
3	12.0	9.5	14.0	12.5	6.0	4.5	4.5	1.5	3.0	0.5	---	---
4	13.5	9.5	15.5	13.0	7.0	4.5	---	---	4.5	2.0	---	---
5	---	---	16.0	13.5	9.0	6.0	---	---	4.5	2.0	---	---
6	---	---	16.5	13.5	10.0	7.0	---	---	2.5	1.5	---	---
7	15.5	12.0	16.5	15.0	7.0	5.0	---	---	2.5	0.5	---	---
8	14.5	13.5	17.0	15.0	6.0	5.0	---	---	5.0	2.0	---	---
9	16.5	13.5	16.5	14.5	6.0	5.0	---	---	5.5	3.5	---	---
10	---	---	16.0	11.5	5.0	4.0	---	---	---	---	---	---
11	---	---	11.5	9.5	6.0	4.0	---	---	---	---	10.0	9.0
12	---	---	11.5	9.5	7.0	6.0	---	---	---	---	11.0	9.0
13	---	---	9.0	6.0	10.5	7.0	---	---	---	---	10.0	6.0
14	---	---	7.0	5.0	---	---	---	---	---	---	8.5	5.0
15	---	---	6.5	4.5	12.0	7.0	---	---	---	---	9.5	7.0
16	---	---	9.0	6.0	7.0	5.0	3.0	1.5	---	---	9.0	6.5
17	---	---	9.5	7.0	5.5	1.5	1.0	0.0	---	---	7.0	4.5
18	---	---	9.5	7.0	2.0	0.0	0.5	0.0	---	---	9.5	6.0
19	---	---	10.0	7.0	1.5	0.0	1.0	0.0	---	---	12.0	9.0
20	---	---	10.0	9.0	2.5	1.0	3.0	1.0	---	---	14.0	11.5
21	---	---	8.5	6.0	3.0	1.0	1.5	0.0	---	---	13.0	9.5
22	15.5	13.0	7.0	5.5	2.0	0.0	2.0	0.0	---	---	9.5	7.0
23	16.0	13.5	6.0	4.5	3.0	1.0	3.5	0.0	---	---	11.5	7.5
24	17.0	13.5	5.0	4.5	3.5	1.5	5.0	3.0	---	---	13.0	9.5
25	16.0	11.5	5.5	4.5	4.0	2.5	4.5	2.0	---	---	14.0	11.5
26	12.0	10.0	4.5	3.0	3.5	2.5	2.0	1.5	---	---	16.5	12.5
27	11.5	9.0	4.0	3.0	4.5	3.5	2.5	1.0	---	---	15.5	12.0
28	12.5	10.5	4.5	3.0	4.0	3.5	3.5	1.0	---	---	14.0	10.0
29	12.5	9.5	7.5	4.0	5.5	4.0	5.0	3.5	---	---	13.5	11.5
30	10.5	8.5	10.0	7.0	5.0	3.0	4.5	4.0	---	---	16.0	12.0
31	10.0	7.0	---	---	4.0	3.5	5.0	4.5	---	---	---	---
MONTH	---	---	17.0	3.0	12.0	0.0	---	---	---	---	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	15.5	13.5	---	---	---	---	---	---		
2	---	---	15.0	12.5	---	---	---	---	---	---		
3	---	---	12.5	10.5	---	---	---	---	---	---		
4	15.0	11.5	14.5	9.0	---	---	---	---	---	---		
5	13.5	9.0	17.0	12.0	---	---	---	---	---	---		
6	15.0	10.0	16.5	15.0	---	---	---	---	---	---		
7	15.5	11.5	16.5	13.5	---	---	---	---	---	---		
8	14.5	11.5	16.0	12.0	---	---	---	---	---	---		
9	13.5	9.5	17.0	12.0	24.0	19.5	23.5	22.5	---	---		
10	14.0	9.5	18.5	14.0	23.5	20.0	24.0	21.0	---	---		
11	---	---	19.0	15.0	25.0	20.5	26.5	17.0	---	---		
12	---	---	18.0	13.5	25.5	21.5	24.0	19.5	---	---		
13	---	---	19.0	14.0	25.0	22.5	22.5	18.5	23.0	19.0		
14	---	---	18.5	17.0	26.0	23.0	---	---	22.5	18.5		
15	---	---	20.0	17.5	24.5	22.5	---	---	---	---		
16	---	---	19.5	17.5	22.5	19.5	---	---	23.0	19.0		
17	---	---	18.0	15.5	24.0	18.5	---	---	21.5	19.5		
18	---	---	18.0	13.5	24.0	20.5	---	---	---	---		
19	20.0	17.5	18.0	13.5	22.5	19.5	---	---	---	---		
20	20.0	17.0	20.0	15.0	21.0	18.5	---	---	23.0	21.0		
21	19.0	17.0	22.0	17.5	21.0	18.5	---	---	23.0	19.0		
22	19.5	15.5	20.5	17.0	19.5	18.0	---	---	---	---		
23	20.0	16.5	---	---	20.0	17.5	---	---	---	---		
24	19.5	17.0	18.5	15.0	---	---	---	---	20.0	17.0		
25	18.0	13.5	---	---	---	---	---	---	---	---		
26	13.5	11.5	---	---	---	---	---	---	---	---		
27	12.0	9.5	---	---	---	---	---	---	---	---		
28	13.5	9.0	---	---	---	---	---	---	---	---		
29	15.5	10.5	---	---	---	---	---	---	---	---		
30	16.5	12.0	---	---	---	---	---	---	---	---		
31	---	---	---	---	---	---	---	---	---	---		
MONTH	---	---	---	---	---	---	---	---	---	---		

03361500 Big Blue River at Shelbyville, Ind.

LOCATION.--Lat 39°31'45", long 85°46'55", in SE¼SE¼ sec.31, T.13 N., R.7 E., Shelby County, on left bank 0.2 mile (0.3 km) downstream from bridge on U.S. Highway 421 at Shelbyville, 0.6 mile (1.0 km) downstream from Little Blue River, and at mile 23.9 (38.4 km).

DRAINAGE AREA.--421 mi² (1,090 km²).

PERIOD OF RECORD.--WATER DISCHARGE: September 1943 to current year. Prior to October 1961, published as Blue River at Shelbyville.
SEDIMENT DISCHARGE: July 1968 to current year (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 737.67 ft (224.842 m) above mean sea level. Prior to Oct. 1, 1953, nonrecording gage at bridge 0.2 mile (0.3 km) upstream at datum 3.5 ft (1.07 m) higher.

AVERAGE DISCHARGE.--33 years, 458 ft³/s (12.96 m³/s), 14.77 in/yr (375 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,990 ft³/s (113 m³/s) Jan. 26, gage height, 11.78 ft (3.591 m); minimum daily, 45 ft³/s (1.27 m³/s) Sept. 24, 25.
Period of record: Maximum discharge, 15,800 ft³/s (447 m³/s) Mar. 5, 1963, gage height, 17.70 ft (5.395 m); minimum daily, 32 ft³/s (0.91 m³/s) Oct. 2, 1953.
Flood in March 1913 reached a stage of about 20.2 ft (6.16 m), from floodmarks.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1505: 1944. WSP 1909: 1959(M). WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	103	384	2120	432	413	279	154	489	1700	123	64
2	70	101	303	1360	360	388	267	156	313	883	111	65
3	69	100	218	1180	306	439	254	157	223	814	101	65
4	69	97	180	939	280	1390	246	152	183	591	97	64
5	69	98	158	500	273	2070	237	148	157	431	93	61
6	68	97	156	460	778	1550	230	150	141	341	143	58
7	67	117	161	419	502	1000	225	183	130	302	246	55
8	90	131	153	290	371	765	217	201	123	283	162	53
9	97	121	149	257	547	630	209	168	116	242	125	66
10	94	164	143	230	923	548	204	154	111	210	117	68
11	82	196	136	250	1850	503	206	147	107	195	101	71
12	77	178	130	242	1370	485	201	143	103	443	97	61
13	76	150	131	292	908	789	194	138	99	490	119	56
14	77	132	144	1650	854	644	193	143	94	295	177	52
15	78	125	755	1030	722	518	192	146	90	220	156	52
16	79	117	1680	652	1110	473	189	147	91	255	135	52
17	90	111	1030	442	2130	451	184	143	95	250	115	53
18	126	106	642	320	2460	415	179	136	101	199	101	55
19	193	104	420	270	1970	400	175	131	120	173	93	52
20	201	107	346	250	1290	397	176	126	127	159	89	50
21	161	109	279	230	1230	922	178	122	114	152	85	49
22	138	106	231	220	1740	887	179	117	109	183	83	49
23	123	101	209	217	1160	593	170	112	114	181	79	47
24	112	97	192	226	874	490	165	110	137	150	76	45
25	105	97	183	507	729	432	179	108	228	136	74	45
26	101	99	333	3410	621	388	193	107	222	123	76	53
27	100	105	327	2400	538	372	173	105	167	126	76	74
28	97	103	255	1550	485	341	163	106	151	146	73	73
29	108	110	220	960	445	314	159	107	176	138	69	65
30	106	220	941	669	---	317	156	130	1640	135	65	64
31	107	---	2200	506	---	297	---	461	---	126	64	---
TOTAL	3100	3602	12789	24048	27258	19621	5972	4608	6071	10072	3321	1737
MEAN	100	120	413	776	940	633	199	149	202	325	107	57.9
MAX	201	220	2200	3410	2460	2070	279	461	1640	1700	246	74
MIN	67	97	130	217	273	297	156	105	90	123	64	45
CFSM	.24	.29	.98	1.84	2.23	1.50	.47	.35	.48	.77	.25	.14
IN.	.27	.32	1.13	2.12	2.41	1.73	.53	.41	.54	.89	.29	.15

CAL YR 1975 TOTAL 185625 MEAN 509 MAX 8470 MIN 58 CFSM 1.21 IN 16.40
WTR YR 1976 TOTAL 122199 MEAN 334 MAX 3410 MIN 45 CFSM .79 IN 10.80

PEAK DISCHARGE (BASE, 3,400 FT³/S) Jan. 26 (2100) 3,990 ft³/s (11.78 ft).

03361500 Big Blue River at Shelbyville, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
FEB.					
10...	1145	5.0	995	94	253
JULY					
02...	1245	30.0	828	123	275

03361650 Sugar Creek at New Palestine, Ind.

LOCATION.--Lat 39°42'51", long 85°53'08", in SE¼SW¼ sec.29, T.15 N., R.6 E., Hancock County, on left bank 10 ft (3 m) downstream from bridge on County Road 450 West, 0.5 mile (0.8 km) south of New Palestine, 3.1 miles (5.0 km) (revised) upstream from Little Sugar Creek, and 37.3 miles (60.0 km) upstream from mouth.

DRAINAGE AREA.--93.9 mi^2 (243.2 km^2).

PERIOD OF RECORD.--October 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 786.00 ft (239.573 m) above mean sea level.

AVERAGE DISCHARGE.--9 years, 104 ft^3/s (2.945 m^3/s), 15.04 in/yr (382 mm/yr).

EXTREMES.--Current year: Maximum discharge, 797 ft^3/s (22.6 m^3/s) Jan. 26, gage height, 6.96 ft (2.121 m); minimum daily, 4.6 ft^3/s (0.13 m^3/s) Sept. 8, 23, 25.
Period of record: Maximum discharge, 1,850 ft^3/s (52.4 m^3/s) June 23, 1974, gage height, 9.12 ft (2.780 m); maximum gage height, 9.34 ft (2.847 m) Feb. 2, 1968; minimum daily discharge, 3.2 ft^3/s (0.091 m^3/s) Oct. 7, 1970.

REMARKS.--Records fair. Daily discharges for water year 1975 have been revised. See Table of Revised Data.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	9.6	78	329	64	77	57	21	150	350	18	6.2
2	6.2	9.2	60	234	54	71	55	22	100	270	16	6.2
3	7.3	9.2	39	225	47	67	52	21	70	345	14	6.2
4	5.6	9.2	28	122	43	227	49	20	49	158	13	5.9
5	5.9	8.8	21	92	41	476	47	19	38	92	13	5.6
6	6.9	9.2	20	109	200	463	44	21	30	83	73	5.2
7	6.9	24	19	80	170	280	43	39	24	64	104	4.9
8	9.6	17	17	49	130	200	40	33	21	50	41	4.6
9	11	14	16	76	140	159	39	34	19	34	26	6.2
10	9.2	33	15	70	225	128	37	28	17	27	20	6.9
11	9.2	24	14	68	420	113	36	24	15	23	17	5.9
12	8.8	16	13	58	388	112	34	22	14	240	16	5.6
13	7.3	12	19	177	264	109	33	21	13	400	51	5.2
14	7.3	10	20	210	225	92	32	24	12	233	73	4.9
15	6.2	8.8	251	145	192	81	32	24	12	117	62	5.9
16	5.6	8.4	264	105	229	80	32	24	11	80	39	7.3
17	8.8	7.6	202	83	388	78	33	24	10	60	30	7.3
18	18	7.3	116	70	433	73	31	21	10	49	24	7.3
19	22	6.9	78	59	340	71	30	19	25	41	18	6.9
20	17	7.6	71	52	252	80	28	19	21	36	15	6.6
21	14	8.4	53	48	241	200	30	17	17	31	11	5.9
22	13	7.6	47	43	270	225	30	16	15	43	10	4.9
23	13	7.3	47	40	230	159	27	15	17	30	9.2	4.6
24	11	6.9	39	51	174	121	25	14	78	25	7.6	4.9
25	11	7.3	34	270	146	104	30	15	108	21	8.0	4.6
26	10	6.9	43	608	124	89	30	14	61	19	8.0	6.2
27	9.6	8.4	38	474	105	83	28	13	37	19	8.0	8.4
28	9.2	7.6	34	225	92	75	24	13	60	21	7.3	8.4
29	11	13	33	135	84	67	23	14	250	21	6.2	8.0
30	11	82	182	98	---	68	21	14	440	19	5.9	8.8
31	9.6	---	312	80	---	63	---	100	---	18	6.2	---
TOTAL	306.8	407.2	2223	4485	5711	4291	1052	725	1744	3019	770.4	185.5
MEAN	9.90	13.6	71.7	145	197	138	35.1	23.4	58.1	97.4	24.9	6.18
MAX	22	82	312	608	433	476	57	100	440	400	104	8.8
MIN	5.6	6.9	13	40	41	63	21	13	10	18	5.9	4.6
CFSM	.11	.14	.76	1.54	2.10	1.47	.37	.25	.62	1.04	.27	.07
IN.	.12	.16	.88	1.78	2.26	1.70	.42	.29	.69	1.20	.31	.07

CAL YR 1975 TOTAL 39235.0 MEAN 99.2 MAX 1430 MIN 5.2 CFSM 1.06 IN 14.39
WTR YR 1976 TOTAL 24919.9 MEAN 68.1 MAX 608 MIN 4.6 CFSM .73 IN 9.87

PEAK DISCHARGE (BASE, 950 FT^3/S).--There were no peaks above the base.

03361850 Buck Creek at Acton, Ind.

LOCATION.--Lat 39°39'25", long 85°57'27", in NW¼SE¼ sec.15, T.14 N., R.5 E., Marion County, on left bank 30 ft (9 m) downstream from McGregor Road bridge, 0.5 mile (0.8 km) east of Acton, and 4.1 miles (6.6 km) upstream from mouth.

DRAINAGE AREA.--78.8 mi^2 (204.1 km^2).

PERIOD OF RECORD.--October 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 757.00 ft (230.734 m) above mean sea level.

AVERAGE DISCHARGE.--9 years, 93.0 ft^3/s (2.634 m^3/s), 16.03 in/yr (407 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,630 ft^3/s (46.2 m^3/s) Jan. 26, gage height, 9.11 ft (2.777 m); minimum daily, 2.9 ft^3/s (0.082 m^3/s) Oct. 16.
Period of record: Maximum discharge, 5,300 ft^3/s (150 m^3/s) July 20, 1969, gage height, 14.99 ft (4.569 m); minimum daily, 0.60 ft^3/s (0.017 m^3/s) Oct. 1, 4, 1967.

REMARKS.--Records fair above 20 ft^3/s (0.6 m^3/s) and poor below. No gage-height record Jan. 27 to Feb. 26. Records poor for this period.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	5.1	161	502	46	58	45	11	68	301	8.6	4.1
2	6.6	4.8	74	259	41	52	38	13	50	200	8.0	6.6
3	6.2	4.5	48	302	38	48	32	12	35	353	7.6	6.4
4	5.8	4.3	34	179	36	212	31	12	23	136	7.4	6.1
5	5.5	4.2	23	104	90	284	26	11	18	84	9.8	5.9
6	5.2	5.1	22	74	58	187	28	11	14	62	83	5.7
7	4.8	18	26	60	48	130	26	58	12	57	116	5.6
8	4.7	21	20	52	52	101	23	26	11	42	65	5.4
9	30	17	19	53	60	87	19	17	12	31	38	13
10	10	56	17	50	168	74	13	15	11	24	26	28
11	6.0	40	16	42	123	75	13	13	10	20	19	13
12	4.3	21	15	40	96	76	18	11	13	179	14	11
13	3.8	14	41	263	118	112	18	19	13	114	119	9.0
14	3.4	10	44	388	105	75	15	34	12	66	85	8.0
15	3.1	8.7	633	99	95	60	14	33	12	42	72	7.0
16	2.9	7.4	390	73	228	62	16	25	17	39	48	17
17	6.9	6.5	170	59	470	64	13	20	17	22	31	12
18	38	6.0	100	51	405	56	13	14	13	15	21	10
19	43	5.4	71	45	320	52	13	11	19	12	15	7.0
20	16	8.3	57	41	228	56	18	10	17	11	11	6.0
21	10	16	41	39	212	288	18	9.3	14	7.9	9.2	9.0
22	7.0	11	31	37	296	147	15	8.8	9.8	56	8.4	5.2
23	5.6	6.5	26	35	178	101	14	8.4	30	21	7.8	7.0
24	4.0	4.9	20	49	126	82	16	8.2	73	11	8.0	17
25	5.4	5.8	19	540	109	69	27	8.5	82	7.7	8.4	7.0
26	4.8	7.7	43	1040	93	59	34	8.3	47	6.9	9.1	12
27	4.2	9.1	35	820	81	76	20	8.2	30	9.1	8.2	16
28	4.0	11	26	230	72	64	14	10	109	12	8.6	17
29	6.5	25	23	115	66	56	12	22	133	11	8.0	10
30	13	242	415	79	---	72	11	19	596	9.3	7.2	7.3
31	6.5	---	636	53	---	55	---	52	---	8.8	6.6	---
TOTAL	284.5	606.3	3296	5773	4058	2990	613	538.7	1520.8	1970.7	893.9	294.3
MEAN	9.18	20.2	106	186	140	96.5	20.4	17.4	50.7	63.6	28.8	9.81
MAX	43	242	636	1040	470	288	45	58	596	353	119	28
MIN	2.9	4.2	15	35	36	48	11	8.2	9.8	6.9	6.6	4.1
CFSM	.12	.26	1.35	2.36	1.78	1.22	.26	.22	.64	.81	.37	.12
IN.	.13	.29	1.56	2.73	1.92	1.41	.29	.25	.72	.93	.42	.14

CAL YR 1975 TOTAL 36927.60 MEAN 102 MAX 2210 MIN 2.0 CFSM 1.29 IN 17.51
WTR YR 1976 TOTAL 22839.20 MEAN 62.4 MAX 1040 MIN 2.9 CFSM .79 IN 10.78

PEAK DISCHARGE (BASE, 1,000 FT^3/S).--Dec. 15 (1730) 1,090 ft^3/s (7.98 ft); Jan. 26 (0315) 1,630 ft^3/s (9.11 ft).

03362000 Youngs Creek near Edinburg, Ind.

LOCATION.--Lat 39°25'08", long 86°00'18", in SE¼SW¼ sec.5, T.11 N., R.5 E., Johnson County, on left bank on upstream side of highway bridge, 0.5 mile (0.8 km) southwest of Amity, 2.0 miles (3.2 km) upstream from mouth, and 5 miles (8 km) northwest of Edinburg.

DRAINAGE AREA.--107 mi^2 (277 km^2).

PERIOD OF RECORD.--October 1942 to current year. Prior to December 1942 monthly discharge only, published in WSP 1305.

GAGE.--Water-stage recorder. Datum of gage is 670.20 ft (204.277 m) above mean sea level. Prior to June 30, 1955, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--34 years, 106 ft^3/s (3.002 m^3/s), 13.45 in/yr (342 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,350 ft^3/s (38.2 m^3/s) Jan. 26, gage height, 6.63 ft (2.021 m); minimum daily, 3.5 ft^3/s (0.099 m^3/s) Sept. 22-24.
Period of record: Maximum discharge, 10,700 ft^3/s (303 m^3/s) Jan. 27, 1952, gage height, 13.4 ft (4.08 m); minimum daily, 0.5 ft^3/s (0.014 m^3/s) Sept. 29, Oct. 20, 21, 1953.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1335: 1944. WSP 1909: 1958. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	32	438	853	66	71	70	18	166	144	7.2	5.4
2	5.0	26	213	443	56	64	61	18	127	84	6.1	5.7
3	5.1	24	142	450	49	79	54	19	67	52	5.4	5.4
4	4.4	23	115	282	46	700	53	17	45	39	5.0	5.0
5	4.6	21	91	184	45	607	49	16	35	33	5.0	4.4
6	4.2	21	85	151	53	323	47	16	27	67	207	3.8
7	4.8	39	82	108	41	203	46	36	25	36	89	4.4
8	16	65	77	83	45	149	43	27	23	27	32	4.7
9	35	45	75	71	48	125	40	19	21	23	19	10
10	22	179	67	63	57	106	39	17	19	19	14	12
11	14	163	62	56	136	106	42	16	18	17	11	8.4
12	8.7	98	57	76	108	111	40	15	16	20	9.7	6.1
13	7.7	65	54	208	109	136	37	15	15	16	12	4.4
14	7.4	50	53	676	122	104	36	23	14	14	41	4.4
15	6.8	42	622	255	112	89	35	36	12	12	47	4.1
16	6.8	38	800	170	411	89	33	51	13	19	23	4.7
17	14	33	363	119	584	88	30	34	12	19	16	4.7
18	95	30	213	88	788	81	28	27	12	12	12	4.4
19	109	28	145	71	415	78	27	22	51	10	9.7	3.8
20	91	30	119	58	244	84	25	19	41	8.8	8.8	3.8
21	60	38	87	52	398	353	28	18	22	8.8	7.6	3.8
22	43	31	73	48	427	172	27	16	22	11	6.8	3.5
23	33	26	69	55	221	126	24	14	23	9.2	6.4	3.5
24	26	24	60	110	166	111	22	14	79	7.6	6.8	3.5
25	23	25	58	450	134	95	24	13	84	6.8	6.8	3.8
26	21	25	135	1050	114	83	25	13	47	12	7.2	4.4
27	20	28	112	329	93	93	22	12	29	12	6.8	20
28	19	27	85	196	82	77	20	13	67	16	7.2	19
29	34	58	76	144	75	72	19	15	142	10	6.1	11
30	55	442	578	118	---	102	19	16	237	11	5.0	20
31	39	---	899	93	---	84	---	187	---	8.8	5.0	---
TOTAL	839.7	1776	6105	7110	5245	4761	1065	792	1511	785.0	651.6	202.1
MEAN	27.1	59.2	197	229	181	154	35.5	25.5	50.4	25.3	21.0	6.74
MAX	109	442	899	1050	788	700	70	187	237	144	207	20
MIN	4.2	21	53	48	41	64	19	12	12	6.8	5.0	3.5
CFSM	.25	.55	1.84	2.14	1.69	1.44	.33	.24	.47	.24	.20	.06
IN.	.29	.62	2.12	2.47	1.82	1.66	.37	.28	.53	.27	.23	.07

CAL YR 1975 TOTAL 50437.9 MEAN 138 MAX 2900 MIN 3.0 CFSM 1.29 IN 17.54
WTR YR 1976 TOTAL 30843.4 MEAN 84.3 MAX 1050 MIN 3.5 CFSM .79 IN 10.72

PEAK DISCHARGE (BASE, 1,300 FT^3/S).--Jan. 26 (0445) 1,350 ft^3/s (6.63 ft).

03362500 Sugar Creek near Edinburg, Ind.

LOCATION.--Lat 39°21'39", long 85°59'51", in SW¼SE¼ sec.29, T.11 N., R.5 E., Johnson County, on left bank 50 ft (15 m) upstream from highway bridge in Camp Atterbury, 1.2 miles (1.9 km) upstream from confluence with Blue River, 1.5 miles (2.4 km) northwest of Edinburg, and at mile 1.3 (2.1 km).

DRAINAGE AREA.--474 mi^2 (1,228 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: October 1942 to current year. Prior to February 1943 monthly discharge only, published in WSP 1305.
SEDIMENT DISCHARGE: July 1968 to current year (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 646.23 ft (196.971 m) above mean sea level. Prior to Oct. 1, 1952, nonrecording gage on downstream side of old highway bridge, 100 ft (30 m) downstream at same datum.

AVERAGE DISCHARGE.--34 years, 485 ft^3/s (13.73 m^3/s), 13.91 in/yr (353 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,090 ft^3/s (116 m^3/s) Jan. 27, gage height, 9.98 ft (3.042 m); minimum daily, 35 ft^3/s (0.99 m^3/s) Sept. 24.
Period of record: Maximum discharge, 27,600 ft^3/s (782 m^3/s) May 29, 1956, gage height, 18.38 ft (5.602 m); minimum daily, 9.2 ft^3/s (0.26 m^3/s) Sept. 19, 1954.

REMARKS.--Records good.

REVISIONS.--WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	84	1390	3470	451	384	321	110	757	1630	100	51
2	44	76	756	2280	370	348	291	108	561	1010	95	49
3	45	72	496	1800	332	338	266	108	346	902	90	49
4	42	67	366	1440	290	1270	252	105	243	674	83	49
5	42	65	298	975	266	2260	238	100	183	411	79	46
6	42	64	261	730	850	1960	224	99	146	357	230	43
7	42	81	245	568	620	1350	215	121	126	276	346	42
8	59	137	242	447	460	911	203	172	115	247	306	39
9	88	149	231	385	634	709	192	139	103	227	168	42
10	81	231	217	400	872	601	184	123	95	195	119	54
11	75	345	204	318	1570	543	186	116	89	174	94	55
12	61	233	190	287	1390	524	181	106	83	174	81	52
13	57	160	179	365	1050	731	172	101	76	590	77	46
14	50	126	202	2360	957	653	169	112	71	524	243	42
15	50	108	869	1440	789	529	166	134	68	361	274	41
16	55	96	3040	941	1200	476	162	156	66	263	239	40
17	67	88	1810	619	2440	461	156	140	63	224	162	41
18	136	82	1040	425	3380	426	150	128	62	184	123	44
19	204	77	653	348	2730	403	146	114	87	158	99	44
20	204	77	497	300	1590	402	145	104	119	143	86	42
21	158	84	397	270	1450	1180	146	98	84	131	78	42
22	117	86	311	255	2100	1140	140	92	73	123	72	39
23	96	80	271	248	1400	795	140	86	75	152	63	38
24	84	73	246	310	985	606	134	82	121	158	55	35
25	77	73	226	835	783	506	131	82	220	123	57	36
26	73	73	346	3630	643	435	131	80	204	107	69	38
27	68	79	398	2850	536	419	131	80	141	97	67	59
28	64	79	310	1690	464	398	126	83	126	97	62	70
29	75	90	271	1010	418	352	115	84	464	97	60	58
30	106	635	922	704	---	379	111	87	770	100	59	69
31	95	---	2930	543	---	365	---	456	---	100	55	---
TOTAL	2503	3770	19814	32243	31020	21854	5324	3706	5737	10009	3791	1395
MEAN	80.7	126	639	1040	1070	705	177	120	191	323	122	46.5
MAX	204	635	3040	3630	3380	2260	321	456	770	1630	346	70
MIN	42	64	179	248	266	338	111	80	62	97	55	35
CFSM	.17	.27	1.35	2.19	2.26	1.49	.37	.25	.40	.68	.26	.10
IN.	.20	.30	1.56	2.53	2.43	1.72	.42	.29	.45	.79	.30	.11

CAL YR 1975 TOTAL 215845 MEAN 591 MAX 10000 MIN 39 CFSM 1.25 IN 16.94
WTR YR 1976 TOTAL 141166 MEAN 386 MAX 3630 MIN 35 CFSM .81 IN 11.08

PEAK DISCHARGE (BASE, 4,200 FT^3/S).--No peaks above the base.

03362500 Sugar Creek near Edinburg, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
FEB. 12...	1445	6.0	1290	47	164
MAR. 16...	1745	5.0	459	82	102
JUNE 29...	1900	30.0	524	94	133

03363000 Driftwood River near Edinburg, Ind.

LOCATION.--Lat 39°20'21", long 85°59'11", in NW¼SW¼ sec.4, T.10 N., R.5 E., Bartholomew County, on left bank just downstream from highway bridge, 0.8 mile (1.3 km) downstream from confluence of Big Blue (corrected) River and Sugar Creek, 1.5 miles (2.4 km) southwest of Edinburg, and at mile 14.1 (22.7 km).

DRAINAGE AREA.--1,060 mi² (2,745 km²).

PERIOD OF RECORD.--October 1940 to current year. Prior to July 1941 monthly discharge only, published in WSP 1305.

GAGE.--Water-stage recorder. Datum of gage is 636.99 ft (194.155 m) above mean sea level. Prior to Oct. 7, 1941, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--36 years, 1,133 ft³/s (32.09 m³/s), 14.51 in/yr (369 mm/yr).

EXTREMES.--Current year: Maximum discharge, 7,390 ft³/s (209 m³/s) Jan. 27, gage height, 11.30 ft (3.444 m); minimum daily, 117 ft³/s (3.31 m³/s) Sept. 8.
Period of record: Maximum discharge, 40,500 ft³/s (1,147 m³/s) Mar. 6, 1963, gage height, 16.97 ft (5.172 m); minimum daily, 38 ft³/s (1.08 m³/s) Sept. 23, 1941.
Flood in March 1913 reached a stage of 20.3 ft (6.19 m).

REMARKS.--Records good.

REVISIONS.--WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	160	274	1870	6410	1350	943	827	381	1450	3870	242	147
2	157	259	1640	5090	1150	861	772	377	1160	2590	230	148
3	154	247	1280	3780	987	813	723	375	786	1910	220	148
4	152	240	1040	3200	921	2040	689	367	594	1680	200	144
5	151	231	870	2400	851	4530	661	356	485	1180	190	137
6	149	230	756	1720	1610	4490	634	353	418	949	560	131
7	147	248	679	1450	1930	3090	614	387	377	745	740	122
8	166	316	608	1220	1330	2090	586	482	352	674	700	117
9	230	395	549	1050	1430	1610	561	435	331	600	400	138
10	238	441	519	890	1910	1340	542	396	312	524	298	181
11	226	678	497	901	3230	1190	542	375	297	464	254	176
12	202	672	473	833	3740	1120	530	355	283	446	229	172
13	184	564	450	878	2610	1410	508	345	270	1270	227	154
14	173	478	480	3590	2250	1550	497	359	258	1140	449	144
15	165	418	1270	3430	1950	1190	490	386	245	808	508	140
16	158	376	4810	2210	2360	1040	481	410	242	660	486	139
17	169	346	3880	1600	4480	999	468	391	238	560	366	143
18	244	321	2380	1200	6360	921	455	372	238	500	299	144
19	394	308	1600	980	6000	867	445	349	279	450	258	144
20	492	295	1200	880	3900	851	442	331	340	390	235	144
21	484	291	1020	800	3120	2600	443	317	298	360	219	138
22	414	294	835	740	4220	2500	446	304	274	335	206	132
23	356	291	727	743	3420	2000	443	290	275	380	193	130
24	315	281	670	798	2350	1380	425	281	341	390	180	126
25	288	272	626	1450	1850	1280	431	274	486	350	174	125
26	269	268	825	5620	1530	1180	449	271	544	300	185	131
27	255	273	1050	7200	1300	1090	444	266	440	265	176	179
28	244	276	857	4000	1130	1040	414	270	395	240	170	209
29	239	277	741	3050	1030	937	398	277	748	242	161	192
30	275	616	1580	2060	---	946	388	281	1580	245	153	213
31	286	---	5030	1610	---	913	---	722	---	242	146	---
TOTAL	7536	10476	40812	71783	70299	48811	15748	11135	14336	24759	9054	4488
MEAN	243	349	1317	2316	2424	1575	525	359	478	799	292	150
MAX	492	678	5030	7200	6360	4530	827	722	1580	3870	740	213
MIN	147	230	450	740	851	813	388	266	238	240	146	117
CFSM	.23	.33	1.24	2.18	2.29	1.49	.50	.34	.45	.75	.28	.14
IN.	.26	.37	1.43	2.52	2.47	1.71	.55	.39	.50	.87	.32	.16

CAL YR 1975 TOTAL 515675 MEAN 1413 MAX 16000 MIN 137 CFSM 1.33 IN 18.10
WTR YR 1976 TOTAL 329237 MEAN 900 MAX 7200 MIN 117 CFSM .85 IN 11.55

PEAK DISCHARGE (BASE, 7,000 FT³/S).--Jan. 27 (1600) 7,390 ft³/s (11.30 ft).

03363500 Flatrock River at St. Paul, Ind.

LOCATION.--Lat 39°25'03", long 85°38'03", in SE¼NE¼ sec.9, T.11 N., R.8 E., Shelby County, on right bank 500 ft (152 m) downstream from highway bridge, 0.8 mile (1.3 km) southwest of St. Paul, and 1.5 miles (2.4 km) downstream from Mill Creek, and at mile 34.4 (55.3 km).

DRAINAGE AREA.--303 mi^2 (785 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: October 1930 to current year. Prior to October 1958, published as Flatrock Creek at St. Paul.
CHEMICAL ANALYSIS: January 1976 to current year.
WATER TEMPERATURE: January 1976 to current year.
SEDIMENT DISCHARGE: August 1969 to current year (partial-record station).

GAGE.--Water-stage recorder and multi-parameter monitor. Datum of gage is 764.84 ft (233.123 m) above mean sea level (levels by State of Indiana, Department of Natural Resources). Prior to Oct. 21, 1938, nonrecording gage at site 500 ft (152 m) upstream at same datum.

AVERAGE DISCHARGE.--46 years, 315 ft^3/s (8.921 m^3/s), 14.12 in/yr (359 mm/yr).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	52	569	1690	360	302	174	77	450	795	44	10
2	12	48	346	1200	300	270	162	77	318	382	37	12
3	11	46	234	1040	260	256	152	76	189	275	30	12
4	11	44	187	836	230	460	149	71	135	228	26	11
5	11	41	160	510	206	1150	143	66	104	169	23	11
6	11	39	152	450	210	1120	138	65	86	142	68	9.6
7	11	48	163	374	250	744	137	80	76	124	88	9.0
8	22	60	163	310	250	537	132	81	71	111	87	8.0
9	38	63	156	250	280	426	126	70	64	97	53	12
10	35	128	145	230	388	356	124	64	57	91	37	16
11	28	179	131	230	784	318	130	60	51	77	30	16
12	23	142	128	214	952	293	128	58	45	74	25	12
13	20	114	124	322	604	339	120	54	42	78	31	10
14	18	93	124	930	561	349	121	56	37	66	42	8.5
15	18	82	796	805	502	289	123	57	34	56	62	7.7
16	16	72	1450	529	801	263	123	59	34	62	72	7.0
17	23	67	1190	360	1290	240	121	57	36	92	51	6.3
18	67	60	701	270	2210	216	117	51	39	76	34	6.5
19	187	58	462	260	1710	209	115	47	49	54	26	6.0
20	183	58	348	240	1190	217	121	44	55	45	22	7.1
21	148	60	269	230	1320	617	117	40	53	40	20	7.5
22	108	58	215	190	1710	627	111	39	47	129	18	6.6
23	85	54	200	190	1150	420	99	37	45	209	16	5.6
24	67	50	179	205	768	337	92	36	84	92	15	5.1
25	60	48	166	561	613	291	108	34	149	60	15	4.1
26	54	52	531	3010	507	255	118	33	139	44	15	6.8
27	50	54	500	2420	424	251	97	33	98	41	15	15
28	44	54	300	1800	360	225	87	33	81	96	15	19
29	50	60	238	830	328	203	82	34	76	76	13	16
30	60	360	726	582	---	205	79	39	352	83	12	15
31	58	---	1440	434	---	189	---	382	---	60	11	---
TOTAL	1541	2344	12493	21502	20518	11974	3646	2010	3096	4024	1053	298.4
MEAN	49.7	78.1	403	694	708	386	122	64.8	103	130	34.0	9.95
MAX	187	360	1450	3010	2210	1150	174	382	450	795	88	19
MIN	11	39	124	190	206	189	79	33	34	40	11	4.1
CFSM	.16	.26	1.33	2.29	2.34	1.27	.40	.21	.34	.43	.11	.03
IN.	.19	.29	1.53	2.64	2.52	1.47	.45	.25	.38	.49	.13	.04

CAL YR 1975 TOTAL 138239.0 MEAN 379 MAX 8550 MIN 7.8 CFSM 1.25 IN 16.97
WTR YR 1976 TOTAL 84499.4 MEAN 231 MAX 3010 MIN 4.1 CFSM .76 IN 10.37

PEAK DISCHARGE (BASE, 2,500 FT^3/S).--Jan. 26 (0700) 3,540 ft^3/s (5.08 ft).

03363500 Flatrock River at St. Paul, Ind.--Continued

EXTREMES.--WATER DISCHARGE, Current year: Maximum discharge, 3,540 ft^3/s (100 m^3/s) Jan. 26, gage height, 5.08 ft (1.548 m); minimum daily, 4.1 ft^3/s (0.12 m^3/s) Sept. 25.
Period of record: Maximum discharge, 18,500 ft^3/s (524 m^3/s) Jan. 5, 1949; maximum recorded gage height, 12.37 ft (3.770 m) May 24, 1968; minimum daily discharge, 0.6 ft^3/s (0.017 m^3/s) Aug. 7, 1931.
Flood in March 1913 reached a stage of approximately 20.5 ft (6.25 m), from information by local residents.
SPECIFIC CONDUCTANCE, Current year: Maximum conductance, 612 micromhos Feb. 7, Mar. 3; minimum, 221 micromhos Jan. 26.
Period of record: Maximum conductance, 612 micromhos Feb. 7, Mar. 3, 1976; minimum, 221 micromhos Jan. 26, 1976.
WATER TEMPERATURE, Current year: Maximum temperature, 28.5°C June 14, July 11, 12; minimum, 1.0°C Jan 23-25, 27, 28, Feb. 2-4, 6-9.
Period of record: Maximum temperature, 28.5°C June 14, July 11, 12, 1976; minimum temperature, 1.0°C Jan. 23-25, 27, 28, Feb. 2-4, 6-9, 1976.

REMARKS.--Water discharge, chemical, and temperature records good. Slight diversion occasionally by quarry above gage.

REVISIONS (WATER YEARS).--WSP 853: 1934-36. WSP 973: 1942. WSP 1335: 1933, 1936. WSP 1725: 1957(M). WSP 2109: Drainage area.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1							---	---	572	559	576	567
2							---	---	587	564	576	569
3							---	---	591	558	612	570
4							---	---	600	565	603	564
5							---	---	598	592	559	446
6							---	---	599	571	489	454
7							---	---	612	509	545	489
8							---	---	499	449	558	546
9							---	---	548	473	572	560
10							---	---	550	490	580	572
11							---	---	489	362	581	564
12							---	---	386	320	577	560
13							---	---	477	393	579	565
14							---	---	502	481	572	553
15							---	---	513	503	557	543
16							---	---	512	477	563	551
17							---	---	472	432	568	555
18							---	---	422	360	566	538
19							---	---	434	408	542	522
20							---	---	482	434	520	490
21							---	---	504	389	532	496
22							---	---	434	387	532	520
23							594	570	500	437	537	520
24							577	561	539	504	550	531
25							570	295	553	541	554	533
26							293	221	561	553	548	532
27							263	240	567	559	551	528
28							443	269	571	566	554	542
29							520	451	574	566	558	538
30							543	522	---	---	557	543
31							558	544	---	---	564	540
MONTH							---	---	612	320	612	446

03363500 Flatrock River at St. Paul, Ind.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	564	550	495	469	482	349	377	320	562	552		
2	564	544	500	465	511	489	444	387	567	552		
3	560	533	540	487	539	498	481	453	558	539		
4	560	541	539	502	552	533	493	487	568	551		
5	566	549	553	496	556	542	512	500	581	560		
6	608	531	542	503	559	546	529	519	581	513		
7	607	567	549	521	558	545	541	536	551	472		
8	606	562	546	515	558	544	551	548	572	557		
9	604	556	553	510	560	534	586	552	564	548		
10	597	549	547	490	556	529	594	586	551	532		
11	585	549	534	484	556	526	596	581	543	531		
12	588	551	542	488	550	531	596	557	548	532		
13	582	533	540	493	543	531	577	563	547	540		
14	564	513	531	504	542	523	582	557	---	---		
15	537	469	531	506	539	527	585	547	---	---		
16	518	465	539	521	565	528	560	535	---	---		
17	503	445	542	523	565	550	561	531	---	---		
18	491	431	550	519	556	479	551	527	---	---		
19	474	433	561	534	475	438	554	534	---	---		
20	461	428	563	526	462	448	550	516	---	---		
21	459	437	540	519	488	464	541	519	---	---		
22	477	450	538	514	497	468	547	511	---	---		
23	475	447	542	515	472	396	505	401	---	---		
24	474	457	550	518	407	372	434	403	---	---		
25	490	462	550	525	427	386	489	439	---	---		
26	523	489	542	512	453	437	520	495	---	---		
27	538	522	547	511	466	453	543	526	---	---		
28	535	502	547	534	464	451	561	547	---	---		
29	509	483	547	506	482	362	560	548	---	---		
30	497	466	544	408	389	324	556	528	---	---		
31	---	---	510	322	---	---	545	533	---	---		
MONTH	608	428	563	322	565	324	596	320	---	---		

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1							---	---	3.0	2.0	11.5	10.5
2							---	---	2.0	1.0	13.0	11.5
3							---	---	1.5	1.0	14.5	13.0
4							---	---	1.5	1.0	16.0	14.0
5							---	---	1.5	1.5	15.5	11.5
6							---	---	1.5	1.0	11.0	8.0
7							---	---	1.5	1.0	8.5	6.5
8							---	---	1.5	1.0	8.5	7.0
9							---	---	2.5	1.0	8.5	7.5
10							---	---	6.0	2.5	8.5	7.5
11							---	---	6.5	5.5	9.0	7.0
12							---	---	5.0	3.5	10.0	8.5
13							---	---	6.0	4.5	9.5	7.0
14							---	---	6.0	5.0	7.5	5.5
15							---	---	7.5	5.0	7.5	6.5
16							---	---	10.0	7.5	7.5	6.5
17							---	---	10.0	9.0	6.5	5.0
18							---	---	9.5	8.5	7.5	5.5
19							---	---	8.5	7.0	10.5	8.0
20							---	---	7.5	6.0	12.5	10.5
21							---	---	9.0	7.0	12.5	10.0
22							---	---	9.0	6.5	10.0	8.0
23							1.5	1.0	6.5	5.0	10.5	8.0
24							1.5	1.0	7.5	4.5	11.5	9.5
25							3.0	1.0	9.0	7.0	13.0	11.0
26							3.0	1.5	10.5	8.5	15.0	12.5
27							1.5	1.0	10.0	8.5	15.0	12.5
28							1.5	1.0	10.0	9.0	12.5	11.0
29							3.0	1.5	11.0	9.0	12.5	12.0
30							3.0	2.5	---	---	14.5	12.0
31							3.0	2.5	---	---	14.0	11.5
MONTH							---	---	11.0	1.0	16.0	5.0

03363500 Flatrock River at St. Paul, Ind.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	11.5	9.5	17.0	13.5	19.5	18.5	21.0	19.0	26.0	22.5		
2	12.0	8.5	17.0	13.5	20.0	19.0	21.0	19.0	25.5	21.5		
3	14.0	10.5	15.0	12.5	19.5	18.5	21.5	20.5	25.5	20.5		
4	13.0	11.0	16.0	11.0	22.0	19.5	21.5	20.5	25.0	20.0		
5	13.0	10.0	18.0	12.0	23.0	19.5	22.5	20.5	25.5	21.0		
6	14.5	11.0	18.0	15.0	23.0	20.0	23.5	20.5	23.0	21.5		
7	15.5	12.0	18.0	15.0	24.5	20.5	23.5	21.0	22.5	20.5		
8	15.5	12.0	18.0	13.5	25.5	21.0	24.5	22.0	22.5	20.0		
9	14.0	11.0	18.5	13.0	26.0	21.5	25.0	22.5	24.0	19.0		
10	14.5	10.5	19.5	14.5	25.5	22.0	26.5	23.0	24.5	19.5		
11	14.0	11.5	20.5	15.5	27.0	23.0	28.5	24.0	25.0	21.0		
12	13.5	10.0	20.0	14.5	27.5	24.0	28.5	25.0	26.5	22.0		
13	14.0	10.0	20.5	15.5	27.0	24.5	27.0	23.0	26.5	23.0		
14	16.0	11.5	19.5	17.5	28.5	25.0	27.5	22.5	---	---		
15	18.5	14.0	21.5	18.5	27.5	24.0	27.5	24.0	---	---		
16	20.0	17.0	21.0	18.5	25.0	21.5	26.0	23.0	---	---		
17	21.5	17.5	20.0	17.0	27.0	22.5	25.0	21.5	---	---		
18	22.0	18.0	20.0	16.0	26.5	23.0	25.0	21.0	---	---		
19	22.0	18.5	20.0	15.5	24.5	21.0	25.5	20.5	---	---		
20	22.5	19.0	21.5	16.0	23.5	20.5	25.5	21.5	---	---		
21	21.0	18.5	22.5	18.0	23.0	20.0	27.0	23.0	---	---		
22	21.0	17.5	23.0	18.0	21.0	19.0	26.5	24.0	---	---		
23	21.5	17.5	21.5	18.0	22.5	20.0	26.0	23.5	---	---		
24	21.5	18.0	22.0	17.5	21.5	20.5	28.0	24.5	---	---		
25	18.5	15.5	21.0	17.0	23.0	20.0	28.0	24.0	---	---		
26	15.5	13.0	21.5	17.0	24.5	21.0	28.0	23.5	---	---		
27	14.5	11.5	22.5	17.5	24.5	22.0	26.0	23.5	---	---		
28	14.5	11.0	19.0	18.0	24.5	23.0	26.5	24.0	---	---		
29	16.0	11.0	20.0	17.5	25.5	22.5	27.0	24.0	---	---		
30	17.5	12.0	20.5	18.0	23.5	19.0	27.0	24.0	---	---		
31	---	---	20.0	18.5	---	---	27.0	23.5	---	---		
MONTH	22.5	8.5	23.0	11.0	28.5	18.5	28.5	19.0	---	---		

03363900 Flatrock River at Columbus, Ind.

LOCATION.--Lat 39°14'06", long 85°55'36", in NE¼SW¼ sec.12, T.9 N., R.5 E., Bartholomew County, on left bank at downstream side of bridge on U.S. Highway 31 (bypass), 0.2 mile (0.3 km) northwest of Columbus city limits, and 2.6 miles (4.2 km) upstream from mouth.

DRAINAGE AREA.--534 mi^2 (1,383 km^2).

PERIOD OF RECORD.--October 1967 to current year.

GAGE.--Wate.-stage recorder. Datum of gage is 610.14 ft (185.971 m) above mean sea level.

AVERAGE DISCHARGE.--9 years, 601 ft^3/s (17.01 m^3/s), 15.29 in/yr (388 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,560 ft^3/s (186 m^3/s) Jan. 27, gage height, 10.98 ft (3.347 m); minimum daily, 33 ft^3/s (0.935 m^3/s) Sept. 23-25.
Period of record: Maximum discharge, 20,000 ft^3/s (566 m^3/s) May 25, 1968, gage height, 15.87 ft (4.837 m), from inside high-water mark; minimum daily, 22 ft^3/s (0.62 m^3/s) Oct. 5, 1967.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	119	1310	3670	858	606	392	165	857	606	90	45
2	46	111	1080	2900	650	557	370	163	732	762	77	45
3	46	104	649	2160	550	524	348	160	566	471	75	44
4	43	99	438	1810	500	595	330	157	417	448	73	44
5	44	95	341	1290	420	1590	321	151	321	377	68	43
6	44	92	286	929	400	1980	308	145	255	311	67	42
7	42	99	266	845	440	1460	294	150	222	283	87	40
8	50	121	283	676	440	1040	283	165	198	236	100	39
9	56	135	278	520	500	826	268	162	180	211	113	42
10	70	154	257	430	546	711	257	147	169	208	94	43
11	71	390	232	400	813	636	254	139	155	168	90	41
12	64	431	212	430	1250	587	256	134	146	153	84	42
13	60	331	198	442	1130	630	249	130	137	144	84	43
14	56	254	185	1050	913	665	242	131	128	142	96	41
15	54	208	347	1490	867	602	239	132	121	131	92	39
16	52	180	2580	1080	929	547	235	131	116	121	90	38
17	55	160	2430	783	1970	517	229	130	113	117	97	38
18	60	146	1620	554	3160	479	221	127	111	138	88	37
19	122	136	919	460	3760	452	214	121	110	128	76	36
20	283	131	662	410	2570	443	218	116	139	109	68	35
21	290	128	522	380	1890	689	217	112	162	99	63	35
22	235	125	409	350	3280	1020	212	106	145	94	60	34
23	181	119	336	353	2510	814	207	102	136	146	56	33
24	147	113	312	390	1630	661	194	99	138	240	54	33
25	130	110	281	476	1240	593	193	96	191	148	52	33
26	116	110	456	3460	1020	542	218	95	315	106	51	34
27	105	115	1020	5750	850	512	218	93	258	91	50	36
28	99	115	667	3920	736	493	189	94	203	82	49	36
29	101	115	484	2190	664	451	177	95	179	105	47	40
30	107	178	758	1340	---	439	169	98	172	100	47	45
31	123	---	2380	1040	---	422	---	242	---	102	46	---
TOTAL	3001	4724	22198	41978	36486	22083	7522	4088	7092	6577	2284	1176
MEAN	96.8	157	716	1354	1258	712	251	132	236	212	73.7	39.2
MAX	290	431	2580	5750	3760	1980	392	242	857	762	113	45
MIN	42	92	185	350	400	422	169	93	110	82	46	33
CFSM	.18	.29	1.34	2.54	2.36	1.33	.47	.25	.44	.40	.14	.07
IN.	.21	.33	1.55	2.92	2.54	1.54	.52	.28	.49	.46	.16	.08

CAL YR 1975 TOTAL 246078 MEAN 674 MAX 12200 MIN 42 CFSM 1.26 IN 17.14
WTR YR 1976 TOTAL 159209 MEAN 435 MAX 5750 MIN 33 CFSM .81 IN 11.09

PEAK DISCHARGE (BASE, 3,500 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-01	1600	9.26	4,170	02-18	2400	9.41	4,350
01-27	0400	10.98	6,560	02-22	1200	8.70	3,540

03364000 East Fork White River at Columbus, Ind.

LOCATION.--Lat 39°12'00", long 85°55'32", in NE¼NW¼ sec.25, T.9 N., R.5 E., Bartholomew County, on left bank at abutment of abandoned bridge at west end of Second Street in Columbus, 0.6 mile (1.0 km) downstream from confluence of Driftwood River and Flatrock River, 1.3 miles (2.1 km) upstream from Haw Creek, and at mile 238.7 (384.1 km).

DRAINAGE AREA.--1,707 mi^2 (4,421 km^2).

PERIOD OF RECORD.--October 1947 to current year. Prior to January 1948 monthly discharge only, published in WSP 1305.

GAGE.--Water-stage recorder above concrete control. Datum of gage is 603.12 ft (183.831 m) above mean sea level. Prior to Oct. 22, 1952, nonrecording gage 600 ft (183 m) upstream at same datum.

AVERAGE DISCHARGE.--29 years, 1,821 ft^3/s (51.57 m^3/s), 14.49 in/yr (368 mm/yr).

EXTREMES.--Current year: Maximum discharge, 13,100 ft^3/s (371 m^3/s) Jan. 27, gage height, 6.45 ft (1.966 m); minimum daily, 197 ft^3/s (5.58 m^3/s) Sept. 24, 25.
Period of record: Maximum discharge, 52,300 ft^3/s (1,480 m^3/s) Mar. 6, 1963, gage height, 16.23 ft (4.947 m); minimum daily, 87 ft^3/s (2.46 m^3/s) Sept. 29, 1954.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1335: 1948-49. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	248	440	2860	10200	2480	1790	1370	611	2350	4050	395	245
2	244	409	2380	8730	2110	1650	1280	601	1980	3760	342	250
3	239	390	1690	5730	1780	1560	1220	591	1440	2530	314	245
4	236	381	1340	5050	1650	2460	1160	578	1080	2380	293	245
5	234	366	1140	3680	1550	5590	1110	561	866	1700	273	234
6	232	360	1050	2960	1830	6230	1070	552	725	1370	286	223
7	227	439	996	2450	2430	5010	1040	587	628	1170	662	218
8	276	484	996	2050	2020	3610	981	681	554	1020	821	214
9	333	566	978	1700	1940	2860	938	691	512	906	635	250
10	345	834	939	1550	2430	2420	910	612	476	837	493	250
11	343	1040	888	1580	3670	2150	924	573	443	717	423	250
12	309	1010	845	1440	4940	2000	916	539	422	662	377	250
13	281	857	805	1430	4130	2240	887	521	399	1170	377	234
14	266	721	796	3810	3380	2610	859	547	379	1320	547	218
15	255	633	1660	5050	3100	2150	856	594	358	1090	689	214
16	248	578	5620	3630	3140	1890	848	625	350	821	662	214
17	284	536	5930	2650	5670	1760	818	604	343	760	572	214
18	387	503	4200	1950	9860	1650	791	565	338	717	483	214
19	575	476	2810	1610	10900	1560	771	520	343	622	414	214
20	807	471	2120	1550	6850	1520	759	493	451	535	377	214
21	777	474	1770	1410	5350	2730	763	466	455	483	342	210
22	655	468	1470	1310	7060	3920	755	443	414	453	328	202
23	556	454	1280	1210	6060	3090	737	427	404	503	307	202
24	487	435	1170	1280	4420	2440	710	414	429	717	293	197
25	454	440	1090	1930	3470	2090	709	405	615	524	286	197
26	423	436	1590	8790	2910	1860	745	400	815	424	293	210
27	402	462	2260	12900	2490	1750	745	391	719	405	280	234
28	387	461	1790	10500	2160	1670	681	401	604	368	273	273
29	415	473	1470	5770	1950	1530	644	413	769	433	262	267
30	448	1340	2400	3790	---	1530	622	416	1130	424	256	300
31	461	---	6080	2970	---	1490	---	661	---	414	245	---
TOTAL	11834	16937	62413	120660	111730	76810	26619	16483	20791	33285	12600	6902
MEAN	382	565	2013	3892	3853	2478	887	532	693	1074	406	230
MAX	807	1340	6080	12900	10900	6230	1370	691	2350	4050	821	300
MIN	227	360	796	1210	1550	1490	622	391	338	368	245	197
CFSM	.22	.33	1.18	2.28	2.26	1.45	.52	.31	.41	.63	.24	.13
IN.	.26	.37	1.36	2.63	2.43	1.67	.58	.36	.45	.73	.27	.15

CAL YR 1975 TOTAL 813460 MEAN 2229 MAX 31000 MIN 221 CFSM 1.31 IN 17.73
WTR YR 1976 TOTAL 517064 MEAN 1413 MAX 12900 MIN 197 CFSM .83 IN 11.27

PEAK DISCHARGE (BASE, 10,000 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-01	2000	5.20	10,800	02-19	0100	5.65	11,800
01-27	0900	6.45	13,100				

03364200 Haw Creek near Clifford, Ind.

LOCATION.--Lat 39°16'04", long 85°51'22", in NW¼SW¼ sec.34, T.10 N., R.6 E., Bartholomew County, on left bank 20 ft downstream from bridge on County Road 450 North, 1.2 miles (1.9 km) southeast of Clifford, 5.8 miles (9.3 km) northeast of Columbus, and 7.6 miles (12.2 km) upstream from mouth.

DRAINAGE AREA.--47.5 mi^2 (123.0 km^2).

PERIOD OF RECORD.--August 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 643.00 ft (195.986 m) above mean sea level.

AVERAGE DISCHARGE.--9 years, 49.3 ft^3/s (1.395 m^3/s), 14.09 in/yr (358 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,840 ft^3/s (52.1 m^3/s) Jan. 26, gage height, 12.00 ft (3.66 m); minimum daily, 1.2 ft^3/s (0.034 m^3/s) Sept. 4, 5, 7, 8, 15, 19, 20, 23-25.
Period of record: Maximum discharge, 2,560 ft^3/s (72.5 m^3/s) May 24, 1968, gage height, 13.9 ft (4.24 m), from floodmark; no flow at times during September and October 1967 due to diversion for irrigation.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	14	163	491	40	30	17	8.4	77	10	12	1.5
2	2.5	12	78	169	34	29	15	8.6	66	8.0	5.9	1.5
3	2.4	12	53	169	27	27	15	8.3	30	6.9	3.9	1.5
4	2.3	11	42	113	24	37	15	8.0	20	6.1	3.4	1.2
5	2.3	11	36	71	23	57	14	7.9	14	5.6	2.9	1.2
6	2.3	10	32	57	26	44	14	7.9	13	10	2.7	1.4
7	2.3	18	30	51	22	36	13	8.7	11	10	4.4	1.2
8	19	21	29	38	22	32	13	8.0	10	7.2	3.4	1.2
9	17	17	28	32	23	31	12	7.5	9.6	5.9	2.9	1.7
10	9.4	60	25	28	25	29	12	7.1	8.1	5.2	2.2	2.0
11	6.6	54	23	25	37	28	13	6.7	8.6	4.4	2.2	1.7
12	5.9	35	21	33	34	28	12	6.6	7.4	9.5	1.8	1.5
13	5.5	27	21	81	36	29	12	6.7	7.3	6.9	3.6	1.4
14	5.2	21	21	163	39	25	12	7.4	6.7	4.9	151	1.4
15	4.5	19	360	86	39	23	11	7.6	5.9	4.8	43	1.2
16	4.4	17	232	65	77	22	11	7.7	6.3	5.9	17	1.4
17	5.4	15	111	47	269	22	11	7.2	5.7	5.4	9.2	1.4
18	44	15	68	38	772	22	10	7.0	5.3	4.1	6.4	1.4
19	54	14	49	32	182	21	10	6.6	9.2	3.9	4.6	1.2
20	36	14	42	28	99	23	11	6.1	7.1	3.6	3.9	1.2
21	25	15	33	25	399	90	11	5.9	5.9	5.9	3.4	1.4
22	18	13	29	23	294	39	10	5.6	5.5	10	2.9	1.4
23	15	13	27	29	113	30	9.3	5.8	5.5	4.6	2.7	1.2
24	13	13	24	33	78	24	8.8	5.3	8.4	3.9	2.4	1.2
25	12	13	24	218	60	23	11	5.0	11	3.2	2.2	1.2
26	12	13	144	1240	49	21	11	4.5	8.4	2.9	2.2	1.4
27	12	15	79	234	41	22	9.4	4.5	6.6	2.9	2.0	2.0
28	11	16	52	121	37	18	8.9	4.8	6.5	2.9	1.8	2.0
29	14	20	43	84	34	18	8.8	5.2	7.4	3.4	1.7	1.8
30	18	170	242	67	---	19	8.4	5.4	11	2.9	1.7	2.2
31	16	---	502	54	---	18	---	20	---	40	1.5	---
TOTAL	399.5	718	2663	3945	2955	919	349.6	222.0	404.4	210.9	310.9	44.0
MEAN	12.9	23.9	85.9	127	102	29.6	11.7	7.16	13.5	6.80	10.0	1.47
MAX	54	170	502	1240	772	90	17	20	77	40	151	2.2
MIN	2.3	10	21	23	22	18	8.4	4.5	5.3	2.9	1.5	1.2
CFSM	.27	.50	1.81	2.67	2.15	.62	.25	.15	.28	.14	.21	.03
IN.	.31	.56	2.09	3.09	2.31	.72	.27	.17	.32	.17	.24	.03

CAL YR 1975 TOTAL 21078.9 MEAN 57.8 MAX 1980 MIN 1.4 CFSM 1.22 IN 16.51
WTR YR 1976 TOTAL 13141.3 MEAN 35.9 MAX 1240 MIN 1.2 CFSM .76 IN 10.29

PEAK DISCHARGE (BASE, 600 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-15	1700	8.21	891	02-18	0500	10.48	1,400
12-31	2200	10.20	1,330	02-21	1600	8.51	954
01-26	0800	12.00	1,840				

03364500 Clifty Creek at Hartsville, Ind.

LOCATION.--Lat 39°16'25", long 85°42'10", in NW¼NW¼ sec.36, T.10 N., R.7 E., Bartholomew County, at downstream side of left abutment of highway bridge, 0.2 mile (0.3 km) north of Hartsville, 5.9 miles (9.5 km) upstream from Duck Creek, and at mile 20.0 (32.2 km).
DRAINAGE AREA.--91.4 mi^2 (236.7 km^2).
PERIOD OF RECORD.--WATER DISCHARGE: February 1948 to current year.
CHEMICAL ANALYSIS: December 1970 to September 1975.
WATER TEMPERATURE: December 1970 to September 1975.
GAGE.--Water-stage recorder. Datum of gage is 677.34 ft (206.453 m) above mean sea level. Prior to Sept. 24, 1952, nonrecording gage at same site and datum.
AVERAGE DISCHARGE.--28 years, 95.9 ft^3/s (2.716 m^3/s), 14.25 in/yr (362 mm/yr).
EXTREMES.--WATER DISCHARGE, Current year: Maximum discharge, 1,910 ft^3/s (54.1 m^3/s) Feb. 18, gage height, 6.15 ft (1.875 m); no flow Sept. 24-26.
Period of record: Maximum discharge, 11,300 ft^3/s (320 m^3/s) Jan. 21, 1959, gage height, 14.29 ft (4.356 m); no flow at times most years.
Flood in 1913 reached a stage of 25.1 ft (7.65 m), from floodmarks.
REMARKS.--Records good.
REVISIONS (WATER YEARS).--WSP 1335: 1950. WSP 1725: 1949(M). WSP 2109: Drainage area. WRD Ind. 1974: 1973.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.50	10	197	693	91	72	31	13	162	32	1.9	1.3
2	.40	8.6	90	335	70	66	29	13	195	28	.86	1.2
3	.32	7.6	57	391	60	62	27	13	91	11	.74	1.1
4	.30	7.0	43	245	50	66	25	12	52	7.1	.45	.93
5	.28	6.6	34	155	45	93	24	12	32	5.0	.28	.96
6	.26	6.0	31	110	40	94	22	12	22	5.0	.31	.84
7	.24	13	28	70	35	75	21	15	16	6.1	12	.52
8	1.4	14	26	60	45	66	19	14	14	4.3	14	.37
9	11	15	25	50	43	61	18	14	12	3.7	4.1	.64
10	14	44	24	52	41	57	17	12	9.7	2.9	2.2	.97
11	11	47	21	58	83	55	17	11	8.0	3.4	1.5	.60
12	8.0	33	19	64	81	52	17	11	6.6	4.3	1.0	.35
13	6.0	25	19	91	76	55	16	11	5.3	2.4	2.0	.23
14	4.0	18	18	326	91	48	15	12	4.3	1.9	97	.15
15	3.5	14	291	179	88	44	15	12	3.6	1.9	62	.12
16	3.0	12	464	128	228	44	15	13	4.5	2.4	31	.10
17	13	11	214	85	674	43	14	13	4.2	2.9	12	.09
18	36	9.3	126	60	1450	38	12	13	3.7	2.7	6.1	.09
19	66	8.8	89	55	558	38	11	11	5.7	2.2	3.6	.07
20	56	8.9	81	50	283	40	12	9.4	21	2.0	2.4	.05
21	37	9.1	56	47	719	96	15	8.3	20	2.4	1.8	.04
22	33	8.1	41	45	790	79	14	6.9	13	4.6	1.4	.02
23	15	7.2	40	45	312	58	13	5.6	9.5	1.9	1.1	.01
24	11	6.5	35	60	210	51	12	4.7	13	1.1	1.1	0
25	9.0	7.1	32	239	159	48	15	4.2	19	.74	1.6	0
26	8.0	7.4	177	1560	127	43	23	4.0	36	.45	23	0
27	7.0	11	133	444	104	45	21	3.4	20	.53	23	.02
28	6.0	11	76	240	91	42	15	4.0	15	.38	7.6	.05
29	10	13	60	167	82	36	13	5.1	12	.86	4.0	.05
30	20	86	258	127	---	37	13	9.9	15	1.3	2.4	.10
31	13	---	616	100	---	34	---	36	---	9.7	1.6	---
TOTAL	404.20	485.2	3421	6331	6726	1738	531	338.5	845.1	155.16	324.04	10.97
MEAN	13.0	16.2	110	204	232	56.1	17.7	10.9	28.2	5.01	10.5	.37
MAX	66	86	616	1560	1450	96	31	36	195	32	97	1.3
MIN	.24	6.0	18	45	35	34	11	3.4	3.6	.38	.28	0
CFSM	.14	.18	1.20	2.23	2.54	.61	.19	.12	.31	.05	.11	.004
IN.	.16	.20	1.39	2.58	2.74	.71	.22	.14	.34	.06	.13	.004

CAL YR 1975 TOTAL 35449.20 MEAN 97.1 MAX 3560 MIN 0 CFSM 1.06 IN 14.43
WTR YR 1976 TOTAL 21310.17 MEAN 58.2 MAX 1560 MIN 0 CFSM .64 IN 8.67

PEAK DISCHARGE (BASE, 1,300 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-26	0900	6.11	1,880	02-21	2100	5.33	1,460
02-18	1200	6.15	1,910				

03365000 Sand Creek near Brewersville, Ind.

LOCATION.--Lat 39°05'03", long 85°39'32", in NW¼NE¼ sec.5, T.7 N., R.8 E., Jennings County, on left bank at downstream side of county highway bridge, 2.5 miles (4.0 km) west of Brewersville, 5.7 miles (9.2 km) upstream from Wyaloosing Creek, and 16.0 miles (25.7 km) upstream from mouth.

DRAINAGE AREA.--155 mi^2 (401 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: February 1948 to current year.
SEDIMENT DISCHARGE: August 1969 to current year (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 629.13 ft (191.759 m) above mean sea level (levels by State of Indiana, Department of Natural Resources). Prior to Oct. 6, 1952, nonrecording gage at site 1.7 miles (2.7 km) upstream at datum approximately 8 ft (2.4 m) higher.

AVERAGE DISCHARGE.--28 years, 168 ft^3/s (4.758 m^3/s), 14.72 in/yr (374 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,790 ft^3/s (192 m^3/s) Jan. 26, gage height, 13.73 ft (4.185 m); minimum daily, 3.3 ft^3/s (0.093 m^3/s) Sept. 17-21, 25.
Period of record: Maximum discharge, 19,900 ft^3/s (564 m^3/s) Jan. 21, 1959, gage height, 21.70 ft (6.614 m) inside, 22.20 ft (6.767 m) outside, from rating curve extended above 6,500 ft^3/s (184 m^3/s) on basis of contracted-opening measurement of peak flow; no flow at times during 1948, 1949, 1953-55, 1964, 1965, 1967.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1335: 1949. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	49	598	1920	137	101	68	21	366	28	9.6	8.0
2	5.8	39	193	479	118	90	61	21	430	28	15	7.0
3	4.9	35	136	553	90	273	53	20	178	19	9.0	5.8
4	4.7	30	107	332	94	585	49	20	121	28	6.7	4.7
5	4.2	29	89	180	83	308	46	18	82	17	4.9	4.2
6	4.7	28	83	167	90	205	42	17	54	12	9.6	4.2
7	5.2	35	87	158	70	137	40	17	35	130	193	3.9
8	32	40	72	133	67	116	40	18	31	83	63	4.2
9	156	42	66	95	64	103	38	21	27	44	23	5.8
10	77	143	70	95	64	93	35	18	24	24	13	10
11	34	171	63	103	93	87	35	16	21	16	9.3	7.0
12	20	100	58	104	114	108	38	13	18	12	7.3	9.0
13	14	68	58	458	103	201	37	13	15	10	7.3	7.6
14	9.6	52	56	1210	140	119	32	13	13	9.0	201	5.8
15	9.6	40	923	282	118	93	33	14	11	10	250	4.4
16	10	35	821	205	317	86	34	15	11	14	101	3.7
17	18	32	286	156	487	81	34	18	12	10	43	3.3
18	151	28	183	115	2510	67	32	21	16	15	23	3.3
19	330	28	122	104	886	63	32	16	16	13	15	3.3
20	231	28	119	100	347	66	31	13	48	9.0	11	3.3
21	143	28	103	87	630	261	32	12	30	7.0	9.0	3.3
22	89	30	70	82	941	155	35	10	18	5.5	7.3	3.7
23	59	28	63	82	366	109	34	9.6	14	22	5.8	4.4
24	41	24	64	130	237	93	27	9.0	16	19	5.2	4.4
25	35	21	58	603	191	82	27	8.3	25	11	7.3	3.3
26	29	21	502	4690	162	76	43	7.6	57	7.3	114	4.4
27	30	30	293	793	139	89	52	7.3	30	6.1	59	51
28	25	36	160	327	122	95	31	7.3	21	5.2	26	76
29	104	48	128	244	111	74	25	7.6	17	5.8	15	30
30	158	636	633	187	---	73	23	8.0	21	4.7	10	18
31	79	---	1360	158	---	73	---	12	---	7.0	9.0	---
TOTAL	1919.8	1954	7624	14332	8891	4162	1139	441.7	1778	631.6	1282.3	307.0
MEAN	61.9	65.1	246	462	307	134	38.0	14.2	59.3	20.4	41.4	10.2
MAX	330	636	1360	4690	2510	585	68	21	430	130	250	76
MIN	4.2	21	56	82	64	63	23	7.3	11	4.7	4.9	3.3
CFSM	.40	.42	1.59	2.98	1.98	.86	.25	.09	.38	.13	.27	.07
IN.	.46	.47	1.83	3.44	2.13	1.00	.27	.11	.43	.15	.31	.07

CAL YR 1975 TOTAL 77104.9 MEAN 211 MAX 5670 MIN 1.8 CFSM 1.36 IN 18.51
WTR YR 1976 TOTAL 44462.4 MEAN 121 MAX 4690 MIN 3.3 CFSM .78 IN 10.67

PEAK DISCHARGE (BASE, 2,900 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-01	0200	10.62	4,010	02-18	0900	10.52	3,940
01-26	1100	13.73	6,790				

03365500 East Fork White River at Seymour, Ind.

LOCATION.--Lat 38°58'57", long 85°53'57", in NW¼NE¼ sec.7, T.6 N., R.6 E., Jackson County, on left bank 1,700 ft (518 m) downstream from highway bridge, 1 mile (2 km) north of Seymour, 9.5 miles (15.3 km) downstream from Sand Creek, and at mile 214.6 (345.3 km).

DRAINAGE AREA.--2,341 mi² (6,063 km²).

PERIOD OF RECORD.--WATER DISCHARGE: 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.
WATER TEMPERATURE: October 1954 to current year.
SEDIMENT DISCHARGE: July 1966 to current year.

GAGE.--Water-stage recorder with temperature attachment. Datum of gage is 550.67 ft (167.844 m) above mean sea level. Oct. 1, 1927, to July 2, 1931, nonrecording gage 1,700 ft (518 m) upstream at datum 7.61 ft (2.320 m) higher. July 3, 1931, to July 16, 1934, nonrecording gage at site 100 ft (30 m) downstream at present datum.

AVERAGE DISCHARGE.--49 years, 2,400 ft³/s (67.97 m³/s), 13.92 in/yr (354 mm/yr).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	282	621	3990	12100	3740	2860	1720	724	1760	1830	502	312
2	275	570	3640	13100	3190	2660	1610	709	3120	3560	467	312
3	275	533	2580	10600	2710	2530	1510	694	2290	2830	441	305
4	275	511	1950	8540	2430	3640	1430	679	1630	2390	420	297
5	275	489	1590	6430	2270	4630	1350	670	1260	2000	408	297
6	271	480	1390	4320	2130	6870	1300	655	1030	1540	412	282
7	275	524	1260	3690	2680	7090	1240	670	879	1300	506	279
8	316	631	1200	3180	2590	5300	1190	689	774	1170	754	271
9	420	660	1180	2510	2360	3990	1130	785	704	1030	749	282
10	502	836	1130	2150	2510	3330	1080	749	660	932	617	316
11	445	1410	1080	2210	3060	2920	1050	699	652	821	524	294
12	399	1450	1020	2170	4460	2710	1030	660	607	764	463	290
13	367	1240	965	2120	5010	2780	1010	636	570	749	451	286
14	339	1020	921	4980	4100	3080	960	645	547	1290	451	282
15	328	879	1390	6120	3760	2910	949	679	524	1220	1040	268
16	305	790	5970	5550	3550	2550	932	709	511	1040	911	264
17	316	729	7330	4050	5140	2350	905	714	489	841	769	250
18	445	692	6460	2990	9480	2210	884	684	476	784	631	257
19	879	649	4230	2420	15400	2070	857	650	476	719	538	254
20	1130	629	3010	2220	12600	1980	847	626	489	650	484	254
21	1180	626	2460	2130	8950	2490	847	598	584	607	441	250
22	976	617	2040	1920	10700	3900	847	570	588	588	408	243
23	792	607	1720	1790	11000	3890	842	542	542	542	387	239
24	645	598	1540	1820	8200	3110	826	520	575	641	371	233
25	607	570	1430	2240	5870	2640	816	502	598	655	355	226
26	561	565	2070	9470	4680	2350	831	489	774	556	347	243
27	524	588	3460	17400	3960	2180	868	475	852	511	379	264
28	502	603	2780	14100	3450	2070	842	475	795	484	379	275
29	511	621	2170	11300	3110	1950	779	484	734	484	359	343
30	709	1080	2530	6870	---	1850	744	477	911	506	331	316
31	684	---	6290	4650	---	1820	---	508	---	489	320	---
TOTAL	15610	21808	80776	175140	153090	96710	31226	19366	25901	33523	15615	8284
MEAN	510	727	2606	5650	5279	3120	1041	625	863	1081	504	276
MAX	1180	1450	7330	17400	15400	7090	1720	785	3120	3560	1040	343
MIN	271	480	921	1790	2130	1820	744	475	476	484	320	226
CFSM	.22	.31	1.11	2.41	2.26	1.33	.44	.27	.37	.46	.22	.12
IN.	.25	.35	1.28	2.78	2.43	1.54	.50	.31	.41	.53	.25	.13

CAL YR 1975 TOTAL 1106889 MEAN 3033 MAX 37800 MIN 262 CFSM 1.30 IN 17.59
WTR YR 1976 TOTAL 677249 MEAN 1850 MAX 17400 MIN 226 CFSM .79 IN 10.76

PEAK DISCHARGE (BASE, 12,000 FT³/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-01	2100	14.52	14,200	02-19	1200	15.09	15,900
01-27	0500	15.83	19,300				

03365500 East Fork White River at Seymour, Ind.--Continued

EXTREMES.--WATER DISCHARGE, Current year: Maximum discharge, 19,300 ft^3/s (547 m^3/s) Jan. 27, gage height, 15.83 ft (4.825 m); minimum daily, 226 ft^3/s (6.40 m^3/s) Sept. 25.
Period of record: Maximum discharge, 78,500 ft^3/s (2,220 m^3/s) Jan. 5, 1949, gage height, 19.67 ft (5.995 m); minimum daily, 86 ft^3/s (2.44 m^3/s) Sept. 28, 30, 1941.
Flood of Mar. 26, 1913, reached a stage of 21.0 ft (6.40 m), from information by Corps of Engineers and Indiana State Highway Commission, discharge, 120,000 ft^3/s (3,400 m^3/s).

WATER TEMPERATURE, Current year: Maximum temperature, 27.5°C July 23-25; minimum, 0.0°C Jan. 6, 9, 10.
Period of record: Maximum temperature, 31.0°C July 13, 14, 1966; minimum, freezing point on many days during most winter periods.
Maximum temperature of 32.0°C was observed on July 19, 1954.

SEDIMENT CONCENTRATIONS, Current year: Maximum daily concentration, 602 mg/L Jan. 14; minimum daily, 9 mg/L Sept. 30.
Period of record: Maximum daily concentration, 1,200 mg/L May 25, June 25, 1968; minimum daily, 4 mg/L Nov. 5, 1966.

SEDIMENT DISCHARGE, Current year: Maximum daily load, 14,500 tons (13,200 tonnes) Jan. 26; minimum daily, 7.7 tons (3.8 tonnes) Sept. 30.
Period of record: Maximum daily load, 179,000 tons (162,000 tonnes) May 25, 1968; minimum daily, 3 tons (2.7 tonnes) Nov. 5, 1966.

REMARKS.--Records good. Some regulation of low flow and temperatures by Seymour Water Co. at dam 500 ft (152 m) upstream. Sediment samples collected at highway bridge 1,700 ft (518 m) upstream.

REVISIONS (WATER YEARS).--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.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	16.5	15.5	9.5	9.0	7.0	6.0	3.5	2.5	3.5	2.5	11.5	11.0
2	15.5	14.5	12.0	9.5	6.0	5.0	2.5	2.5	3.5	2.0	12.0	11.5
3	15.0	13.5	15.0	12.0	5.0	4.5	2.5	2.5	2.0	1.5	14.0	12.0
4	15.0	13.5	17.0	15.0	5.0	4.5	2.5	1.5	2.5	1.5	14.5	14.0
5	15.0	14.0	16.5	15.5	6.0	5.0	1.5	0.5	2.5	2.0	15.0	14.0
6	16.0	14.5	16.5	16.0	6.5	5.5	0.5	0.0	2.5	2.0	14.0	11.0
7	16.5	15.5	17.0	15.0	6.5	5.5	1.0	0.5	2.0	1.0	11.0	9.5
8	16.0	16.0	17.5	16.5	5.5	5.0	1.0	0.5	1.5	1.0	9.5	9.0
9	16.5	15.5	17.5	17.0	5.0	5.0	0.5	0.0	2.5	1.5	9.5	9.0
10	17.0	16.5	17.0	16.5	5.0	4.5	0.5	0.0	5.0	2.5	9.5	9.5
11	17.0	16.5	16.5	16.0	4.5	4.0	1.0	0.5	5.5	5.0	11.0	9.5
12	17.0	16.0	15.5	13.5	5.0	4.5	2.0	1.0	6.0	5.5	11.5	11.0
13	17.5	16.0	13.5	8.5	6.5	5.0	3.5	1.5	6.0	5.5	11.0	10.0
14	18.5	17.0	8.5	7.0	9.0	6.5	2.5	1.0	6.0	5.5	10.0	9.0
15	19.0	17.5	7.0	6.5	9.5	9.0	1.5	1.0	7.0	6.0	10.0	8.5
16	18.5	16.5	6.5	5.5	9.5	7.0	1.0	1.0	9.0	7.0	9.5	8.5
17	16.5	14.0	8.5	6.5	7.0	5.0	1.0	1.0	10.0	9.0	8.5	7.5
18	14.0	11.5	9.5	7.5	5.0	2.5	1.0	0.5	10.0	9.5	9.0	7.5
19	11.5	10.5	9.0	8.5	2.5	1.5	1.0	0.5	9.5	9.0	10.0	9.0
20	10.5	10.0	9.0	8.5	1.5	1.0	1.5	0.5	9.0	7.5	11.5	10.0
21	12.0	10.5	9.0	7.0	1.5	1.0	1.5	1.5	8.5	7.5	12.0	11.5
22	13.5	12.0	7.0	6.5	1.5	1.0	2.0	1.5	8.5	8.5	11.5	10.5
23	14.5	13.5	6.5	6.0	1.5	1.0	2.5	1.5	8.5	7.0	10.5	9.5
24	15.0	14.0	6.5	5.5	1.5	1.0	3.5	2.0	7.0	6.0	11.0	9.5
25	15.0	12.5	5.5	5.0	2.0	1.5	4.0	3.5	7.5	6.5	11.5	11.0
26	12.5	10.5	5.0	4.0	2.0	1.5	3.5	2.0	9.5	7.5	14.0	11.5
27	10.5	9.0	4.0	3.5	1.5	1.5	2.0	1.0	10.0	9.5	14.0	12.5
28	9.5	8.5	4.0	3.5	1.5	1.5	1.0	0.5	10.5	10.0	13.5	12.0
29	10.5	9.0	5.0	4.0	2.0	1.5	1.0	0.5	11.0	10.5	12.5	12.0
30	10.0	9.5	7.0	5.0	3.5	2.0	2.0	1.0	---	---	14.0	12.0
31	9.0	7.5	---	---	3.5	3.5	2.5	2.0	---	---	13.5	12.0
MONTH	19.0	7.5	17.5	3.5	9.5	1.0	4.0	0.0	11.0	1.0	15.0	7.5

03365500 East Fork White River at Seymour, Ind.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	12.0	10.5	15.5	15.0	20.5	20.0	22.0	21.0	26.5	25.5	22.0	21.0
2	11.5	10.0	15.5	14.5	20.5	19.5	21.0	20.5	25.5	24.5	21.0	20.5
3	13.5	11.0	15.0	14.0	20.0	19.0	20.5	20.5	24.5	23.5	21.5	20.0
4	13.5	11.5	15.5	13.5	21.0	19.0	21.5	20.5	24.5	23.5	22.5	21.0
5	12.0	11.0	16.5	14.5	22.0	20.5	21.5	21.0	24.5	24.0	22.5	21.5
6	13.5	11.5	16.5	16.0	22.0	21.0	22.5	21.0	24.5	22.5	22.0	21.0
7	14.0	12.5	16.5	15.5	23.5	21.5	22.5	21.5	23.5	22.0	22.0	20.5
8	14.0	12.5	16.5	15.0	24.0	22.5	24.0	22.5	23.5	22.0	22.5	21.0
9	13.5	11.5	17.0	15.5	24.5	23.5	25.0	23.5	22.5	21.5	22.0	21.0
10	13.5	12.0	17.0	16.0	24.5	23.5	25.5	24.5	23.5	22.0	21.0	20.0
11	13.5	12.0	17.5	16.5	25.5	24.0	26.5	25.5	24.5	22.5	20.5	19.0
12	12.5	11.0	18.5	16.5	26.0	24.5	27.0	26.5	25.0	24.0	21.0	19.0
13	13.5	11.5	19.0	17.0	26.0	25.5	26.5	25.0	25.5	24.5	21.5	20.0
14	14.5	12.5	19.0	19.0	26.0	25.5	26.0	25.0	26.0	25.0	22.0	20.5
15	16.0	14.5	20.5	19.0	26.0	26.0	25.5	25.0	25.5	24.0	22.0	21.0
16	17.0	16.0	20.5	19.5	26.0	24.0	25.0	24.5	24.0	22.0	21.5	20.5
17	19.0	16.5	20.0	17.5	24.5	22.5	24.5	23.5	23.5	22.0	21.0	20.5
18	19.5	18.5	18.5	16.5	25.0	24.0	24.5	23.5	23.5	22.0	21.0	20.0
19	20.0	19.0	19.0	16.5	25.0	24.0	24.5	23.5	24.0	22.5	21.0	20.0
20	20.5	19.5	20.0	18.5	24.0	21.5	25.0	24.0	24.5	23.5	21.0	21.0
21	20.5	19.0	21.0	19.5	21.5	21.0	25.5	25.0	25.0	24.0	21.0	20.0
22	19.5	17.5	22.0	20.5	21.5	21.0	25.5	25.0	25.0	24.5	20.0	18.5
23	20.0	18.5	22.0	21.0	21.0	20.0	27.5	25.5	25.5	24.5	19.0	20.5
24	20.0	19.5	21.0	20.0	21.5	21.0	27.5	27.0	25.5	25.0	19.0	17.0
25	19.5	15.5	21.0	20.0	21.5	21.0	27.5	26.5	25.5	24.5	19.5	17.5
26	15.5	14.5	20.5	19.5	22.5	20.5	27.0	26.0	25.5	24.0	18.5	17.5
27	15.5	14.0	21.0	20.0	24.0	22.0	27.0	26.0	26.0	25.0	18.5	17.5
28	14.5	13.5	21.0	20.0	24.0	23.5	26.5	26.0	26.5	26.0	17.5	17.0
29	15.0	13.5	20.0	19.5	25.0	24.0	26.5	26.0	25.5	24.5	17.0	16.5
30	15.5	14.5	20.0	19.5	24.5	23.5	26.5	26.0	24.5	22.5	16.5	16.0
31	---	---	20.5	20.0	---	---	26.5	26.5	23.5	22.0	---	---
MONTH	20.5	10.0	22.0	13.5	26.0	19.0	27.5	20.5	26.5	21.5	22.5	16.0

03365500 East Fork White River at Seymour, Ind.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY
1	282	25	19	621	55	92	3990	323	3480
2	275	26	19	570	46	71	3640	109	1070
3	275	25	19	533	37	53	2580	48	334
4	275	23	17	511	29	40	1950	27	142
5	275	22	16	489	25	33	1590	25	107
6	271	20	15	480	24	31	1390	28	105
7	275	19	14	524	31	44	1260	30	102
8	316	29	25	631	33	56	1200	28	91
9	420	37	42	660	33	59	1180	24	76
10	502	54	73	836	84	190	1130	19	58
11	445	42	50	1410	112	426	1080	17	50
12	399	36	39	1450	78	305	1020	15	41
13	367	33	33	1240	40	134	965	14	36
14	339	31	28	1020	37	102	921	13	32
15	328	29	26	879	35	83	1390	93	349
16	305	27	22	790	32	68	5970	260	4190
17	316	28	24	729	29	57	7330	218	4310
18	445	68	82	692	28	52	6460	104	1810
19	879	117	278	649	27	47	4230	57	651
20	1130	83	253	629	26	44	3010	45	366
21	1180	84	268	626	25	42	2460	40	266
22	976	69	182	617	24	40	2040	32	176
23	792	60	128	607	24	39	1720	22	102
24	645	54	94	588	23	37	1540	18	[illegible]
25	607	48	79	570	23	35	1430	17	66
26	561	42	64	565	22	34	2070	62	347
27	524	37	52	588	25	40	3460	72	673
28	502	33	45	603	26	42	2780	42	315
29	511	35	48	621	28	47	2170	35	205
30	709	88	168	1080	136	397	2530	99	676
31	684	69	127	---	---	---	6290	238	4040
TOTAL	15810	---	2349	21808	---	2740	80776	---	24341

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	12100	207	6760	3740	37	374	2860	23	178
2	13100	90	3180	3190	33	284	2660	22	158
3	10600	68	1950	2710	28	205	2530	23	157
4	8540	59	1360	2430	24	157	3640	392	3850
5	6430	53	920	2270	20	123	4630	316	3950
6	4320	46	537	2130	18	104	6870	223	4140
7	3690	48	478	2680	47	340	7090	144	2760
8	3180	45	386	2590	24	168	5300	100	1430
9	2510	38	258	2360	18	115	3990	88	948
10	2150	42	244	2510	37	251	3330	57	512
11	2210	40	239	3060	51	421	2920	42	331
12	2170	34	199	4460	108	1300	2710	26	190
13	2120	38	218	5010	76	1030	2780	65	488
14	4980	602	8090	4100	78	863	3080	155	1290
15	6120	321	5300	3760	53	538	2910	147	1150
16	5550	105	1570	3550	42	403	2550	98	675
17	4050	38	416	5140	123	1710	2350	62	393
18	2990	23	186	9480	453	11600	2210	48	286
19	2420	18	118	15400	296	12300	2070	44	246
20	2220	26	156	12600	178	6060	1980	41	219
21	2130	28	161	8950	105	2540	2490	163	1100
22	1920	27	140	10700	202	5840	3900	133	1400
23	1790	26	126	11000	182	5410	3890	122	1280
24	1820	32	157	8200	98	2170	3110	85	714
25	2240	75	454	5870	68	1080	2640	63	449
26	9470	569	14500	4680	48	607	2350	52	330
27	17400	229	10800	3960	37	396	2180	55	324
28	14100	128	4870	3450	32	298	2070	54	302
29	11300	82	2500	3110	27	227	1950	53	279
30	6870	57	1060	---	---	---	1850	52	260
31	4650	45	565	---	---	---	1820	52	256
TOTAL	175140	---	67898	153090	---	56914	96710	---	30045

03365500 East Fork White River at Seymour, Ind.--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1720	51	237	724	40	78	1260	87	296
2	1610	47	204	709	38	73	3120	178	1500
3	1510	46	188	694	36	67	2290	73	451
4	1430	45	174	679	35	64	1630	31	136
5	1350	42	153	670	34	62	1260	37	126
6	1300	40	140	655	33	58	1030	62	172
7	1240	38	127	670	32	58	879	74	176
8	1190	37	119	689	30	56	774	72	150
9	1130	36	110	785	28	59	704	67	127
10	1080	33	96	749	27	55	660	65	116
11	1050	32	91	699	27	51	652	64	113
12	1030	35	97	660	27	48	607	63	103
13	1010	35	95	636	27	46	570	62	95
14	960	34	88	645	38	66	547	61	90
15	949	34	87	679	48	88	524	59	83
16	932	33	93	709	60	115	511	57	79
17	905	32	78	714	49	94	489	55	73
18	884	31	74	684	43	79	476	53	68
19	857	30	69	650	39	68	476	52	67
20	847	32	73	626	38	64	489	55	73
21	847	33	75	598	39	63	584	88	139
22	847	35	80	570	41	63	588	63	100
23	842	38	86	542	41	60	542	43	63
24	826	42	94	520	42	59	575	42	65
25	816	45	99	502	42	57	598	41	66
26	831	48	108	489	42	55	774	41	86
27	868	47	110	475	42	54	852	40	92
28	842	45	102	475	42	54	795	39	84
29	779	44	93	484	42	55	734	40	79
30	744	42	84	477	42	54	911	112	275
31	---	---	---	508	61	84	---	---	---
TOTAL	31226	---	3314	19366	---	2007	25901	---	5143

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1830	256	1260	502	43	58	312	46	39
2	3560	261	2510	467	43	54	312	46	39
3	2830	145	1110	441	44	52	305	45	37
4	2390	176	1140	420	44	50	297	45	36
5	2000	138	745	408	44	48	297	44	35
6	1540	106	441	412	44	49	282	43	33
7	1300	94	330	506	62	85	279	41	31
8	1170	96	303	754	64	130	271	40	29
9	1030	70	195	749	44	89	282	38	29
10	932	58	146	617	37	62	316	37	32
11	821	51	113	524	33	47	294	37	29
12	764	47	97	463	32	40	290	36	28
13	749	49	99	451	30	37	286	35	27
14	1290	91	317	451	34	41	282	34	26
15	1220	77	254	1040	86	241	268	33	24
16	1040	62	174	911	57	140	264	31	22
17	841	54	123	769	72	149	250	30	20
18	784	50	106	631	58	99	257	29	20
19	719	48	93	538	55	80	254	28	19
20	650	47	82	494	54	71	254	26	18
21	607	46	75	441	53	63	250	24	16
22	588	44	70	408	51	56	243	21	14
23	542	43	63	387	50	52	239	19	12
24	641	70	121	371	50	50	233	18	11
25	655	59	104	355	50	48	226	17	10
26	556	49	74	347	50	47	243	15	9.8
27	511	45	62	379	49	50	264	13	9.3
28	484	44	57	379	48	49	275	12	8.9
29	494	43	56	359	48	47	343	10	9.3
30	506	43	59	331	47	42	316	9	7.7
31	499	43	57	320	47	41	---	---	---
TOTAL	33523	---	10436	15815	---	2167	8294	---	681.0
YEAR	677249		209035.0						

03366200 Harberts Creek near Madison, Ind.

LOCATION.--Lat 38°46'55", long 85°29'08", in SW¼SE¼ sec.14, T.4 N., R.9 E., Jefferson County, attached to left downstream wingwall of bridge on County Road 533 West, 0.2 mile (0.3 km) west of Smyrna, 3.7 miles (6.0 km) upstream from Big Creek, and 4 miles (6 km) northwest of Madison.

DRAINAGE AREA.--9.31 mi^2 (24.11 km^2).

PERIOD OF RECORD.--August 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 725.75 ft (221.209 m) above mean sea level.

AVERAGE DISCHARGE.--8 years, 11.7 ft^3/s (0.331 m^3/s), 17.10 in/yr (434 mm/yr).

EXTREMES.--Current year: Maximum discharge, 707 ft^3/s (20.0 m^3/s) Feb. 18, gage height, 6.17 ft (1.881 m); minimum daily, 0.02 ft^3/s (0.001 m^3/s) Sept. 25.
Period of record: Maximum discharge, 1,540 ft^3/s (43.6 m^3/s) Apr. 2, 1970, gage height, 7.89 ft (2.405 m); no flow at times most years.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.10	1.3	32	77	5.4	2.8	13	.70	4.8	2.5	.29	2.0
2	.09	1.2	12	44	4.5	2.6	7.7	.62	2.1	.99	.13	1.3
3	.08	1.1	7.2	73	2.8	2.4	5.6	.58	1.1	.68	.07	.30
4	.08	1.1	4.9	21	2.7	2.3	4.6	.52	.85	.56	.04	.15
5	.08	1.0	3.7	12	3.6	4.6	3.9	.47	.59	.50	.03	.10
6	.08	.95	19	7.9	9.0	3.8	3.6	.43	.43	.42	5.2	.07
7	.07	1.0	19	13	5.6	2.8	3.3	.40	.39	.36	1.0	.05
8	18	.99	9.3	9.0	3.5	2.4	2.9	.37	.36	.32	.26	.03
9	2.5	1.1	8.1	7.0	3.5	2.3	2.8	.34	.30	.27	.13	4.3
10	.78	19	7.4	6.0	2.7	2.1	2.6	.32	.26	.23	.06	2.0
11	.71	7.1	5.1	5.4	7.4	2.1	2.5	.30	.23	.19	.04	.34
12	.49	3.5	3.9	7.0	5.2	2.7	2.2	.29	.21	.15	.03	.17
13	.40	2.5	3.2	116	5.6	8.2	2.0	.28	.17	.11	.35	.11
14	.36	1.9	2.8	54	5.4	4.0	1.8	.30	.13	.10	1.7	.08
15	.36	1.6	79	17	3.9	3.0	1.7	.77	.11	.17	19	.06
16	.36	1.4	30	13	4.8	2.8	1.7	4.5	4.9	2.1	1.0	.05
17	11	1.2	13	9.8	62	2.5	1.6	3.1	1.8	.57	.33	.05
18	33	1.1	7.1	7.9	293	2.1	1.5	2.9	.78	.22	.20	.05
19	30	1.0	5.1	5.0	45	2.1	1.4	1.7	13	.14	.14	.05
20	15	1.2	3.8	4.1	19	44	1.2	1.2	1.6	.09	.11	.07
21	6.6	1.3	3.0	3.4	33	111	1.5	1.0	.62	.09	.09	.06
22	3.9	1.1	2.8	2.8	31	17	1.4	.88	.43	.10	.08	.07
23	2.7	.93	2.5	5.0	14	9.5	1.2	.73	.35	.08	.06	.05
24	2.0	.89	2.0	11	9.1	6.8	1.0	.60	25	.14	.05	.03
25	1.8	.94	5.6	99	6.9	5.3	1.6	.54	32	.15	.26	.02
26	1.5	.96	99	227	5.5	5.0	1.4	.60	13	.07	.33	2.2
27	1.4	2.9	19	31	4.4	8.4	1.2	.49	3.4	.09	.16	22
28	1.2	2.6	10	13	3.7	6.7	1.0	.80	1.6	.28	2.7	4.2
29	3.4	18	7.9	10	3.2	6.5	.90	1.4	1.1	.19	.78	1.1
30	2.5	97	41	8.5	---	14	.80	.88	12	.19	1.1	2.8
31	1.6	---	160	6.6	---	20	---	6.7	---	.67	3.3	---
TOTAL	142.14	177.86	628.4	926.4	605.4	311.8	79.60	34.71	123.61	12.72	39.02	43.86
MEAN	4.59	5.93	20.3	29.9	20.9	10.1	2.65	1.12	4.12	.41	1.26	1.46
MAX	33	97	160	227	293	111	13	6.7	32	2.5	19	22
MIN	.07	.89	2.0	2.8	2.7	2.1	.80	.28	.11	.07	.03	.02
CFSM	.49	.64	2.18	3.21	2.24	1.08	.28	.12	.44	.04	.14	.16
IN.	.57	.71	2.51	3.70	2.42	1.25	.32	.14	.49	.05	.16	.18

CAL YR 1975 TOTAL 5605.14 MEAN 15.4 MAX 476 MIN 0 CFSM 1.65 IN 22.39
WTR YR 1976 TOTAL 3125.52 MEAN 8.54 MAX 293 MIN .02 CFSM .92 IN 12.49

PEAK DISCHARGE (BASE, 300 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-31	2000	5.28	400	02-18	0300	6.17	707
01-13	2000	5.28	400	03-20	2400	5.60	499
01-26	0400	5.65	515				

03366500 Muscatatuck River near Deputy, Ind.

LOCATION.--Lat 38°48'15", long 85°40'26", in SW¼NE¼ sec.7, T.4 N., R.8 E., Jefferson County, on left bank at downstream side of highway bridge, 1.4 miles (2.3 km) northwest of Deputy, 1.9 miles (3.1 km) upstream from Coffee Creek, 2.4 miles (3.9 km) downstream from confluence of Graham Creek and Big Creek, and at mile 50.0 (80.4 km).

DRAINAGE AREA.--293 mi^2 (759 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: November 1947 to current year.
SEDIMENT DISCHARGE: July 1968 to current year (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 541.17 ft (164.949 m) above mean sea level. Prior to June 22, 1955, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--28 years (1948 to current year), 338 ft^3/s (9.572 m^3/s), 15.67 in/yr (398 mm/yr).

EXTREMES.--Current year: Maximum discharge, 9,510 ft^3/s (269 m^3/s) Jan. 26, gage height, 20.27 ft (6.178 m); minimum daily, 2.6 ft^3/s (0.074 m^3/s) Sept. 24.
Period of record: Maximum discharge, 52,200 ft^3/s (1,480 m^3/s) Jan. 21, 1959, from rating curve extended above 25,000 ft^3/s (708 m^3/s) on basis of contracted-opening measurement of peak flow, gage height, 33.1 ft (10.09 m), from floodmarks; no flow at times most years.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1335: 1948. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	110	1990	4890	266	156	287	24	127	158	9.7	9.1
2	6.8	78	659	1260	208	143	235	23	111	115	8.4	9.1
3	5.7	64	365	1690	165	130	163	21	140	81	7.9	9.1
4	5.3	56	243	1000	152	123	132	19	108	63	6.8	8.4
5	5.3	54	185	515	134	125	113	16	72	51	6.3	6.8
6	5.2	56	213	353	211	149	101	15	49	76	7.3	5.8
7	4.7	58	611	300	171	171	92	15	36	53	40	6.3
8	23	57	458	250	140	129	83	14	27	34	28	5.8
9	198	56	299	210	120	113	75	13	20	36	14	12
10	208	187	269	190	110	103	68	12	17	31	23	28
11	104	549	231	180	148	98	67	12	14	24	20	30
12	65	285	186	200	202	97	65	12	12	20	15	18
13	42	166	149	686	200	136	60	13	10	17	12	14
14	26	117	133	3320	230	199	59	16	9.0	15	12	10
15	19	89	877	919	269	152	54	22	8.1	16	459	9.1
16	17	74	2240	537	196	124	51	24	20	62	215	8.4
17	20	63	717	423	405	109	47	29	55	46	101	7.3
18	452	55	412	283	7100	98	42	42	48	40	59	6.3
19	1170	50	255	226	3090	92	37	35	336	43	53	4.9
20	727	48	196	180	940	88	34	36	163	34	28	4.9
21	398	46	166	150	685	963	34	37	89	24	17	4.5
22	229	44	133	135	1130	668	37	34	176	20	14	4.0
23	148	41	113	131	678	327	34	25	136	16	11	2.9
24	107	38	103	220	433	226	32	20	168	14	9.7	2.6
25	84	37	98	662	340	177	34	17	699	12	9.1	2.9
26	70	36	1300	7230	282	150	39	16	631	17	9.1	2.9
27	60	61	1060	2100	232	140	36	14	281	14	8.4	131
28	53	77	517	709	198	148	31	14	157	13	9.1	88
29	53	132	358	504	174	146	29	17	114	12	21	48
30	95	917	659	389	---	163	26	17	243	11	21	48
31	167	---	2470	314	---	200	---	113	---	9.7	12	---
TOTAL	4576.0	3701	17665	30156	18609	5843	2197	737	4076.1	1177.7	1266.8	548.1
MEAN	148	123	570	973	642	188	73.2	23.8	136	38.0	40.9	18.3
MAX	1170	917	2470	7230	7100	963	287	113	699	158	459	131
MIN	4.7	36	98	131	110	88	26	12	8.1	9.7	6.3	2.6
CFSM	.51	.42	1.95	3.32	2.19	.64	.25	.08	.46	.13	.14	.06
IN.	.58	.47	2.24	3.83	2.36	.74	.28	.09	.52	.15	.16	.07

CAL YR 1975 TOTAL 150518.0 MEAN 412 MAX 11200 MIN 2.6 CFSM 1.41 IN 19.10
WTR YR 1976 TOTAL 90552.7 MEAN 247 MAX 7230 MIN 2.6 CFSM .84 IN 11.50

PEAK DISCHARGE (BASE, 7,500 FT^3/S) Jan. 26 (1200) 9,510 ft^3/s (20.27 ft); Feb. 18 (1300) 8,820 ft^3/s (19.83 ft).

03366500 Muscatatuck River near Deputy, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
JAN. 28...	1400	2.0	684	33	61

03368000 Brush Creek near Nebraska, Ind.

LOCATION.--Lat 39°04'13", long 85°29'10", in NW¼NE¼ sec.11, T.7 N., R.9 E., Jennings County, on right bank at downstream side of county road bridge, 1.5 miles (2.4 km) northwest of Nebraska, 2.9 miles (4.7 km) northeast of Butlerville, and 3.6 miles (5.8 km) upstream from Brush Creek Dam.

DRAINAGE AREA.--11.4 mi^2 (29.5 km^2).

PERIOD OF RECORD.--May 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 717.17 ft (218.593 m) above mean sea level (levels by State of Indiana, Department of Natural Resources).

AVERAGE DISCHARGE.--21 years, 12.8 ft^3/s (0.362 m^3/s), 15.25 in/yr (387 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,300 ft^3/s (36.8 m^3/s) Jan. 13, gage height, 7.65 ft (2.332 m); no flow many days in July, August and September.
Period of record: Maximum discharge, 3,440 ft^3/s (97.4 m^3/s) May 24, 1968, gage height, 11.40 ft (3.475 m), from rating curve extended above 440 ft^3/s (12.5 m^3/s) on basis of contracted-opening measurement of peak flow at gage height, 9.70 ft (2.957 m); no flow at times most years.

REMARKS.--Records fair.

REVISIONS.--WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.86	2.6	23	56	5.2	4.6	4.9	1.2	1.5	.77	.22	0
2	.70	2.1	10	36	4.2	4.4	3.9	1.1	1.1	.63	.08	0
3	.50	2.1	6.5	43	3.7	41	3.4	1.0	.79	.46	.02	0
4	.50	1.7	4.9	13	3.5	21	3.3	1.0	.67	.36	0	0
5	.50	1.5	4.0	7.9	4.4	37	2.8	.97	.53	.26	0	0
6	.50	1.4	8.6	6.4	5.7	13	2.6	.94	.43	4.4	8.9	0
7	.50	1.5	9.4	6.8	3.9	8.9	2.3	.91	.35	2.6	2.0	0
8	25	1.5	5.7	5.6	3.1	7.3	2.1	.89	.31	.55	.30	0
9	4.3	1.5	6.0	4.0	2.8	6.1	1.9	.84	.29	.30	.14	.04
10	1.4	15	6.2	3.9	3.0	5.3	1.8	.83	.26	.22	.08	.30
11	.97	5.8	4.5	5.2	6.9	5.7	2.2	.73	.22	.17	.04	.09
12	1.0	3.5	3.9	7.0	5.1	9.8	1.8	.70	.19	.13	.02	.03
13	1.0	2.6	4.6	248	10	16	1.8	.65	.16	.09	.04	.01
14	1.0	2.2	4.1	44	10	7.7	1.7	.61	.14	.06	20	0
15	2.4	1.9	102	17	6.6	6.4	1.6	.61	.12	.04	1.8	0
16	4.3	1.7	27	14	56	6.2	1.6	1.0	.30	.30	.51	0
17	12	1.5	12	9.6	66	5.2	1.5	.91	.37	.24	.24	0
18	51	1.4	6.5	6.9	341	4.8	1.3	1.1	.37	.13	.15	0
19	45	1.3	4.6	5.0	40	4.4	1.3	.94	2.0	.06	.09	0
20	22	1.4	3.8	4.5	16	8.6	1.3	.83	.68	.03	.08	0
21	7.7	1.6	3.0	4.0	61	29	2.4	.75	.34	.01	.04	0
22	4.3	1.4	2.6	3.8	33	7.7	3.0	.64	.27	.01	.03	0
23	3.0	1.3	2.4	4.0	14	5.9	1.8	.54	.31	0	.01	0
24	2.3	1.2	2.4	22	11	5.1	1.6	.50	.55	0	.01	0
25	1.9	1.3	2.8	197	8.5	4.4	2.2	.43	.79	0	.01	0
26	1.7	1.3	80	287	7.2	4.0	2.0	.42	.68	0	0	0
27	1.5	2.8	14	21	6.2	5.3	1.6	.40	.46	.01	0	0
28	1.4	2.6	8.8	13	5.7	4.5	1.4	.39	.36	0	0	0
29	16	15	7.8	9.7	5.2	4.0	1.3	.47	.34	.01	0	0
30	7.1	84	76	8.2	---	4.3	1.2	.51	.65	0	0	0
31	3.5	---	206	6.8	---	5.6	---	.63	---	.80	0	---
TOTAL	225.83	166.7	663.1	1120.3	748.9	303.2	63.6	23.44	15.53	12.64	34.81	.47
MEAN	7.28	5.56	21.4	36.1	25.8	9.78	2.12	.76	.52	.41	1.12	.016
MAX	51	84	206	287	341	41	4.9	1.2	2.0	4.4	20	.30
MIN	.50	1.2	2.4	3.8	2.8	4.0	1.2	.39	.12	0	0	0
CFSM	.64	.49	1.88	3.17	2.26	.86	.19	.07	.05	.04	.10	.001
IN.	.74	.54	2.16	3.66	2.44	.99	.21	.08	.05	.04	.11	.002

CAL YR 1975 TOTAL 6155.94 MEAN 16.9 MAX 858 MIN 0 CFSM 1.48 IN 20.09
WTR YR 1976 TOTAL 3378.52 MEAN 9.23 MAX 341 MIN 0 CFSM .81 IN 11.02

PEAK DISCHARGE (BASE, 950 FT^3/S).--Jan. 13 (1730) 1,300 ft^3/s (7.65 ft).

03369000 Vernon Fork near Butlerville, Ind.

LOCATION.--Lat 39°02'55", long 85°32'40", in NW¼SE¼ sec.17, T.7 N., R.9 E., Jennings County, on left bank 0.3 mile (0.5 km) downstream from Muscatatuck State School dam, 1.1 miles (1.8 km) downstream from Brush Creek, 2 miles (3 km) northwest of Butlerville, and at mile 50.6 (81.4 km).

DRAINAGE AREA.--85.9 mi^2 (222.5 km^2).

PERIOD OF RECORD.--February 1942 to current year. Prior to October 1960, published as North Fork of Vernon Fork near Butlerville.

GAGE.--Water-stage recorder. Datum of gage is 669.40 ft (204.033 m) above mean sea level. Prior to Aug. 19, 1942, non-recording gage at same site and datum.

AVERAGE DISCHARGE.--34 years, 93.4 ft^3/s (2.645 m^3/s), 14.77 in/yr (375 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,050 ft^3/s (143 m^3/s) Jan. 26, gage height, 12.12 ft (3.694 m); minimum daily, 0.79 ft^3/s (0.022 m^3/s) Sept. 25.
Period of record: Maximum discharge, 26,200 ft^3/s (742 m^3/s) Jan. 21, 1959, gage height, 25.41 ft (7.745 m), from rating curve extended above 10,000 ft^3/s (283 m^3/s) on basis of slope-area measurement of peak flow; no flow at times during 1944, 1945, 1949, and 1968.

REMARKS.--Records good except for period of no gage-height record, Apr. 13 to May 27, which is poor. Water supply for the Muscatatuck State School is diverted and the sewage effluent returned above station. Flow regulated by Brush Creek Reservoir.

REVISIONS.--WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	41	300	842	112	33	41	10	61	9.6	4.5	1.6
2	4.3	32	113	209	97	31	35	10	83	7.5	3.8	1.5
3	3.8	28	75	291	55	252	31	9.5	31	5.3	3.4	1.4
4	3.6	26	56	141	28	335	29	9.0	18	4.3	2.2	1.3
5	3.6	24	45	78	28	267	26	8.5	12	4.3	1.8	1.2
6	3.6	22	46	60	29	121	24	27	8.3	3.4	29	1.3
7	3.4	22	60	48	22	78	22	35	6.7	81	86	1.4
8	64	21	46	40	20	60	20	33	6.0	23	17	1.3
9	85	20	43	35	20	51	18	31	4.5	15	6.7	1.6
10	41	70	48	34	22	43	17	18	3.9	7.7	3.9	1.9
11	23	68	41	34	37	43	18	6.5	3.4	5.1	2.5	1.6
12	18	39	35	35	36	45	18	6.0	2.9	3.8	1.9	1.5
13	15	31	37	1040	35	134	16	5.5	2.6	2.6	11	1.6
14	13	26	37	807	78	67	15	5.0	2.4	2.4	291	1.5
15	12	23	1040	168	48	54	14	5.0	2.2	2.5	83	1.4
16	29	21	363	123	272	50	14	5.2	4.1	48	27	1.4
17	29	19	137	86	175	45	13	5.6	3.4	41	13	1.2
18	214	17	84	57	1970	39	12	6.0	5.1	12	7.2	1.0
19	305	16	54	45	406	37	11	5.6	28	6.0	4.7	.86
20	200	17	45	38	178	38	11	5.4	22	3.9	3.6	1.0
21	90	18	35	41	460	175	13	5.0	8.6	3.3	2.8	1.2
22	53	18	31	38	332	93	16	4.7	5.7	16	2.4	2.4
23	38	15	28	30	168	64	18	4.3	4.9	18	2.1	21
24	30	14	26	35	141	54	15	4.0	6.7	6.9	1.9	1.1
25	24	14	26	778	125	47	15	3.5	25	4.1	1.8	.79
26	22	16	402	2700	114	42	17	3.3	19	2.5	1.8	1.1
27	20	21	138	280	78	46	15	3.0	11	2.5	6.4	64
28	17	25	86	148	41	50	14	3.1	8.3	2.1	4.9	21
29	107	35	67	134	37	41	12	3.1	6.4	2.2	2.8	9.6
30	103	703	600	130	---	40	11	3.8	8.3	2.1	1.9	6.0
31	55	---	1210	119	---	42	---	5.5	---	5.7	1.6	---
TOTAL	1634.2	1462	5354	8644	5164	2517	551	290.1	414.4	353.8	633.6	155.75
MEAN	52.7	48.7	173	279	178	81.2	18.4	9.36	13.8	11.4	20.4	5.19
MAX	305	703	1210	2700	1970	335	41	35	83	81	291	64
MIN	3.4	14	26	30	20	31	11	3.0	2.2	2.1	1.6	.79
CFSM	.61	.57	2.01	3.25	2.07	.95	.21	.11	.16	.13	.24	.06
IN.	.71	.63	2.32	3.74	2.24	1.09	.24	.13	.18	.15	.27	.07

CAL YR 1975 TOTAL 48826.90 MEAN 134 MAX 4050 MIN 1.8 CFSM 1.56 IN 21.14
WTR YR 1976 TOTAL 27173.85 MEAN 74.2 MAX 2700 MIN .79 CFSM .86 IN 11.77

PEAK DISCHARGE (BASE, 4,000 FT^3/S) Jan. 13 (2200) 4,650 ft^3/s (11.56 ft): Jan. 26 (0700) 5,050 ft^3/s (12.12 ft).

03369500 Vernon Fork at Vernon, Ind.

LOCATION.--Lat 38°58'34", long 85°37'13", in NW¼SE¼ sec.10, T.6 N., R.8 E., Jennings County, at downstream end of left bank bridge pier, 1 mile (2 km) southwest of Vernon, 3.1 miles (5.0 km) downstream from Otter Creek, and at mile 36.4 (58.6 km).

DRAINAGE AREA.--198 mi^2 (513 km^2).

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for some periods, published in WSP 1305.

GAGE.--Water-stage recorder. Datum of gage is 587.30 ft (179.009 m) above mean sea level, supplementary adjustment of 1944 (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 at same datum.

AVERAGE DISCHARGE.--37 years, 218 ft^3/s (6.174 m^3/s), 14.95 in/yr (380 mm/yr).

EXTREMES.--Current year: Maximum discharge, 8,730 ft^3/s (247 m^3/s) Jan. 26, gage height, 14.20 ft (4.328 m); minimum daily, 2.2 ft^3/s (0.062 m^3/s) Aug. 2.
Period of record: Maximum discharge, 56,800 ft^3/s (1,610 m^3/s) Jan. 21, 1959, from rating curve extended above 24,000 ft^3/s (680 m^3/s) on basis of slope-area measurement of peak flow, gage height, 32.83 ft (10.007 m), from high-water mark. No flow at times in 1940, 1943-44.

REMARKS.--Records good. Diversion above station for municipal water supply of North Vernon and Vernon. Part of this diversion 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.

REVISIONS (WATER YEARS).--WSP 1335: 1940, 1953. WSP 1909: 1952-53. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	103	1240	2690	202	94	126	29	150	22	2.8	3.8
2	9.0	78	321	665	171	85	103	28	150	17	2.2	3.8
3	8.3	66	206	887	145	82	86	26	80	14	2.4	3.6
4	7.7	56	152	442	83	687	80	24	45	12	2.8	13
5	6.4	51	123	217	79	417	74	23	30	9.6	2.4	13
6	6.0	46	129	150	99	335	67	78	23	7.9	4.2	13
7	7.4	47	207	130	74	177	61	99	18	42	144	13
8	65	44	155	110	65	136	55	95	15	51	72	13
9	413	42	128	95	58	115	50	91	12	24	28	17
10	130	155	129	95	59	100	46	53	11	19	16	42
11	67	255	121	95	85	95	47	19	9.0	12	9.9	18
12	39	126	100	100	110	102	48	16	8.0	8.2	6.3	14
13	26	94	93	931	97	259	44	14	7.0	6.1	11	13
14	22	74	97	2730	177	175	41	14	6.0	4.7	347	13
15	19	59	1530	482	134	124	39	15	6.0	5.1	338	13
16	18	52	1320	304	430	112	39	17	11	36	79	13
17	46	47	399	216	481	103	36	22	95	70	39	14
18	694	42	233	133	4100	91	34	27	14	43	23	13
19	998	36	152	100	1600	85	32	24	55	22	17	13
20	549	38	120	90	515	82	31	21	60	13	13	13
21	274	44	100	85	634	427	35	18	35	9.0	8.7	13
22	152	42	85	80	1050	261	46	15	23	6.6	6.8	11
23	103	38	75	82	423	165	51	12	17	9.0	5.1	6.3
24	72	33	68	144	298	134	42	11	19	18	4.4	4.2
25	56	32	65	1010	249	115	42	10	45	11	4.4	3.2
26	46	33	980	5730	218	103	47	9.0	52	6.6	4.3	6.1
27	38	50	486	907	191	107	44	8.5	36	5.6	3.6	97
28	33	66	253	389	121	121	38	8.5	24	5.4	3.6	82
29	100	125	193	303	103	105	33	9.0	20	4.7	4.2	25
30	362	916	930	264	---	100	30	11	23	4.0	4.9	17
31	145	---	2010	222	---	110	---	15	---	3.4	4.7	---
TOTAL	4521.8	2890	12200	19878	12051	5204	1547	862.0	1099.0	521.9	1214.7	537.0
MEAN	146	96.3	394	641	416	168	51.6	27.8	36.6	16.8	39.2	17.9
MAX	998	916	2010	5730	4100	687	126	99	150	70	347	97
MIN	6.0	32	65	80	58	82	30	8.5	6.0	3.4	2.2	3.2
CFSM	.74	.49	1.99	3.24	2.10	.85	.26	.14	.18	.08	.20	.09
IN.	.85	.54	2.29	3.73	2.26	.98	.29	.16	.21	.10	.23	.10

CAL YR 1975 TOTAL 107943.3 MEAN 296 MAX 7820 MIN 2.6 CFSM 1.49 IN 20.28
WTR YR 1976 TOTAL 62526.4 MEAN 171 MAX 5730 MIN 2.2 CFSM .86 IN 11.75

PEAK DISCHARGE (BASE, 6,000 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-14	0200	12.92	7,310	02-18	0900	12.25	6,590
01-26	0900	14.20	8,730				

03371500 East Fork White River near Bedford, Ind.

LOCATION.--Lat 38°46'10", long 86°24'30", in SW¼NE¼ sec.21, T.4 N., R.1 E., Lawrence County, on downstream side of center pier of bridge on county road, 0.4 mile (0.6 km) upstream from Mill Creek, 2.9 miles (4.7 km) downstream from Sugar Creek, 3.9 miles (6.3 km) northeast of Mitchell, 7.8 miles (12.6 km) southeast of Bedford, and at mile 153.3 (246.7 km).

DRAINAGE AREA.--3,861 mi^2 (10,000 km^2).

PERIOD OF RECORD.--May 1939 to current year (high-water records only October 1943 to September 1957).

GAGE.--Water-stage recorder. Datum of gage is 473.59 ft (144.350 m) above mean sea level. Prior to Feb. 6, 1940, nonrecording gage, and Feb. 6, 1940, to Sept. 24, 1957, water-stage recorder, at site 9.8 miles (15.8 km) (revised) downstream at datum 4.39 ft (1.338 m) lower (now used as an auxiliary gage).

AVERAGE DISCHARGE.--23 years (1939-43, 1957 to current year), 3,738 ft^3/s (105.8 m^3/s), 11.86 in/yr (301 mm/yr).

EXTREMES.--Current year: Maximum discharge, 21,400 ft^3/s (606 m^3/s) Jan. 30, gage height, 21.64 ft (6.596 m); minimum daily discharge, 348 ft^3/s (9.86 m^3/s) Sept. 25.
Period of record: Maximum discharge, 75,700 ft^3/s (2,140 m^3/s) Mar. 12, 1964; maximum gage height, 35.97 ft (10.964 m) May 11, 1961; minimum daily discharge, 138 ft^3/s (3.91 m^3/s) Sept. 7, 1941.
Flood in March 1913 reached a stage of 47.5 ft (14.48 m), from floodmark determined by Corps of Engineers, discharge, 155,000 ft^3/s (4,390 m^3/s) at former site.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 2109: Drainage area. WRD Ind. 1973: 1972.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	518	1260	3450	8960	15800	5020	3070	1280	1300	1550	837	564
2	507	1280	4890	10100	13500	4440	3030	1230	1580	1720	803	561
3	498	1150	6280	12900	8500	4080	2930	1190	2580	2540	788	555
4	483	1040	5860	15700	5790	4000	2760	1170	3140	3020	760	542
5	466	955	4210	16400	4400	4610	2570	1140	2680	2700	733	530
6	454	898	3170	16100	3990	5560	2420	1110	2180	2480	716	509
7	441	1090	2810	13100	3760	6540	2300	1100	1820	2220	702	497
8	520	1320	2770	10000	3720	7450	2170	1080	1560	1990	731	484
9	585	1480	2860	7000	3820	7340	2050	1080	1380	1780	829	494
10	666	2250	2660	5300	3620	6130	1950	1120	1240	1640	969	537
11	925	1950	2420	4600	3510	4980	1880	1150	1140	1520	1000	578
12	1030	2250	2260	4100	3740	4330	1820	1110	1060	1410	892	567
13	878	2510	2100	3800	4440	4050	1770	1060	996	1290	824	518
14	744	2210	1950	3700	5210	4000	1730	1040	939	1200	774	501
15	640	1840	2290	7410	5370	4210	1690	1010	888	1340	827	480
16	565	1600	3900	8720	5040	4240	1640	1010	857	2240	996	459
17	545	1420	6040	9500	4790	3860	1600	1050	836	2140	1640	433
18	1020	1300	7820	7200	7320	3510	1550	1150	842	1790	1500	417
19	1550	1190	8760	5700	9920	3300	1500	1180	855	1490	1220	401
20	2310	1130	8370	4900	13400	3150	1460	1120	1000	1330	1030	399
21	3050	1090	6030	4200	17400	3480	1430	1060	1230	1220	898	385
22	2850	1040	4390	3800	19500	4250	1410	1010	1190	1180	813	373
23	2240	1020	3600	3500	19000	5590	1390	966	1150	1180	748	360
24	1740	993	3060	3200	18500	5840	1380	926	1230	1060	697	354
25	1430	975	2730	4200	17700	5100	1390	890	1350	984	661	348
26	1220	954	3530	7700	14300	4310	1400	859	1840	1010	639	360
27	1090	968	5250	10500	11100	3850	1380	831	2380	989	612	367
28	1000	984	6560	13200	8340	3550	1380	822	2230	986	612	458
29	953	1160	6880	17700	6100	3360	1370	821	1850	973	676	481
30	939	2180	6300	21000	---	3220	1330	820	1710	896	611	530
31	1000	---	6700	19800	---	3110	---	1050	---	862	581	---
TOTAL	32857	41487	139900	283990	261580	140460	55750	32435	45033	48730	26119	14042
MEAN	1060	1383	4513	9161	9020	4531	1858	1046	1501	1572	843	468
MAX	3050	2510	8760	21000	19500	7450	3070	1280	3140	3020	1640	578
MIN	441	898	1950	3200	3510	3110	1330	820	836	862	581	348
CFSM	.27	.36	1.17	2.37	2.34	1.17	.48	.27	.39	.41	.22	.12
IN.	.32	.40	1.35	2.74	2.52	1.35	.54	.31	.43	.47	.25	.14

CAL YR 1975 TOTAL 1807557 MEAN 4952 MAX 48800 MIN 438 CFSM 1.28 IN 17.42
WTR YR 1976 TOTAL 1122383 MEAN 3067 MAX 21000 MIN 348 CFSM .79 IN 10.81

PEAK DISCHARGE (BASE, 13,000 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-04	2400	18.71	16,600	02-22	1400	21.42	20,000
01-30	2000	21.64	21,400				

03371520 Back Creek at Leesville, Ind.

LOCATION.--Lat 38°50'48", long 86°18'06", in SW¼SE¼ sec.21, T.5 N., R.2 E., Lawrence County, on left bank at downstream side of county road bridge, 0.9 mile (1.4 km) west of Leesville, 2.5 miles (4.0 km) upstream from Jones Defeat Hollow and 7 miles (11 km) above mouth.

DRAINAGE AREA.--24.1 mi^2 (62.4 km^2).

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

GAGE.--Water-stage recorder. Datum of gage is 575.00 ft (175.260 m) above mean sea level.

AVERAGE DISCHARGE.--6 years, 33.7 ft^3/s (0.954 m^3/s), 18.99 in/yr (482 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,920 ft^3/s (54.4 m^3/s) Jan. 26, gage height, 6.40 ft (1.951 m); no flow Aug. 28, 30 to Sept. 1, 5-8.
Period of record: Maximum discharge, 15,300 ft^3/s (433 m^3/s) July 21, 1973, gage height, 14.0 ft (4.27 m), from floodmarks, from rating extended above 550 ft^3/s (15.6 m^3/s) on basis of step-backwater analysis and contracted-opening and flow-over-road measurement of peak flow; no flow at times during 1971, 1975, and 1976.
Flood in 1913 reached a stage of 18.1 ft (5.52 m) from information by local resident.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WRD Ind. 1972: 1971.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.53	3.1	65	93	31	24	18	3.3	72	3.8	2.4	0
2	.42	2.6	38	53	28	23	17	3.1	32	2.7	1.7	.13
3	.37	2.4	27	44	25	216	16	3.0	17	2.0	1.1	.13
4	.32	2.4	22	34	23	148	15	2.7	12	1.4	.93	.07
5	.28	2.2	19	30	22	97	14	2.4	9.0	1.1	.75	0
6	.28	2.2	19	24	22	58	13	2.6	6.9	.75	1.1	0
7	.28	20	17	21	21	41	13	3.4	5.6	1.7	2.0	0
8	2.9	15	16	19	21	33	12	3.0	4.9	1.1	1.2	0
9	3.5	121	16	17	21	27	10	2.7	4.6	.60	.75	21
10	1.7	150	15	16	21	23	9.9	2.5	3.8	.48	.60	6.4
11	1.4	51	14	15	22	22	11	2.4	3.1	.27	.48	2.0
12	1.2	34	13	19	21	23	11	2.3	2.7	.13	.27	.75
13	1.4	27	13	51	22	26	8.8	2.2	2.0	.13	3.4	.48
14	1.6	22	12	46	22	22	8.4	2.8	1.4	.27	3.4	.27
15	1.6	19	130	32	21	21	7.5	3.3	1.1	23	1.7	.27
16	1.6	17	59	26	21	20	7.2	3.5	1.4	57	1.1	.19
17	3.6	15	37	23	24	19	6.6	3.9	1.4	9.6	.75	.13
18	27	13	28	22	198	19	5.7	3.8	1.1	5.2	.48	.13
19	13	12	25	19	84	18	5.4	3.3	1.1	3.8	.38	.10
20	8.4	14	19	16	56	29	4.9	3.0	.93	2.7	.19	.19
21	5.2	15	16	14	219	98	4.8	2.7	.75	2.0	.13	.27
22	3.7	13	14	12	134	44	4.7	2.5	1.7	2.4	.10	.19
23	3.0	11	13	14	73	33	4.4	2.3	1.7	1.7	.07	.13
24	2.5	10	12	18	55	28	4.0	2.1	4.1	1.1	.03	.07
25	2.4	9.9	12	247	44	25	5.2	2.0	4.6	3.4	.03	.03
26	2.2	9.6	75	498	37	22	5.5	1.9	3.6	1.4	.07	3.4
27	2.0	13	36	107	32	23	4.6	1.8	2.7	66	.03	24
28	1.9	12	27	73	29	20	4.0	2.1	3.4	6.9	0	6.0
29	3.4	25	23	51	26	19	3.7	2.6	4.6	6.4	.03	3.4
30	5.2	254	179	41	---	21	3.4	2.5	4.6	4.9	0	3.1
31	3.8	---	129	33	---	19	---	84	---	3.4	0	---
TOTAL	106.68	917.4	1140	1728	1375	1261	258.7	165.7	215.98	217.33	25.17	72.83
MEAN	3.44	30.6	36.8	55.7	47.4	40.7	8.62	5.35	7.20	7.01	.81	2.43
MAX	27	254	179	498	219	216	18	84	72	66	3.4	24
MIN	.28	2.2	12	12	21	18	3.4	1.8	.75	.13	0	0
CFSM	.14	1.27	1.53	2.31	1.97	1.69	.36	.22	.30	.29	.03	.10
IN.	.16	1.42	1.76	2.67	2.12	1.95	.40	.26	.33	.34	.04	.11

CAL YR 1975 TOTAL 10609.83 MEAN 29.1 MAX 1030 MIN 0 CFSM 1.21 IN 16.38
WTR YR 1976 TOTAL 7483.79 MEAN 20.4 MAX 498 MIN 0 CFSM .85 IN 11.55

PEAK DISCHARGE (BASE, 400 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-09	2030	4.57	771	02-21	1200	4.59	719
11-30	1315	4.54	751	03-03	1830	6.14	1,680
12-15	1245	4.12	500	05-31	0530	4.20	550
01-26	0030	6.40	1,920	07-15	1900	4.72	851

03371650 North Fork Salt Creek at Nashville, Ind.

LOCATION.--Lat 39°12'06", long 86°14'51", in NW¼SW¼ sec.19, T.9 N., R.3 E., Brown County, on right bank 90 ft (27 m) downstream from bridge on State Highway 46, 800 ft (244 m) downstream from Greasy Creek, 0.4 mile (0.6 km) south of center of Nashville, and at mile 32.5 (52.3 km).

DRAINAGE AREA.--76.1 mi^2 (197.1 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: July 1962 to September 1976 (discontinued as a continuous-record station; converted to a crest-stage and low-flow partial-record station).
CHEMICAL ANALYSES: February 1974 to September 1976.
WATER TEMPERATURE: February 1974 to September 1976.

GAGE.--Water-stage recorder and multi-parameter monitor. Datum of gage is 579.58 ft (176.656 m) above mean sea level. Prior to Sept. 16, 1964, nonrecording gage at site 90 ft (27 m) upstream at same datum.

AVERAGE DISCHARGE.--14 years, 78.9 ft^3/s (2.234 m^3/s), 14.08 in/yr (358 mm/yr).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.46	19	378	587	48	52	84	13	106	4.4	.29	.19
2	.52	15	150	272	42	48	72	12	96	3.9	.29	.22
3	.61	13	90	204	38	45	62	12	42	3.3	.25	.20
4	.65	12	63	140	34	262	56	11	25	2.6	.22	.19
5	.67	11	51	115	32	498	49	10	17	2.2	.19	.19
6	.64	11	46	90	36	268	43	9.5	12	1.9	.20	.18
7	.61	28	43	76	29	169	39	11	9.6	1.8	.20	.17
8	2.0	44	39	60	32	123	34	11	7.8	1.6	.17	.16
9	2.1	61	38	52	33	98	30	10	6.4	1.6	.16	2.7
10	1.7	419	35	45	37	79	26	9.4	5.3	1.6	.13	.56
11	.78	137	32	40	47	75	27	8.7	4.4	1.6	.12	.29
12	.69	68	31	50	41	76	26	7.9	3.9	1.5	.10	.27
13	.55	47	33	134	41	100	22	8.3	3.3	1.1	.11	.25
14	.64	35	31	288	42	82	21	11	2.9	1.0	.09	.24
15	.57	27	976	158	40	73	20	14	2.6	1.9	.09	.24
16	.73	23	398	110	47	70	19	18	2.4	2.7	.07	.24
17	10	19	187	70	194	63	17	20	2.4	2.1	.14	.23
18	111	17	113	50	1090	57	16	17	2.2	1.4	.20	.23
19	63	15	79	45	305	54	15	13	2.1	.92	.19	.22
20	40	16	65	40	179	68	15	13	1.9	.72	.20	.24
21	28	18	52	36	518	450	15	11	1.8	.65	.19	.23
22	19	17	40	33	380	208	15	10	2.2	.57	.18	.21
23	15	15	36	37	204	147	13	9.0	2.1	.46	.17	.20
24	13	14	32	50	157	115	12	7.8	3.1	.29	.16	.19
25	12	14	31	553	117	94	15	7.0	3.5	.27	.17	.18
26	11	14	279	1230	98	80	19	6.5	3.3	.27	.17	.27
27	11	18	186	305	83	86	17	5.9	2.9	.27	.16	.58
28	10	18	121	150	70	77	15	6.8	3.9	.27	.16	.36
29	30	27	94	105	60	73	14	7.7	3.7	.30	.15	.28
30	43	1030	852	80	---	105	13	9.4	4.8	.27	.14	2.2
31	25	---	718	60	---	94	---	11	---	.27	.13	---
TOTAL	454.92	2222	5319	5265	4074	3889	841	331.9	386.5	43.73	5.19	11.91
MEAN	14.7	74.1	172	170	140	125	28.0	10.7	12.9	1.41	.17	.40
MAX	111	1030	976	1230	1090	498	84	20	106	4.4	.29	2.7
MIN	.46	11	31	33	29	45	12	5.9	1.8	.27	.07	.16
CFSM	.19	.97	2.26	2.23	1.84	1.64	.37	.14	.17	.02	.002	.005
IN.	.22	1.09	2.60	2.57	1.99	1.90	.41	.16	.19	.02	.003	.006

CAL YR 1975 TOTAL 41342.13 MEAN 113 MAX 3440 MIN .27 CFSM 1.48 IN 20.21
WTR YR 1976 TOTAL 22844.15 MEAN 62.4 MAX 1230 MIN .07 CFSM .82 IN 11.17

PEAK DISCHARGE (BASE, 1,800 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-30	1700	9.22	2,170	01-26	0200	9.64	2,340
12-15	1500	9.67	2,350	02-18	0500	9.09	2,110

03371650 North Fork Salt Creek at Nashville, Ind.--Continued

EXTREMES.--WATER DISCHARGE, Current year: Maximum discharge, 2,350 ft^3/s (66.5 m^3/s) Dec. 15, gage height, 9.67 ft (2.947 m); minimum daily, 0.07 ft^3/s (0.002 m^3/s) Aug. 16.
Period of record: Maximum discharge, 7,500 ft^3/s (212 m^3/s) Mar. 4, 1963; maximum gage height, 16.00 ft (4.877 m) May 24, 1968; no flow at times during 1948, 1952-55, 1964, 1965, 1972.

SPECIFIC CONDUCTANCE, Current year: Maximum observed conductance, 298 micromhos Sept. 25; minimum observed, 95 micromhos Dec. 15, Mar. 5.
Period of record: Maximum conductance, 357 micromhos Aug. 29, 1974; minimum, 50 micromhos Mar. 12, 1975.

WATER TEMPERATURE, Current year: Maximum observed temperature, 26.0°C July 15; minimum observed, 1.0°C Jan. 12.
Period of record: Maximum temperature, 29.0°C July 9, 1974; minimum, freezing point on many days during most winter periods.

REMARKS.--Water discharge records good, chemical and temperatures, poor.

REVISIONS.--WSP 2109: Drainage area.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	193	180	136	110	111	98			---	---
2	---	---	189	181	140	132	---	---			---	---
3	230	223	193	185	145	141	124	122			---	---
4	227	218	194	186	151	145	125	123			127	107
5	221	215	198	190	156	147	132	125			116	95
6	222	216	197	189	158	152	140	128			113	104
7	224	214	199	185	155	151	139	128			118	114
8	220	193	197	176	159	152	130	126			121	118
9	219	203	181	161	160	156	138	130			124	121
10	219	212	152	128	159	156	143	138			124	122
11	218	201	157	134	160	155	154	135			125	123
12	215	199	162	157	160	157	138	134			128	124
13	222	209	166	162	160	156	---	---			126	124
14	243	219	168	166	160	158	---	---			125	122
15	245	230	170	167	160	95	---	---			124	122
16	248	235	171	168	124	106	---	---			125	123
17	285	222	175	169	130	124	---	---			126	124
18	279	169	175	170	134	128	---	---			128	124
19	193	175	177	170	140	135	---	---			127	125
20	197	189	179	172	142	138	---	---			138	124
21	199	190	176	172	144	140	---	---			123	105
22	202	194	180	171	147	132	---	---			116	111
23	204	196	177	170	151	143	---	---			120	115
24	209	201	178	173	152	132	---	---			121	118
25	208	200	200	173	195	151	---	---			124	121
26	212	200	180	174	181	109	---	---			126	123
27	207	200	207	176	122	110	---	---			127	124
28	208	203	184	174	127	122	---	---			126	124
29	210	187	188	172	137	125	---	---			128	125
30	189	176	171	98	133	100	---	---			129	118
31	190	177	---	---	111	98	---	---			129	125
MONTH	285	169	207	98	195	95	---	---			138	95

03371650 North Fork Salt Creek at Nashville, Ind.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	129	125	156	152	193	130	---	---	---	---	---	---
2	130	126	157	153	145	138	---	---	---	---	---	---
3	131	128	160	153	152	140	---	---	---	---	---	---
4	133	129	160	157	157	150	---	---	---	---	---	---
5	134	129	161	159	160	156	---	---	---	---	---	---
6	134	131	160	159	---	---	---	---	---	---	---	---
7	136	132	164	159	---	---	---	---	---	---	---	---
8	139	135	164	160	---	---	---	---	---	---	---	---
9	139	136	165	162	---	---	---	---	---	---	---	---
10	141	138	165	162	---	---	---	---	---	---	287	249
11	145	136	165	163	---	---	---	---	---	---	---	---
12	143	139	166	163	---	---	---	---	191	183	---	---
13	144	140	191	158	---	---	---	---	---	---	---	---
14	146	142	188	167	---	---	---	---	---	---	284	280
15	146	143	175	167	---	---	169	165	---	---	291	283
16	146	143	170	167	---	---	172	162	183	180	291	286
17	149	144	172	168	---	---	176	170	183	170	294	285
18	151	145	170	168	---	---	178	174	174	168	293	288
19	153	149	172	169	---	---	---	---	170	165	295	287
20	160	151	---	---	---	---	---	---	---	---	293	280
21	156	149	---	---	---	---	---	---	---	---	290	285
22	156	152	---	---	---	---	---	---	---	---	290	281
23	157	152	---	---	---	---	---	---	---	---	293	285
24	157	154	---	---	---	---	---	---	---	---	293	288
25	158	154	175	172	---	---	---	---	---	---	298	291
26	156	153	177	172	---	---	198	193	---	---	294	277
27	155	152	176	171	220	171	---	---	---	---	285	279
28	158	153	190	171	---	---	---	---	---	---	284	231
29	157	153	190	173	183	164	---	---	---	---	---	---
30	154	151	189	162	---	---	---	---	---	---	---	---
31	---	---	192	178	---	---	---	---	---	---	---	---
MONTH	160	125	192	152	---	---	---	---	---	---	---	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1			---	---	19.5	18.5	---	---	---	---	---	---
2			---	---	20.5	17.5	---	---	---	---	---	---
3			---	---	19.5	18.5	---	---	---	---	---	---
4			---	---	22.5	17.5	---	---	---	---	---	---
5			---	---	23.5	19.0	---	---	---	---	---	---
6			---	---	---	---	---	---	---	---	---	---
7			---	---	---	---	---	---	---	---	---	---
8			---	---	24.0	21.0	---	---	---	---	---	---
9			---	---	---	---	---	---	---	---	---	---
10			---	---	---	---	---	---	---	---	19.0	17.5
11			---	---	---	---	---	---	---	---	18.0	17.0
12			---	---	---	---	---	---	23.0	21.5	---	---
13			---	---	---	---	---	---	---	---	---	---
14			---	---	---	---	---	---	---	---	19.5	18.0
15			---	---	---	---	26.0	24.5	---	---	19.5	18.0
16			---	---	---	---	25.5	24.0	23.5	22.0	19.0	18.0
17			---	---	---	---	24.5	23.0	23.0	21.0	19.5	11.0
18			---	---	---	---	24.5	22.0	22.0	20.0	20.0	18.0
19			---	---	---	---	24.0	21.5	21.5	20.0	19.5	18.0
20			---	---	---	---	---	---	---	---	19.0	16.5
21			---	---	---	---	24.0	22.0	---	---	18.0	15.5
22			---	---	---	---	---	---	23.0	21.0	18.0	16.0
23			---	---	---	---	---	---	---	---	17.0	15.5
24			---	---	---	---	---	---	---	---	17.0	15.5
25			21.0	18.5	---	---	---	---	---	---	17.5	15.5
26			20.5	17.0	---	---	24.5	24.0	---	---	17.5	16.0
27			22.0	17.5	25.5	22.0	---	---	25.5	23.5	16.5	15.5
28			20.0	18.5	---	---	---	---	---	---	15.5	14.5
29			19.5	18.0	---	---	---	---	---	---	---	---
30			19.5	17.0	---	---	---	---	---	---	---	---
31			20.0	18.5	---	---	---	---	---	---	---	---
MONTH			---	---	---	---	---	---	---	---	---	---

03372300 Stephens Creek near Bloomington, Ind.

LOCATION.--Lat 39°10'11", long 86°25'07", in NE¼NW¼ sec.4, T.8 N., R.1 E., Monroe County, on downstream side of right pier of bridge on State Highway 46, 0.2 mile (0.3 km) downstream from Kerr Creek, 4.0 miles (6.4 km) west of Belmont, and 6.1 miles (9.8 km) east of Bloomington.

DRAINAGE AREA.--10.9 mi^2 (28.2 km^2).

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

GAGE.--Water-stage recorder. Datum of gage is 550.00 ft (167.640 m) above mean sea level.

AVERAGE DISCHARGE.--6 years, 13.6 ft^3/s (0.385 m^3/s), 16.94 in/yr (430 mm/yr).

EXTREMES.--Current year: Maximum discharge, 422 ft^3/s (12.0 m^3/s) Nov. 30, gage height, 8.42 ft (2.566 m); no flow Aug. 11, 12, 16-31, Sept. 6-8, 22-29.
Period of record: Maximum discharge, 1,000 ft^3/s (28.3 m^3/s) May 29, 1974, gage height, 10.80 ft (3.292 m); no flow at times most years.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.48	2.8	60	61	11	8.2	19	2.2	39	1.6	.05	.01
2	.48	2.3	29	42	9.0	7.3	15	2.1	12	1.1	.03	.01
3	.48	2.0	17	33	7.0	7.2	12	2.0	6.4	.80	.02	.01
4	.34	1.7	12	25	6.7	64	10	1.8	4.4	.61	.02	.01
5	.32	1.6	9.2	19	6.1	65	8.1	1.6	3.2	.42	.02	.01
6	.32	1.5	9.9	16	5.8	43	7.2	1.6	2.4	.37	.02	0
7	.32	6.0	8.4	13	5.6	29	6.2	3.6	1.9	.30	.01	0
8	9.8	13	7.7	11	5.4	21	5.4	2.4	1.4	.19	.01	0
9	4.8	34	7.5	9.3	5.3	17	4.7	2.0	1.2	.20	.01	.02
10	4.7	58	6.5	8.5	6.9	13	4.3	1.8	.99	.14	.01	.07
11	3.4	33	5.8	8.2	7.5	13	4.6	1.7	.82	.12	0	.06
12	2.8	18	5.4	8.8	6.1	17	4.0	1.5	.68	.11	0	.05
13	2.4	12	5.0	20	6.5	20	3.6	1.4	.61	.10	.01	.05
14	1.8	8.2	4.6	22	6.3	18	3.4	3.0	.54	.10	.01	.04
15	1.0	6.1	128	17	6.2	15	3.3	2.8	.50	.14	.01	.03
16	2.5	4.7	59	14	9.9	14	3.0	2.6	.53	.19	0	.03
17	7.0	3.8	29	12	33	12	2.8	2.4	.48	.15	0	.02
18	20	3.0	16	10	127	11	2.6	2.1	.53	.15	0	.02
19	15	2.6	13	9.0	54	9.9	2.4	1.9	1.1	.15	0	.01
20	11	6.1	9.1	8.0	33	25	2.3	1.7	.62	.15	0	.01
21	8.0	6.2	6.6	7.3	82	72	2.9	1.4	.53	.15	0	.01
22	5.7	4.9	5.1	6.8	64	39	2.7	1.3	.50	.15	0	0
23	4.3	4.2	4.5	8.1	39	27	2.3	1.1	.50	.15	0	0
24	3.2	3.8	3.5	10	27	20	2.2	1.0	2.7	.12	0	0
25	2.3	3.7	3.5	105	21	16	3.3	.88	1.5	.12	0	0
26	1.7	3.4	35	104	16	13	3.4	.79	1.2	.10	0	0
27	1.3	4.5	20	46	13	16	2.8	.74	.80	.10	0	0
28	3.0	4.1	15	33	11	12	2.4	1.1	1.7	.10	0	0
29	7.0	22	13	22	9.6	16	2.3	1.3	1.4	.23	0	0
30	5.0	165	135	16	---	27	2.2	1.2	3.3	.08	0	.02
31	3.8	---	86	13	---	23	---	1.8	---	.06	0	---
TOTAL	134.24	442.2	769.3	738.0	640.9	710.6	150.4	54.81	93.43	8.45	.23	.49
MEAN	4.33	14.7	24.8	23.8	22.1	22.9	5.01	1.77	3.11	.27	.007	.016
MAX	20	165	135	105	127	72	19	3.6	39	1.6	.05	.07
MIN	.32	1.5	3.5	6.8	5.3	7.2	2.2	.74	.48	.06	0	0
CFSM	.40	1.35	2.28	2.18	2.03	2.10	.46	.16	.29	.02	0	.001
IN.	.46	1.51	2.63	2.52	2.19	2.42	.51	.19	.32	.03	.0008	.002

CAL YR 1975 TOTAL 6665.31 MEAN 18.3 MAX 360 MIN .13 CFSM 1.68 IN 22.75
WTR YR 1976 TOTAL 3743.05 MEAN 10.2 MAX 165 MIN 0 CFSM .94 IN 12.77

PEAK DISCHARGE (BASE, 350 FT^3/S).--Nov. 30 (1215) 422 ft^3/s (8.42 ft).

03372400 Monroe Lake near Harrodsburg, Ind.

LOCATION.--Lat 39°00'24", long 86°30'56", in SW¼SW¼ sec.27, T.7 N., R.1 W., Monroe County, in discharge tower of reservoir on Salt Creek, 1.3 miles (2.1 km) upstream from Clear Creek, 2.2 miles (3.5 km) southeast of Harrodsburg, and 26.1 miles (42.0 km) upstream from mouth.

DRAINAGE AREA.--432 mi^2 (1,119 km^2).

PERIOD OF RECORD.--April 1966 to current year. Prior to September 1970 published as Monroe "Reservoir".

GAGE.--Water-stage recorder. Datum of gage is 500.00 ft (152.400 m) above mean sea level (levels by Corps of Engineers).

EXTREMES.--Current year: Maximum contents, 223,980 acre-ft (276 hm^3) Jan. 5, elevation, 541.65 ft (165.095 m); minimum, 166,040 acre-ft (205 hm^3) Sept. 26, elevation, 536.45 ft (163.510 m).
Period of record: Maximum contents, 348,700 acre-ft (430 hm^3) May 2, 1973, elevation, 550.60 ft (167.823 m); minimum, 149,500 acre-ft (184 hm^3) Nov. 7, 1966, elevation, 534.77 ft (163.000 m).

REMARKS.--Reservoir is formed by earth and rock-fill dam. Releases normally controlled by three gates, 3.75 ft (1.143 m) wide and 12.0 ft (3.66 m) high, in semi-elliptical concrete conduit through dam. Minimum design capacity is 22,300 acre-ft (27.5 hm^3), elevation, 515 ft (157.0 m). Capacity at uncontrolled spillway elevation, 556 ft (169.5 m) is 446,000 acre-ft (550 hm^3). Reservoir is used for flood control, water supply of Bloomington, and recreation. Reservoir put in operation on Apr. 26, 1966.

COOPERATION.--Water-stage recorder graph and capacity tables furnished by Corps of Engineers.

Month-end elevation and contents, water year October 1975 to September 1976

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept. 30	536.73	168,900	-
Oct. 31	537.00	171,690	+2,790
Nov. 30	538.73	190,200	+18,510
Dec. 31	540.82	214,060	+23,860
Calendar year 1975	-	-	+25,760
Jan. 31	540.12	205,880	-8,180
Feb. 29	539.80	202,210	-3,670
Mar. 31	538.36	186,140	-16,070
Apr. 30	538.12	183,540	-2,600
May 31	537.95	181,710	-1,830
June 30	537.93	181,500	-210
July 31	537.58	177,770	-3,730
Aug. 31	536.95	171,170	-6,600
Sept. 30	536.50	166,550	-4,620
Water year 1976	-	-	-2,350

03372500 Salt Creek near Harrodsburg, Ind.

LOCATION.--Lat 39°00'16", long 86°30'31", in NE¼NW¼ sec.34, T.7 N., R.1 W., Monroe County, on right bank 0.35 mile (0.56 km) downstream from Monroe Lake, 0.9 mile (1.4 km) upstream from Clear Creek, 2.2 miles (3.5 km) southeast of Harrodsburg, and 25.7 miles (41.4 km) upstream from mouth.

DRAINAGE AREA.--432 mi^2 (1,119 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: May 1955 to current year.
WATER TEMPERATURE: August 1966 to September 1976 (discontinued).

GAGE.--WATER DISCHARGE: Nonrecording gage. Datum of gage is 480.00 ft (146.304 m) above mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1960, nonrecording gage at site 0.7 mile (1.1 km) upstream at datum 2.41 ft (0.735 m) higher. Oct. 1, 1960 to Sept. 30, 1974, water-stage recorder at present site and datum.
WATER TEMPERATURE: Recording gage.

AVERAGE DISCHARGE.--21 years, 480 ft^3/s (13.59 m^3/s), 15.09 in/yr (383 mm/yr).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	53	55	640	248	1930	382	54	54	54	53	53
2	47	53	55	239	853	1920	382	54	54	54	53	53
3	52	53	55	223	1610	1910	382	54	54	54	53	53
4	52	53	55	223	1770	1910	381	54	54	54	53	53
5	52	53	55	625	1770	1910	381	54	54	54	53	53
6	52	53	55	1600	1770	1890	381	54	54	54	53	53
7	52	53	55	1810	1760	1750	381	54	54	53	53	53
8	52	53	55	1810	1750	1540	381	54	54	53	53	53
9	53	53	55	1810	1640	947	282	54	54	53	53	53
10	53	53	55	1870	1000	598	212	54	54	53	53	53
11	52	53	55	1950	406	584	210	54	54	53	53	53
12	52	54	55	2020	381	582	209	54	54	53	53	53
13	52	54	55	1920	323	582	151	54	54	53	53	53
14	52	54	55	1790	214	582	107	54	54	53	53	53
15	52	54	109	1920	209	582	77	54	54	53	53	53
16	52	54	555	1920	315	582	55	54	54	53	53	53
17	52	54	905	1910	377	581	54	54	54	53	53	52
18	53	54	1340	1900	276	468	54	54	54	53	53	52
19	53	54	1690	1900	217	327	54	54	54	53	47	52
20	53	54	1770	1390	216	320	54	54	54	53	53	52
21	53	54	1470	784	216	504	54	54	54	53	53	52
22	53	54	1100	476	218	757	54	54	54	53	53	52
23	53	54	798	220	219	915	54	54	54	53	53	52
24	53	54	784	209	220	921	54	54	54	53	53	52
25	53	54	782	302	710	920	54	54	54	53	53	52
26	53	54	783	382	1550	919	54	54	54	53	53	52
27	53	54	786	392	1790	917	54	54	54	53	53	52
28	53	54	787	395	1790	717	54	54	54	53	53	52
29	53	54	787	395	1880	395	54	54	54	53	53	52
30	53	54	789	818	---	382	54	54	54	53	53	52
31	53	---	989	934	---	382	---	54	---	53	53	---
TOTAL	1621	1609	16994	34777	25698	29224	5110	1674	1620	1649	1637	1576
MEAN	52.3	53.6	548	1122	886	943	170	54.0	54.0	53.2	52.8	52.5
MAX	53	54	1770	2020	1880	1930	382	54	54	54	53	53
MIN	47	53	55	209	209	320	54	54	54	53	47	52

CAL YR 1975 TOTAL 223141 MEAN 611 MAX 2230 MIN 43
WTR YR 1976 TOTAL 123189 MEAN 337 MAX 2020 MIN 47

03372500 Salt Creek near Harrodsburg, Ind.--Continued

EXTREMES.--WATER DISCHARGE, Current year: Maximum daily discharge, 2,020 ft^3/s (57.2 m^3/s) Jan. 12; minimum daily, 47 ft^3/s (1.33 m^3/s) Oct. 2, Aug. 19.
Period of record: Maximum discharge, 22,000 ft^3/s (623 m^3/s) June 25, 1960, gage height, 32.76 ft (9.985 m) site and datum then in use; maximum gage height at present site and datum, 35.35 ft (10.775 m) May 9, 1961; no flow Sept. 29 to Dec. 2, 1964.

WATER TEMPERATURE, Current year: Maximum temperature, 26.5°C Aug. 1-3, 18, 19; minimum, 4.5°C Jan. 12 to Feb. 13.
Period of record: Maximum temperature, 29.0°C July 10, 11, 1973, July 30, 1975; minimum, 1.0°C Jan. 4, 5, 8-13, 1968. Maximum observed temperature, 31.0°C Aug. 6, 1964.

REMARKS.--Flow regulated by Monroe Lake (See sta 03372400). Daily discharge, computed from relation between discharge, head and gate openings for Monroe Lake beginning Oct. 1, 1974.

COOPERATION.--Gate-opening records and discharge ratings furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1705: 1959. WSP 1725: 1956(M). WSP 2109: Drainage area.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	18.5	18.5	14.5	14.0	11.0	10.5	6.0	5.5	4.5	4.5	9.0	9.0
2	18.5	18.5	15.0	14.0	10.5	10.0	5.5	5.5	4.5	4.5	9.0	9.0
3	18.5	18.5	15.0	15.0	10.0	10.0	5.5	5.5	4.5	4.5	9.5	9.0
4	18.5	18.0	15.5	15.0	10.0	9.5	5.5	5.0	4.5	4.5	10.0	9.5
5	18.5	18.0	16.0	15.5	9.5	9.5	5.0	5.0	4.5	4.5	11.0	10.0
6	18.5	18.5	15.5	15.5	9.5	9.5	5.0	5.0	4.5	4.5	11.0	11.0
7	18.5	18.5	16.0	15.5	9.5	9.5	5.0	5.0	4.5	4.5	11.0	11.0
8	18.5	18.0	16.0	16.0	9.5	9.5	5.0	5.0	4.5	4.5	11.0	11.0
9	18.0	18.0	16.0	16.0	9.5	9.0	5.0	5.0	4.5	4.5	11.0	11.0
10	18.0	18.0	16.5	16.0	9.0	9.0	5.0	5.0	4.5	4.5	11.0	11.0
11	18.0	18.0	16.0	16.0	9.0	9.0	5.0	5.0	4.5	4.5	11.0	11.0
12	18.0	18.0	16.0	16.0	9.0	9.0	5.0	4.5	4.5	4.5	11.0	10.5
13	18.0	18.0	16.0	15.5	9.0	9.0	4.5	4.5	5.0	4.5	10.5	10.5
14	18.0	18.0	15.5	15.5	9.0	9.0	4.5	4.5	5.5	5.0	10.5	10.5
15	18.0	18.0	15.5	15.0	9.5	9.0	4.5	4.5	5.5	5.5	10.5	10.5
16	18.0	18.0	15.0	14.5	9.5	9.5	4.5	4.5	5.5	5.5	10.5	10.5
17	18.0	16.5	14.5	14.5	9.5	9.0	4.5	4.5	6.0	5.5	10.5	10.5
18	16.5	16.0	14.5	14.5	9.0	9.0	4.5	4.5	7.0	6.0	10.5	10.0
19	16.0	16.0	14.5	14.0	9.0	8.5	4.5	4.5	7.0	7.0	10.0	10.0
20	16.0	15.5	14.0	14.0	8.5	8.0	4.5	4.5	7.0	7.0	10.5	10.0
21	15.5	15.5	14.0	13.5	8.0	7.0	4.5	4.5	8.0	7.0	11.0	10.5
22	15.5	15.5	13.5	13.5	7.0	7.0	4.5	4.5	8.0	8.0	11.0	11.0
23	15.5	15.5	13.5	13.0	7.0	7.0	4.5	4.5	8.0	8.0	11.0	11.0
24	15.5	15.0	13.0	13.0	7.0	7.0	4.5	4.5	8.0	8.0	11.0	11.0
25	15.0	15.0	13.0	12.0	7.0	6.5	4.5	4.5	8.0	8.0	11.0	11.0
26	15.0	15.0	12.0	11.0	6.5	6.5	4.5	4.5	8.5	8.0	11.0	11.0
27	15.0	15.0	11.0	11.0	6.5	6.5	4.5	4.5	8.5	8.5	11.5	11.0
28	15.0	15.0	11.0	11.0	6.5	6.5	4.5	4.5	8.5	8.5	11.5	11.5
29	15.0	14.5	11.0	11.0	6.5	6.5	4.5	4.5	9.0	8.5	11.5	11.5
30	14.5	14.5	11.0	11.0	6.5	6.0	4.5	4.5	---	---	12.0	11.5
31	14.5	14.5	---	---	6.0	6.0	4.5	4.5	---	---	12.0	12.0
MONTH	18.5	14.5	16.5	11.0	11.0	6.0	6.0	4.5	9.0	4.5	12.0	9.0

03372500 Salt Creek Near Harrodsburg, Ind.--Continued

TEMPERATURE (DEG. C) OF WATER. WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	12.0	12.0	15.5	15.5	19.5	19.0	21.5	20.5	26.5	24.5	25.0	25.0
2	13.0	12.0	15.5	15.5	20.0	19.0	21.5	21.0	26.5	25.5	25.0	25.0
3	13.0	13.0	16.0	15.5	20.0	20.0	21.0	20.5	26.5	25.5	25.0	24.5
4	13.0	13.0	16.0	15.5	20.5	20.0	22.0	21.0	26.0	25.5	25.0	24.5
5	13.0	13.0	16.5	16.0	20.5	20.0	22.0	20.5	25.5	25.0	25.0	24.5
6	13.0	13.0	16.5	16.0	20.5	20.0	22.0	21.0	25.5	25.0	24.5	24.5
7	13.5	13.0	17.0	16.5	20.5	20.0	21.5	21.0	26.0	25.0	24.5	24.5
8	14.5	13.5	17.0	16.5	20.0	20.0	21.5	21.0	26.0	25.0	24.5	24.5
9	14.5	14.0	17.0	16.5	20.0	20.0	22.0	21.5	26.0	25.0	24.5	24.5
10	14.0	13.5	17.0	16.5	20.0	20.0	22.0	20.5	26.0	25.0	24.5	24.0
11	14.0	13.5	16.5	16.5	21.0	20.0	22.0	21.0	25.5	25.0	24.0	24.0
12	14.0	14.0	17.0	16.5	21.0	20.0	22.0	21.5	25.5	25.0	24.0	23.5
13	14.0	14.0	17.0	16.5	21.0	20.0	23.0	21.5	25.5	24.5	24.0	23.5
14	14.0	13.5	17.0	17.0	20.0	19.5	23.0	22.0	25.5	25.0	24.0	23.5
15	13.5	13.5	18.0	17.0	20.0	19.5	22.0	21.5	25.5	25.0	24.0	23.5
16	14.0	13.5	18.0	17.0	20.0	19.0	21.5	21.0	26.0	25.0	23.5	23.5
17	15.0	14.0	18.0	17.0	20.5	20.0	22.0	21.0	26.0	25.5	23.5	23.5
18	14.5	14.5	19.0	17.0	20.5	20.0	24.5	22.0	26.5	25.5	23.5	23.5
19	14.5	14.5	18.5	17.0	20.0	19.5	24.5	24.0	26.5	26.0	23.5	23.5
20	15.5	14.5	18.5	18.0	21.0	20.0	24.5	23.5	26.0	25.5	23.5	23.5
21	15.5	14.5	18.5	18.0	21.0	20.0	24.5	23.5	26.0	25.5	23.5	23.0
22	15.0	14.5	19.5	18.5	20.5	20.0	24.5	23.5	26.0	25.5	23.0	22.0
23	15.5	15.0	20.0	18.5	20.5	20.5	24.5	24.0	25.5	25.5	23.0	22.0
24	15.5	15.0	20.0	19.0	20.5	20.0	25.0	24.0	25.5	25.5	22.0	22.0
25	15.5	14.5	20.0	19.5	20.0	20.0	26.0	24.0	25.5	25.5	22.0	22.0
26	15.5	14.5	20.0	19.5	21.0	20.0	26.0	24.5	25.5	25.5	22.0	22.0
27	15.5	15.0	20.0	19.5	21.0	20.5	25.0	24.5	25.5	24.5	22.0	21.5
28	15.5	15.0	20.0	19.5	21.5	20.5	25.0	24.5	25.5	24.5	21.5	21.0
29	16.0	15.0	19.5	19.5	21.5	20.0	25.0	23.0	26.0	24.5	21.0	21.0
30	16.0	15.5	19.5	19.5	21.0	20.0	25.5	24.5	25.5	24.5	21.0	21.0
31	---	---	19.5	19.5	---	---	25.0	24.5	25.5	25.0	---	---
MONTH	16.0	12.0	20.0	15.5	21.5	19.0	26.0	20.5	26.5	24.5	25.0	21.0

03373500 East Fork White River at Shoals, Ind.

LOCATION.--Lat 38°40'02", long 86°47'32", in SW¼NW¼ sec.30, T.3 N., R.3 W., Martin County, in first pier from left bank of bridge on U.S. Highway 50 at Shoals, 400 ft (122 m) upstream from Baltimore and Ohio Railroad bridge, 0.9 mile (1.4 km) upstream from Beaver Creek, and at mile 105.3 (169.4 km).

DRAINAGE AREA.--4,927 mi² (12,761 km²).

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, 1903-6, 1908-16. Gage-height records collected at same site since May 1908 are contained in reports of the National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 442.25 ft (134.798 m) above mean sea level. See WSP 1725 for history of changes prior to Oct. 26, 1932.

AVERAGE DISCHARGE.--62 years (1903-5, 1909-16, 1923 to current year), 5,359 ft³/s (151.8 m³/s), 14.77 in/yr (375 mm/yr).

EXTREMES.--Current year: Maximum discharge, 22,600 ft³/s (640 m³/s) Feb. 23, gage height, 15.37 ft (4.685 m); minimum daily, 434 ft³/s (12.3 m³/s) Sept. 25.
Period of record: Maximum discharge, 160,000 ft³/s (4,530 m³/s) Mar. 28, 1913, gage height, 42.2 ft (12.86 m), from rating curve extended above 100,000 ft³/s (2,830 m³/s); minimum daily, 64 ft³/s (1.81 m³/s) Oct. 6, 1935, as a result of filling Williams Reservoir.

REMARKS.--Records good. Flow partially regulated by upstream reservoirs.

REVISIONS (WATER YEARS).--WSP 353: 1912. WSP 1335: 1903-6. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	690	1610	8640	13500	21000	8250	4610	1780	3140	2210	1100	700
2	691	1810	6830	13600	17100	7410	4450	1720	3110	2030	1020	680
3	681	1810	6970	13500	12800	6940	4310	1650	3040	2240	958	670
4	666	1640	7230	15100	9760	7350	4130	1600	3760	3190	922	661
5	650	1470	6130	16700	7460	7650	3900	1530	3790	3410	887	661
6	637	1340	4680	17100	6530	8450	3670	1480	3210	3090	871	643
7	615	1740	3920	14900	6180	8890	3490	1480	2670	2850	864	607
8	656	3080	3590	15300	5920	9710	3320	1460	2280	2550	850	589
9	916	2780	3530	12600	5990	9940	3140	1410	1970	2270	847	643
10	1050	4080	3510	9820	5820	8760	2920	1410	1740	2010	943	742
11	1040	4660	3250	7240	5200	7190	2730	1450	1570	1840	1120	752
12	1290	3460	2990	5400	4640	6260	2640	1480	1430	1690	1170	721
13	1400	3290	2800	6220	4900	5890	2550	1450	1310	1540	1130	661
14	1220	3190	2630	7640	5570	5700	2450	1490	1220	1400	1110	598
15	1000	2730	3330	9190	6070	5600	2350	1710	1130	1360	1360	554
16	847	2290	7430	10600	6000	5680	2280	1670	1070	2430	1140	530
17	815	1990	7750	11800	5820	5540	2180	1570	1030	3450	1290	520
18	1350	1760	9120	12200	8360	5150	2110	1540	997	2720	1850	520
19	2480	1580	10500	11600	12700	4740	2050	1590	1010	2140	1740	520
20	2480	1500	11200	9440	13200	4390	1990	1570	1020	1790	1490	510
21	3730	1510	9770	6580	16000	5320	1960	1480	1210	1610	1270	490
22	4310	1440	7240	5100	21300	6520	1920	1390	1450	1530	1100	470
23	3850	1330	5660	4380	22500	6880	1890	1300	1450	1460	981	451
24	3060	1250	4650	3940	21500	7740	1860	1220	1480	1420	896	446
25	2470	1190	4170	4320	20400	7510	1910	1150	1580	1310	838	434
26	2040	1160	5130	11800	19300	6720	1970	1090	1770	1200	794	437
27	1760	1180	7180	15600	15800	6130	1960	1050	2350	1200	763	492
28	1550	1190	7790	14200	13400	5780	1880	1030	2830	1260	731	551
29	1430	1350	8480	15800	10200	5270	1850	1040	2690	1500	731	617
30	1460	3610	10200	18700	---	4950	1830	1040	2510	1370	763	635
31	1550	---	12400	21000	---	4930	---	2190	---	1230	721	---
TOTAL	48784	63020	198700	357870	332420	207240	80300	45020	59817	61300	32250	17505
MEAN	1574	2101	6410	11540	11460	6685	2677	1452	1994	1977	1040	584
MAX	4310	4660	12400	21000	22500	9940	4610	2190	3790	3450	1850	752
MIN	615	1160	2630	3940	4640	4390	1830	1030	997	1200	721	434
CFSM	.32	.43	1.30	2.34	2.33	1.36	.54	.29	.40	.40	.21	.12
IN.	.37	.48	1.50	2.70	2.51	1.56	.61	.34	.45	.46	.24	.13

CAL YR 1975 TOTAL 2518143 MEAN 6899 MAX 42800 MIN 439 CFSM 1.40 IN 19.01
WTR YR 1976 TOTAL 1504226 MEAN 4110 MAX 22500 MIN 434 CFSM .83 IN 11.36

PEAK DISCHARGE (BASE, 20,000 FT³/S).--Jan. 31 (2400) 21,600 ft³/s (14.73 ft); Feb. 23 (0700) 22,600 ft³/s (15.37 ft).

03373700 Lost River near West Baden Springs, Ind.

LOCATION.--Lat 38°35'10", long 86°38'03", in SW¼SE¼ sec.21, T.2 N., R.2 W., Orange County, on left bank 20 ft (6 m) downstream from bridge on U.S. Highway 150, 1.7 miles (2.7 km) northwest of West Baden Springs, 3.8 miles (6.1 km) downstream from Lick Creek, and at mile 34.8 (56.0 km).

DRAINAGE AREA.--287 mi^2 (743 km^2).

PERIOD OF RECORD.--December 1964 to current year. Prior to October 1965, published as Lost River near West Baden.

GAGE.--Water-stage recorder. Datum of gage is 457.92 ft (139.574 m) above mean sea level (levels by State of Indiana, Department of Natural Resources).

AVERAGE DISCHARGE.--11 years, 344 ft^3/s (9.742 m^3/s), 16.28 in/yr (414 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,660 ft^3/s (75.3 m^3/s) Jan. 27, gage height, 21.02 ft (6.407 m); minimum daily, 18 ft^3/s (0.51 m^3/s) Sept. 25.
Period of record: Maximum discharge, 7,020 ft^3/s (199 m^3/s) July 22, 1973, gage height, 25.35 ft (7.727 m); minimum daily, 7.5 ft^3/s (0.21 m^3/s) Oct. 8, 1966.
Flood in March 1964 reached a stage of 28.1 ft (8.56 m), from floodmarks.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	95	1460	1930	570	385	202	57	1070	190	61	31
2	23	88	981	2010	486	345	182	57	659	126	48	32
3	22	83	580	1650	426	316	161	55	572	103	41	32
4	21	79	418	1190	387	293	156	52	412	98	36	29
5	21	76	343	824	353	295	143	50	303	86	33	26
6	20	73	365	639	330	304	134	50	226	76	60	24
7	20	252	535	559	310	275	125	56	174	68	89	21
8	60	464	483	517	290	251	117	52	142	65	59	20
9	229	404	403	450	275	234	107	47	119	62	43	86
10	154	1490	347	398	261	217	101	44	100	56	36	237
11	95	1340	307	368	264	198	99	43	85	53	32	133
12	72	767	276	364	258	189	97	41	75	50	29	62
13	60	477	249	431	246	246	90	40	67	47	28	41
14	55	364	224	1110	226	241	88	42	61	45	28	33
15	53	301	664	942	212	209	85	46	56	57	241	30
16	51	258	1390	690	205	192	82	50	54	732	304	27
17	70	222	995	558	272	176	77	54	55	877	121	25
18	574	194	626	464	1810	163	73	86	53	350	59	23
19	641	175	466	405	2240	155	69	87	52	182	44	22
20	450	175	395	371	1890	166	67	67	47	119	36	22
21	324	192	334	334	1460	749	66	56	43	90	32	22
22	257	170	285	307	1740	586	65	92	301	97	29	22
23	209	148	253	286	1510	391	63	74	303	71	27	20
24	174	134	223	319	1110	310	60	55	254	59	25	19
25	155	126	206	594	832	273	66	47	363	55	24	18
26	139	119	1010	2230	653	242	82	43	347	48	24	21
27	123	145	1200	2630	542	249	73	40	239	44	26	27
28	110	155	748	2300	472	255	64	40	171	40	26	37
29	109	233	526	1660	425	225	60	45	140	229	36	38
30	117	857	834	1080	---	220	58	47	182	182	53	33
31	106	---	1320	718	---	213	---	1070	---	88	39	---
TOTAL	4538	9656	18446	28328	20055	8563	2912	2685	6725	4445	1769	1213
MEAN	146	322	595	914	692	276	97.1	86.6	224	143	57.1	40.4
MAX	641	1490	1460	2630	2240	749	202	1070	1070	877	304	237
MIN	20	73	206	286	205	155	58	40	43	40	24	18
CFSM	.51	1.12	2.07	3.18	2.41	.96	.34	.30	.78	.50	.20	.14
IN.	.59	1.25	2.39	3.67	2.60	1.11	.38	.35	.87	.58	.23	.16

CAL YR 1975 TOTAL 176723 MEAN 484 MAX 6000 MIN 20 CFSM 1.69 IN 22.91
WTR YR 1976 TOTAL 109335 MEAN 299 MAX 2630 MIN 18 CFSM 1.04 IN 14.17

PEAK DISCHARGE (BASE, 2,000 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-01	2400	19.26	2,060	02-19	0600	20.08	2,280
01-27	0500	21.02	2,660				

03374000 White River at Petersburg, Ind.

LOCATION.--Lat 38°30'39", long 87°17'22", in SE¼SW¼ sec.15, T.1 N., R.8 W., Pike County, on left bank 300 ft (91 m) downstream from bridge on State Highway 61, 0.4 mile (0.6 km) upstream from Prides Creek, 1.4 mile (2.3 km) north of Petersburg, and at mile 45.7 (73.5 km).

DRAINAGE AREA.--11,125 mi^2 (28,814 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: 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.
WATER TEMPERATURE: June 1964 to current year.

GAGE.--Water-stage recorder with temperature attachment. Datum of gage is 400.00 ft (121.920 m) above mean sea level. See WSP 1725 for history of changes prior to Apr. 1, 1941.

AVERAGE DISCHARGE.--49 years, 11,490 ft^3/s (325.3 m^3/s), 14.03 in/yr (356 mm/yr).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2180	3400	13200	30400	32300	22100	14100	4360	7310	7600	4110	1920
2	2090	3360	17900	31400	30800	18200	13100	4220	7730	8240	3420	1930
3	2040	3310	18100	31500	26400	16100	11500	4070	8510	8510	3030	1830
4	2010	3260	16700	30800	21300	15400	10700	3920	7620	8650	2890	1770
5	2000	3090	14700	29400	16300	16000	9950	3790	7940	8450	2710	1760
6	1990	2930	12800	27800	13100	18600	9320	3690	7790	8370	3040	1760
7	1960	3700	11000	26300	11600	21400	8700	3640	6800	7500	2950	1680
8	2020	4950	9480	24600	12500	23400	8130	3640	5900	6380	2510	1640
9	2320	5370	8640	22000	12500	25700	7680	3840	5220	5830	2820	1980
10	2230	7180	8070	18000	11500	27400	7290	3920	4670	5410	3540	2700
11	2580	8560	7600	14700	11300	27400	6900	3810	4260	4900	3200	2270
12	2700	8790	7110	12400	11600	24500	6540	3630	3940	4520	2940	2170
13	2670	7610	6600	11400	12800	19600	6270	3530	3690	4190	2910	2130
14	2650	6560	6150	12700	14700	17100	6080	4160	3460	3900	2910	2040
15	2510	5870	7570	15800	16400	16400	5900	5010	3230	3760	4990	1840
16	2340	5260	13200	18900	17900	15400	5700	5650	3090	5520	5310	1710
17	2240	4700	18600	19700	19000	14400	5500	5010	2940	8600	4700	1610
18	2890	4270	20600	19500	23700	13400	5300	4610	2820	8820	4440	1550
19	3870	3940	21400	18900	27300	12500	5140	4280	2750	7430	4250	1490
20	4550	3700	21200	17400	29600	11600	4980	4060	2700	6190	3850	1490
21	4940	3650	19300	14600	32300	12700	4900	3900	2710	5420	3350	1500
22	5380	3640	16400	11800	37200	14800	4850	3720	2830	5350	2940	1460
23	5650	3600	13500	9960	40900	17300	4840	3530	3090	5610	2660	1420
24	5230	3510	11300	9030	44200	17700	4790	3360	3490	4330	2460	1420
25	4680	3370	9410	9250	46400	16900	4750	3200	3550	4060	2310	1410
26	4170	3200	10200	15800	46000	15600	4740	3050	3630	3880	2180	1390
27	3710	3200	11800	23200	42200	14300	4810	2910	4150	3450	2090	1460
28	3370	3250	13200	27900	36200	13300	4810	2840	4870	3210	2090	1480
29	3160	3420	13400	29600	29200	12700	4680	2800	5630	4500	2020	1430
30	3070	6140	17700	31100	---	12800	4510	2800	6090	5630	1920	1620
31	3310	---	23100	32300	---	13200	---	6120	---	4740	1890	---
TOTAL	96510	136790	419930	648140	726200	537900	206460	121070	142410	182950	96430	51860
MEAN	3113	4560	13550	20910	25040	17350	6882	3905	4747	5902	3111	1729
MAX	5650	8790	23100	32300	46400	27400	14100	6120	8510	8820	5310	2700
MIN	1960	2930	6150	9030	11300	11600	4510	2800	2700	3210	1890	1390
CFSM	.28	.41	1.22	1.88	2.25	1.56	.62	.35	.43	.53	.28	.16
IN.	.32	.46	1.40	2.17	2.43	1.80	.69	.40	.48	.61	.32	.17

CAL YR 1975 TOTAL 5561860 MEAN 15240 MAX 78700 MIN 1960 CFSM 1.37 IN 18.60
WTR YR 1976 TOTAL 3366650 MEAN 9198 MAX 46400 MIN 1390 CFSM .83 IN 11.26

03374000 White River at Petersburg, Ind.--Continued

EXTREMES.--WATER DISCHARGE, Current year: Maximum discharge, 46,700 ft^3/s (1,320 m^3/s) Feb. 25, gage height, 20.63 ft (6.288 m); minimum daily, 1,390 ft^3/s (39.4 m^3/s) Sept. 26.
Period of record: Maximum discharge, 183,000 ft^3/s (5,180 m^3/s) Jan. 22, 1937, gage height, 28.3 ft (8.63 m) present datum, 31.58 ft (9.626 m) site and datum then in use; minimum daily, 573 ft^3/s (16.2 m^3/s) Oct. 1, 1941.
Flood in March 1913, reached a stage of 29.5 ft (8.99 m), present site and datum, from floodmarks by Corps of Engineers. Discharge, 235,000 ft^3/s (6,660 m^3/s).

WATER TEMPERATURE, Current year: Maximum temperature, 34.5°C Aug. 27-28; minimum, 3.0°C Feb. 3, 4.
Period of record: Maximum temperature, 34.5°C Aug. 27, 28, 1976; minimum, freezing point on many days during most winter periods prior to 1967.

REMARKS.--Records good. Flow partially regulated by upstream reservoirs.

REVISIONS (WATER YEARS).--WSP 1305: 1930(M). WSP 2109: Drainage area.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	21.0	21.0	16.5	16.0	11.5	10.0	5.5	5.5	3.5	3.5	11.5	11.0
2	21.0	20.0	17.0	16.5	10.0	9.5	6.0	5.5	3.5	3.5	12.0	11.5
3	20.0	19.5	18.0	17.0	9.5	9.0	6.0	6.0	3.5	3.0	14.5	12.0
4	20.0	19.5	18.5	18.0	9.0	9.0	6.0	5.0	3.5	3.0	15.0	14.5
5	20.0	20.0	19.0	18.5	10.0	9.0	5.0	4.5	4.5	3.5	15.0	14.5
6	21.0	20.0	19.0	19.0	10.5	10.0	4.5	3.5	5.0	4.5	15.0	15.0
7	21.0	21.0	19.0	19.0	10.5	10.5	3.5	3.5	5.0	4.0	15.0	14.0
8	21.0	21.0	19.5	19.0	11.0	10.5	3.5	3.5	4.0	4.0	14.5	13.5
9	22.0	21.0	19.5	19.5	11.0	10.5	3.5	3.5	5.5	4.0	13.5	13.0
10	22.0	22.0	19.5	19.5	11.0	10.5	4.0	3.5	6.0	5.5	13.0	13.0
11	22.0	21.5	19.5	18.0	10.5	9.5	4.5	4.0	7.0	6.0	13.0	12.0
12	21.5	21.5	18.0	17.0	10.5	10.0	5.5	4.5	8.0	7.0	12.0	12.0
13	21.5	21.5	17.0	16.5	11.0	10.5	6.0	5.5	8.0	8.0	12.0	12.0
14	22.0	21.5	16.5	15.5	12.0	11.0	6.0	6.0	8.5	8.0	12.0	11.5
15	22.0	22.0	15.5	14.5	14.5	12.0	6.0	5.5	8.5	8.0	11.5	11.5
16	22.0	21.5	14.5	14.5	13.5	11.0	6.0	5.5	9.0	8.0	11.5	11.5
17	21.5	20.0	15.0	14.5	11.0	10.0	5.5	5.0	9.5	9.0	11.5	11.0
18	20.0	18.0	15.0	14.5	10.0	8.5	5.0	4.5	10.0	9.5	11.5	11.0
19	18.0	16.5	15.5	14.5	8.5	7.0	4.5	4.0	10.0	10.0	12.0	11.0
20	16.5	15.0	15.5	15.0	7.0	6.5	4.0	4.0	10.0	10.0	13.0	12.0
21	16.5	16.0	15.0	14.0	6.5	6.0	5.0	4.0	10.0	10.0	13.5	13.0
22	17.0	16.5	14.0	14.0	6.0	5.5	6.0	5.0	10.0	10.0	13.5	13.5
23	18.0	17.0	14.0	13.0	6.0	5.5	6.5	6.0	10.0	9.5	13.5	13.5
24	17.0	17.0	13.0	11.0	6.0	6.0	8.0	6.5	9.5	9.0	13.5	13.5
25	17.0	17.0	11.0	11.0	6.5	6.0	8.0	7.0	9.0	9.0	13.5	13.5
26	17.0	16.5	11.5	11.0	6.5	6.0	7.0	6.5	9.5	9.0	14.5	13.5
27	16.5	16.5	11.5	11.0	6.0	6.0	6.5	6.0	9.5	9.5	14.5	14.5
28	17.0	16.5	11.0	11.0	6.5	6.0	6.0	5.5	10.0	9.5	14.5	14.5
29	17.0	17.0	11.5	11.0	6.5	6.5	5.5	5.0	11.0	10.0	14.5	14.5
30	17.0	17.0	12.0	11.0	6.5	6.0	5.0	4.0	---	---	15.5	14.5
31	17.0	16.5	---	---	6.0	5.5	4.0	3.5	---	---	15.5	15.5
MONTH	22.0	15.0	19.5	11.0	14.5	5.5	8.0	3.5	11.0	3.0	15.5	11.0

03374000 White River at Petersburg, Ind.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	15.5	15.5	20.0	20.0	23.0	22.0	24.5	24.0	29.5	28.5	31.5	29.5
2	15.5	15.0	20.0	19.5	23.0	22.0	24.5	24.0	29.0	28.0	29.5	28.0
3	15.5	15.0	20.0	19.0	22.0	21.5	24.5	23.5	28.0	27.0	30.0	27.0
4	15.5	15.5	19.5	19.0	23.0	21.5	24.0	23.0	28.5	28.0	31.5	29.0
5	15.5	15.5	20.5	19.5	24.5	23.0	25.0	24.0	30.0	28.5	31.5	29.0
6	15.5	15.5	20.5	20.0	25.0	24.0	25.5	24.5	30.5	29.0	30.5	28.0
7	16.0	15.5	21.0	20.0	25.0	23.0	26.5	25.5	30.0	28.5	31.0	28.0
8	16.5	16.0	21.5	20.5	25.0	23.5	27.0	26.5	30.0	28.0	31.5	29.0
9	16.5	16.5	22.0	21.0	26.0	24.5	28.5	27.0	30.5	28.5	31.5	28.0
10	16.5	16.5	22.0	21.5	26.0	25.5	29.5	28.5	30.5	28.5	28.0	25.5
11	17.0	16.5	23.0	21.5	26.5	26.0	30.5	29.5	31.5	29.0	27.0	25.5
12	17.0	17.0	23.5	22.0	27.0	26.5	31.0	30.0	33.0	30.0	28.0	25.5
13	18.0	17.0	23.5	23.0	28.5	27.0	30.5	29.5	33.0	31.0	28.5	26.0
14	18.5	18.0	23.5	23.5	29.0	28.0	31.0	30.0	33.5	31.0	29.5	26.5
15	19.5	18.5	23.5	23.0	28.5	28.0	31.0	30.5	33.0	29.0	30.0	28.0
16	20.0	19.5	23.5	23.5	28.5	27.0	30.5	29.0	30.5	28.5	30.0	28.0
17	21.0	20.0	23.5	23.0	28.5	26.0	29.0	28.0	30.0	29.0	30.5	27.0
18	21.5	21.0	23.0	22.0	28.0	27.0	28.0	27.0	29.5	28.5	30.5	28.0
19	22.0	21.5	22.0	21.5	27.0	26.5	28.0	26.5	30.0	28.5	30.0	28.5
20	23.0	22.0	24.0	22.0	26.5	25.5	28.5	27.0	31.0	29.0	30.5	27.0
21	23.0	22.0	24.5	23.5	26.0	25.0	29.0	28.5	31.5	29.5	28.0	26.5
22	22.0	21.5	25.5	24.5	25.5	23.5	29.0	29.0	32.0	30.0	27.0	25.0
23	23.0	22.0	25.0	24.5	23.5	22.0	31.0	29.0	33.0	30.5	26.5	25.0
24	23.0	22.0	25.5	24.5	23.5	23.0	31.5	31.0	33.5	31.0	26.5	25.0
25	22.0	21.5	25.0	24.0	23.5	23.0	31.5	30.5	33.5	31.5	26.5	25.5
26	21.5	20.0	25.5	24.0	25.0	22.0	31.5	30.5	34.0	31.0	26.5	25.5
27	20.5	20.0	25.5	24.5	25.5	24.5	30.5	29.5	34.5	31.5	26.5	25.0
28	20.0	19.5	25.5	24.5	25.5	25.0	31.0	30.0	34.5	32.0	25.0	23.5
29	20.0	19.0	25.0	24.0	26.0	25.0	31.0	30.5	34.0	31.0	24.5	23.0
30	20.0	19.5	25.0	24.0	25.5	24.5	30.5	30.0	32.0	30.0	25.0	24.0
31	---	---	24.5	23.0	---	---	30.5	29.0	31.5	29.5	---	---
MONTH	23.0	15.0	25.5	19.0	29.0	21.5	31.5	23.0	34.5	27.0	31.5	23.0

03374100 White River at Hazleton, Ind.

LOCATION.--Lat 38°29'23", long 87°33'00", in SE¼NW¼ sec.29, T.1 N., R.10 W., Gibson County, on downstream side of county road bridge (Old U.S. 41) at Hazleton, and at mile 18.7 (30.1 km).

DRAINAGE AREA.--11,305 mi^2 (29,280 km^2).

PERIOD OF RECORD.--CHEMICAL ANALYSES: February 1973 to current year.
WATER TEMPERATURE: October 1973 to current year.
SEDIMENT DISCHARGE: October 1973 to current year.
WATER DISCHARGE: October 1927 to September 1938.

EXTREMES.--SPECIFIC CONDUCTANCE, Current year: Maximum conductance, 654 micromhos July 17; minimum, 249 micromhos Jan. 29.
Period of record: Maximum conductance, 754 micromhos Nov. 5, 6, 1973; minimum, 192 micromhos Nov. 6, 1974.

WATER TEMPERATURE, Current year: Maximum temperature, 33.5° Aug. 14; freezing point on several days during winter period.
Period of record: Maximum temperature, 33.5°C Aug. 14, 1976; freezing point on several days during winter period 1975-76.

REMARKS.--Water discharge obtained from station White River at Petersburg (See sta 03374000).

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	573	562	567	519	330	319	---	---	280	263	406	391
2	568	563	567	537	329	297	---	---	280	265	421	402
3	585	567	534	512	343	304	---	---	308	283	434	418
4	588	583	524	517	353	324	---	---	342	269	432	428
5	593	569	542	522	370	346	---	---	366	289	427	410
6	580	547	560	544	377	347	---	---	383	370	418	367
7	552	514	585	557	387	352	---	---	407	385	360	332
8	550	517	585	485	401	368	---	---	456	410	329	325
9	575	552	483	432	401	377	---	---	457	412	326	317
10	575	542	491	442	395	315	---	---	429	413	333	325
11	572	555	436	368	304	253	---	---	432	426	348	331
12	577	570	412	369	294	275	---	---	467	434	375	347
13	582	570	416	395	314	280	408	392	483	461	404	374
14	582	544	422	388	390	319	409	381	462	390	407	399
15	547	514	403	379	370	368	405	372	416	396	409	390
16	547	532	448	403	398	372	373	323	411	399	396	386
17	567	550	464	450	398	307	338	317	399	391	405	393
18	572	560	470	456	334	322	317	304	415	378	411	403
19	557	491	493	470	343	330	329	304	376	345	416	408
20	487	458	514	495	361	344	328	318	364	350	419	413
21	470	452	547	514	372	361	344	329	362	344	419	409
22	487	470	550	547	370	365	363	345	345	328	402	378
23	497	475	547	542	392	372	388	364	329	325	391	301
24	499	481	552	544	408	390	422	390	334	328	323	308
25	483	470	555	552	427	409	449	423	344	335	337	315
26	468	434	555	550	---	---	441	350	353	341	345	335
27	458	436	562	458	---	---	362	323	369	349	346	337
28	471	458	477	339	---	---	320	269	382	367	350	343
29	487	471	356	321	---	---	275	249	393	379	357	347
30	507	487	328	318	---	---	281	260	---	---	364	354
31	519	507	---	---	---	---	280	278	---	---	380	355
MONTH	593	434	585	318	427	253	---	---	483	263	434	301

03374100 White River at Hazleton, Ind.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	387	312	490	482	488	457	486	430	448	400	---	---
2	330	308	501	491	488	464	444	394	467	418	---	---
3	373	335	496	482	480	392	433	395	483	436	---	---
4	387	375	488	469	400	379	444	399	487	433	---	---
5	402	392	483	471	460	394	422	403	484	455	---	---
6	415	405	497	481	531	442	443	405	509	468	---	---
7	419	417	506	493	548	469	477	440	513	481	---	---
8	424	422	502	497	542	468	488	457	509	474	---	---
9	429	423	519	506	512	489	487	462	518	479	---	---
10	430	424	551	523	511	484	481	436	518	429	---	---
11	429	423	552	519	495	485	502	458	533	446	---	---
12	431	425	526	503	506	482	516	474	533	435	---	---
13	432	426	555	522	518	467	529	514	455	424	---	---
14	439	431	544	524	519	480	526	506	454	420	---	---
15	449	442	538	491	539	463	546	472	483	418	---	---
16	459	448	532	462	539	520	547	520	474	387	---	---
17	462	449	531	511	573	525	654	496	511	406	---	---
18	454	444	529	513	552	512	490	427	540	437	---	---
19	447	427	556	535	556	519	454	429	---	---	---	---
20	448	436	570	560	546	500	461	442	---	---	---	---
21	466	448	584	574	534	496	502	445	---	---	---	---
22	480	469	588	566	545	497	502	455	---	---	---	---
23	481	456	570	557	545	505	499	433	---	---	505	547
24	474	455	561	543	541	497	494	452	---	---	518	547
25	481	469	551	535	543	505	490	454	---	---	505	540
26	484	478	553	526	534	492	483	448	---	---	511	540
27	489	481	537	476	522	483	500	455	---	---	518	557
28	495	490	526	488	529	496	518	455	---	---	525	555
29	497	478	557	532	530	455	518	436	---	---	528	568
30	487	479	583	563	485	446	458	360	---	---	532	589
31	---	---	559	448	---	---	453	386	---	---	---	---
MONTH	497	308	588	448	573	379	654	360	---	---	---	---

03374100 White River at Hazleton, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	TURBIDITY (JTU)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	CARBON DIOXIDE (CO2) (MG/L)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.											
06...	1600	19.5	1860	25	550	18.4	8.7	.7	177	216	0
NOV.											
05...	1200	16.5	2930	20	510	9.7	8.2	2.3	188	229	0
DEC.											
09...	1445	7.0	8380	40	395	--	8.0	2.8	146	178	0
JAN.											
13...	1545	2.5	11100	20	390	9.7	7.9	4.1	166	202	0
FEB.											
25...	1130	7.5	46600	85	336	8.2	7.3	11	110	134	0
MAR.											
30...	1600	14.5	12700	45	350	--	7.5	10	167	204	0
MAY											
05...	1100	16.0	3760	15	475	14.5	8.0	3.4	174	212	0
JUNE											
09...	1100	25.5	4900	40	490	7.7	8.0	3.2	163	199	0
JULY											
13...	1600	30.0	3710	30	520	8.3	8.6	.9	174	212	0
AUG.											
18...	1200	27.0	4100	5	610	7.0	7.7	5.8	148	181	0
SEP.											
22...	1030	21.5	1040	27	545	10.4	7.5	11	178	217	0

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	PERCENT SODIUM
OCT.											
06...	2.9	2.0	.87	.22	260	86	64	25	27	.7	18
NOV.											
05...	2.1	.56	1.5	.24	240	56	68	18	19	.5	14
DEC.											
09...	2.5	.49	2.0	.28	210	61	55	17	12	.4	11
JAN.											
13...	2.7	.60	2.1	.20	220	51	57	18	11	.3	10
FEB.											
25...	3.7	.94	2.8	.26	150	43	43	11	6.6	.2	8
MAR.											
30...	2.7	.65	2.0	.21	220	57	60	18	11	.3	10
MAY											
05...	1.6	1.5	.07	.16	250	79	60	25	17	.5	13
JUNE											
09...	4.2	1.2	3.0	.25	230	69	60	20	14	.4	11
JULY											
13...	4.3	1.2	3.1	.23	240	62	60	21	13	.4	11
AUG.											
18...	2.6	.80	1.8	.44	200	56	52	18	25	.8	21
SEP.											
22...	1.4	1.4	.01	.24	250	71	55	27	22	.6	16

03374100 White River at Hazleton, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	DIS-SOLVED POTASSIUM (K) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL PHYTOPLANKTON (CELLS PER ML)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITROGEN (NO3) (MG/L)
OCT.											
06...	3.9	37	77	.3	1.4	200000	467	342	2350	.64	13
NOV.											
05...	3.8	28	66	.2	8.0	28000	350	324	2770	.48	9.1
DEC.											
09...	3.3	21	60	.2	7.5	1800	267	264	6040	.36	11
JAN.											
13...	2.5	18	51	.2	7.6	510	270	265	8090	.37	12
FEB.											
25...	2.7	14	33	.2	6.9	1400	212	184	26700	.29	17
MAR.											
30...	2.2	17	53	.2	6.8	8400	284	269	9740	.39	12
MAY											
05...	2.3	23	65	.2	.1	140000	297	297	3020	.40	7.0
JUNE											
09...	2.5	22	50	.2	5.7	48000	348	273	4600	.47	19
JULY											
13...	2.9	17	46	.2	7.3	40000	298	272	2990	.41	19
AUG.											
18...	4.3	36	60	.3	4.7	48000	338	290	3740	.46	12
SEP.											
22...	3.2	33	63	.3	.9	230000	312	311	876	.42	[illegible]

DATE	TIME	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	SUS-PENDED CADMIUM (CD) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	SUS-PENDED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)
NOV.												
05...	1200	6.0	1	1	2	0	0	0	0	0	0	0
FEB.												
25...	1130	10	1	2	3	0	0	0	<10	0	<10	0
MAY												
05...	1100	8.7	1	0	0	6	0	1	<10	0	10	0
AUG.												
18...	1200	9.9	2	2	4	0	1	1	<10	0	<10	0

DATE	SUS-PENDED COBALT (CO) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS-PENDED MANGANESE (MN) (UG/L)
NOV.											
05...	1	1	10	0	10	820	10	0	7	7	70
FEB.											
25...	2	2	10	0	10	4100	20	1	8	9	130
MAY											
05...	1	1	0	10	10	530	20	37	0	16	130
AUG.											
18...	3	3	10	0	10	3200	20	9	9	18	200

DATE	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	SUS-PENDED SELENIUM (SE) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	TOTAL MERCURY (HG) (UG/L)
NOV.											
05...	80	10	0	10	10	1	0	1	<.5	.0	<.5
FEB.											
25...	150	20	20	0	20	0	0	0	<.5	.0	<.5
MAY											
05...	140	10	10	0	10	0	0	0	<.5	.0	<.5
AUG.											
18...	200	0	10	10	20	1	1	2	<.5	.0	<.5

03374100 White River at Hazleton, Ind.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	19.0	18.5	14.0	13.0	7.0	7.0	---	---	0.5	0.0	10.0	9.5
2	18.5	17.0	15.0	13.5	7.0	6.5	---	---	0.0	0.0	11.0	10.0
3	18.0	15.5	15.0	14.5	7.5	7.5	---	---	0.5	0.0	11.5	11.5
4	18.0	15.5	16.0	14.5	7.5	7.0	---	---	0.5	0.5	13.0	11.5
5	18.5	16.5	16.5	15.5	7.0	6.5	---	---	1.0	0.5	13.0	12.0
6	19.5	17.0	17.0	16.0	7.0	6.5	---	---	1.0	1.0	12.0	11.5
7	20.0	18.5	17.5	17.0	7.0	6.5	---	---	1.0	0.5	11.5	11.5
8	19.5	19.0	17.5	17.0	7.0	6.5	---	---	1.5	0.5	11.5	10.5
9	21.0	19.0	18.0	17.0	8.5	7.0	---	---	2.0	0.5	10.5	10.0
10	21.0	20.0	18.0	16.0	9.0	8.0	---	---	4.0	2.0	10.0	9.5
11	21.0	19.5	16.0	15.0	8.0	6.5	---	---	4.5	4.0	10.0	9.5
12	21.0	19.5	15.0	14.0	6.5	5.5	---	---	5.5	4.5	10.0	10.0
13	21.5	19.5	13.5	11.5	5.5	4.5	2.5	2.5	6.5	5.5	10.0	9.5
14	21.5	20.5	11.5	10.5	4.5	3.5	2.5	2.5	6.0	5.0	9.5	9.0
15	21.0	20.5	10.5	10.0	3.5	3.0	2.5	2.5	6.5	5.0	9.5	9.0
16	20.0	19.0	10.5	10.0	3.0	2.5	2.5	2.0	7.0	6.0	10.0	8.5
17	19.0	16.0	11.0	10.0	3.5	2.5	2.0	1.0	7.5	7.0	8.5	8.5
18	16.0	14.5	11.0	10.5	2.5	2.0	1.0	0.5	8.0	7.5	9.0	8.0
19	14.0	13.0	11.0	10.5	1.5	1.0	0.5	0.5	8.5	8.0	10.0	8.5
20	13.5	12.0	10.5	9.0	1.0	0.0	0.5	0.0	8.0	7.5	11.0	10.0
21	14.0	12.5	9.0	8.0	0.0	0.0	0.5	0.0	8.0	8.0	11.5	11.0
22	15.5	14.0	8.0	6.5	0.0	0.0	1.0	0.5	8.0	7.5	12.0	11.0
23	16.0	15.0	6.5	5.5	0.5	0.0	2.5	1.0	7.5	7.0	12.0	11.0
24	16.5	15.5	5.5	5.0	0.5	0.5	3.5	2.5	7.5	6.5	12.0	11.0
25	16.0	15.0	5.5	5.0	1.5	1.0	4.0	3.0	7.5	7.0	12.0	11.5
26	15.0	14.0	7.5	5.5	---	---	4.0	3.0	8.0	7.5	13.0	12.0
27	14.5	13.5	9.0	7.5	---	---	3.0	2.5	8.5	7.5	13.5	12.5
28	15.5	14.0	8.0	7.5	---	---	2.5	2.5	9.0	8.0	14.0	12.5
29	15.5	15.0	7.5	7.0	---	---	2.5	2.0	9.5	9.0	14.0	13.5
30	15.0	14.0	7.0	6.5	---	---	2.0	1.0	---	---	14.5	14.0
31	14.0	13.5	---	---	---	---	1.0	0.5	---	---	14.5	14.0
MONTH	21.5	12.0	18.0	5.0	9.0	0.0	---	---	9.5	0.0	14.5	8.0

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	14.0	13.5	18.5	18.0	20.0	19.0	24.5	23.5	29.5	25.5	---	---
2	14.0	13.0	18.0	17.0	20.0	19.5	23.5	22.5	28.0	25.0	---	---
3	14.5	13.5	17.0	15.5	20.0	18.5	23.0	22.5	28.5	24.0	---	---
4	14.5	13.5	18.0	15.5	20.0	18.5	23.0	22.0	28.5	24.5	---	---
5	14.0	13.0	17.5	16.0	22.5	19.5	23.5	22.0	29.0	25.0	---	---
6	14.5	13.5	17.0	16.0	23.5	21.5	24.5	23.0	28.0	26.0	---	---
7	15.5	14.0	17.0	15.5	24.5	22.5	25.0	23.5	26.5	25.0	---	---
8	15.0	14.0	17.5	15.5	25.5	23.5	25.5	24.0	26.0	24.0	---	---
9	15.0	14.0	18.5	16.0	26.5	25.0	27.5	25.0	27.5	24.0	---	---
10	15.5	14.0	18.0	17.0	27.0	25.0	29.5	25.5	29.0	25.0	---	---
11	15.5	14.5	18.5	16.5	27.5	25.5	30.0	27.0	29.5	25.5	---	---
12	15.5	14.0	19.0	16.5	28.0	26.0	31.0	28.0	31.0	26.5	---	---
13	16.0	14.5	19.0	17.5	29.5	26.5	30.0	27.5	31.5	28.0	---	---
14	17.5	15.5	19.0	18.5	30.0	27.0	31.0	27.5	33.5	30.0	---	---
15	19.0	17.0	19.5	18.0	29.0	27.0	31.0	28.5	32.0	27.0	---	---
16	20.0	18.5	19.0	17.5	27.5	26.0	30.0	27.5	30.5	25.5	---	---
17	20.5	19.0	18.5	17.5	28.5	25.5	27.5	24.0	28.5	25.5	---	---
18	21.5	19.5	18.0	17.0	27.0	26.0	24.5	23.5	28.0	26.0	---	---
19	21.5	20.0	19.0	17.0	26.5	25.5	24.5	23.0	---	---	---	---
20	22.5	20.5	20.5	18.0	26.0	24.5	24.0	23.5	---	---	---	---
21	22.0	21.0	22.0	19.5	25.0	24.0	27.5	24.5	---	---	---	---
22	22.0	20.0	23.0	20.5	24.5	23.5	29.5	25.5	---	---	---	---
23	23.0	21.0	23.0	21.5	24.0	23.0	29.5	27.5	---	---	20.0	22.0
24	22.5	21.5	22.5	21.0	24.0	23.0	31.5	29.0	---	---	20.0	22.5
25	21.0	18.5	22.5	20.5	24.0	23.0	32.0	29.0	---	---	21.5	23.0
26	18.5	17.0	23.0	20.5	25.5	23.0	32.0	28.5	---	---	22.0	23.5
27	18.5	17.0	23.0	21.5	27.0	24.5	31.0	29.5	---	---	22.0	23.0
28	17.5	16.5	23.0	21.5	27.0	25.5	31.5	27.5	---	---	20.0	22.0
29	18.5	16.0	23.0	21.0	27.0	25.5	30.5	27.0	---	---	20.0	21.0
30	19.0	17.0	23.0	22.0	25.5	24.5	30.0	26.0	---	---	19.0	22.0
31	---	---	21.5	18.5	---	---	30.5	26.0	---	---	---	---
MONTH	23.0	13.0	23.0	15.5	30.0	18.5	32.0	22.0	---	---	---	---

03374100 White River at Hazleton, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
OCT.							
06...	1600	19.5	1860	85	427	--	--
NOV.							
05...	1200	16.5	2930	96	759	--	--
DEC.							
09...	1445	7.0	8380	114	2580	--	--
JAN.							
13...	1545	2.5	11100	84	2520	--	--
FEB.							
25...	1130	7.5	46600	--	--	--	--
25...	1600	--	46600	172	21600	32	41
MAR.							
30...	1600	14.5	12700	126	4320	--	--
MAY							
05...	1100	16.0	3760	95	964	--	--
JUNE							
09...	1100	25.5	4900	149	1970	--	--
JULY							
13...	1600	30.0	3710	128	1280	--	--
AUG.							
18...	1200	27.0	4100	173	1920	--	--
SEP.							
22...	1030	21.5	1040	76	213	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM
OCT.							
06...	--	--	--	--	--	--	--
NOV.							
05...	--	--	--	--	--	--	--
DEC.							
09...	--	--	--	--	--	--	--
JAN.							
13...	--	--	--	--	--	--	--
FEB.							
25...	--	--	--	--	--	--	--
25...	53	74	94	95	95	96	100
MAR.							
30...	--	--	--	--	--	--	--
MAY							
05...	--	--	--	--	--	--	--
JUNE							
09...	--	--	--	--	--	--	--
JULY							
13...	--	--	--	--	--	--	--
AUG.							
18...	--	--	--	--	--	--	--
SEP.							
22...	--	--	--	--	--	--	--

03374455 Patoka River near Hardinsburg, Ind.

LOCATION.--Lat 38°26'41", long 86°23'14", in NW¼SE¼ sec.10, T.1 S., R.1 E., Orange County, on downstream edge of center pier of county road bridge, 0.3 mile (0.5 km) downstream from Pudge Creek, 0.7 mile (1.1 km) northeast of Valeene, 6.0 miles (9.7 km) southwest of Hardinsburg, and at mile 158.0 (254.2 km).

DRAINAGE AREA.--12.8 mi^2 (33.2 km^2).

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 606.89 ft (184.980 m) above mean sea level.

AVERAGE DISCHARGE.--8 years, 24.6 ft^3/s (0.697 m^3/s), 26.07 in/yr (662 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,960 ft^3/s (55.5 m^3/s) May 31, gage height, 8.22 ft (2.505 m); minimum daily, 0.16 ft^3/s (0.005 m^3/s) Oct. 6.
Period of record: Maximum discharge, 1,960 ft^3/s (55.5 m^3/s) May 31, 1976, gage height, 8.22 ft (2.505 m); no flow for several days in 1971, 1972, 1975.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.34	1.2	63	169	19	13	20	4.6	133	6.2	.87	14
2	.29	1.1	30	83	16	12	16	4.3	92	5.3	.68	4.5
3	.25	1.0	19	96	13	10	14	3.8	63	6.0	.56	2.2
4	.21	.94	14	51	11	9.3	12	3.3	45	5.7	.50	1.4
5	.18	.90	11	33	10	20	10	3.3	28	4.3	.47	1.1
6	.16	.90	22	25	12	16	9.0	5.0	19	3.4	4.9	.80
7	1.0	20	35	20	11	14	8.2	3.3	14	3.2	2.9	.68
8	4.0	14	22	16	10	12	7.2	2.8	11	2.7	1.5	.50
9	1.2	21	17	15	9.6	10	6.2	2.6	9.4	2.4	1.1	1.3
10	.80	83	13	14	9.8	9.0	5.8	2.4	7.3	2.0	.82	2.0
11	.70	33	10	17	9.8	8.0	5.8	2.2	5.7	1.8	.68	1.2
12	.60	18	8.8	19	8.5	10	5.2	2.3	5.0	1.5	.58	.70
13	.52	12	7.5	102	8.5	17	4.9	2.4	4.2	1.5	.67	.57
14	.45	8.6	6.8	98	7.5	14	4.9	2.5	3.7	1.3	.58	.41
15	.43	6.7	184	48	7.4	12	4.6	2.6	3.3	2.0	3.1	.39
16	.52	4.7	86	38	8.9	11	4.3	4.0	4.5	9.4	1.3	.39
17	1.1	3.8	40	26	231	9.9	3.8	7.0	4.0	5.2	.75	.36
18	40	3.3	24	17	660	9.2	3.8	11	3.2	2.8	.59	.36
19	20	2.9	17	14	121	8.7	3.5	13	3.3	2.2	.49	.34
20	12	5.0	15	12	58	14	3.3	9.6	2.8	1.8	.42	.40
21	7.1	4.0	12	11	214	81	3.8	8.0	2.5	1.7	.39	.38
22	4.9	3.0	10	10	131	41	4.0	11	8.9	1.3	.37	.35
23	3.6	2.5	8.5	12	59	29	3.5	8.0	7.1	1.2	.36	.31
24	2.9	2.3	6.7	20	41	24	3.3	4.8	35	1.0	.30	.29
25	2.4	2.2	9.4	267	32	20	5.2	3.1	146	.94	8.4	.22
26	2.1	2.1	198	581	25	17	9.0	2.8	51	.79	2.9	.31
27	1.8	4.0	62	100	20	18	6.8	2.5	23	.85	1.2	.79
28	1.6	6.0	36	54	18	16	5.5	3.1	14	.86	1.4	.67
29	1.5	10	27	39	15	15	5.2	3.7	10	2.7	1.6	.46
30	1.4	92	83	29	---	18	4.9	3.5	9.0	1.7	.81	.52
31	1.3	---	306	23	---	21	---	719	---	1.1	.62	---
TOTAL	115.35	370.14	1403.7	2059	1797.0	539.1	203.7	861.5	767.9	84.84	41.81	37.90
MEAN	3.72	12.3	45.3	66.4	62.0	17.4	6.79	27.8	25.6	2.74	1.35	1.26
MAX	40	92	306	581	660	81	20	719	146	9.4	8.4	14
MIN	.16	.90	6.7	10	7.4	8.0	3.3	2.2	2.5	.79	.30	.22
CFSM	.29	.96	3.54	5.19	4.84	1.36	.53	2.17	2.00	.21	.11	.10
IN.	.34	1.08	4.08	5.98	5.22	1.57	.59	2.50	2.23	.25	.12	.11

CAL YR 1975 TOTAL 11347.90 MEAN 31.1 MAX 953 MIN 0 CFSM 2.43 IN 32.98
WTR YR 1976 TOTAL 8281.94 MEAN 22.6 MAX 719 MIN .16 CFSM 1.77 IN 24.07

PEAK DISCHARGE (BASE, 500 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-15	1300	4.59	517	02-17	2330	7.40	1,560
12-31	1715	5.52	806	05-31	0330	8.22	1,960
01-26	0015	6.75	1,270				

03374470 Patoka River near English, Ind.

LOCATION.--Lat 38°26'26", long 86°27'21", in SW¼SW¼ sec.7, T.1 S., R.1 E., Orange County, at bridge on State Highway 37, 1 mile (1.6 km) upstream from Hogs Defeat Creek, 8.0 miles (12.8 km) north of English, 8.7 miles (14.0 km) south of Paoli, and at mile 150.9 (242.8 km).

DRAINAGE AREA.--30.8 mi^2 (79.77 km^2).

PERIOD OF RECORD.--CHEMICAL ANALYSES: July 1969 to current year.
WATER TEMPERATURES: August 1970 to current year.

EXTREMES.--WATER TEMPERATURE, Current year: Maximum temperature, 29.5°C July 12, minimum, 1.5°C Jan. 10.
Period of record: Maximum temperature, 33.0°C July 23, 1972; minimum, freezing point on many days during most winter periods.

REMARKS.--Discharge measurements only to bankfull stage.

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	PERCENT SODIUM	DISSOLVED POTASSIUM (K) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)
OCT. 07...	170	24	3.4	.1	4	4.0	4.8	28	.2	4.7
DEC. 08...	140	24	2.8	.1	4	1.3	3.8	30	.0	7.3
JAN. 12...	130	16	2.3	.1	4	1.0	2.2	27	.1	7.0
FEB. 26...	130	19	2.4	.1	4	.8	2.6	22	.2	6.9
MAR. 31...	130	27	2.7	.1	4	.9	2.3	28	.1	6.3
MAY 05...	160	30	2.9	.1	4	1.2	3.0	35	.1	4.2
JUNE 09...	160	25	2.5	.1	3	1.0	2.8	24	.1	7.0
JULY 14...	170	11	3.7	.1	4	1.7	3.4	27	.1	5.2
AUG. 16...	160	21	2.9	.1	4	2.1	3.2	25	.1	4.0
SEP. 29...	180	17	3.3	.1	4	3.0	4.0	27	.1	3.6

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	ALKALINITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT. 07...	1230	.26	13.5	345	7.7	3	146	5.7	178	0
DEC. 08...	1615	37	7.0	200	8.7	5	118	.5	144	0
JAN. 12...	1700	31	3.5	190	6.5	1	118	73	144	0
FEB. 26...	1230	45	10.0	269	7.2	1	110	14	134	0
MAR. 31...	1045	39	12.5	265	6.4	6	107	83	130	0
MAY 05...	1745	5.3	17.0	250	7.9	4	132	3.2	161	0
JUNE 09...	1615	16	20.5	322	8.1	1	137	2.1	167	0
JULY 14...	1245	2.6	23.5	380	7.8	1	159	4.9	194	0
AUG. 16...	1600	3.4	24.0	340	6.5	5	135	83	165	0
SEP. 29...	1800	.88	15.5	355	7.1	5	162	25	197	0

03374470 Patoka River near English, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	SUS-PENDED MAN-GANESE (MN) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED ORTHO PHOS-PHATE (P04) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)
OCT.										
07...	55	7.9	150	50	20	50	30	.18	.02	.06
DEC.										
08...	48	5.3	350	20	10	20	10	.03	.02	.01
JAN.										
12...	45	5.3	280	50	0	20	20	.03	.02	.01
FEB.										
26...	45	4.0	240	10	10	30	20	.03	.01	.01
MAR.										
31...	45	5.2	230	30	10	40	30	.03	.01	.01
MAY										
05...	54	6.5	210	50	10	30	20	.03	.02	.01
JUNE										
09...	56	5.3	260	30	10	30	20	.03	--	.01
JULY										
14...	56	7.3	100	30	10	30	20	.03	.02	.01
AUG.										
16...	53	5.8	140	50	10	30	20	.03	.04	.01
SEP.										
29...	60	7.0	80	50	0	30	30	.28	.03	.09

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS_ SOLVED NITRATE (NO3) (MG/L)	DIS_ SOLVED NITRITE (NO2) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVFD NITRITE PLUS NITRATE (N) (MG/L)
OCT.									
07...	206	196	.14	.28	.13	.03	.01	.03	.04
DEC.									
08...	178	172	17.8	.24	2.0	.03	.01	.45	.46
JAN.									
12...	160	164	13.4	.22	2.5	.03	.01	.56	.57
FEB.									
26...	159	152	19.3	.22	2.2	.07	.02	.50	.52
MAR.									
31...	161	156	17.0	.22	.84	.03	.01	.19	.20
MAY									
05...	193	187	2.78	.26	.40	.03	.01	.09	.10
JUNE									
09...	189	184	8.16	.26	2.7	.03	.01	.61	.62
JULY									
14...	214	203	1.50	.29	2.8	.03	.01	.64	.65
AUG.									
16...	202	178	1.85	.27	.75	.03	.01	.17	.18
SEP.									
29...	210	206	.50	.29	.27	.03	.01	.06	.07

03374470 Patoka River near English, Ind.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	15.0	12.5	14.0	11.0	9.0	7.0	8.0	7.5	4.5	4.0	11.5	11.0
2	12.5	10.5	16.0	12.5	7.0	6.0	8.0	8.0	4.0	2.5	13.0	11.5
3	13.0	9.5	16.0	14.0	6.5	6.0	8.5	7.5	2.5	2.0	14.0	12.5
4	15.0	11.0	17.5	14.5	6.5	6.0	7.5	6.0	2.5	2.0	15.5	13.5
5	15.5	12.0	18.0	15.0	7.0	6.0	6.0	4.0	3.5	3.0	15.0	13.5
6	17.0	14.0	17.0	14.5	8.5	7.0	4.0	3.5	3.5	3.5	14.5	10.5
7	15.0	13.0	17.0	16.5	8.5	7.5	5.5	4.0	3.5	2.5	10.5	9.0
8	14.5	13.5	17.0	16.5	7.5	6.5	5.5	4.0	3.0	2.0	9.5	9.0
9	15.0	13.5	16.5	16.0	7.0	6.5	4.0	2.0	3.5	2.5	9.5	9.0
10	15.5	14.5	17.0	15.5	6.5	6.0	2.0	1.5	6.0	3.5	9.5	8.5
11	16.0	14.5	15.5	13.5	6.5	5.5	4.0	2.0	8.0	6.0	10.5	9.0
12	16.0	13.5	14.0	13.5	7.5	6.5	4.0	3.5	7.5	6.0	11.5	10.0
13	17.0	14.0	13.5	11.0	9.0	7.5	5.0	3.5	9.0	7.0	10.5	9.0
14	17.5	15.5	11.0	9.0	10.5	10.0	5.5	5.0	9.0	8.0	9.0	7.5
15	17.5	15.0	9.0	8.0	11.0	11.0	4.5	4.5	9.5	8.5	9.0	8.0
16	17.0	15.0	9.5	8.5	10.0	8.5	5.5	5.0	11.5	9.5	9.5	8.0
17	15.0	13.5	10.0	8.5	8.5	7.0	4.5	3.5	11.5	10.5	8.5	7.0
18	13.5	12.0	10.0	8.5	7.0	4.5	3.5	2.5	10.5	10.0	8.5	7.0
19	12.0	11.5	10.5	8.5	4.0	3.0	2.5	2.0	10.0	9.0	10.0	8.5
20	12.0	10.5	10.5	9.0	3.5	3.5	3.0	2.0	9.5	8.5	11.5	10.0
21	13.0	11.5	9.5	8.5	4.0	4.0	3.0	3.0	10.5	9.5	11.5	10.0
22	15.0	13.0	8.5	8.0	4.0	3.0	3.5	3.0	10.0	9.5	10.5	8.5
23	16.0	14.0	8.5	7.0	3.5	2.0	3.5	2.0	9.5	8.5	11.0	10.0
24	17.0	14.5	7.0	6.0	2.5	2.0	5.0	3.5	9.0	8.0	11.5	10.0
25	16.5	15.0	6.5	5.5	3.0	2.5	6.0	4.5	10.0	9.5	11.5	11.0
26	15.5	14.0	6.0	4.5	6.0	3.0	6.5	6.0	11.0	10.0	13.5	11.5
27	14.5	12.0	5.0	4.5	6.5	6.0	6.5	5.5	11.0	10.5	14.0	11.5
28	15.0	13.5	5.0	4.0	6.5	6.0	6.0	4.0	10.5	9.5	11.5	11.0
29	14.5	13.0	7.0	4.5	6.5	6.5	6.0	5.5	11.0	10.0	11.5	11.5
30	13.0	11.0	9.5	7.0	7.5	6.5	5.5	5.0	---	---	14.0	11.5
31	12.5	9.0	---	---	8.5	7.5	5.0	4.5	---	---	14.0	12.5
MONTH	17.5	9.0	18.0	4.0	11.0	2.0	8.5	1.5	11.5	2.0	15.5	7.0

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	13.0	11.0	14.0	12.0	18.5	17.0	21.0	20.0	26.0	22.0	20.5	19.0
2	11.5	10.5	14.0	11.0	18.5	17.5	21.5	20.0	25.0	20.5	19.0	18.0
3	13.5	11.0	14.5	9.5	18.0	17.0	21.0	20.5	24.5	19.5	21.5	18.5
4	13.5	12.5	15.5	8.0	18.0	16.5	22.0	20.0	23.5	19.0	22.0	19.0
5	13.0	11.5	17.0	10.5	19.0	18.0	23.0	19.5	24.5	20.0	22.0	16.5
6	13.0	11.0	16.0	14.0	19.5	18.0	24.0	20.0	23.0	21.5	21.0	16.0
7	13.5	12.0	18.0	13.0	20.0	19.0	26.0	19.5	21.5	20.5	21.0	18.5
8	14.0	12.0	18.0	11.0	21.0	19.5	26.5	21.5	22.5	17.0	22.0	20.5
9	14.0	13.0	17.5	10.5	21.0	20.0	27.0	21.0	23.0	18.0	21.0	19.0
10	14.0	10.0	17.5	11.5	21.5	20.0	28.0	23.5	23.5	18.5	20.5	16.5
11	13.5	12.0	18.0	13.5	22.0	20.5	28.5	24.0	24.0	19.5	20.0	15.0
12	14.0	11.0	18.5	10.5	23.5	21.0	29.5	24.5	24.5	21.0	20.5	16.0
13	14.5	10.5	18.0	12.5	24.5	21.5	27.0	22.0	24.5	22.0	21.0	15.5
14	16.5	11.0	18.5	16.5	25.5	22.0	27.0	21.0	25.5	22.0	21.5	16.0
15	18.5	14.0	22.0	17.0	25.5	23.0	26.0	23.0	23.5	23.0	21.0	17.0
16	18.0	15.5	19.0	16.5	24.0	22.5	23.5	22.5	24.0	20.5	21.5	18.5
17	20.0	15.0	17.5	16.0	23.5	21.5	23.0	21.5	23.0	19.0	19.5	18.5
18	19.0	14.5	17.0	15.5	24.5	21.0	24.5	19.5	23.0	18.5	20.5	17.0
19	19.5	15.5	16.0	14.5	23.5	22.0	24.5	19.5	23.5	19.0	18.5	17.0
20	21.0	16.5	18.0	15.0	22.0	20.0	25.5	20.0	23.5	19.5	20.5	16.0
21	18.5	17.0	19.0	16.0	21.5	19.0	26.0	21.5	24.0	20.0	21.0	17.0
22	20.5	17.0	19.5	18.0	20.5	19.5	27.0	23.0	23.5	20.0	21.0	14.0
23	21.0	16.0	19.5	17.5	20.0	19.0	28.0	23.0	24.0	21.5	18.0	13.5
24	19.0	16.5	21.5	16.5	20.0	19.5	28.5	23.5	24.5	21.0	18.5	14.5
25	17.0	16.0	20.0	15.5	20.0	19.0	27.5	23.0	23.0	22.0	18.5	15.0
26	16.0	14.0	21.0	15.0	19.5	17.0	27.0	21.0	24.0	21.5	19.0	18.0
27	14.0	13.0	21.5	15.5	19.5	17.0	26.0	20.0	25.0	21.5	19.5	18.0
28	13.5	12.0	20.0	19.0	20.5	19.0	25.5	23.0	25.5	22.0	18.5	15.5
29	14.5	11.0	20.5	18.5	21.0	20.0	26.0	23.0	23.5	20.5	17.5	14.0
30	15.0	10.5	22.0	18.5	21.5	20.5	27.0	23.5	22.0	18.5	18.0	14.5
31	---	---	21.5	18.5	---	---	26.5	23.5	22.0	18.0	---	---
MONTH	21.0	10.0	22.0	8.0	25.5	16.5	29.5	19.5	26.0	17.0	22.0	13.5

03374500 Patoka River near Ellsworth, Ind.

LOCATION.--Lat 38°26'29", long 86°43'31", in SW¼SE¼ sec.10, T.1 S., R.3 W., Dubois County, on right bank 200 ft (61 m) upstream from county road bridge, 1.0 mile (1.6 km) northwest of Ellsworth, 2.8 miles (4.5 km) upstream from Dillon Creek, 4 miles (6 km) east of Dubois, and at mile 116.1 (186.8 km).

DRAINAGE AREA.--171 mi^2 (443 km^2).

PERIOD OF RECORD.--June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 477.00 ft (145.390 m) above mean sea level (levels by State of Indiana, Department of Natural Resources). Prior to Oct. 1, 1961, nonrecording gage on downstream side of bridge, 200 ft (61 m) downstream at same datum.

AVERAGE DISCHARGE.--15 years, 221 ft^3/s (6.259 m^3/s), 17.54 in/yr (446 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,520 ft^3/s (43.0 m^3/s) Feb. 21, gage height, 12.24 ft (3.731 m); minimum daily, 2.3 ft^3/s (0.065 m^3/s) Sept. 25.
Period of record: Maximum discharge, 14,700 ft^3/s (416 m^3/s) Mar. 10, 1964, gage height, 20.02 ft (6.102 m); no flow Oct. 30, 1964.
Flood in March 1913 reached a stage of 19.1 ft (5.82 m) according to information by local resident, discharge, 12,300 ft^3/s (348 m^3/s).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	27	845	1120	900	160	192	28	1110	531	25	37
2	14	26	824	1140	600	131	176	32	1260	471	16	111
3	12	25	669	1170	350	118	151	32	1360	219	11	106
4	9.2	24	390	1140	180	107	137	30	1370	139	9.1	50
5	8.4	24	176	1010	110	121	128	27	1320	96	8.0	26
6	8.2	24	191	777	120	165	115	28	1240	70	208	16
7	8.6	152	346	507	130	168	102	34	1110	55	236	11
8	57	318	347	308	120	142	92	31	868	49	110	9.3
9	113	336	273	221	110	126	81	28	529	38	54	19
10	86	923	191	188	107	113	73	25	150	30	31	48
11	60	929	151	174	114	100	69	21	66	25	20	45
12	40	795	124	168	107	97	67	19	50	21	14	30
13	30	522	106	226	102	140	61	20	40	18	12	19
14	24	199	94	617	96	136	58	22	32	16	12	13
15	22	113	433	711	91	130	55	23	27	19	14	9.7
16	24	89	896	619	90	119	52	28	25	32	13	6.4
17	43	74	915	415	331	114	49	39	32	35	12	6.1
18	424	63	795	245	1200	105	45	83	34	36	11	5.5
19	542	55	526	166	1330	97	41	109	42	29	10	4.4
20	393	59	233	145	1390	111	39	92	35	21	9.2	3.7
21	229	90	144	135	1470	531	38	65	27	16	7.9	3.5
22	141	77	117	125	1490	613	37	80	33	49	6.4	4.1
23	98	66	97	118	1410	493	35	93	208	36	5.4	3.8
24	73	58	86	133	1350	308	36	68	245	19	4.7	2.8
25	60	53	87	353	1270	203	42	47	507	13	5.1	2.3
26	53	49	657	1170	1140	165	58	36	689	11	4.8	3.1
27	46	80	874	1230	944	172	59	30	532	11	4.5	9.8
28	40	103	868	1240	657	179	58	27	563	10	9.0	8.7
29	35	157	710	1250	330	162	49	28	565	32	42	8.5
30	32	484	744	1180	---	175	37	32	602	31	31	7.6
31	30	---	918	1100	---	184	---	711	---	28	23	---
TOTAL	2769.4	5994	13827	19101	17639	5685	2232	1968	14671	2206	979.1	630.3
MEAN	89.3	200	446	616	608	183	74.4	63.5	489	71.2	31.6	21.0
MAX	542	929	918	1250	1490	613	192	711	1370	531	236	111
MIN	8.2	24	86	118	90	97	35	19	25	10	4.5	2.3
CFSM	.52	1.17	2.61	3.60	3.56	1.07	.44	.37	2.86	.42	.18	.12
IN.	.60	1.30	3.01	4.16	3.84	1.24	.49	.43	3.19	.48	.21	.14

CAL YR 1975 TOTAL 123002.30 MEAN 337 MAX 5450 MIN .50 CFSM 1.97 IN 26.76
WTR YR 1976 TOTAL 87701.80 MEAN 240 MAX 1490 MIN 2.3 CFSM 1.40 IN 19.08

PEAK DISCHARGE (BASE, 1,200 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
01-29	0200	10.85	1,260	06-03	2000	11.68	1,370
02-21	2400	12.24	1,520				

03375500 Patoka River at Jasper, Ind.

LOCATION.--Lat 38°24'49", long 86°52'36", in NW¼SE¼ sec.20, T.1 S., R.4 W., Dubois County, on left bank 0.3 mile (0.5 km) upstream from unnamed outlet of Jasper Lake, 1.0 mile (1.6 km) downstream from Coon Seitz bridge, 1.2 miles (1.9 km) downstream from Beaver Creek, 3.3 miles (5.3 km) northeast of Jasper, and at mile 91.5 (147.2 km).

DRAINAGE AREA.--262 mi^2 (679 km^2).

PERIOD OF RECORD.--November 1947 to current year.

GAGE.--Water-stage recorder. Datum of gage is 446.19 ft (135.999 m) above mean sea level. Nonrecording gage at bridge 5.6 miles (9.0 km) downstream, used for high-water periods when flow exceeds about 2,500 ft^3/s (70.8 m^3/s), at datum 0.34 ft (0.104 m) lower. Prior to Sept. 18, 1956, nonrecording gage at bridge 5.6 miles (9.0 km) downstream at datum 0.34 ft (0.104 m) lower.

AVERAGE DISCHARGE.--28 years (1948 to current year), 360 ft^3/s (10.20 m^3/s), 18.66 in/yr (474 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,090 ft^3/s (59.2 m^3/s) Feb. 23, gage height, 14.68 ft (4.474 m); minimum daily, 4.5 ft^3/s (0.127 m^3/s) Sept. 23.

Period of record: Maximum discharge, 14,100 ft^3/s (399 m^3/s) Mar. 11, 1964, gage height, 15.17 ft (4.624 m) at downstream gage; maximum gage height at upstream gage, 21.20 ft (6.462 m) Mar. 11, 1964, from floodmarks; no flow at times during 1948, 1952-56, 1963-65.

Flood in March 1913 reached a stage of 15.9 ft (4.85 m), at downstream site, from floodmark furnished by local residents, discharge 16,000 ft^3/s (453 m^3/s).

REMARKS.--Records good. Flow partially regulated by Beaver Creek Reservoir.

REVISIONS (WATER YEARS).--WSP 1909: 1958. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	55	1130	1560	1640	713	360	57	1200	636	34	27
2	31	51	1190	1630	1570	326	347	49	1370	564	28	49
3	27	50	1150	1670	1210	242	314	48	1480	487	23	108
4	25	48	919	1650	351	206	276	49	1590	243	19	96
5	20	46	510	1620	234	232	248	47	1680	150	16	44
6	17	44	370	1570	220	274	225	45	1710	94	305	28
7	16	203	566	1430	210	283	199	47	1690	60	429	21
8	35	486	542	800	200	266	174	51	1640	45	289	16
9	120	529	480	500	187	227	148	48	1530	40	127	27
10	180	1080	385	380	176	195	129	45	959	33	56	95
11	130	1260	301	310	179	166	115	42	281	28	37	53
12	94	1350	248	280	169	167	105	40	100	24	29	41
13	62	1270	223	350	125	336	98	36	59	20	26	31
14	50	841	191	700	143	305	90	41	45	18	23	24
15	46	369	544	909	132	248	84	46	36	19	33	19
16	44	220	1110	934	125	223	78	44	31	39	31	16
17	45	161	1230	810	230	197	73	49	29	49	22	11
18	80	126	1250	551	1290	179	68	78	30	34	18	8.6
19	200	103	1120	360	1520	161	63	126	33	31	16	6.9
20	700	99	762	275	1780	179	60	140	36	27	14	6.0
21	900	143	408	240	1960	848	57	115	34	22	14	4.8
22	720	163	284	219	2020	1020	57	85	29	25	12	5.1
23	440	135	228	204	2080	922	55	96	37	51	11	4.5
24	250	112	192	216	2050	706	52	108	254	35	9.7	5.5
25	150	100	180	494	1960	477	58	80	389	23	9.4	7.6
26	110	89	820	1370	1880	360	74	60	654	17	9.4	10
27	92	108	1130	1520	1790	378	80	51	685	14	8.6	15
28	80	163	1190	1750	1660	411	76	46	591	15	9.4	18
29	70	260	1190	1830	1430	368	73	46	627	47	16	17
30	62	716	1280	1770	---	370	66	46	660	47	34	13
31	58	---	1430	1700	---	370	---	670	---	51	35	---
TOTAL	4890	10380	22553	29602	28521	11355	3902	2531	19489	2988	1743.5	828.0
MEAN	158	346	728	955	983	366	130	81.6	650	96.4	56.2	27.6
MAX	900	1350	1430	1830	2080	1020	360	670	1710	636	429	108
MIN	16	44	180	204	125	161	52	36	29	14	8.6	4.5
CFSM	.60	1.32	2.78	3.65	3.75	1.40	.50	.31	2.48	.37	.21	.11
IN.	.69	1.47	3.20	4.20	4.05	1.61	.55	.36	2.77	.42	.25	.12

CAL YR 1975 TOTAL 205718.0 MEAN 564 MAX 7470 MIN 14 CFSM 2.15 IN 29.21
WTR YR 1976 TOTAL 138782.5 MEAN 379 MAX 2080 MIN 4.5 CFSM 1.45 IN 19.70

03375800 Hall Creek near St. Anthony, Ind.

LOCATION.--Lat 38°21'45", long 86°49'43", in NW¼NW¼ sec.11, T.2 S., R.4 W., Dubois County, on downstream side of right pier of bridge on County Road 125 South, 0.7 mile (1.1 km) upstream from Grassy Fork, 3.3 miles (5.3 km) north of St. Anthony, and at mile 4.1 (6.6 km).

DRAINAGE AREA.--21.8 mi^2 (56.5 km^2).

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

GAGE.--Water-stage recorder. Datum of the gage is 459.216 ft (139.969 m) above mean sea level (levels by State of Indiana, Department of Natural Resources).

AVERAGE DISCHARGE.--6 years, 28.3 ft^3/s (0.801 m^3/s), 17.63 in/yr (448 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,140 ft^3/s (88.9 m^3/s) Feb. 18, gage height, 11.86 ft (3.615 m); no flow Sept. 21-26.
Period of record: Maximum discharge, 4,400 ft^3/s (125 m^3/s) Apr. 24, 1975, gage height, 12.35 ft (3.764 m); maximum gage height, 12.38 ft (3.773 m) Feb. 23, 1975; minimum daily, no flow for many days in most years.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WDR IN-75-1: 1971-74.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	3.0	83	196	18	11	15	1.8	103	22	4.4	55
2	1.4	2.8	38	74	15	10	12	1.7	204	11	1.9	7.4
3	1.1	2.7	24	50	13	9.1	11	1.7	81	20	1.2	2.1
4	1.0	2.7	17	37	12	8.5	14	1.5	53	14	1.0	1.1
5	.98	2.6	13	25	11	18	11	1.3	33	7.8	.94	.75
6	.94	2.6	59	24	11	12	9.7	2.6	22	4.8	95	.58
7	.89	65	44	22	10	10	8.6	3.4	16	3.7	9.0	.44
8	22	21	27	19	9.4	9.2	7.2	1.5	11	2.5	4.0	.20
9	7.1	168	24	18	9.0	8.6	6.1	1.2	8.0	1.7	2.2	6.6
10	4.3	379	19	15	10	7.4	5.8	1.0	5.8	1.2	1.4	2.2
11	3.5	72	15	14	11	6.6	6.1	1.0	4.4	.94	.87	.39
12	2.8	35	12	13	9.4	9.8	5.4	.87	3.0	.69	.69	.23
13	2.6	25	10	130	9.7	13	5.0	.87	2.2	.69	2.7	.23
14	2.3	17	9.1	74	8.3	9.0	4.7	2.6	1.9	.69	1.0	.23
15	2.3	14	372	37	8.5	8.2	4.3	2.8	1.3	4.4	3.7	.20
16	2.3	11	94	28	11	8.8	3.8	4.4	6.0	8.0	1.1	.18
17	20	9.5	40	20	381	7.5	3.3	17	7.2	.81	.63	.12
18	90	8.4	22	16	1250	7.1	2.8	15	4.2	.69	.58	.08
19	42	7.5	12	14	79	6.7	2.6	6.0	14	.63	.58	.05
20	23	7.0	15	14	42	29	2.3	4.0	4.6	.48	.53	.02
21	14	7.6	13	13	226	79	6.9	2.8	2.9	.39	.53	0
22	9.2	7.4	11	12	112	29	2.5	2.4	6.3	7.7	.48	0
23	6.9	6.4	9.5	14	47	21	2.0	1.7	7.8	.63	.44	0
24	5.4	5.8	8.2	20	35	16	2.0	1.4	29	.48	.31	0
25	6.2	5.4	16	320	27	14	7.1	1.1	97	.31	.31	0
26	5.5	5.0	297	730	22	13	5.0	.87	28	.27	.53	0
27	4.4	6.0	59	72	18	26	2.8	.63	13	.27	.35	3.8
28	3.7	10	37	40	15	17	2.4	.94	16	3.4	4.6	2.0
29	3.4	47	54	31	13	17	2.1	2.4	74	17	10	.08
30	3.1	271	265	26	---	20	1.9	3.3	112	2.2	.44	.02
31	3.0	---	349	21	---	18	---	470	---	42	.27	---
TOTAL	297.11	1227.4	2067.8	2139	2443.3	479.5	175.4	559.78	971.6	181.37	151.68	84.00
MEAN	9.58	40.9	66.7	69.0	84.3	15.5	5.85	18.1	32.4	5.85	4.89	2.80
MAX	90	379	372	730	1250	79	15	470	204	42	95	55
MIN	.89	2.6	8.2	12	8.3	6.5	1.9	.63	1.3	.27	.27	0
CFSM	.44	1.88	3.06	3.17	3.87	.71	.27	.83	1.49	.27	.22	.13
IN.	.51	2.09	3.53	3.65	4.17	.82	.30	.96	1.66	.31	.26	.14

CAL YR 1975 TOTAL 16369.19 MEAN 44.8 MAX 2170 MIN .13 CFSM 2.06 IN 27.93
WTR YR 1976 TOTAL 10777.94 MEAN 29.4 MAX 1250 MIN 0 CFSM 1.35 IN 18.39

PEAK DISCHARGE (BASE, 600 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-10	0800	10.38	682	01-26	0500	11.18	1,650
11-30	1530	10.24	614	02-18	0300	11.86	3,140
12-15	1500	10.65	922	05-31	0600	10.65	922
12-31	2100	10.53	778				

03376260 Flat Creek near Otwell, Ind.

LOCATION.--Lat 38°26'12", long 87°07'52", in SE¼SE¼ sec.12, T.1 S., R.7 W., Pike County, on right bank at upstream side of bridge on State Highway 56, 2.2 miles (3.5 km) west of intersection of State Highways 56 and 257, 2.5 miles (4.0 km) southeast of Otwell, 6.2 miles (10.0 km) east of intersection of State Highways 56 and 61, and at mile 10.9 (17.5 km).

DRAINAGE AREA.--21.3 mi^2 (55.2 km^2).

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is 448.00 ft (136.550 m) above mean sea level.

AVERAGE DISCHARGE.--12 years, 21.1 ft^3/s (0.598 m^3/s), 13.45 in/yr (342 mm/yr).

EXTREMES.--Current year: Maximum discharge, 940 ft^3/s (26.6 m^3/s) Feb. 18, gage height, 11.25 ft (3.429 m); no flow July 26-28, Aug. 30 to Sept. 1, Sept. 8, 9, 14-26.
Period of record: Maximum discharge, 1,320 ft^3/s (37.4 m^3/s) Feb. 9 or 10, 1965, gage height, 11.89 ft (3.624 m) from recorded range in stage; no flow at times most years.
Flood in March 1964 reached a stage of 12.58 ft (3.834 m) 30 ft (9 m) downstream from bridge.

REMARKS.--Records poor.

REVISIONS.--WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	1.7	53	100	10	9.7	8.0	1.2	31	20	.78	0
2	1.2	1.3	15	42	8.1	8.8	6.4	1.2	124	9.0	.55	.85
3	1.0	1.2	10	37	6.1	7.9	5.6	1.2	31	16	.45	.36
4	.92	1.4	9.0	15	4.2	7.2	6.7	1.2	24	9.0	.49	.19
5	.85	1.4	8.0	7.7	3.2	17	5.9	1.0	11	5.0	.48	.11
6	.76	1.6	44	6.5	2.6	9.7	5.1	.88	6.8	3.5	28	.45
7	.59	102	24	9.3	2.2	8.0	4.4	1.1	5.6	2.8	5.6	.15
8	19	28	11	5.9	1.8	7.6	3.3	.98	4.5	2.5	.80	0
9	11	42	15	4.0	3.0	6.3	2.6	.78	4.2	3.0	.64	0
10	5.9	108	11	3.5	13	5.2	2.5	.72	3.9	2.0	.58	4.8
11	5.8	33	9.0	6.4	21	4.8	2.6	.74	3.2	1.5	.57	.52
12	5.1	19	7.2	5.8	13	19	2.6	.73	2.6	1.2	.57	.17
13	2.5	8.3	6.4	84	15	24	2.5	3.6	2.1	1.1	7.8	.02
14	1.8	5.1	6.0	43	12	9.6	2.4	62	1.7	1.1	1.4	0
15	1.7	4.2	277	17	11	7.7	2.2	140	1.7	4.0	5.7	0
16	1.5	3.5	55	10	12	7.1	2.0	53	4.0	6.5	.69	0
17	7.6	3.1	33	6.0	70	5.5	1.7	42	6.0	2.0	.40	0
18	54	2.7	20	3.9	429	4.8	1.5	25	3.0	.90	.32	0
19	46	2.6	11	3.1	46	4.4	1.4	8.6	10	.50	.33	0
20	18	5.6	13	2.8	25	26	1.5	4.8	3.0	.35	.24	0
21	7.8	7.0	10	2.5	269	94	2.3	3.3	2.0	.30	.19	0
22	5.3	3.9	6.5	2.3	64	18	2.1	2.7	4.0	4.0	.15	0
23	3.9	3.0	4.9	2.2	28	12	1.4	2.5	6.0	.40	.18	0
24	3.0	2.8	5.1	9.9	20	9.6	1.5	2.8	20	.19	.27	0
25	9.7	2.8	8.5	239	16	7.9	4.6	2.4	60	.05	.32	0
26	11	3.4	157	206	13	7.3	3.2	2.0	20	0	.41	0
27	4.7	8.8	45	35	12	48	2.0	1.5	10	0	.32	.80
28	2.3	9.7	35	21	11	18	1.6	1.8	100	0	.23	1.6
29	2.0	42	69	16	10	15	1.4	3.0	60	4.8	.08	.20
30	2.2	411	363	15	---	26	1.2	5.4	80	2.1	0	.04
31	2.2	---	340	13	---	12	---	112	---	1.3	0	---
TOTAL	240.52	870.1	1681.6	974.8	1151.2	468.1	92.2	490.13	645.3	105.09	58.54	10.26
MEAN	7.76	29.0	54.2	31.4	39.7	15.1	3.07	15.8	21.5	3.39	1.89	.34
MAX	54	411	363	239	429	94	8.0	140	124	20	28	4.8
MIN	.59	1.2	4.9	2.2	1.8	4.4	1.2	.72	1.7	0	0	0
CFSM	.36	1.36	2.54	1.47	1.86	.71	.14	.74	1.01	.16	.09	.02
IN.	.42	1.52	2.94	1.70	2.01	.82	.16	.86	1.13	.18	.10	.02

CAL YR 1975 TOTAL 12070.93 MEAN 33.1 MAX 1040 MIN .14 CFSM 1.55 IN 21.08
WTR YR 1976 TOTAL 6787.84 MEAN 18.5 MAX 429 MIN 0 CFSM .87 IN 11.85

PEAK DISCHARGE (BASE, 450 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-30	1400	11.17	890	01-25	2400	10.37	559
12-15	1300	10.76	701	02-18	0300	11.25	940
12-31	1800	11.02	815	02-21	1200	10.68	669

03376350 South Fork Patoka River near Spurgeon, Ind.

LOCATION.--Lat 38°17'50", long 87°15'39", in SE¼NE¼ sec.35, T.2 S., R.8 W., Pike County, on right bank at downstream side of bridge on State Highway 61, 0.5 mile (0.8 km) north of Enos Corner, 3.1 miles (5.0 km) north of Spurgeon, and at mile 8.0 (12.9 km).

DRAINAGE AREA.--42.8 mi^2 (110.9 km^2).

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is 420.88 ft (128.284 m) above mean sea level.

AVERAGE DISCHARGE.--12 years, 46.8 ft^3/s (1.325 m^3/s), 14.85 in/yr (377 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,490 ft^3/s (70.5 m^3/s) June 2, gage height, 11.86 ft (3.615 m); minimum daily, 5.3 ft^3/s (0.15 m^3/s) Sept. 24.
Period of record: Maximum discharge, 3,600 ft^3/s (102 m^3/s) Apr. 28, 1970, gage height, 12.79 ft (3.898 m) (corrected); minimum daily, 2.3 ft^3/s (0.065 m^3/s) Nov. 10, 14, 1964, Aug. 22, 24, 25, 1965.
Flood in March 1964 reached a stage of 13.09 ft (3.99 m), from floodmarks, discharge 4,000 ft^3/s (113 m^3/s).

REMARKS.--Records good. Regulation by coal-washing operation and strip-mining above gage.

REVISIONS.--WSP 2109: Drainage area. WDR IN-75-1: 1965-74 (P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	12	120	177	48	37	40	14	171	27	13	73
2	7.5	11	59	116	38	35	33	15	978	24	12	21
3	6.8	12	39	90	31	34	30	14	259	62	12	13
4	6.6	12	32	60	27	33	33	12	187	34	11	11
5	6.7	11	27	55	32	69	28	12	93	25	11	12
6	6.7	12	114	64	35	44	25	16	65	23	22	11
7	6.7	243	64	50	34	38	23	21	53	22	15	11
8	39	72	43	45	32	35	20	16	44	18	12	9.7
9	17	154	42	40	30	32	21	16	38	33	11	47
10	12	308	31	37	35	29	20	15	32	26	10	14
11	13	92	27	37	37	27	25	23	31	17	10	9.2
12	8.8	56	23	37	32	41	23	17	30	15	10	9.1
13	7.9	39	21	89	33	36	19	19	30	13	9.6	8.7
14	7.9	32	19	73	30	31	18	149	28	13	9.7	7.4
15	7.8	28	377	52	30	29	17	378	26	14	12	6.9
16	7.6	25	143	52	36	29	18	176	29	15	11	6.5
17	68	22	77	39	334	23	20	234	27	13	9.7	6.7
18	184	21	52	33	713	23	18	157	25	13	9.4	7.2
19	98	19	44	31	147	22	18	70	25	13	9.1	7.3
20	47	31	35	28	90	82	16	49	24	12	8.9	7.6
21	29	30	30	26	235	196	21	39	23	12	8.8	6.8
22	22	24	25	29	133	66	16	33	21	15	9.7	6.1
23	19	20	22	32	80	47	14	30	22	12	10	6.0
24	16	19	21	33	64	38	21	28	48	11	9.4	5.3
25	37	18	41	248	54	35	63	22	163	11	15	5.4
26	23	18	264	267	47	32	37	19	53	11	11	12
27	19	44	97	98	42	86	22	18	32	11	9.3	13
28	16	35	67	71	41	48	17	30	28	13	9.1	8.9
29	15	76	128	58	40	56	16	27	80	45	9.7	7.0
30	13	332	329	53	---	71	15	49	54	16	9.5	7.7
31	12	---	290	47	---	48	---	311	---	14	8.6	---
TOTAL	788.0	1828	2703	2167	2560	1452	707	2029	2719	603	338.5	377.5
MEAN	25.4	60.9	87.2	69.9	88.3	46.8	23.6	65.5	90.6	19.5	10.9	12.6
MAX	184	332	377	267	713	196	63	378	978	62	22	73
MIN	6.6	11	19	26	27	22	14	12	21	11	8.6	5.3
CFSM	.59	1.42	2.04	1.63	2.06	1.09	.55	1.53	2.12	.46	.25	.29
IN.	.68	1.59	2.35	1.88	2.22	1.26	.61	1.76	2.36	.52	.29	.33

CAL YR 1975 TOTAL 28672.9 MEAN 78.6 MAX 1640 MIN 6.1 CFSM 1.84 IN 24.92
WTR YR 1976 TOTAL 18272.0 MEAN 49.9 MAX 978 MIN 5.3 CFSM 1.17 IN 15.88

PEAK DISCHARGE (BASE, 1,000 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-15	1300	8.65	1,020	06-02	0700	11.86	2,490
02-18	0300	11.03	1,890				

03376500 Patoka River near Princeton, Ind.

LOCATION.--Lat 38°23'30", long 87°32'55", in Location 107, T.1 S., R.10 W., Gibson County, on left bank 75 ft (23 m) upstream from dam of Princeton Water and Lighting Co., 0.1 mile (0.2 km) downstream from bridge on State Highway 65, 0.6 mile (1.0 km) downstream from Indian Creek, 2 miles (3 km) northeast of Princeton, and at mile 21.5 (34.6 km).

DRAINAGE AREA.--822 mi^2 (2,129 km^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).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 394.14 ft (120.134 m) above mean sea level (levels by State of Indiana, Department of Natural Resources). See WSP 1725 for history of changes prior to Jan. 21, 1941.

AVERAGE DISCHARGE.--42 years, 988 ft^3/s (27.98 m^3/s), 16.32 in/yr (415 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,910 ft^3/s (82.4 m^3/s) Jan. 9, gage height, 12.58 ft (3.834 m); minimum daily, 24 ft^3/s (0.68 m^3/s) Sept. 25, 26.
Period of record: Maximum discharge, 18,700 ft^3/s (530 m^3/s) Jan. 26, 1937, gage height, 26.80 ft (8.169 m), site and datum then in use; no flow Aug. 29 to Sept. 12, 1936.

REMARKS.--Records good except those for periods of no gage-height record, June 21 to July 26, which are poor.

REVISIONS (WATER YEARS).--WSP 1275: 1952. WSP 1335: 1935-36, 1938-39, 1949(M), 1949-50. WSP 1385: 1951-52. WSP 2109: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	176	164	1030	2330	1820	2850	1030	167	1180	820	219	70
2	165	147	1080	2450	1820	2860	936	159	1640	820	177	166
3	151	134	1150	2550	1870	2840	825	145	1650	800	161	167
4	138	125	1210	2590	1920	2790	734	127	1790	780	108	222
5	125	118	1250	2620	1960	2760	678	110	1960	750	76	182
6	112	112	1290	2650	2000	2690	635	100	2100	700	89	141
7	103	256	1320	2700	2030	2610	590	105	2180	650	244	133
8	94	714	1350	2720	2040	2510	540	105	2210	600	537	100
9	96	829	1380	2870	2020	2380	464	99	2190	500	569	392
10	141	967	1380	2830	2000	2190	388	100	2160	350	492	350
11	197	1040	1380	2780	1930	1940	332	96	2100	200	306	117
12	219	1080	1360	2730	1790	1670	303	98	2040	100	195	112
13	221	1140	1300	2720	1600	1360	274	89	1970	80	128	128
14	217	1170	1200	2710	1340	1080	256	381	1900	60	98	112
15	205	1200	1250	2660	1080	908	238	788	1840	55	83	89
16	187	1220	1220	2580	847	790	227	1090	1760	90	90	72
17	167	1230	1220	2410	806	686	215	1140	1590	120	94	60
18	167	1230	1270	2280	1420	622	200	1150	1190	110	85	53
19	446	1240	1310	2150	1490	582	185	1110	654	100	75	44
20	746	1230	1340	2010	1650	557	172	969	324	80	64	38
21	853	1150	1350	1870	1970	871	169	704	210	70	54	35
22	900	943	1360	1720	2200	1030	180	515	150	80	45	30
23	911	709	1360	1540	2330	1100	165	358	120	100	38	27
24	864	547	1350	1320	2440	1140	149	265	150	110	34	26
25	716	367	1340	1300	2530	1170	182	213	500	100	31	24
26	585	196	1400	1470	2620	1190	267	191	800	87	38	24
27	431	139	1360	1490	2700	1210	256	182	840	87	34	33
28	296	234	1350	1590	2770	1200	227	170	840	74	31	38
29	245	474	1400	1690	2830	1180	199	182	820	109	30	35
30	214	889	1760	1750	---	1180	180	174	840	151	29	35
31	187	---	2060	1790	---	1100	---	1030	---	242	28	---
TOTAL	10275	20994	41390	68870	55823	49046	11196	12112	39698	8975	4282	3055
MEAN	331	700	1335	2222	1925	1582	373	391	1323	290	138	102
MAX	911	1240	2060	2870	2830	2860	1030	1150	2210	820	569	392
MIN	94	112	1030	1300	806	557	149	89	120	55	28	24
CFSM	.40	.85	1.62	2.70	2.34	1.92	.45	.48	1.61	.35	.17	.12
IN.	.46	.95	1.87	3.12	2.53	2.22	.51	.55	1.80	.41	.19	.14

CAL YR 1975 TOTAL 556515 MEAN 1525 MAX 7640 MIN 37 CFSM 1.86 IN 25.19
WTR YR 1976 TOTAL 325716 MEAN 890 MAX 2870 MIN 24 CFSM 1.08 IN 14.74

03377500 Wabash River at Mount Carmel, Ill.

LOCATION.--Lat 38°24'07", long 87°45'10", in SE¼NW¼ sec.28, T.1 S., R.12 W., Wabash County, Illinois, on right bank on downstream side of Southern Railway bridge at Mount Carmel, 0.2 mile (0.3 km) downstream from Patoka River, and at mile 94.4 (151.9 km).

DRAINAGE AREA.--28,635 mi^2 (74,165 km^2).

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 Corps of Engineers and since June 1884, are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 371.46 ft (113.221 m) above mean sea level. See WSP 1725 for history of changes prior to Sept. 30, 1949.

AVERAGE DISCHARGE.--49 years, 26,950 ft^3/s (763.2 m^3/s), 12.77 in/yr (324 mm/yr).

EXTREMES.--Current year: Maximum discharge, 106,000 ft^3/s (3,000 m^3/s) Feb. 27, gage height, 22.21 ft (6.770 m); minimum daily, 4,280 ft^3/s (121 m^3/s) Sept. 28.
Period of record: Maximum discharge, 305,000 ft^3/s (8,640 m^3/s) May 25, 1943, maximum gage height, 28.62 ft (8.723 m) Feb. 5, 6, 1969; minimum daily discharge, 1,650 ft^3/s (46.7 m^3/s) Sept. 27, 28, 1941.
1874-78, 1884 to current year: Maximum discharge, 428,000 ft^3/s (12,100 m^3/s), from rating curve extended above 310,000 ft^3/s (8,780 m^3/s) Mar. 30, 1913, gage height, 31.0 ft (9.45 m), present site and datum.

REMARKS.--Records good. Flow partially regulated by upstream reservoirs.

REVISIONS.--WRD Ind. 1973: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8300	9700	18300	46600	47000	88500	43500	13900	15000	26100	10700	5230
2	7980	9590	29400	52200	48000	79700	40100	13900	16700	30700	9910	5350
3	7750	9360	35400	53500	46600	72900	35500	13100	18200	32600	9250	5260
4	7650	9110	37200	53300	43000	67400	32200	12600	18200	31600	8610	5050
5	7500	8930	37400	52200	36100	63200	29800	12100	18400	26900	8140	4880
6	7320	8750	35200	50400	29500	63600	27800	11700	18300	23000	7730	4670
7	7100	8820	32000	47400	27800	67400	25900	11400	17300	20100	7650	4570
8	7070	9860	29000	44000	28000	71500	23900	11000	16200	17600	7650	4500
9	7080	11400	26000	40200	26800	74800	22200	10800	15200	15900	7810	5020
10	7460	12400	23400	37600	25100	77800	20900	10900	14100	14600	8250	6190
11	7840	14100	22200	32800	25500	79700	19700	11000	12900	13400	8480	5980
12	8630	15400	21600	27800	31300	79200	18500	10800	12300	12400	8050	5170
13	9070	15600	20600	24200	38600	75400	17600	10600	11600	11500	7590	4830
14	9120	15000	19200	22800	42600	69200	16800	10400	11000	10800	7580	4820
15	8920	14300	18500	29200	45200	63300	16300	11000	10600	10100	8110	4960
16	8470	13800	25600	32600	47100	58600	15700	12600	10300	10300	9400	4770
17	8090	13300	36400	34200	48800	54500	15200	13600	10400	13300	9930	4710
18	7970	12600	44800	33600	52600	50800	14800	13200	11300	15400	9370	5310
19	8640	12000	48800	32400	58000	47800	14400	12700	11600	15000	8770	5780
20	9840	11800	49800	31600	61300	45000	14100	12200	11200	13700	8430	6010
21	10700	11400	49800	29600	66000	44000	13800	11600	10200	12500	7790	6100
22	11300	10800	47600	26600	74600	46500	13600	10800	9560	11700	7180	5980
23	11600	10100	42800	23400	83700	49700	13600	10000	9810	11300	6720	5760
24	11800	10100	37200	21600	92800	49600	13500	9440	10600	10800	6420	5430
25	11700	9750	33200	22000	99200	47100	13400	9000	10400	9600	6150	5060
26	11600	9370	30600	23800	103000	44400	13100	8590	10400	9070	5900	4750
27	11400	9370	29600	35400	105000	41700	12900	8170	12100	8850	5770	4480
28	10900	9370	30000	43800	103000	39600	12900	7970	15500	8420	5570	4280
29	10400	9370	28200	45600	97000	38400	13100	7930	17400	8510	5410	4310
30	10000	11800	30800	44200	---	39500	13400	7870	20400	9890	5310	4310
31	9710	---	37200	45000	---	42400	---	10800	---	11100	5150	---
TOTAL	282910	337250	1007800	1139600	1633200	1833200	598200	341670	407170	476740	238780	153520
MEAN	9126	11240	32510	36760	56320	59140	19940	11020	13570	15380	7703	5117
MAX	11800	15600	49800	53500	105000	88500	43500	13900	20400	32600	10700	6190
MIN	7070	8750	18300	21600	25100	38400	12900	7870	9560	8420	5150	4280
CFSM	.32	.39	1.14	1.28	1.97	2.07	.70	.38	.47	.54	.27	.18
IN.	.37	.44	1.31	1.48	2.12	2.38	.78	.44	.53	.62	.31	.20

CAL YR 1975 TOTAL 12632650 MEAN 34610 MAX 134000 MIN 7070 CFSM 1.21 IN 16.41
WTR YR 1976 TOTAL 8450040 MEAN 23090 MAX 105000 MIN 4280 CFSM .81 IN 10.98

03378000 Bonpas Creek at Browns, Ill.

LOCATION.--Lat 38°23'11", long 87°58'32", in NW¼SE¼ sec.33, T.1 S., R.14 W., Wabash County, near center of span on downstream side of bridge on State Highway 15, 0.51 mile (0.8 km) north of Browns and 0.7 mile (1.1 km) upstream from Southern Railway bridge.

DRAINAGE AREA.--228 mi^2 (591 km^2).

PERIOD OF RECORD.--October 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 372.92 ft (113.666 m) above mean sea level. Prior to Dec. 11, 1968, water-stage recorder and concrete dam at site 0.4 mile (0.6 km) downstream at datum 2.0 ft (0.6 m) higher. Dec. 11, 1968, to Aug. 13, 1969, nonrecording gage at site 0.5 mile (0.8 km) downstream at datum 1.0 ft (0.30 m) lower. Auxiliary nonrecording gage near mouth on Wabash River at Grayville read twice daily.

AVERAGE DISCHARGE.--36 years, 219 ft^3/s (6.202 m^3/s), 13.04 in/yr (331 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,430 ft^3/s (40.5 m^3/s) Jan. 1, gage height, 13.49 ft (4.112 m); minimum daily, 0.02 ft^3/s (0.001 m^3/s) Aug. 31, Sept. 7, 8.
Period of record: Maximum discharge, 7,500 ft^3/s (212 m^3/s) May 9, 1961, gage height, 24.04 ft (7.327 m), site and datum then in use; no flow at times in most years.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.53	4.2	914	1410	45	32	117	9.3	1310	6.0	15	.06
2	.49	4.2	776	1340	38	24	64	7.2	1330	3.5	23	.10
3	.37	4.3	316	1150	35	17	47	5.7	1260	2.1	12	.18
4	.38	4.3	84	721	30	19	43	4.7	835	1.5	7.2	.08
5	.37	4.5	51	197	26	118	38	3.8	317	4.6	3.5	.04
6	.34	5.0	208	69	26	236	35	3.7	129	9.6	2.4	.03
7	.32	6.2	264	45	27	123	30	7.2	47	11	5.5	.02
8	4.5	9.5	108	35	22	63	25	7.1	30	10	7.0	.02
9	113	12	64	28	21	45	21	5.4	22	7.7	3.5	95
10	34	39	48	23	23	37	19	4.6	18	4.1	2.2	132
11	12	52	35	19	36	32	17	4.5	15	1.6	2.1	25
12	6.1	22	28	16	43	39	16	3.5	12	.79	1.9	7.3
13	4.4	14	23	30	45	252	15	3.1	9.2	.44	2.1	2.6
14	3.4	9.4	20	352	53	357	14	3.9	7.3	.32	2.8	.76
15	2.8	7.0	500	437	50	102	13	18	6.7	.24	54	.23
16	2.6	5.5	854	214	45	51	12	95	8.1	.17	22	.10
17	2.8	5.0	806	100	88	38	11	52	8.6	.18	9.9	.10
18	17	4.4	449	60	1090	32	9.6	39	7.1	23	5.5	.12
19	47	4.2	92	40	987	29	9.1	23	5.4	14	2.6	.24
20	39	5.7	45	29	855	43	11	15	4.5	8.3	2.2	.92
21	24	9.9	32	26	866	404	13	11	4.0	10	2.1	1.3
22	14	13	26	23	897	315	16	7.8	3.5	76	1.9	1.6
23	9.2	9.9	22	23	774	109	16	5.8	3.0	20	1.4	1.5
24	6.9	7.2	19	26	489	60	16	4.3	20	34	1.2	1.6
25	5.6	5.9	21	274	121	45	18	3.2	22	205	.63	1.8
26	5.1	5.5	185	797	51	37	18	2.5	20	27	.12	1.6
27	5.6	6.1	242	724	32	38	15	2.3	15	12	.09	2.5
28	5.7	7.0	153	300	26	38	14	3.8	11	6.2	.06	2.9
29	5.3	23	264	90	31	68	13	12	11	8.3	.04	3.2
30	4.5	695	1110	60	---	517	12	84	9.9	9.9	.03	3.0
31	4.1	---	1270	50	---	261	---	1200	---	11	.02	---
TOTAL	381.40	1004.9	9029	8708	6872	3581	717.7	1652.4	5501.3	528.54	193.99	285.90
MEAN	12.3	33.5	291	281	237	116	23.9	53.3	183	17.0	6.26	9.53
MAX	113	695	1270	1410	1090	517	117	1200	1330	205	54	132
MIN	.32	4.2	19	16	21	17	9.1	2.3	3.0	.17	.02	.02
CFSM	.05	.15	1.28	1.23	1.04	.51	.10	.23	.80	.07	.03	.04
IN.	.06	.16	1.47	1.42	1.12	.58	.12	.27	.90	.09	.03	.05

CAL YR 1975 TOTAL 115327.89 MEAN 316 MAX 3160 MIN .28 CFSM 1.39 IN 18.82
WTR YR 1976 TOTAL 38456.13 MEAN 105 MAX 1410 MIN .02 CFSM .46 IN 6.27

03378500 Wabash River at New Harmony, Ind.

LOCATION.--Lat 38°07'55", long 87°56'25", in SE¼SE¼ sec.35, T.4 S., R.14 W., Posey County, at bridge on U.S. Highway 460 at New Harmony, at Indiana-Illinois State Line, and at mile 51.5 (82.9 km).

DRAINAGE AREA.--29,234 mi^2 (75,716 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: October 1938 to September 1947.
CHEMICAL ANALYSIS: October 1974 to current year.
WATER TEMPERATURE: October 1974 to current year.
SEDIMENT DISCHARGE: October 1974 to current year.

GAGE.--See WSP 1305.

AVERAGE DISCHARGE.--9 years (1938-47), 24,380 ft^3/s (690.4 m^3/s), 11.34 in/yr (288 mm/yr).

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	TURBIDITY (JTU)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	CARBON DIOXIDE (CO2) (MG/L)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.											
06...	1100	17.0	6730	25	510	13.9	8.5	1.2	195	238	0
NOV.											
04...	1200	14.5	8320	20	555	10.7	8.6	1.0	201	245	0
DEC.											
09...	1115	6.0	26100	60	475	--	8.2	2.1	171	208	0
JAN.											
13...	1100	1.5	25700	30	370	10.0	7.7	6.4	166	202	0
FEB.											
24...	1100	7.0	92000	130	356	9.4	7.6	5.2	106	129	0
MAR.											
30...	1045	14.0	38600	60	375	--	7.4	13	166	202	0
MAY											
04...	1230	14.0	11700	15	520	14.2	8.0	3.5	181	221	0
JUNE											
08...	1200	24.0	15300	30	522	7.3	7.3	15	157	192	0
JULY											
13...	1100	28.0	10200	10	575	8.3	8.4	1.5	192	234	0
AUG.											
17...	1430	26.5	8970	10	620	7.8	8.0	2.9	150	183	0
SEP.											
21...	1100	22.5	5920	10	625	9.8	7.5	11	179	218	0

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	PERCENT SODIUM
OCT.											
06...	2.4	1.4	1.0	.15	270	78	65	27	21	.6	14
NOV.											
04...	2.0	1.2	.79	.26	280	79	76	22	21	.5	14
DEC.											
09...	3.5	.72	2.8	.32	250	78	65	21	13	.4	10
JAN.											
13...	2.6	.00	2.6	.18	240	75	60	22	11	.3	9
FEB.											
24...	4.9	1.3	3.6	.35	150	48	42	12	6.7	.2	8
MAR.											
30...	3.3	.88	2.4	.15	230	65	61	19	12	.3	10
MAY											
04...	2.2	1.6	.57	.14	260	75	58	27	18	.5	13
JUNE											
08...	3.9	.85	3.0	.26	230	75	57	22	16	.5	13
JULY											
13...	4.1	1.0	3.1	.18	--	--	--	--	--	--	--
AUG.											
17...	1.8	1.6	.23	.32	210	57	50	20	19	.6	16
SEP.											
21...	1.6	1.4	.22	.20	250	74	55	28	29	.8	20

03378500 Wabash River at New Harmony, Ind.--Continued

EXTREMES.--WATER DISCHARGE, Period of record: Maximum discharge, 339,000 ft^3/s (9,600 m^3/s) May 26, 1943, gage height, 23.84 ft (7.266 m); minimum daily discharge, 1,800 ft^3/s (51.0 m^3/s) Sept. 29, 30, 1941.
Flood of March 1913 reached a stage of 27.7 ft (8.44 m). Flood of Jan. 31, 1937, reached a stage of 24.4 ft (7.44 m).

SPECIFIC CONDUCTANCE, Current year: Maximum conductance, 650 micromhos Nov. 10; minimum, 345 micromhos Feb. 22-24.
Period of record: Maximum conductance, 650 micromhos Nov. 10, 1975; minimum, 300 micromhos Feb. 28, Mar. 1, 1975.

WATER TEMPERATURE, Current year: Maximum temperature, 29.0°C July 14, 25; minimum, 0.0°C Jan. 9-12, Feb. 3.
Period of record: Maximum temperature, 29.0°C July 4, Aug. 1, 21-25, 1975, July 14, 25, 1976; minimum, 0.0°C Jan. 9-12, Feb. 3, 1976.

REMARKS.--Water discharge obtained from station Wabash River at Mount Carmel, Ill. (see station 03377500).

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL PHYTO-PLANK-TON (CELLS PER ML)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRO-GEN (NO3) (MG/L)
OCT.											
06...	2.9	29	76	.3	2.8	140000	352	341	6400	.48	11
NOV.											
04...	3.4	30	85	.3	3.6	120000	434	362	9750	.59	8.8
DEC.											
09...	3.4	25	68	.2	7.2	--	317	305	22300	.43	16
JAN.											
13...	2.7	19	58	.1	8.0	950	305	280	21200	.41	12
FEB.											
24...	3.2	15	35	.2	6.2	1600	209	184	51900	.28	22
MAR.											
30...	2.5	20	61	.2	6.5	15000	293	282	30500	.40	15
MAY											
04...	2.3	25	78	.9	.1	150000	330	318	10400	.45	9.6
JUNE											
08...	2.5	23	70	.2	6.4	24000	370	292	15300	.50	17
JULY											
13...	--	23	65	.2	6.0	4000	400	--	11000	.54	18
AUG.											
17...	3.0	26	59	.2	.3	120000	321	268	7770	.44	8.1
SEP.											
21...	3.2	37	88	.3	.3	460000	355	348	5670	.48	7.2

03378500 Wabash River at New Harmony, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	SUS-PENDED CAD-MIUM (CD) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	SUS-PENDED CHRO-MIUM (CR) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)
NOV.												
04...	1200	9.6	1	1	2	0	0	0	0	0	0	1
FEB.												
24...	1100	11	1	5	6	0	2	2	<10	0	<10	0
MAY												
04...	1230	9.2	1	0	1	0	0	0	<10	0	<10	0
AUG.												
17...	1430	13	1	2	3	1	0	1	<10	0	<10	0

DATE	SUS-PENDED COBALT (CO) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS-PENDED MAN-GANESE (MN) (UG/L)
NOV.											
04...	0	1	20	0	20	1400	20	1	19	20	140
FEB.											
24...	3	3	10	0	10	5400	10	2	9	11	190
MAY											
04...	1	1	0	10	10	690	20	1	8	9	130
AUG.											
17...	1	1	10	0	10	1600	10	5	21	26	210

DATE	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	SUS-PENDED SELE-NIUM (SE) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	TOTAL MERCURY (HG) (UG/L)
NOV.											
04...	150	10	10	10	20	1	0	1	<.5	.0	<.5
FEB.											
24...	210	20	10	20	30	0	0	0	<.5	.0	<.5
MAY											
04...	140	10	10	10	20	0	0	0	<.5	.0	<.5
AUG.											
17...	210	0	10	10	20	1	0	1	<.5	.0	<.5

03378500 Wabash River at New Harmony, Ind.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	580	535	610	420	390	395	450	535	505	490	480	550
2	560	540	560	390	390	410	470	530	485	495	475	550
3	565	550	420	380	390	410	470	535	495	430	450	555
4	560	530	410	385	410	420	510	525	480	420	465	615
5	520	605	440	395	415	425	510	530	495	420	460	630
6	525	600	465	410	420	390	515	525	495	450	475	610
7	540	600	495	420	430	395	520	515	520	475	485	595
8	550	605	495	440	430	380	530	530	520	495	495	565
9	550	610	515	440	430	370	530	525	515	515	495	550
10	550	650	495	445	435	380	540	525	530	520	530	540
11	540	600	510	465	440	405	540	530	520	530	510	520
12	580	560	570	465	465	405	540	535	520	530	520	520
13	580	510	520	475	435	415	520	545	520	535	490	525
14	545	515	530	480	410	440	555	530	530	520	465	520
15	540	510	540	515	400	450	540	540	525	480	470	540
16	545	510	525	490	385	450	540	560	520	495	475	560
17	550	510	525	450	400	465	540	565	520	440	475	565
18	550	530	440	450	400	460	525	520	550	485	420	580
19	570	540	410	440	375	475	530	540	545	385	440	580
20	570	540	415	550	400	475	530	545	560	460	520	585
21	605	550	495	510	365	475	525	545	550	430	490	585
22	555	560	430	520	345	475	520	555	510	450	475	560
23	540	600	450	475	345	465	530	555	520	450	475	555
24	530	600	470	515	345	445	520	530	530	470	475	560
25	530	605	495	525	350	430	540	530	535	440	515	560
26	535	605	495	520	370	435	540	525	610	420	520	560
27	535	615	495	520	370	450	540	530	605	450	520	560
28	535	615	480	450	380	470	540	540	605	450	520	560
29	535	615	480	395	390	475	550	540	570	450	520	570
30	535	610	445	385	---	470	570	540	530	475	525	585
31	535	---	440	390	---	475	---	535	---	475	530	---
MONTH	550	571	486	455	397	435	526	536	531	469	489	564

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.0	14.0	6.0	4.0	3.0	11.0	13.0	17.0	21.0	25.0	27.0	26.0
2	17.0	15.0	7.0	5.0	2.0	13.0	14.0	17.0	21.0	25.0	27.0	24.0
3	17.0	15.0	6.0	4.0	0.0	13.0	14.0	17.0	20.0	25.0	26.0	23.0
4	16.0	15.0	7.0	2.0	2.0	14.0	14.0	15.0	21.0	24.0	25.0	25.0
5	17.0	15.0	8.0	3.0	2.0	13.0	14.0	16.0	22.0	24.0	26.0	24.0
6	17.0	17.0	8.0	1.0	2.0	13.0	14.0	17.0	23.0	24.0	26.0	23.0
7	18.0	17.0	7.0	3.0	1.0	12.0	15.0	16.0	23.0	25.0	25.0	24.0
8	18.0	17.0	6.0	1.0	2.0	11.0	14.0	16.0	22.0	25.0	24.0	24.0
9	18.0	18.0	6.0	0.0	2.0	10.0	14.0	17.0	21.0	26.0	25.0	24.0
10	19.0	12.0	5.0	0.0	6.0	10.0	14.0	17.0	21.0	27.0	26.0	23.0
11	19.0	13.0	5.0	0.0	6.0	11.0	14.0	20.0	21.0	28.0	26.0	22.0
12	20.0	15.0	8.0	0.0	7.0	12.0	13.0	18.0	21.0	28.0	27.0	22.0
13	20.0	12.0	8.0	2.0	6.0	10.0	15.0	19.0	21.0	28.0	28.0	22.0
14	21.0	11.0	9.0	1.0	5.0	10.0	15.0	20.0	21.0	29.0	27.0	24.0
15	20.0	10.0	10.0	2.0	6.0	9.0	17.0	20.0	21.0	28.0	27.0	24.0
16	18.0	10.0	9.0	3.0	7.0	9.0	18.0	20.0	21.0	28.0	26.0	23.0
17	16.0	10.0	6.0	2.0	8.0	9.0	18.0	19.0	20.0	28.0	26.0	23.0
18	18.0	10.0	5.0	2.0	9.0	8.0	20.0	17.0	20.0	28.0	27.0	23.0
19	16.0	10.0	4.0	2.0	9.0	10.0	21.0	18.0	20.0	27.0	26.0	23.0
20	14.0	12.0	4.0	1.0	9.0	12.0	20.0	20.0	20.0	28.0	27.0	23.0
21	14.0	10.0	3.0	1.0	9.0	10.0	20.0	20.0	23.0	26.0	27.0	23.0
22	15.0	8.0	3.0	2.0	9.0	10.0	20.0	21.0	24.0	28.0	28.0	22.0
23	15.0	12.0	3.0	2.0	8.0	12.0	20.0	22.0	25.0	28.0	28.0	20.0
24	17.0	12.0	2.0	3.0	9.0	12.0	21.0	23.0	24.0	27.0	27.0	20.0
25	16.0	10.0	2.0	4.0	9.0	13.0	18.0	21.0	24.0	29.0	27.0	21.0
26	15.0	6.0	2.0	4.0	9.0	13.0	17.0	22.0	25.0	28.0	27.0	20.0
27	15.0	5.0	2.0	3.0	9.0	13.0	16.0	22.0	26.0	28.0	27.0	20.0
28	15.0	5.0	3.0	2.0	10.0	13.0	16.0	22.0	27.0	28.0	27.0	20.0
29	16.0	6.0	3.0	2.0	12.0	14.0	15.0	22.0	27.0	27.0	28.0	20.0
30	15.0	6.0	4.0	3.0	---	15.0	17.0	22.0	25.0	27.0	26.0	20.0
31	14.0	---	4.0	3.0	---	14.0	---	22.0	---	27.0	26.0	---
MONTH	17.0	11.5	5.5	2.0	6.0	11.5	16.5	19.0	22.5	27.0	26.5	22.5

03378500 Wabash River at New Harmony, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
OCT.							
06...	1100	17.0	6730	75	1360	--	--
NOV.							
04...	1200	14.5	8320	122	2740	--	--
DEC.							
09...	1115	6.0	26100	197	13900	23	33
JAN.							
13...	1100	1.5	25700	71	4930	--	--
FEB.							
24...	1100	7.0	92000	292	72500	--	--
MAR.							
30...	1045	14.0	38600	166	17300	--	--
MAY							
04...	1230	14.0	11700	113	3570	--	--
JUNE							
08...	1200	24.0	15300	151	6240	--	--
JULY							
13...	1100	28.0	10200	77	2120	--	--
AUG.							
17...	1430	26.5	8970	69	1670	--	--
SEP.							
21...	1100	22.5	5920	49	783	--	--

DATE	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM
OCT.						
06...	--	--	--	--	--	--
NOV.						
04...	--	--	--	--	--	--
DEC.						
09...	46	75	98	98	98	100
JAN.						
13...	--	--	--	--	--	--
FEB.						
24...	--	--	--	--	--	--
MAR.						
30...	--	--	--	--	--	--
MAY						
04...	--	--	--	--	--	--
JUNE						
08...	--	--	--	--	--	--
JULY						
13...	--	--	--	--	--	--
AUG.						
17...	--	--	--	--	--	--
SEP.						
21...	--	--	--	--	--	--

03378550 Big Creek near Wadesville, Ind.

LOCATION.--Lat 38°04'58", long 87°46'10", in SW¼SW¼ sec.16, T.5 S., R.12 W., Posey County, on left bank at downstream side of bridge on U.S. Highway 460 (S.R. 66), 0.6 mile (1.0 km) northwest of Blairsville, and 1.6 miles (2.6 km) southeast of Wadesville.

DRAINAGE AREA.--104 mi^2 (269 km^2).

PERIOD OF RECORD.--July 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 370.00 ft (112.776 m) above mean sea level.

AVERAGE DISCHARGE.--11 years, 112 ft^3/s (3.172 m^3/s), 14.59 in/yr (371 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,270 ft^3/s (64.3 m^3/s) Feb. 18, gage height, 17.37 ft (5,294 m); no flow many days in Oct., July, Aug. and Sept.
Period of record: Maximum discharge, 7,610 ft^3/s (216 m^3/s) Apr. 24, 1975, gage height, 19.72 ft (6,011 m); no flow at times most years.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	.90	251	829	50	39	28	4.8	439	13	20	81
2	0	.80	43	190	45	36	22	4.9	546	9.9	3.9	108
3	0	.70	29	151	40	34	20	4.2	230	12	1.1	8.0
4	0	.65	19	91	36	31	18	3.1	237	14	.31	2.9
5	0	.64	17	61	33	50	15	2.7	95	9.2	.13	1.1
6	0	.80	41	51	32	39	15	2.9	59	7.7	.15	.41
7	1.0	41	76	43	30	32	14	3.9	43	5.8	.07	.23
8	.20	40	37	35	36	31	12	3.1	33	4.4	.06	.20
9	20	8.7	30	30	27	30	9.7	2.3	25	2.7	.04	46
10	10	116	26	33	30	26	9.7	2.1	21	2.1	.03	42
11	5.0	53	20	37	33	23	11	1.9	18	1.6	.02	7.0
12	3.7	13	18	39	31	28	9.4	1.7	14	1.2	.02	2.2
13	3.0	7.5	15	74	33	27	8.2	1.3	11	.63	.01	.88
14	2.6	4.8	14	160	29	20	8.3	20	9.0	.41	.01	.39
15	2.3	3.7	378	63	30	20	8.0	82	7.8	.27	.01	.19
16	3.0	3.6	329	52	31	21	7.5	172	8.5	.20	.01	.10
17	7.6	3.2	78	47	147	17	6.0	98	7.2	.12	.01	.07
18	14	3.2	45	45	2010	17	4.9	189	5.4	.07	0	.05
19	21	3.4	36	45	444	17	6.3	53	5.3	.05	0	.04
20	7.2	4.0	28	34	122	29	6.7	32	3.9	.04	0	.03
21	1.8	6.9	23	36	670	210	9.9	23	2.9	.02	0	.02
22	1.6	6.1	19	28	344	47	7.8	18	2.6	.02	0	.02
23	1.4	5.6	18	32	108	32	5.4	14	6.0	.01	0	.01
24	2.2	5.4	15	36	84	29	5.3	11	125	.01	0	.01
25	6.2	5.6	16	361	71	26	14	8.5	298	0	0	.01
26	3.8	5.9	236	761	60	24	12	7.0	123	0	0	0
27	2.3	8.1	98	140	51	64	7.5	5.6	30	0	0	.02
28	1.5	9.5	56	82	48	41	5.1	9.7	30	0	0	.02
29	1.2	30	81	69	44	35	4.6	13	56	317	0	.02
30	1.1	390	1120	62	---	65	4.6	10	28	35	0	.02
31	1.0	---	1050	56	---	37	---	940	---	63	0	---
TOTAL	124.70	782.69	4262	3773	4749	1177	315.9	1744.7	2519.6	500.45	25.88	300.94
MEAN	4.02	26.1	137	122	164	38.0	10.5	56.3	84.0	16.1	.83	10.0
MAX	21	390	1120	829	2010	210	28	940	546	317	20	108
MIN	0	.64	14	28	27	17	4.6	1.3	2.6	0	0	0
CFSM	.04	.25	1.32	1.17	1.58	.37	.10	.54	.81	.15	.007	.10
IN.	.04	.28	1.52	1.35	1.70	.42	.11	.62	.90	.18	.009	.11

CAL YR 1975 TOTAL 65990.32 MEAN 181 MAX 5770 MIN 0 CFSM 1.74 IN 23.60
WTR YR 1976 TOTAL 20275.86 MEAN 55.4 MAX 2010 MIN 0 CFSM .53 IN 7.25

PEAK DISCHARGE (BASE, 2,400 FT^3/S).--No peaks above the base.

03381500 Little Wabash River at Carmi, Ill.

LOCATION.--Lat 38°03'40", long 88°09'35", near center of E½ sec.25, T.5 S., R.9 E., White County, on right bank at upstream side of Possum Bridge, 2.3 mi (3.7 km) south of Main Street Bridge in Carmi and 7.8 mi (12.6 km) downstream from Skillet Fork.

DRAINAGE AREA.--3,102 mi^2 (8,034 km^2).

PERIOD OF RECORD.--October 1908 to December 1912 (gage heights only), October 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 339.91 ft (103.605 m) above mean sea level. Prior to December 1912, nonrecording gage at site 3.1 mi (5.0 km) upstream at datum 0.4 ft (0.1 m) higher. Oct. 1 to Nov. 9, 1939, nonrecording gage at present site and datum. Since Nov. 14, 1939, auxiliary water-state recorder 3.1 mi (5.0 km) upstream.

AVERAGE DISCHARGE.--37 years, 2,499 ft^3/s (70.77 m^3/s), 10.94 in/yr (278 mm/yr).

EXTREMES.--Current year: Maximum discharge, 7,450 ft^3/s (211 m^3/s) Jan. 2, gage height, 20.32 ft (6.194 m); minimum, 12 ft^3/s (0.34 m^3/s) Sept. 25.
Period of record: Maximum discharge, 46,900 ft^3/s (1,330 m^3/s) May 12, 1961; maximum gage height, 36.70 ft (11.186 m) May 13, 1961; no flow Sept. 16-17, 1952, result of temporary dam upstream; minimum unregulated discharge, 0.6 ft^3/s (0.017 m^3/s) Sept. 9, 1953, July 31, 1954.

REMARKS.--Records good. There was no diversion through McHenry Slough during the year.

REVISIONS.--WDR IL-75: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	67	3040	7240	1770	1050	3040	250	6730	825	2290	55
2	92	67	2570	7420	1210	717	3330	221	7360	469	2850	83
3	90	70	2040	7260	795	528	2800	218	7160	268	2110	59
4	88	79	1880	6750	710	427	2070	208	6680	206	1030	52
5	84	81	1680	5950	635	739	1410	189	5910	188	512	45
6	70	91	1600	4930	480	2030	1010	185	4550	141	345	42
7	64	269	1660	4440	344	3190	781	197	2610	107	293	42
8	63	417	1150	4010	313	3810	631	167	1220	85	230	42
9	60	304	746	3820	309	3660	529	153	642	77	178	187
10	65	345	585	3370	668	3370	462	145	414	76	159	1200
11	235	388	504	2730	1180	3360	419	140	309	74	196	954
12	223	290	455	2030	1130	3570	377	130	228	67	316	368
13	124	220	412	1330	984	3880	345	121	178	56	285	249
14	74	172	360	1140	1090	4250	324	146	139	45	534	527
15	105	158	1640	1430	1310	4530	308	143	110	36	1600	506
16	155	181	3970	1670	1310	4570	290	148	171	32	1690	336
17	165	222	4400	1580	1510	4170	255	189	336	30	1100	195
18	184	204	3730	1340	4250	3140	230	201	289	28	801	115
19	144	186	3060	1240	4710	1650	261	190	179	28	596	72
20	105	183	2740	1090	3690	1010	240	171	108	43	468	48
21	79	183	2350	808	3580	1320	335	161	67	77	355	33
22	111	168	1700	570	4880	2010	395	153	51	84	282	24
23	122	145	1060	431	5110	2720	389	137	52	71	204	18
24	153	132	684	379	4980	3080	383	125	252	58	143	14
25	99	124	531	794	4460	2850	519	116	282	73	101	12
26	64	118	845	2770	3890	2690	575	112	323	108	75	13
27	67	134	1200	2840	3580	2280	471	166	235	370	59	22
28	72	127	1180	2210	2970	1830	397	334	155	458	50	23
29	77	162	1410	2250	1900	1660	346	472	114	714	39	49
30	72	1200	4380	2330	---	2670	298	476	145	1110	30	87
31	67	---	6280	2200	---	2930	---	4250	---	1430	28	---
TOTAL	3273	6487	59842	88352	63748	79691	23220	10014	46999	7434	18949	5472
MEAN	106	216	1930	2850	2198	2571	774	323	1567	240	611	182
MAX	235	1200	6280	7420	5110	4570	3330	4250	7360	1430	2850	1200
MIN	60	67	360	379	309	427	230	112	51	28	28	12
CFSM	.03	.07	.62	.92	.71	.83	.25	.10	.51	.08	.20	.06
IN.	.04	.08	.72	1.06	.76	.96	.28	.12	.56	.09	.23	.07

CAL YR 1975 TOTAL 1376411 MEAN 3771 MAX 15300 MIN 60 CFSM 1.22 IN 16.51
WTR YR 1976 TOTAL 413481 MEAN 1130 MAX 7420 MIN 12 CFSM .36 IN 4.96

04093000 Deep River at Lake George Outlet at Hobart, Ind.

LOCATION.--Lat 41°32'10", long 87°15'25", in NW¼NW¼ sec.32, T.36 N., R.7 W., Lake County, on left bank at upstream side of bridge on Center Street in Hobart, 300 ft (91 m) upstream from Duck Creek, and 400 ft (122 m) downstream from Lake George Dam.

DRAINAGE AREA.--124 mi^2 (321 km^2).

PERIOD OF RECORD.--April 1947 to current year.

GAGE.--Water-stage recorder. Datum of gage is 588.17 ft (179.274 m) above mean 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 (122 m) upstream at datum 11.80 ft (3.597 m) higher.

AVERAGE DISCHARGE.--29 years, 103 ft^3/s (2.917 m^3/s), 11.28 in/yr (287 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,020 ft^3/s (57.2 m^3/s) Mar. 5, gage height, 12.83 ft (3.911 m); minimum daily, 4.4 ft^3/s (0.12 m^3/s) Oct. 9.
Period of record: Maximum discharge, 3,880 ft^3/s (110 m^3/s) Oct. 11, 1954, gage height, 19.48 ft (5.938 m) present datum, site then in use; minimum daily, 4.2 ft^3/s (0.12 m^3/s) Sept. 14, 1948.

REMARKS.--Records good except those for January and February, which are poor. Flow occasionally regulated by Lake George Dam.

REVISIONS (WATER YEARS).--WSP 1337: 1953. WSP 1507: 1956. WRD Ind. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	20	202	57	25	345	138	231	67	66	73	14
2	15	19	133	57	24	623	123	201	59	42	47	12
3	15	20	91	52	28	859	111	107	55	31	36	13
4	14	19	72	47	26	1010	100	117	51	27	30	9.6
5	15	19	70	43	26	1730	97	118	48	23	28	11
6	13	20	115	41	26	1610	85	382	43	21	52	12
7	24	27	187	38	26	1020	75	1290	40	21	141	12
8	19	30	148	35	26	736	69	1070	37	53	146	12
9	4.4	29	124	34	27	579	65	762	36	74	98	18
10	9.2	32	101	33	45	476	62	515	35	46	70	21
11	12	20	82	31	165	397	53	371	28	30	56	22
12	14	24	75	31	213	359	55	284	29	21	45	17
13	17	24	88	32	224	339	52	214	28	19	39	14
14	19	24	133	33	214	295	51	174	26	20	39	13
15	24	22	308	30	182	193	50	153	27	25	36	10
16	20	19	449	30	176	140	49	149	22	60	31	11
17	20	19	363	29	203	155	46	133	23	49	27	11
18	21	19	219	29	257	144	44	112	26	34	24	11
19	31	21	142	28	210	132	42	96	29	25	22	12
20	32	26	124	28	180	127	47	83	31	23	21	15
21	31	29	101	27	679	146	60	69	30	39	20	15
22	29	31	84	27	1160	140	64	63	26	65	20	15
23	26	26	75	27	907	122	59	58	26	66	19	12
24	27	23	67	27	645	111	83	54	33	58	18	12
25	38	26	62	28	488	95	521	52	39	43	19	12
26	43	24	56	28	388	96	1080	49	38	33	18	30
27	36	29	54	27	313	150	816	47	34	24	20	44
28	28	24	50	27	247	258	558	51	30	35	19	37
29	22	42	49	26	217	230	401	70	31	118	16	26
30	21	176	53	26	---	197	300	73	74	174	16	18
31	22	---	59	25	---	156	---	73	---	113	18	---
TOTAL	675.6	883	3936	1033	7347	12970	5356	7221	1101	1478	1264	491.6
MEAN	21.8	29.4	127	33.3	253	418	179	233	36.7	47.7	40.8	16.4
MAX	43	176	449	57	1160	1730	1080	1290	74	174	146	44
MIN	4.4	19	49	25	24	95	42	47	22	19	16	9.6
CFSM	.18	.24	1.02	.27	2.04	3.37	1.44	1.88	.30	.38	.33	.13
IN.	.20	.26	1.18	.31	2.20	3.89	1.61	2.17	.33	.44	.38	.15

CAL YR 1975 TOTAL 52527.6 MEAN 144 MAX 1700 MIN 4.4 CFSM 1.16 IN 15.76
WTR YR 1976 TOTAL 43756.2 MEAN 120 MAX 1730 MIN 4.4 CFSM .97 IN 13.13

PEAK DISCHARGE (BASE, 700 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-22	1000	10.38	1,200	04-26	0700	10.08	1,110
03-05	1900	12.83	2,020	05-07	1600	10.91	1,350

04093500 Burns ditch at Gary, Ind.

LOCATION.--Lat 41°34'30", long 87°17'20", in SE¼NW¼ sec.13, T.36 N., R.8 W., Lake County, on left bank at downstream side of bridge on Central Avenue, 0.4 mile (0.6 km) east of Gary, and 0.4 mile (0.6 km) downstream from confluence of Deep River and Little Calumet River.

DRAINAGE AREA.--160 mi^2 (414 km^2). During times of floods flow may leave the basin by flowing west through Little Calumet River into the western portion of Calumet River basin; or during times of floods on Hart ditch, flow may enter the basin from western portion of the Little Calumet River basin.

PERIOD OF RECORD.--October 1943 to current year (October 1950 to September 1955, and October 1973 to September 1976, high-water records only).

GAGE.--Water-stage recorder. Datum of gage is 577.04 ft (175.882 m) above mean sea level. Prior to July 28, 1955, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--25 years (1943-50, 1955-1973), 139 ft^3/s (3.936 m^3/s), 11.80 in/yr (300 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,070 ft^3/s (58.6 m^3/s) Mar. 6, gage height, 13.46 ft (4.103 m).
Period of record: Maximum discharge, 3,430 ft^3/s (97.1 m^3/s) Oct. 11, 1954; maximum gage height, 16.44 ft (5.011 m) Mar. 16, 1944, from graph based on gage readings; minimum daily discharge, 2.6 ft^3/s (0.074 m^3/s) Oct. 14, 1946.

REMARKS.--Records poor. Burns ditch is an artificial channel which reverses the direction of flow of part of Little Calumet River and flows into Lake Michigan at Wickliffe. During high stages on Lake Michigan, only periods free from backwater are shown.

REVISIONS (WATER YEARS).--WSP 1034: 1944. WSP 1337: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						533						
2						764						
3						1080						
4						1300						
5						1740						
6						2040		624				
7						1700		1300				
8						1100		1500				
9						780		1050				
10						620		700				
11						510		500				
12												
13												
14												
15												
16			560									
17			480									
18												
19												
20												
21					720							
22					1300							
23					1290							
24					950							
25					700		740					
26					520		1250					
27							1100					
28							860					
29							650					
30												
31												
TOTAL												
MEAN												
MAX												
MIN												
CFSM					---		---					
IN.					---		---					

04094000 Little Calumet River at Porter, Ind.

LOCATION.--Lat 41°37'18", long 87°05'13", in NE¼NE¼ sec.34, T.37 N., R.6 W., Porter County, on right bank at downstream end of county road bridge, 200 ft (61 m) upstream from bridge on U.S. Highway 20, 0.8 mile (1.3 km) northwest of Porter, and 4.5 miles (7.2 km) upstream from Salt Creek.

DRAINAGE AREA.--66.2 mi^2 (171.5 km^2)

PERIOD OF RECORD.--May 1945 to current year.

GAGE.--Water-stage recorder. Datum of gage is 603.48 ft (183.941 m) above mean sea level. Prior to June 26, 1952, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--31 years, 71.8 ft^3/s (2.033 m^3/s), 14.73 in/yr (374 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,250 ft^3/s (35.4 m^3/s) Mar. 5, gage height, 8.66 ft (2.640 m); minimum daily, 24 ft^3/s (0.68 m^3/s) Sept. 24.
Period of record: Maximum discharge, 3,110 ft^3/s (88.1 m^3/s) Oct. 10, 1954, gage height, 11.66 ft (3.554 m); minimum daily, 17 ft^3/s (0.48 m^3/s) Aug. 24, 1965.

REMARKS.--Records good except those for winter periods, which are fair.

REVISIONS (WATER YEARS).--WSP 1084: 1945. WSP 1337: 1946-47. WRD Ind. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	37	150	56	36	226	83	81	61	74	36	27
2	34	39	75	55	32	423	84	79	56	53	33	27
3	35	39	62	49	36	523	79	102	51	43	32	26
4	35	40	57	47	37	685	75	97	47	39	31	26
5	35	39	55	45	38	1040	73	82	44	37	36	26
6	34	37	85	43	39	746	69	242	42	35	53	26
7	33	49	91	41	40	383	66	964	42	35	59	25
8	33	50	70	40	44	256	63	518	39	36	42	25
9	34	42	64	40	47	178	60	283	39	34	38	34
10	35	44	63	41	66	127	58	165	37	34	36	39
11	35	44	59	41	232	99	58	102	38	32	34	31
12	35	39	57	42	259	103	56	84	36	31	37	28
13	36	38	62	42	320	166	56	76	34	30	37	27
14	37	41	87	43	323	145	55	75	36	31	45	26
15	39	39	232	43	204	107	55	76	35	34	41	26
16	39	38	289	44	232	93	54	84	37	42	35	27
17	39	37	124	43	301	84	51	74	36	35	33	28
18	39	36	75	43	254	81	50	68	45	32	32	27
19	46	35	68	43	221	81	53	63	50	31	31	27
20	47	39	61	43	142	80	55	60	42	30	30	30
21	43	57	57	43	287	89	68	57	36	42	30	30
22	41	52	52	43	738	79	67	54	35	39	29	29
23	40	45	50	42	399	75	58	52	38	77	29	26
24	40	41	48	42	236	73	71	51	48	57	29	24
25	60	40	48	41	157	70	230	50	61	41	28	25
26	54	40	47	40	108	69	668	49	44	36	30	51
27	45	42	47	39	91	108	284	47	38	34	30	54
28	42	42	47	39	84	232	204	48	40	37	32	38
29	40	53	45	40	79	135	119	64	47	44	29	33
30	38	139	53	40	---	98	89	70	114	42	28	28
31	37	---	60	39	---	87	---	72	---	40	27	---
TOTAL	1215	1353	2440	1332	5082	6741	3111	3989	1348	1237	1072	896
MEAN	39.2	45.1	78.7	43.0	175	217	104	129	44.9	39.9	34.6	29.9
MAX	60	139	289	56	738	1040	668	964	114	77	59	54
MIN	33	35	45	39	32	69	50	47	34	30	27	24
CFSM	.59	.68	1.19	.65	2.64	3.28	1.57	1.95	.68	.60	.52	.45
IN.	.68	.76	1.37	.75	2.86	3.79	1.75	2.24	.76	.70	.60	.50

CAL YR 1975 TOTAL 30078 MEAN 82.4 MAX 982 MIN 28 CFSM 1.24 IN 16.90
WTR YR 1976 TOTAL 29816 MEAN 81.5 MAX 1040 MIN 24 CFSM 1.23 IN 16.75

PEAK DISCHARGE (BASE, 700 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-22	0600	7.89	881	04-26	0700	7.83	786
03-05	1900	8.66	1,250	05-07	0900	8.40	1,120

04094500 Salt Creek near McCool, Ind.

LOCATION.--Lat 41°35'48", long 87°08'40", in SE¼SE¼ sec.6, T.36 N., R.6 W., Porter County, on left bank on downstream side of highway bridge, 50 ft (15 m) downstream from New York Central Railroad bridge, 1.2 miles (1.9 km) north of McCool, 1.5 miles (2.4 km) upstream from Little Calumet River, and at mile 1.6 (2.6 km).

DRAINAGE AREA.--74.6 mi^2 (193.2 km^2).

PERIOD OF RECORD.--May 1945 to current year.

GAGE.--Water-stage recorder. Datum of gage is 594.10 ft (181.082 m) above mean sea level (levels by State of Indiana, Department of Natural Resources). Prior to July 25, 1955, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--31 years, 72.4 ft^3/s (2.050 m^3/s), 13.18 in/yr (335 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,590 ft^3/s (45.0 m^3/s) Mar. 5, gage height, 9.69 ft (2.954 m); minimum daily, 26 ft^3/s (0.74 m^3/s) Sept. 5-8.
Period of record: Maximum discharge, 3,180 ft^3/s (90.1 m^3/s) Oct. 11, 1954, gage height, 14.12 ft (4.304 m); minimum daily, 14 ft^3/s (0.40 m^3/s) Sept. 8, 1964.

REMARKS.--Records good except those for January and part of February, which are poor.

REVISIONS (WATER YEARS).--WSP 1337: 1946-48(M), 1950(M). WSP 1911: 1958. WRD Ind. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	39	236	57	29	288	82	84	61	72	41	27
2	35	42	122	57	27	514	80	83	57	51	36	27
3	34	40	81	50	31	614	76	113	52	43	35	27
4	33	38	69	46	32	681	72	97	49	38	33	27
5	32	37	65	43	33	1270	69	82	45	35	33	26
6	32	35	143	40	34	760	68	317	43	33	60	26
7	33	65	156	38	35	377	65	862	41	33	89	26
8	34	63	96	37	36	220	62	507	41	34	52	26
9	34	48	81	35	39	151	60	270	39	32	41	38
10	35	47	78	35	76	123	59	138	38	31	37	48
11	35	49	70	34	300	105	58	101	37	29	35	32
12	36	42	69	34	304	113	55	86	37	29	38	29
13	36	40	84	33	296	139	56	78	35	29	40	27
14	38	45	140	33	238	110	55	80	39	28	41	27
15	40	41	302	33	163	95	54	81	36	42	44	27
16	39	38	347	33	202	87	54	85	37	70	37	27
17	39	37	187	32	313	79	51	74	36	39	33	28
18	39	36	91	32	319	77	49	68	46	32	32	28
19	58	34	73	32	262	75	53	64	55	30	31	29
20	58	42	65	33	153	77	57	60	42	30	30	36
21	44	68	56	33	328	98	75	57	37	57	29	33
22	40	61	54	33	802	82	74	54	38	46	28	30
23	39	50	50	33	549	75	62	53	48	107	28	28
24	43	43	48	33	267	73	88	51	68	70	29	27
25	80	42	47	33	173	69	313	51	78	49	28	27
26	70	42	46	32	136	67	716	50	55	40	29	64
27	50	43	45	31	115	153	439	49	42	37	30	66
28	43	44	44	30	102	188	194	50	43	41	31	44
29	40	82	45	31	96	124	119	71	48	91	28	37
30	40	243	57	31	---	101	94	73	135	62	27	34
31	38	---	64	30	---	88	---	69	---	47	27	---
TOTAL	1281	1576	3111	1117	5490	7073	3409	3958	1458	1407	1132	978
MEAN	41.3	52.5	100	36.0	189	228	114	128	48.6	45.4	36.5	32.6
MAX	80	243	347	57	802	1270	716	862	135	107	89	66
MIN	32	34	44	30	27	67	49	49	35	28	27	26
CFSM	.55	.70	1.34	.48	2.53	3.06	1.53	1.72	.65	.61	.49	.44
IN.	.64	.79	1.55	.56	2.74	3.53	1.70	1.97	.73	.70	.56	.49

CAL YR 1975 TOTAL 32940 MEAN 90.2 MAX 1030 MIN 29 CFSM 1.21 IN 16.43
WTR YR 1976 TOTAL 31990 MEAN 87.4 MAX 1270 MIN 26 CFSM 1.17 IN 15.95

PEAK DISCHARGE (BASE, 600 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-22	0700	7.67	882	04-26	0600	7.27	791
03-05	1700	9.69	1,590	05-07	0800	8.12	1,030

04095300 Trail Creek at Michigan City, Ind.

LOCATION.--Lat 41°43'00", long 86°51'35", in SW¼NE¼ sec.27, T.38 N., R.4 W., LaPorte County, on left downstream wingwall of bridge on Springland Avenue in Michigan City, 1.0 mile (1.6 km) upstream from Otter Creek, and 4.2 miles (6.8 km) upstream from mouth.

DRAINAGE AREA.--54.1 mi^2 (140.1 km^2).

PERIOD OF RECORD.--June 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 584.02 ft (178.009 m) above mean sea level.

AVERAGE DISCHARGE.--7 years, 70.0 ft^3/s (1.982 m^3/s), 17.57 in/yr (446 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,200 ft^3/s (34.0 m^3/s) Apr. 25, gage height, 10.57 ft (3.222 m); minimum daily, 25 ft^3/s (0.71 m^3/s) Sept. 7, 8.
Period of record: Maximum discharge, 1,200 ft^3/s (34.0 m^3/s) Apr. 25, 1976, gage height, 10.57 ft (3.222 m); maximum gage height, 10.66 ft (3.249 m) Apr. 22, 1973; minimum daily discharge, 21 ft^3/s (0.59 m^3/s) July 20, 1971.

REMARKS.--Records good except those for winter periods, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	37	103	56	42	282	91	82	58	79	42	27
2	41	36	65	54	52	244	91	90	56	60	38	28
3	42	36	58	50	47	379	78	118	52	53	36	27
4	40	35	55	47	46	462	82	95	50	49	35	27
5	37	34	53	54	46	815	84	78	47	48	36	26
6	36	33	105	60	46	338	75	408	46	45	57	26
7	35	42	95	55	47	188	67	661	45	47	48	25
8	35	48	71	52	48	142	63	226	44	55	37	25
9	34	42	65	50	50	116	63	146	43	46	36	45
10	34	42	65	48	104	103	61	110	41	42	34	39
11	33	43	61	46	242	93	61	89	41	40	33	30
12	33	39	59	44	196	119	58	80	40	39	38	29
13	33	39	64	44	212	144	57	76	41	38	36	28
14	32	39	93	46	143	118	57	79	52	37	48	28
15	32	39	212	47	120	101	56	82	42	42	40	31
16	32	38	157	46	138	91	55	86	48	50	35	29
17	32	37	95	45	156	81	52	74	42	41	34	30
18	32	37	65	43	142	78	51	70	50	38	32	29
19	34	36	60	42	127	76	54	65	56	37	31	29
20	39	39	55	41	98	81	61	63	43	37	30	30
21	37	61	51	40	463	88	74	60	41	81	29	30
22	37	56	48	40	446	75	54	58	44	55	29	29
23	36	49	46	39	190	71	56	57	58	60	29	27
24	36	44	44	39	136	70	77	57	79	48	29	27
25	60	42	44	39	108	68	670	56	76	41	29	27
26	46	40	42	40	93	67	657	54	50	38	30	69
27	40	42	42	42	84	218	235	53	44	37	30	55
28	40	43	43	41	78	185	154	55	48	54	31	37
29	39	62	44	40	76	111	115	70	83	82	29	34
30	38	138	51	38	---	101	93	63	172	48	28	33
31	37	---	60	39	---	83	---	62	---	45	27	---
TOTAL	1150	1348	2171	1407	3776	5188	3512	3423	1632	1512	1076	956
MEAN	37.1	44.9	70.0	45.4	130	167	117	110	54.4	48.8	34.7	31.9
MAX	60	138	212	60	463	815	670	661	172	82	57	69
MIN	32	33	42	38	42	67	51	53	40	37	27	25
CFSM	.69	.83	1.29	.84	2.40	3.09	2.16	2.03	1.01	.90	.64	.59
IN.	.79	.93	1.49	.97	2.60	3.57	2.41	2.35	1.12	1.04	.74	.66

CAL YR 1975 TOTAL 27177 MEAN 74.5 MAX 606 MIN 32 CFSM 1.38 IN 18.69
WTR YR 1976 TOTAL 27151 MEAN 74.2 MAX 815 MIN 25 CFSM 1.37 IN 18.67

PEAK DISCHARGE (BASE, 200 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-15	1300	4.58	241	03-01	1300	5.32	361	04-25	2200	10.57	1,200
02-11	0200	4.81	261	03-03	1200	6.28	488	05-07	0300	9.16	924
02-13	0500	4.47	226	03-05	1400	9.31	950	06-30	0300	4.47	233
02-21	2100	8.21	768	03-27	1900	5.14	336				

STREAMS TRIBUTARY TO LAKE MICHIGAN

04096100 Galena River near LaPorte, Ind.

LOCATION.--Lat 41°44'54", long 86°40'30", in SE¼NW¼ sec.17, T.38 N., R.2 W., LaPorte County, on left bank at downstream side of bridge on County Road 125 East, 1.3 miles (2.1 km) upstream from Indiana-Michigan State line, and 9.8 miles (15.8 km) north of Courthouse in LaPorte.

DRAINAGE AREA.--17.2 mi^2 (44.5 km^2).

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 625.00 ft (190.500 m) above mean sea level.

AVERAGE DISCHARGE.--7 years, 24.8 ft^3/s (0.702 m^3/s), 19.61 in/yr (498 mm/yr).

EXTREMES.--Current year: Maximum discharge, 198 ft^3/s (5.61 m^3/s) Mar. 5, gage height, 6.08 ft (1.853 m); minimum daily, 7.7 ft^3/s (0.218 m^3/s) Sept. 8.
Period of record: Maximum discharge, about 200 ft^3/s (5.66 m^3/s) Feb. 5, 1971 (gage height, unknown); minimum daily, 6.7 ft^3/s (0.19 m^3/s) Sept. 13, 1973.

REMARKS.--Records good except those for parts of January and February, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	16	42	23	14	75	30	29	19	26	20	9.0
2	16	19	29	20	18	69	31	30	18	20	16	8.9
3	16	18	27	17	21	87	27	37	16	18	13	8.6
4	15	18	24	16	19	115	29	33	16	16	12	8.2
5	15	17	24	16	18	174	28	28	15	14	13	8.1
6	15	14	44	21	17	94	25	74	14	14	15	8.1
7	15	22	37	19	16	54	23	128	14	14	16	8.1
8	16	19	29	17	15	42	23	50	13	18	13	7.7
9	16	18	28	16	15	38	22	34	13	15	12	13
10	16	19	27	15	23	35	21	29	13	14	12	17
11	16	18	24	15	45	32	22	27	12	12	11	14
12	16	16	23	14	56	36	21	24	13	10	12	9.6
13	16	18	27	14	68	42	21	23	13	9.9	12	9.3
14	16	26	38	14	45	37	21	23	15	10	15	9.7
15	16	24	83	17	44	33	21	26	15	10	14	10
16	16	19	52	15	52	30	20	28	17	12	12	8.9
17	16	21	35	14	54	27	20	24	15	14	11	8.7
18	16	21	30	13	46	27	19	21	14	13	10	8.4
19	18	20	27	13	40	27	20	21	18	10	10	8.8
20	16	22	25	12	32	27	21	20	16	9.7	9.7	9.4
21	15	30	23	12	119	31	23	19	14	16	9.9	9.7
22	15	26	21	12	113	27	23	18	16	16	9.8	10
23	14	21	20	12	55	26	21	21	17	18	9.9	11
24	14	19	19	12	43	25	24	19	22	16	9.9	8.7
25	27	18	18	13	36	23	106	18	26	12	9.9	9.0
26	21	17	18	13	31	23	109	17	19	11	10	19
27	21	20	18	15	28	44	48	17	16	10	11	21
28	22	20	18	16	25	45	37	17	16	13	12	16
29	19	31	18	14	23	32	33	24	20	20	10	17
30	18	62	25	13	---	31	30	21	54	20	9.8	26
31	18	---	26	12	---	27	---	20	---	24	9.2	---
TOTAL	521	649	899	465	1131	1435	919	920	519	455.6	370.1	340.9
MEAN	16.8	21.6	29.0	15.0	39.0	46.3	30.6	29.7	17.3	14.7	11.9	11.4
MAX	27	62	83	23	119	174	109	128	54	26	20	26
MIN	14	14	18	12	14	23	19	17	12	9.7	9.2	7.7
CFSM	.98	1.26	1.69	.87	2.27	2.69	1.78	1.73	1.01	.85	.69	.66
IN.	1.13	1.40	1.94	1.01	2.45	3.10	1.99	1.99	1.12	.99	.80	.74

CAL YR 1975 TOTAL 8928.4 MEAN 24.5 MAX 132 MIN 9.1 CFSM 1.42 IN 19.31
WTR YR 1976 TOTAL 8624.6 MEAN 23.6 MAX 174 MIN 7.7 CFSM 1.37 IN 18.65

PEAK DISCHARGE (BASE, 75 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-15	1200	3.90	96	03-05	0900	6.08	198
02-13	0500	3.52	77	04-25	2000	5.52	172
02-21	1800	5.82	186	05-06	2400	5.54	173

04097970 Lime Lake Outlet at Panama, Ind.

LOCATION.--Lat 41°42'46", long 85°07'10", in NW¼NW¼ sec.35, T.38 N., R.12 E., Steuben County, on right bank 10 ft (3 m) downstream from dam for Lime Lake, 30 ft (9 m) upstream from bridge on Orland Road, and 0.7 mile (1.1 km) northwest of Panama.

DRAINAGE AREA.--17.5 mi^2 (45.3 km^2), of which 3.68 mi^2 (9.53 km^2) does not contribute directly to surface runoff.

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 950.00 ft (289.560 m) above mean sea level.

AVERAGE DISCHARGE.--7 years, 7.19 ft^3/s (0.204 m^3/s), 5.58 in/yr (142 mm/yr).

EXTREMES.--Current year: Maximum discharge, 34 ft^3/s (0.96 m^3/s) Mar. 5, gage height, 4.59 ft (1.399 m); minimum daily discharge, 0.05 ft^3/s (0.001 m^3/s) Sept. 3-9.
Period of record: Maximum discharge 34 ft^3/s (0.96 m^3/s) Mar. 5, 1976, gage height, 4.59 ft (1,399 m); no flow at times during 1971 and 1972.

REMARKS.--Records fair. Occasional regulation by control structure for Lime Lake.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	1.3	8.6	10	7.8	27	24	17	2.4	14	3.2	.10
2	3.3	1.6	8.3	10	7.5	28	24	17	2.0	15	2.6	.06
3	3.0	2.0	8.1	10	7.3	30	23	16	1.7	14	2.3	.05
4	2.6	2.1	8.1	10	7.1	31	23	15	1.5	13	2.1	.05
5	2.6	2.3	8.1	10	7.1	33	23	15	1.3	13	1.9	.05
6	2.3	2.5	9.1	10	7.3	32	22	17	1.2	13	1.9	.05
7	2.1	3.2	9.4	10	7.1	30	22	19	1.1	12	1.8	.05
8	2.1	3.0	9.1	10	6.8	30	21	18	1.0	11	1.6	.05
9	2.3	3.4	9.7	10	8.6	29	21	17	.94	11	1.5	.05
10	2.2	3.6	9.7	10	12	29	21	13	.99	6.6	1.5	.24
11	2.0	3.3	9.4	10	8.4	28	21	11	.87	4.2	1.5	.24
12	2.0	3.0	9.4	10	5.8	29	21	10	1.2	3.5	1.5	.22
13	2.0	2.8	10	10	7.5	28	21	9.6	1.2	2.9	1.6	.17
14	2.0	2.4	11	10	9.0	28	21	7.9	1.1	2.5	1.6	.14
15	1.8	2.5	13	10	11	27	20	4.2	1.2	2.4	1.4	.11
16	1.6	2.4	13	10	14	27	20	4.7	1.3	2.2	1.2	.09
17	1.5	2.4	12	9.6	17	26	20	4.3	1.2	1.8	1.1	.07
18	1.4	2.4	11	9.1	17	26	20	3.5	1.3	1.6	1.1	.07
19	1.8	2.5	10	8.9	19	26	19	3.1	1.6	1.4	1.2	.10
20	1.9	3.0	10	8.6	18	27	18	3.0	1.4	1.5	2.9	.22
21	1.8	3.2	10	8.6	20	26	17	2.9	1.3	4.0	3.2	.14
22	1.8	2.9	10	8.6	22	25	15	2.6	1.5	4.0	.98	.10
23	1.8	2.8	10	8.1	21	25	15	2.2	1.6	4.3	.86	.06
24	1.9	2.8	10	7.8	21	25	15	1.8	3.5	4.1	.73	.06
25	1.9	3.0	10	8.1	21	25	18	1.7	5.6	3.7	.67	.06
26	1.8	3.0	10	8.6	21	25	19	1.6	5.8	3.3	.72	.06
27	1.8	3.7	10	8.3	21	26	18	1.6	6.3	2.9	.74	.42
28	1.6	3.7	10	8.1	20	26	17	1.6	6.4	3.0	.57	.38
29	1.5	6.4	10	7.9	21	26	17	1.6	6.5	4.7	.40	.35
30	1.4	9.4	10	7.8	---	26	18	1.7	10	4.1	.31	.30
31	1.5	---	10	7.7	---	24	---	2.0	---	3.8	.32	---
TOTAL	63.2	92.6	307.0	285.8	393.3	850	594	246.6	75.00	188.5	45.00	4.11
MEAN	2.04	3.09	9.90	9.22	13.6	27.4	19.8	7.95	2.50	6.08	1.45	.14
MAX	3.9	9.4	13	10	22	33	24	19	10	15	3.2	.42
MIN	1.4	1.3	8.1	7.7	5.8	24	15	1.6	.87	1.4	.31	.05
CFSM	.12	.18	.57	.53	.78	1.57	1.13	.45	.14	.35	.08	.008
IN.	.13	.20	.65	.61	.84	1.81	1.26	.52	.16	.40	.10	.009

CAL YR 1975 TOTAL 3135.21 MEAN 8.59 MAX 23 MIN .34 CFSM .49 IN 6.66
WTR YR 1976 TOTAL 3145.11 MEAN 8.59 MAX 33 MIN .05 CFSM .49 IN 6.69

04099000 St. Joseph River at Mottville, Mich.

LOCATION.--Lat 41°48'03", long 85°45'22", in SW¼ sec.6, T.8 S., R.12 W., Michigan meridian, St. Joseph County, on right bank 500 ft (152 m) upstream from bridge on U.S. Highway 12 at Mottville, 0.4 mile (0.6 km) downstream from Michigan Power Co. hydroelectric plant, 4 miles (6 km) upstream from Pigeon River, and at mile 96 (154 km).

DRAINAGE AREA.--1,866 mi^2 (4,833 km^2).

PERIOD OF RECORD.--October 1923 to current year. Monthly discharge only for some periods, published in WSP 1307.

GAGE.--Water-stage recorder. Datum of gage is 755.3 ft (230.215 m) above mean sea level (Michigan Power Co. benchmark). Prior to Oct. 1, 1951, at site 0.4 mile (0.6 km) upstream at datum 4.2 ft (1.28 m) higher.

AVERAGE DISCHARGE.--53 years, 1,538 ft^3/s (43.56 m^3/s), 11.19 in/yr (284 mm/yr).

EXTREMES.--Current year: Maximum discharge, 7,320 ft^3/s (207 m^3/s) Mar. 8, gage height, 8.28 ft (2.524 m); minimum, 125 ft^3/s (3.54 m^3/s) Sept. 6, gage height, 1.06 ft (0.323 m); minimum daily, 304 ft^3/s (8.61 m^3/s) Sept. 6.
Period of record: Maximum discharge, 10,700 ft^3/s (303 m^3/s) Apr. 27, 1950, gage height, 6.56 ft (1.999 m), site and datum then in use; minimum daily, 39 ft^3/s (1.10 m^3/s) Oct. 19, 1963.

REMARKS.--Records good. Flow regulated by powerplants above station. Several observations of water temperature were made during the year. Corps of Engineers gage-height telemark at station.

REVISIONS (WATER YEARS).--WSP 1387: 1930, 1932, 1938, 1940-42, 1945. WSP 1911: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	916	803	1860	2160	1540	4330	3780	3540	2250	2050	1240	671
2	1250	978	2070	2020	1680	4360	3780	3290	2300	2110	1210	690
3	1390	1380	2130	1800	1580	4490	3620	3060	2200	1960	1170	705
4	1210	1160	2150	1910	1350	4980	3560	2830	2220	2010	1090	557
5	1010	1190	2190	1990	1410	5780	3440	2640	1890	2130	1100	528
6	1080	1370	2200	1650	1410	6550	3240	2880	1730	1690	1270	304
7	1100	1580	2350	1590	1460	6990	3160	3210	1630	1710	772	652
8	1140	1030	2440	1940	1370	7150	3070	3500	1680	1660	880	650
9	1070	1090	2510	1990	1750	6980	2720	4300	1690	1660	1290	644
10	1470	1580	2320	1940	1470	6730	2640	4580	1630	1180	1060	669
11	641	1490	2310	1480	1390	6400	2700	4440	1650	1250	1020	406
12	1370	1420	2310	1230	1300	6110	2640	4230	1420	1620	968	570
13	1020	1280	2130	1560	1900	5850	2560	3980	1050	973	1120	760
14	1160	1570	2260	1690	2030	5530	2480	3660	1580	1040	824	721
15	1200	1210	2530	1810	1890	5060	2370	3540	1380	1130	624	680
16	1160	999	2700	1760	2530	5020	2300	3590	1250	1170	840	762
17	1170	1440	3060	1720	3230	4840	2340	3660	1420	585	860	792
18	740	1180	3280	1310	3530	4530	2260	3480	1460	865	772	490
19	1180	1200	3090	1770	3840	4250	2190	3200	1530	1310	813	485
20	1350	1100	2900	1660	4180	4070	2200	2930	1120	896	1240	738
21	1140	1420	2850	1290	4520	4110	2260	3030	1580	1210	1000	715
22	1060	970	2630	1360	5020	3990	2100	2930	1570	1250	516	756
23	1070	993	2410	1730	5160	3930	1770	2900	1410	1770	600	767
24	1280	1510	2410	1720	5280	3680	1980	2620	1350	1240	637	744
25	898	1310	2410	1520	5190	3680	2570	2540	1710	1440	648	477
26	1210	1300	2350	1350	5010	3540	2700	1900	1610	1500	688	487
27	1440	861	2280	1340	4810	3670	3270	2100	1730	1380	848	956
28	1420	1490	2140	1590	4610	3750	3660	2160	1790	1390	586	847
29	1100	1080	1980	1350	4440	3860	3750	2170	1730	1280	575	877
30	1290	1430	1930	1470	---	4240	3740	2170	1830	1460	823	1140
31	1550	---	2120	1580	---	4110	---	2170	---	1250	632	---
TOTAL	36085	37414	74300	51280	84880	152560	84850	97230	49390	44169	27706	20240
MEAN	1164	1247	2397	1654	2927	4921	2828	3136	1646	1425	894	675
MAX	1550	1580	3280	2160	5280	7150	3780	4580	2300	2130	1290	1140
MIN	641	803	1860	1230	1300	3540	1770	1900	1050	585	516	304
CFSM	.62	.67	1.28	.89	1.57	2.64	1.52	1.68	.88	.76	.48	.36
IN.	.72	.75	1.48	1.02	1.69	3.04	1.69	1.94	.98	.88	.55	.40

CAL YR 1975 TOTAL 708915 MEAN 1942 MAX 3550 MIN 589 CFSM 1.04 IN 14.13
WTR YR 1976 TOTAL 760104 MEAN 2077 MAX 7150 MIN 304 CFSM 1.11 IN 15.15

04099510 Pigeon Creek near Angola, Ind.
(Formerly published as 04099500 Pigeon Creek and Hogback Lake near Angola)

LOCATION.--Lat 41°38'04", long 85°06'35", in NW¼SE¼ sec.26, T.37 N., R.12 E., Steuben County, on left bank 5 ft (2 m) upstream from bridge on U.S. Highway 20, 1.3 miles (2.1 km) downstream from outlet of Hogback Lake, 1.3 miles (2.1 km) southeast of Flint, and 5.8 miles (9.3 km) west of Angola.

DRAINAGE AREA.--106 mi^2 (275 km^2), of which 22.5 mi^2 (58.3 km^2) 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 near Hogback Lake Outlet near Angola, October 1947 to September 1971, and Pigeon Creek and Hogback Lake near Angola, October 1971 to September 1974.

GAGE.--Water-stage recorder. Datum of gage is 940.00 ft (286.512 m) above mean sea level. Prior to October 1947, nonrecording gage at site 0.3 mile (0.5 km) downstream at different datum. October 1947 to Aug. 3, 1953, nonrecording gage at site 1.2 miles (1.9 km) upstream at same datum. Aug. 4, 1953 to Apr. 3, 1974, recording gage at site 1.3 miles (2.1 km) upstream at same datum. Apr. 18, 1974 to Sept. 2, 1974, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--31 years, 74.8 ft^3/s (2.118 m^3/s), 9.58 in/yr (243 mm/yr).

EXTREMES.--Current year: Maximum discharge, 579 ft^3/s (16.4 m^3/s) Mar. 8, gage height, 12.18 ft (3.712 m); minimum daily, 23 ft^3/s (0.65 m^3/s) Sept. 8.
Period of record: Maximum discharge, 744 ft^3/s (21.1 m^3/s) Apr. 8, 1950, gage height, 14.95 ft (4.557 m); minimum daily, 3.4 ft^3/s (0.096 m^3/s) Oct. 25-27, 1964.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1144: 1948. WSP 2111: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	27	84	73	48	387	168	113	55	82	119	27
2	34	28	129	72	47	408	163	109	55	85	112	26
3	32	31	162	70	46	438	157	104	54	84	102	26
4	32	32	178	69	45	477	150	100	53	82	93	25
5	31	34	179	69	45	518	144	95	51	77	86	25
6	30	35	176	67	45	553	139	94	49	73	79	24
7	29	38	169	63	45	573	135	97	48	69	74	24
8	29	38	162	62	44	577	131	99	46	65	69	23
9	29	40	155	62	43	560	126	100	45	61	65	24
10	28	41	145	58	43	530	122	103	43	57	62	26
11	28	42	135	60	45	497	118	102	42	54	58	26
12	28	43	126	57	51	465	114	100	41	51	55	27
13	28	44	118	55	69	425	111	96	39	49	51	27
14	26	44	112	55	114	391	108	92	38	46	49	26
15	26	44	115	54	171	355	104	90	38	44	47	26
16	26	43	128	51	230	321	101	88	40	43	45	26
17	25	43	146	50	321	291	98	86	42	41	43	26
18	25	42	160	50	397	266	95	83	44	40	41	26
19	25	42	163	49	437	245	92	80	48	38	40	26
20	26	42	160	48	451	229	89	77	48	37	38	27
21	26	42	150	47	469	209	87	74	49	48	37	27
22	26	42	140	46	489	196	85	72	50	59	35	27
23	27	42	124	46	500	185	84	69	49	90	34	26
24	28	42	115	45	497	175	84	65	51	113	33	25
25	28	42	102	46	485	171	89	63	55	124	32	25
26	28	42	96	46	465	171	95	61	63	124	31	26
27	28	43	90	46	440	175	103	59	70	118	31	27
28	28	42	86	47	410	178	111	57	75	111	30	27
29	28	46	82	47	380	178	115	55	76	112	29	27
30	28	57	77	48	---	177	115	54	79	117	28	27
31	28	---	75	48	---	172	---	54	---	122	28	---
TOTAL	874	1213	4039	1706	6872	10493	3433	2591	1536	2316	1676	777
MEAN	28.2	40.4	130	55.0	237	338	114	83.6	51.2	74.7	54.1	25.9
MAX	34	57	179	73	500	577	168	113	79	124	119	27
MIN	25	27	75	45	43	171	84	54	38	37	28	23
CFSM	.27	.38	1.23	.52	2.24	3.19	1.08	.79	.48	.70	.51	.24
IN.	.31	.43	1.42	.60	2.41	3.68	1.20	.91	.54	.81	.59	.27

CAL YR 1975 TOTAL 40121 MEAN 110 MAX 326 MIN 25 CFSM 1.04 IN 14.08
WTR YR 1976 TOTAL 37526 MEAN 103 MAX 577 MIN 23 CFSM .97 IN 13.17

04099610 Pretty Lake Inlet near Stroh, Ind.

LOCATION.--41°34'49", long 85°14'59", in SW¼NW¼ sec.15, T.36 N., R.11 E., Lagrange County, on left bank 400 ft (122 m) upstream from mouth, 2.6 miles (4.2 km) west of Stroh.

DRAINAGE AREA.--1.96 mi^2 (5.08 km^2), of which 1.32 mi^2 (3.42 km^2) does not contribute directly to surface runoff.

PERIOD OF RECORD.--June 1963 to current year.

GAGE.--Water-stage recorder with steel V-notch weir, 0.5 ft^3/s (0.014 m^3/s) notch capacity. Datum of gage is 960.00 ft (292.608 m) above mean sea level.

AVERAGE DISCHARGE.--13 years, 0.49 ft^3/s (0.139 m^3/s), 3.40 in/yr (86 mm/yr).

EXTREMES.--Current year: Maximum discharge, 11.0 ft^3/s (0.31 m^3/s) Feb. 16, gage height, 7.27 ft (2.216 m); minimum daily, 0.05 ft^3/s (0.001 m^3/s) Oct. 30, 31, Nov. 6, July 19, 20.
Period of record: Maximum discharge, 33 ft^3/s (0.93 m^3/s) Feb. 5, 1971, gage height, 9.30 ft (2.835 m); maximum gage height, 9.46 ft (2.883 m) Feb. 4, 1971 (backwater from ice); no flow at times during 1963-65.

REMARKS.--Records poor.

REVISIONS.--WSP 1911: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.13	.06	.82	.32	.12	3.2	.78	.65	.65	1.2	.82	.20
2	.13	.14	.62	.32	.11	3.9	.69	.62	.62	.82	.65	.20
3	.12	.16	.52	.29	.11	3.6	.69	.59	.59	.62	.55	.20
4	.12	.07	.49	.26	.10	3.3	.65	.55	.52	.49	.46	.18
5	.12	.06	.46	.21	.10	3.4	.65	.49	.52	.44	.44	.16
6	.11	.05	.55	.20	.10	3.2	.65	1.2	.49	.52	.52	.16
7	.11	.08	.55	.19	.10	2.3	.65	1.3	.49	.41	1.3	.16
8	.12	.06	.49	.18	.11	1.8	.65	.95	.49	.32	1.1	.16
9	.15	.14	.49	.16	.12	1.4	.62	.82	.49	.27	.90	.41
10	.10	.34	.49	.15	.61	1.1	.59	.73	.49	.23	.82	.39
11	.10	.27	.46	.14	.86	.90	.59	.65	.49	.20	.78	.25
12	.12	.25	.46	.13	.86	.86	.59	.62	.49	.16	.78	.23
13	.12	.23	.49	.12	1.4	.86	.62	.55	.52	.16	.82	.20
14	.12	.23	.55	.11	1.1	.86	.62	.55	.55	.13	.82	.21
15	.13	.20	1.4	.11	1.3	.86	.62	.93	.62	.11	.86	.23
16	.11	.20	.86	.11	4.2	.86	.55	1.2	.65	.11	.65	.21
17	.11	.18	.62	.10	6.9	.86	.52	.90	.49	.10	.62	.21
18	.13	.16	.44	.10	3.0	.86	.49	.82	.46	.08	.59	.21
19	.16	.16	.39	.10	1.8	.82	.49	.71	.65	.05	.55	.25
20	.13	.18	.34	.10	1.4	.82	.46	.65	.46	.05	.52	.46
21	.11	.21	.32	.10	1.6	.78	.52	.65	.39	.68	.49	.27
22	.09	.18	.27	.10	2.0	.78	.55	.62	.34	1.2	.42	.25
23	.10	.16	.21	.10	1.6	.78	.52	.62	.34	1.5	.44	.23
24	.10	.15	.21	.10	1.5	.78	.62	.59	1.2	1.5	.36	.21
25	.12	.15	.20	.12	1.4	.78	1.4	.55	1.4	1.2	.32	.21
26	.09	.15	.21	.16	1.2	.78	1.1	.55	.86	.90	.34	.59
27	.08	.16	.21	.20	1.2	.78	.86	.52	.59	.73	.32	.59
28	.07	.15	.23	.18	1.1	.78	.82	.52	.46	.73	.25	.36
29	.09	.92	.23	.16	1.1	.78	.73	.55	.46	1.8	.27	.32
30	.05	1.3	.32	.14	---	.78	.65	.59	1.3	1.2	.25	.30
31	.05	---	.34	.13	---	.73	---	.69	---	1.0	.21	---
TOTAL	3.39	6.75	14.24	4.89	37.10	44.29	19.94	21.93	18.07	18.91	18.22	8.01
MEAN	.11	.23	.46	.16	1.28	1.43	.66	.71	.60	.61	.59	.27
MAX	.16	1.3	1.4	.32	6.9	3.9	1.4	1.3	1.4	1.8	1.3	.59
MIN	.05	.05	.20	.10	.10	.73	.46	.49	.34	.05	.21	.16
CFSM	.06	.12	.23	.08	.65	.73	.34	.36	.31	.31	.30	.14
IN.	.06	.13	.27	.09	.70	.84	.38	.42	.34	.36	.35	.15

CAL YR 1975 TOTAL 186.60 MEAN .51 MAX 3.3 MIN .05 CFSM .26 IN 3.54
WTR YR 1976 TOTAL 215.74 MEAN .59 MAX 6.9 MIN .05 CFSM .30 IN 4.09

04099750 Pigeon River near Scott, Ind.

LOCATION.--Lat 41°44'56", long 85°34'35", in SE¼NW¼ sec.14, T.38 N., R.8 E., Lagrange County, on right bank 20 ft (6 m) downstream from bridge on County Road 750 North, 1,200 ft (366 m) downstream from Page ditch, 0.7 mile (1.1 km) south of Indiana-Michigan state line, and 1.2 miles (1.9 km) northwest of Scott.

DRAINAGE AREA.--361 mi^2 (935 km^2), of which 53.9 mi^2 (139.6 km^2) does not contribute directly to surface runoff.

PERIOD OF RECORD.--June 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 815.00 ft (248.412 m) above mean sea level.

AVERAGE DISCHARGE.--8 years, 340 ft^3/s (9.63 m^3/s), 12.79 in/yr (325 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,780 ft^3/s (50.4 m^3/s) Mar. 5, gage height, 7.07 ft (2.155 m); minimum daily, 118 ft^3/s (3.34 m^3/s) Sept. 2.
Period of record: Maximum discharge, 1,780 ft^3/s (50.4 m^3/s) Mar. 5, 1976, gage height, 7.07 ft (2.155 m); minimum daily, 42 ft^3/s (1.19 m^3/s) Oct. 21, 1971.

REMARKS.--Records good.

REVISIONS.--WSP 2111: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	192	160	493	340	222	1200	595	406	363	419	477	132
2	186	160	450	338	222	1300	580	411	358	403	444	118
3	182	170	394	338	218	1450	561	401	320	364	417	135
4	177	167	387	333	212	1500	543	385	295	346	392	135
5	174	170	399	330	210	1650	528	369	278	330	365	132
6	169	170	432	320	210	1600	511	425	263	328	359	130
7	167	177	461	310	205	1540	493	591	253	324	361	126
8	168	190	466	300	205	1440	475	644	246	300	339	123
9	172	187	459	295	202	1380	460	540	237	282	313	132
10	174	187	457	285	202	1330	421	476	227	266	293	182
11	139	187	448	280	220	1290	434	445	221	255	278	180
12	120	190	429	270	255	1260	430	422	210	239	270	155
13	154	185	421	265	350	1230	416	404	207	252	255	139
14	159	182	429	260	500	1180	406	391	207	228	255	135
15	158	177	485	250	700	1110	398	406	201	212	252	135
16	155	175	537	245	930	1040	390	501	227	190	238	137
17	152	177	538	238	1110	985	381	515	222	181	225	139
18	152	172	478	232	1200	939	373	464	215	185	216	139
19	165	172	427	227	1260	889	370	427	237	179	209	135
20	180	175	465	222	1300	840	354	403	243	178	202	139
21	177	193	478	218	1330	813	354	384	230	315	197	143
22	170	201	486	215	1320	792	361	367	225	454	194	146
23	167	186	468	215	1310	721	351	351	240	448	191	139
24	162	178	458	215	1300	666	353	339	262	431	183	135
25	167	177	422	215	1260	638	440	326	356	431	216	132
26	172	176	397	218	1200	577	514	313	389	416	196	160
27	172	184	387	220	1130	651	500	301	324	408	192	202
28	167	185	375	222	1100	688	446	292	306	403	179	190
29	150	243	375	222	1000	679	423	276	309	454	170	172
30	160	406	350	222	---	646	411	278	368	543	160	162
31	160	---	340	222	---	614	---	302	---	528	152	---
TOTAL	5119	5659	13591	8082	20883	32638	13272	12555	8034	10292	8190	4359
MEAN	165	189	438	261	720	1053	442	405	268	332	264	145
MAX	192	406	538	340	1330	1650	595	644	389	543	477	202
MIN	120	160	340	215	202	577	351	276	201	178	152	118
CFSM	.46	.52	1.21	.72	1.99	2.92	1.22	1.12	.74	.92	.73	.40
IN.	.53	.58	1.40	.83	2.15	3.36	1.37	1.29	.83	1.06	.84	.45

CAL YR 1975 TOTAL 132894 MEAN 364 MAX 763 MIN 120 CFSM 1.01 IN 13.69
WTR YR 1976 TOTAL 142674 MEAN 390 MAX 1650 MIN 118 CFSM 1.08 IN 14.70

04100222 North Branch Elkhart River at Cosperville, Ind.

LOCATION.--Lat 41°28'54", long 85°28'32", in NE¼NW¼ sec.22, T.35 N., R.9 E., Noble County, on right bank at downstream side of bridge on County Road 900 North, 1,300 ft (396 m) downstream from Boyd ditch, 1.7 miles (2.7 km) upstream from Hustin ditch, and 3.1 miles (5.0 km) downstream from Waldron Lake.

DRAINAGE AREA.--142 mi^2 (368 km^2).

PERIOD OF RECORD.--October 1971 to current year. October 1950 to September 1971 at site 3.1 miles (5.0 km) upstream, published as North Branch Elkhart River near Cosperville. Records may not be equivalent.

GAGE.--Water-stage recorder. Datum of gage is 880.12 ft (268.261 m) above mean sea level (levels by State of Indiana, Department of Natural Resources).

AVERAGE DISCHARGE.--5 years, 132 ft^3/s (3.738 m^3/s), 12.62 in/yr (321 mm/yr).

EXTREMES.--Current year: Maximum discharge, 587 ft^3/s (16.6 m^3/s) Mar. 6, gage height, 7.25 ft (2.210 m); minimum daily, 14 ft^3/s (0.40 m^3/s) Oct. 6.
Period of record: Maximum discharge, 587 ft^3/s (16.6 m^3/s) Mar. 6, 1976, gage height, 7.25 ft (2.210 m); minimum daily, 2.4 ft^3/s (0.068 m^3/s) Nov. 21, 1971.

REMARKS.--Records good. Flow regulated at times by dam at Waldron Lake.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	30	167	84	53	433	238	123	95	133	202	33
2	18	37	163	81	53	468	232	118	91	127	195	31
3	16	59	150	79	52	502	226	109	85	113	185	27
4	16	59	132	76	52	531	218	102	77	98	172	23
5	15	55	115	74	52	568	207	94	68	88	160	20
6	14	51	116	73	51	585	196	111	61	85	163	18
7	15	55	116	72	51	583	185	155	56	81	171	18
8	15	58	110	70	50	573	173	158	53	78	168	20
9	17	57	107	69	51	558	161	149	50	74	159	32
10	17	55	102	67	58	539	150	138	45	67	150	45
11	16	64	98	65	105	521	146	125	41	62	139	42
12	17	56	96	63	152	498	135	116	40	60	128	39
13	16	49	96	60	193	477	124	109	37	54	117	35
14	16	44	99	59	218	456	117	104	34	49	109	32
15	16	41	141	58	229	436	112	118	32	48	102	34
16	15	40	168	57	262	414	108	155	53	48	93	32
17	17	39	168	56	345	393	103	158	54	44	85	31
18	19	38	158	55	383	373	97	154	47	40	78	29
19	25	36	155	54	399	354	91	145	73	37	72	28
20	27	40	142	53	405	335	89	136	72	35	66	35
21	28	49	132	52	425	320	86	128	61	66	63	35
22	30	48	129	51	448	303	83	119	54	105	58	33
23	37	45	108	51	454	287	85	111	49	131	55	28
24	40	43	101	51	451	273	89	106	72	143	53	27
25	45	43	97	51	444	268	126	100	151	141	50	25
26	48	43	96	53	434	259	150	95	161	134	49	35
27	43	49	95	56	419	259	149	90	153	124	49	47
28	39	47	92	55	404	265	144	87	142	118	49	4
29	38	74	91	54	390	261	136	86	132	182	44	[illegible]
30	35	147	89	54	---	251	128	86	135	199	39	36
31	33	---	87	53	---	245	---	93	---	203	35	---
TOTAL	762	1551	3716	1906	7083	12588	4284	3678	2274	2967	3258	953
MEAN	24.6	51.7	120	61.5	244	406	143	119	75.8	95.7	105	31.8
MAX	48	147	168	84	454	585	238	158	161	203	202	47
MIN	14	30	87	51	50	245	83	86	32	35	35	18
CFSM	.17	.36	.85	.43	1.72	2.86	1.01	.84	.53	.67	.74	.22
IN.	.20	.41	.97	.50	1.86	3.30	1.12	.96	.60	.78	.85	.25

CAL YR 1975 TOTAL 40873 MEAN 112 MAX 321 MIN 14 CFSM .79 IN 10.71
WTR YR 1976 TOTAL 45020 MEAN 123 MAX 585 MIN 14 CFSM .87 IN 11.79

04100252 Forker Creek near Burr Oak, Ind.

LOCATION.--Lat 41°19'58", long 85°25'25", in SE¼NE¼ sec.12, T.33 N., R.9 E., Noble County, on right bank 300 ft (91 m) downstream from bridge on State Highway 9, 400 ft (122 m) downstream from Miller Lake outlet, 0.8 mile (1.3 km) northeast of Burr Oak, and 4.5 miles (7.2 km) south of Albion.

DRAINAGE AREA.--19.2 mi^2 (49.7 km^2).

PERIOD OF RECORD.--June 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 889.00 ft (270.967 m) above mean sea level (Indiana State Highway Commission bench mark).

AVERAGE DISCHARGE.--7 years, 16.0 ft^3/s (0.453 m^3/s), 11.32 in/yr (288 mm/yr).

EXTREMES.--Current year: Maximum discharge, 179 ft^3/s (5.07 m^3/s) Feb. 18, gage height, 4.82 ft (1.469 m); minimum daily, 0.26 ft^3/s (0.007 m^3/s) Sept. 29, 30.
Period of record: Maximum discharge, 179 ft^3/s (5.07 m^3/s) Feb. 18, 1976, gage height, 4.82 ft (1.469 m); minimum daily, 0.13 ft^3/s (0.004 m^3/s) Sept. 10, 1972.

REMARKS.--Records good. Occasional regulation at Miller Lake outlet.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.74	1.4	24	7.3	4.2	45	26	17	8.1	4.1	9.8	.40
2	.66	1.8	27	7.0	4.2	52	23	14	7.8	3.3	8.0	.40
3	.53	2.2	27	6.7	4.1	59	21	12	6.8	2.8	6.6	.40
4	.48	2.0	25	6.4	4.1	68	19	10	6.0	2.4	5.4	.42
5	.51	1.9	22	6.2	4.0	91	17	8.4	5.1	2.2	4.3	.40
6	.51	1.9	20	5.9	4.0	102	15	9.5	4.6	2.0	6.7	.39
7	.53	3.5	18	5.6	4.0	92	14	11	4.1	1.9	9.7	.34
8	.55	3.3	17	5.4	4.0	75	11	9.8	3.8	2.6	9.2	.36
9	.67	3.0	14	5.3	4.0	61	10	9.5	3.0	1.9	8.6	.37
10	.66	3.0	11	5.1	5.7	50	9.1	9.6	2.8	1.7	7.9	.36
11	.82	3.0	8.8	4.9	12	40	8.9	8.7	2.2	1.4	6.8	.36
12	.87	2.2	7.4	4.6	22	34	8.3	7.7	2.4	1.1	5.8	.30
13	.76	1.7	5.7	4.5	46	30	7.9	7.4	2.4	.79	5.1	.32
14	.79	1.3	5.2	4.3	82	28	7.7	7.2	2.2	.61	4.4	.32
15	.79	1.2	23	4.2	97	26	7.4	8.4	2.2	.59	3.6	.32
16	.72	1.1	31	4.1	110	24	7.2	9.4	2.4	.59	2.8	.32
17	.68	1.1	38	3.9	164	22	7.0	11	2.2	.43	2.3	.32
18	.81	1.0	38	3.7	175	21	6.4	12	2.4	.34	2.2	.32
19	1.4	1.0	33	3.8	149	20	6.0	13	4.1	.32	1.9	.32
20	1.3	1.7	27	3.8	118	19	6.0	12	3.3	.29	1.7	.32
21	1.3	2.4	23	3.8	107	18	5.7	11	3.0	.65	1.4	.32
22	1.3	2.1	19	3.8	119	16	5.4	9.5	3.3	.66	1.3	.32
23	1.3	1.7	16	3.8	119	14	5.4	8.7	3.5	.71	1.1	.32
24	1.4	1.6	13	3.8	101	14	6.4	7.9	5.4	.58	.95	.32
25	2.5	1.8	11	3.9	82	16	10	7.0	6.7	.44	.85	.30
26	2.6	2.0	10	4.1	67	18	15	6.4	5.9	.41	.84	.28
27	2.2	3.5	9.2	4.2	56	22	19	6.3	5.4	.46	.82	.29
28	2.0	2.9	8.5	4.3	48	27	21	6.1	5.4	.68	.69	.29
29	1.9	7.2	8.2	4.3	40	30	21	5.8	5.0	2.0	.57	.26
30	1.6	19	8.0	4.3	---	30	19	6.1	5.4	2.0	.51	.26
31	1.6	---	7.6	4.2	---	28	---	7.6	---	8.9	.47	---
TOTAL	34.48	83.5	555.6	147.2	1756.3	1192	365.8	290.0	126.9	48.85	122.30	10.02
MEAN	1.11	2.78	17.9	4.75	60.6	38.5	12.2	9.35	4.23	1.58	3.95	.33
MAX	2.6	19	38	7.3	175	102	26	17	8.1	8.9	9.8	.42
MIN	.48	1.0	5.2	3.7	4.0	14	5.4	5.8	2.2	.29	.47	.26
CFSM	.06	.14	.93	.25	3.16	2.01	.64	.49	.22	.08	.21	.02
IN.	.07	.16	1.08	.29	3.40	2.31	.71	.56	.25	.09	.24	.02

CAL YR 1975 TOTAL 7241.96 MEAN 19.8 MAX 110 MIN .48 CFSM 1.03 IN 14.03
WTR YR 1976 TOTAL 4732.95 MEAN 12.9 MAX 175 MIN .26 CFSM .67 IN 9.17

04100465 Turkey Creek at Syracuse, Ind.

LOCATION.--Lat 41°25'35", long 85°45'16", in NE¼SE¼ sec.6, T.34 N., R.7 E., Kosciusko County, on right bank 75 ft (23 m) upstream from Main Street bridge in Syracuse and 1,500 ft (457 m) downstream from dam at outlet of Syracuse Lake.

DRAINAGE AREA.--43.8 mi^2 (113.4 km^2).

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 848.00 ft (258.470 m) above mean sea level.

AVERAGE DISCHARGE.--7 years, 34.5 ft^3/s (0.977 m^3/s), 10.70 in/yr (272 mm/yr).

EXTREMES.--Current year: Maximum discharge, 125 ft^3/s (3.54 m^3/s) Mar. 5, gage height, 4.55 ft (1.387 m); minimum daily, 4.0 ft^3/s (0.113 m^3/s) Sept. 12.
Period of record: Maximum discharge, 129 ft^3/s (3.65 m^3/s) Mar. 8, 1974, gage height, 4.54 ft (1.384 m); maximum gage height, 4.59 ft (1.399 m) May 24, 1970; minimum daily discharge 1.4 ft^3/s (0.040 m^3/s) Oct. 17, 1971.

REMARKS.--Records good. Flow occasionally regulated by dam on Syracuse Lake.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.7	5.7	60	55	4.7	104	62	17	16	69	78	5.7
2	9.5	5.8	59	55	4.6	108	61	18	16	60	73	5.7
3	8.7	6.0	57	55	4.5	109	61	19	15	47	60	5.6
4	8.0	6.4	56	54	4.4	113	60	19	15	44	43	5.0
5	7.9	6.7	55	54	4.3	121	59	19	14	38	42	4.5
6	8.4	7.1	55	54	4.2	120	58	31	13	33	50	4.4
7	8.4	8.2	54	54	4.2	115	57	37	13	32	50	5.0
8	8.5	7.2	54	54	4.1	117	56	37	13	27	47	5.3
9	8.4	7.2	55	53	4.1	116	46	36	13	21	41	6.9
10	8.2	8.8	54	53	5.0	112	37	37	13	20	35	5.7
11	7.5	8.9	53	52	9.8	110	37	34	12	14	27	4.9
12	7.1	10	53	53	16	109	37	33	12	5.8	22	4.0
13	7.7	8.7	53	53	20	104	37	27	10	5.4	21	4.5
14	7.6	8.8	53	53	18	102	37	18	10	5.3	26	4.7
15	7.8	8.5	61	53	16	100	28	18	12	5.3	30	4.9
16	7.4	9.0	62	53	26	98	20	17	11	5.5	25	4.9
17	7.6	7.3	61	52	46	96	20	17	11	5.1	19	4.9
18	7.1	7.5	59	51	66	95	20	16	12	4.8	18	4.7
19	7.0	7.9	58	51	89	94	20	16	10	5.3	17	5.1
20	7.3	8.7	57	35	94	92	15	14	8.8	6.2	17	5.2
21	7.6	9.5	54	5.6	98	90	8.8	14	9.0	11	15	5.3
22	7.6	19	56	5.3	99	86	8.4	14	10	10	13	5.2
23	7.7	19	56	5.0	98	77	8.4	13	11	10	12	4.6
24	8.1	19	55	4.9	96	77	9.8	13	17	9.2	7.5	4.6
25	7.5	25	54	4.4	95	77	13	13	53	8.1	7.1	4.2
26	6.2	27	54	4.8	92	69	14	13	77	8.3	6.9	5.5
27	6.8	27	55	5.1	90	66	14	13	72	8.3	7.3	4.9
28	6.5	26	54	5.0	87	66	14	13	68	25	6.8	4.8
29	6.6	26	55	4.9	87	66	15	13	62	64	5.7	4.6
30	6.3	49	56	4.8	---	65	17	14	64	79	5.9	4.6
31	6.4	---	56	4.8	---	63	---	16	---	85	5.9	---
TOTAL	237.1	400.9	1734	1101.6	1286.9	2937	950.4	629	692.8	771.6	834.1	149.9
MEAN	7.65	13.4	55.9	35.5	44.4	94.7	31.7	20.3	23.1	24.9	26.9	5.00
MAX	9.7	49	62	55	99	121	62	37	77	85	78	6.9
MIN	6.2	5.7	53	4.4	4.1	63	8.4	13	8.8	4.8	5.7	4.0
CFSM	.17	.31	1.28	.81	1.01	2.16	.72	.46	.53	.57	.61	.11
IN.	.20	.34	1.47	.94	1.09	2.49	.81	.53	.59	.66	.71	.13

CAL YR 1975 TOTAL 13611.9 MEAN 37.3 MAX 92 MIN 3.8 CFSM .85 IN 11.56
WTR YR 1976 TOTAL 11725.3 MEAN 32.0 MAX 121 MIN 4.0 CFSM .73 IN 9.96

04100500 Elkhart River at Goshen, Ind.

LOCATION.--Lat 41°35'36", long 85°50'55", in NE¼NE¼ sec.8, T.36 N., R.6 E., Elkhart County, on right bank 20 ft (6 m) downstream from River Avenue bridge at Goshen, 0.4 mile (0.6 km) upstream from Rock Run, and at mile 16.1 (25.9 km).

DRAINAGE AREA.--594 mi^2 (1,538 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: April 1931 to current year.
SEDIMENT DISCHARGE: October 1963 to current year (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 769.43 ft (234.522 m) above mean sea level. Prior to Nov. 20, 1931, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--45 years, 503 ft^3/s (14.2 m^3/s), 11.50 in/yr (292 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,280 ft^3/s (92.9 m^3/s) Mar. 5, gage height, 7.83 ft (2.387 m); minimum daily, 135 ft^3/s (3.82 m^3/s) Oct. 12.
Period of record: Maximum discharge, 5,440 ft^3/s (154 m^3/s) Apr. 4, 1950, gage height, 10.15 ft (3.094 m); maximum gage height, 10.33 ft (3.149 m) July 10, 1951; minimum daily discharge, 7.0 ft^3/s (0.20 m^3/s) Aug. 11, 1964, result of extreme regulation.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1337: 1939(M). WSP 1557: 1954. WSP 2111: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	171	172	967	442	233	2010	816	483	457	727	1570	240
2	168	179	836	432	230	2260	784	471	426	588	1160	234
3	161	216	639	400	230	2470	751	462	393	502	889	227
4	156	235	557	348	230	2670	723	447	368	446	752	219
5	153	228	522	291	232	3040	694	429	348	408	669	211
6	149	218	531	359	232	2980	668	509	331	404	722	206
7	146	233	584	350	232	2470	643	810	314	365	848	203
8	151	231	561	340	233	2150	613	877	304	350	804	197
9	156	228	522	340	234	1930	592	676	290	328	672	213
10	160	230	498	340	235	1800	569	584	282	305	594	273
11	145	230	475	336	463	1690	548	539	266	288	548	244
12	135	229	459	336	778	1610	524	497	252	271	519	222
13	144	229	461	335	1060	1570	505	468	241	250	504	216
14	143	217	506	326	1330	1460	489	452	230	232	516	212
15	145	209	731	300	1170	1360	482	452	233	230	492	209
16	142	202	1120	290	1320	1270	465	486	275	227	457	211
17	142	196	939	280	2310	1200	438	520	271	208	424	211
18	142	194	709	270	2700	1120	417	498	270	197	395	213
19	150	192	501	265	2210	1060	405	476	299	188	377	208
20	167	199	531	260	1910	1010	395	461	319	186	358	223
21	165	206	564	255	1870	980	398	447	296	330	343	237
22	162	210	502	255	2250	925	395	431	278	367	329	223
23	159	212	522	253	2200	865	379	417	313	395	315	212
24	160	213	487	250	1890	823	401	404	381	427	302	205
25	177	219	471	251	1730	799	520	400	566	359	290	203
26	185	220	462	256	1620	773	682	396	716	329	292	266
27	184	230	444	251	1530	999	621	386	607	307	303	297
28	182	226	428	250	1430	1320	556	375	551	357	294	271
29	180	325	392	245	1360	1180	520	384	549	1790	273	257
30	176	646	437	240	---	965	498	395	760	2650	259	242
31	174	---	451	232	---	862	---	443	---	1940	247	---
TOTAL	4930	6974	17809	9378	33452	47611	16491	15075	11186	15951	16517	6805
MEAN	159	232	574	303	1154	1536	550	486	373	515	533	227
MAX	185	646	1120	442	2700	3040	816	877	760	2650	1570	297
MIN	135	172	392	232	230	773	379	375	230	186	247	197
CFSM	.27	.39	.97	.51	1.94	2.59	.93	.82	.63	.87	.90	.38
IN.	.31	.44	1.12	.59	2.09	2.98	1.03	.94	.70	1.00	1.03	.43

CAL YR 1975 TOTAL 192609 MEAN 528 MAX 1860 MIN 135 CFSM .89 IN 12.06
WTR YR 1976 TOTAL 202179 MEAN 552 MAX 3040 MIN 135 CFSM .93 IN 12.66

PEAK DISCHARGE (BASE, 1,800 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-18	0400	7.23	2,890	03-05	1700	7.83	3,280
02-22	2000	6.43	2,390	07-30	0300	7.33	2,950

04100500 Elkhart River at Goshen, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
MAR.					
02...	1620	6.0	2540	43	295
06...	1135	4.0	3030	41	335
11...	1045	4.5	1830	8	40

04101000 St. Joseph River at Elkhart, Ind.

LOCATION.--Lat 41°41'30", long 85°58'30", in SW¼NE¼ sec.5, T.37 N., R.5 E., Elkhart County, on left bank 200 ft (61 m) downstream from mouth of Elkhart River, 200 ft (61 m) upstream from Main Street bridge in Elkhart, 2,000 ft (610 m) downstream from Christiana Creek, and 0.5 mile (0.8 km) downstream from Elkhart Hydroelectric Plant.

DRAINAGE AREA.--3,370 mi^2 (8,728 km^2).

PERIOD OF RECORD.--August 1947 to current year. Gage heights at site 0.8 mile (1.3 km) downstream at different datum from September 1924 to March 1926 are available in the district office.

GAGE.--Water-stage recorder. Datum of gage is 700.00 ft (213.360 m) above mean sea level.

AVERAGE DISCHARGE.--29 years, 3,091 ft^3/s (87.5 m^3/s), 12.46 in/yr (316 mm/yr).

EXTREMES.--Current year: Maximum discharge, 13,700 ft^3/s (388 m^3/s) Mar. 6, gage height, 25.50 ft (7.772 m); minimum daily, 1,000 ft^3/s (28.3 m^3/s) Oct. 11.
Period of record: Maximum discharge, 18,400 ft^3/s (521 m^3/s) Apr. 5, 1950, gage height, 27.82 ft (8.480 m); minimum daily, 336 ft^3/s (9.52 m^3/s) Aug. 5, 1964.

REMARKS.--Records good. The flow is regulated by Elkhart Hydroelectric Plant.

REVISIONS.--WSP 2111: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1570	1680	4180	3630	2600	8480	6450	5480	4040	4270	4190	1530
2	1930	1370	3990	3640	2430	9720	6670	5180	4010	4090	3680	1490
3	2110	1740	3950	3160	2720	10200	5570	4960	3810	3730	3110	1510
4	1940	1500	3750	2940	2320	10800	5880	4670	3640	3640	2950	1350
5	2190	1540	3650	2820	2550	12200	5740	4270	3430	3860	2720	1290
6	2290	1570	3800	2760	2490	13300	5510	4950	3250	3320	2920	1080
7	1840	1720	4050	3240	2390	12900	5330	6130	3090	3460	3090	1240
8	1890	1420	4190	2750	2290	12500	5190	6220	2970	2720	2490	1360
9	1870	1230	4140	2700	2480	12000	4870	6580	2970	2940	2740	1450
10	1460	2250	3900	2990	2670	11500	4610	6900	2940	2500	2560	1510
11	1000	1750	3930	3100	2860	11000	4620	6670	2760	2420	2400	1250
12	1570	1820	3790	2620	3470	10500	4540	6340	2790	2730	2290	1330
13	2000	1620	3660	2790	3990	10200	4460	5920	2180	2100	2260	1500
14	1640	1690	3900	3080	4990	9660	4290	5580	2620	2100	2300	1500
15	1670	1530	4570	2960	4460	8980	4160	5370	2640	2100	1890	1320
16	1580	1190	5110	3140	5480	8690	3980	5610	2600	2250	2050	1510
17	1520	1750	5240	2820	7210	8350	4010	5700	2420	1620	2000	1520
18	1450	1640	5320	2570	8230	7900	3880	5580	2630	1650	1880	1270
19	1540	1900	4570	2500	7970	7440	3740	5200	3130	2120	1870	1230
20	1560	1870	4700	2980	7910	7090	3720	4790	2390	1880	2090	1470
21	1360	2130	4570	2490	8370	7010	3800	4760	2960	2690	2180	1460
22	1320	2100	4390	2330	9420	6830	3610	4600	2820	2960	1560	1480
23	1280	1610	4420	2600	9570	6680	3600	4740	2640	3190	1570	1480
24	1470	2430	4070	2860	9390	6400	3080	4190	2590	3190	1530	1430
25	1420	2110	4010	2740	9130	6220	4800	4060	3700	2900	1600	1160
26	1540	2080	3950	2490	8790	6000	5040	3670	3610	2990	1620	1330
27	1640	1900	3750	2370	8440	6480	5440	3700	3540	2670	1670	1850
28	1840	2110	3660	2430	8100	7210	5760	3140	3560	2780	1650	1720
29	1550	2400	3280	2600	7840	6930	5670	3670	3590	3660	1460	1760
30	1700	3050	3380	2470	---	6970	5680	3700	4040	4990	1700	1840
31	1920	---	3570	2590	---	6810	---	3750	---	4890	1490	---
TOTAL	51660	54700	127440	87160	160560	276950	143700	156080	93360	92410	69510	43220
MEAN	1666	1823	4111	2812	5537	8934	4790	5035	3112	2981	2242	1441
MAX	2290	3050	5320	3640	9570	13300	6670	6900	4040	4990	4190	1850
MIN	1000	1190	3280	2330	2290	6000	3080	3140	2180	1620	1460	1080
CFSM	.49	.54	1.22	.83	1.64	2.65	1.42	1.49	.92	.88	.67	.43
IN.	.57	.60	1.41	.96	1.77	3.06	1.59	1.72	1.03	1.02	.77	.48

CAL YR 1975 TOTAL 1250270 MEAN 3425 MAX 6510 MIN 1000 CFSM 1.02 IN 13.80
WTR YR 1976 TOTAL 1356750 MEAN 3707 MAX 13300 MIN 1000 CFSM 1.10 IN 14.98

04101500 St. Joseph River at Niles, Mich.

LOCATION.--Lat 41°49'45", long 86°15'35", in SW¼ sec.26, T.7 S., R.17 W., Berrien County, on right bank 100 ft (30 m) upstream from Main Street bridge at Niles, 0.6 mile (1.0 km) downstream from dam at French Paper Co., 1 mile (2 km) upstream from Dowagiac River, and at mile 44 (71 km).

DRAINAGE AREA.--3,666 mi^2 (9,495 km^2).

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for some periods, published in WSP 1307.

GAGE.--Water-stage recorder. Datum of gage is 633.02 ft (192.944 m) above mean sea level. Prior to Oct. 1, 1968, at datum 2.00 ft (0.610 m) higher. Oct. 1, 1930, to Feb. 11, 1931, nonrecording gage on Main Street bridge, on Feb. 12 to June 30, 1931, nonrecording gage 50 ft (15 m) upstream from present site (gage heights referred to mean sea level). Since Apr. 13, 1970, auxiliary water-stage recorder 1.1 mile (1.8 km) downstream from base gage at same datum. Oct. 1, 1943, to Apr. 12, 1970, auxiliary gage was headwater gage at hydroelectric plant at Buchanan Dam, 8 miles (13 km) downstream from base gage at different datum.

AVERAGE DISCHARGE.--46 years, 3,160 ft^3/s (89.49 m^3/s), 11.71 in/yr (297 mm/yr).

EXTREMES.--Current year: Maximum discharge, 14,700 ft^3/s (416 m^3/s) Mar. 6, gage height, 12.53 ft (3.819 m); minimum daily, 1,210 ft^3/s (34.3 m^3/s) Sept. 7.
Period of record: Maximum discharge, 20,200 ft^3/s (572 m^3/s) Apr. 5, 1950, gage height, 15.10 ft (4.602 m), present datum; minimum daily, 420 ft^3/s (11.9 m^3/s) Aug. 30, 1931.

REMARKS.--Records good. Flow regulated by powerplants above station. Several observations of water temperature were made during the year.

REVISIONS (WATER YEARS).--WSP 1387: 1931, 1933-36, 1940-43, 1945-46(M), 1949(M). WSP 1911: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1890	2360	4120	3520	2790	9090	6740	5770	4000	4280	4350	1670
2	1900	1910	4230	3570	2600	10800	6720	5310	4100	4230	3990	1710
3	2160	1740	3410	3330	2800	11400	5940	5000	4000	3880	3540	1670
4	2650	2390	3670	3130	2490	12200	6010	5150	3800	3670	2990	1660
5	2230	2170	3620	2970	2600	13000	5730	4480	3500	3790	2950	1600
6	2480	2190	3940	3080	2770	14400	5730	5120	3200	3220	3280	1540
7	2100	2360	3990	3180	2400	13700	5350	7150	3000	3340	3660	1210
8	2020	2600	3940	2870	2550	12800	5360	7120	3000	3520	3190	1370
9	2140	2080	4170	2570	2550	12200	5070	6530	3000	2920	2610	1620
10	2080	2000	4050	2700	3160	11800	4760	6630	2970	3080	2890	1750
11	2020	2630	3940	2700	2930	11200	4770	6850	2840	2460	2650	1820
12	1540	2720	3820	2820	3690	10900	4540	6300	3120	3120	2700	1330
13	1950	2170	3770	2770	4560	10800	4610	6200	2520	2410	2450	1470
14	1910	2400	3670	3070	5330	10200	4640	5600	2500	2130	3260	1830
15	1960	2540	4650	2930	4790	9350	4080	5820	2700	2430	2120	1510
16	2020	2150	5470	3320	5430	8790	4220	5800	2720	2560	2440	1420
17	2050	2180	5160	3140	8100	8780	4060	5700	2530	2290	2050	1550
18	2010	2790	4970	2840	9310	8320	4000	5600	2730	1600	2330	1480
19	1710	1670	4920	2270	8440	7440	4020	5400	3570	2350	2020	1340
20	2070	1910	4380	3130	8430	7700	3870	5300	2770	2300	2100	1420
21	2170	2060	4430	2670	8910	7160	4270	5300	2570	3480	2560	1650
22	2050	2320	3900	2580	10200	6910	3640	5200	3360	3040	2110	1590
23	2230	1960	4500	2660	10400	6400	3870	5000	3630	3560	1820	1600
24	1540	2280	3690	2930	9910	6480	3670	4700	3050	3910	1630	1660
25	2470	2370	3880	2950	9400	5970	5780	4300	4330	3010	1870	1570
26	1850	2230	3780	2780	9200	6280	5220	3500	4130	3100	1740	1550
27	2150	2430	3700	2580	8650	6550	5630	3800	3670	3150	2240	1730
28	2230	1940	3490	2570	8250	7870	5810	3900	2800	2670	2050	1970
29	2210	2980	3240	2900	7970	7560	6160	3900	3270	4060	1640	2010
30	2070	3250	3500	2610	---	7140	5400	3900	4720	4330	1770	1900
31	2270	---	3580	2930	---	7020	---	3900	---	5620	1830	---
TOTAL	64130	68780	125580	90070	170610	290210	149670	164230	98100	99510	78830	48200
MEAN	2069	2293	4051	2905	5883	9362	4989	5298	3270	3210	2543	1607
MAX	2650	3250	5470	3570	10400	14400	6740	7150	4720	5620	4350	2010
MIN	1540	1670	3240	2270	2400	5970	3640	3500	2500	1600	1630	1210
CFSM	.56	.63	1.11	.79	1.60	2.55	1.36	1.45	.89	.88	.69	.44
IN.	.65	.70	1.27	.91	1.73	2.94	1.52	1.67	1.00	1.01	.80	.49

CAL YR 1975 TOTAL 1309660 MEAN 3588 MAX 7140 MIN 1540 CFSM .98 IN 13.29
WTR YR 1976 TOTAL 1447920 MEAN 3956 MAX 14400 MIN 1210 CFSM 1.08 IN 14.69

04177720 Fish Creek at Hamilton, Ind.

LOCATION.--Lat 41°31'55", long 84°54'12", in SE¼SW¼ sec.34, T.36 N., R.14 E., Steuben County, on left bank 6 ft (2 m) upstream from bridge on County Road 775 South, 0.5 mile (0.8 km) downstream from Hamilton Lake outlet, and 0.5 mile (0.8 km) southeast of Hamilton.

DRAINAGE AREA.--37.5 mi^2 (97.1 km^2).

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 876.00 ft (267.005 m) above mean sea level.

AVERAGE DISCHARGE.--7 years, 29.2 ft^3/s (0.827 m^3/s), 10.57 in/yr (268 mm/yr).

EXTREMES.--Current year: Maximum discharge, 452 ft^3/s (12.8 m^3/s) Feb. 17, gage height, 10.34 ft (3.152 m); minimum daily, 1.9 ft (0.054 m^3/s) Oct. 5.
Period of record: Maximum discharge, 452 ft^3/s (12.8 m^3/s) Feb. 17, 1976, gage height, 10.34 ft (3.152 m); minimum daily, 0.52 ft^3/s (0.015 m^3/s) Aug. 31, 1971.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	7.3	188	20	15	202	37	27	9.9	52	24	2.6
2	2.4	8.7	152	20	14	237	36	24	8.8	37	18	2.5
3	2.0	14	109	19	13	270	32	21	7.6	29	14	2.4
4	2.0	14	77	18	13	293	31	17	6.2	22	11	2.4
5	1.9	13	59	16	12	327	28	15	5.8	18	9.7	2.3
6	2.3	12	61	14	11	288	26	19	6.0	16	11	2.2
7	2.2	16	55	15	11	215	24	28	5.4	16	12	2.2
8	2.2	18	45	14	12	155	21	23	5.2	16	10	2.2
9	3.7	15	42	14	13	116	19	20	4.8	13	8.8	3.6
10	4.0	20	35	12	14	94	18	18	4.5	11	7.8	4.6
11	4.1	18	30	13	36	77	20	17	4.2	10	6.6	4.2
12	3.7	16	27	12	64	71	17	13	4.6	8.2	6.4	3.6
13	3.9	14	26	13	128	73	16	12	4.2	6.0	6.2	3.3
14	4.4	12	28	13	168	59	15	13	4.1	5.4	6.2	3.1
15	4.7	8.9	112	12	175	53	15	16	3.9	5.2	6.4	3.2
16	4.4	8.5	129	11	253	52	15	22	6.4	5.0	5.5	3.2
17	4.3	8.2	106	10	434	46	14	20	5.8	4.5	4.6	3.2
18	5.0	8.0	76	9.5	410	41	13	17	5.5	4.2	4.2	3.1
19	7.2	7.9	54	9.0	317	40	14	12	9.7	4.0	4.1	3.1
20	15	9.1	44	9.0	233	38	14	11	7.8	3.9	3.9	4.5
21	12	12	34	9.0	218	39	14	10	6.8	65	3.9	3.9
22	11	11	27	9.0	275	32	15	9.2	6.1	89	3.9	3.2
23	9.7	9.8	24	9.0	236	30	12	8.2	5.8	89	3.6	3.0
24	8.9	9.5	20	11	182	29	14	7.8	16	82	3.4	2.7
25	11	11	19	14	143	52	55	7.2	69	53	3.3	2.6
26	9.6	9.6	24	20	114	52	68	4.6	53	34	3.2	4.8
27	9.0	13	23	19	91	56	56	4.2	38	29	3.2	5.6
28	8.7	12	20	18	75	51	46	4.2	28	22	3.1	4.9
29	8.6	48	19	17	71	46	38	4.8	25	32	2.9	4.6
30	7.8	162	20	17	---	45	31	5.5	54	33	2.6	4.4
31	7.2	---	21	16	---	40	---	9.2	---	31	2.5	---
TOTAL	185.6	546.5	1706	432.5	3751	3219	774	439.9	422.1	845.4	216.0	101.2
MEAN	5.99	18.2	55.0	14.0	129	104	25.8	14.2	14.1	27.3	6.97	3.37
MAX	15	162	188	20	434	327	68	28	69	89	24	5.6
MIN	1.9	7.3	19	9.0	11	29	12	4.2	3.9	3.9	2.5	2.2
CFSM	.16	.49	1.47	.37	3.44	2.77	.69	.38	.38	.73	.19	.09
IN.	.18	.54	1.69	.43	3.72	3.19	.77	.44	.42	.84	.21	.10

CAL YR 1975 TOTAL 14011.0 MEAN 38.4 MAX 242 MIN 1.9 CFSM 1.02 IN 13.90
WTR YR 1976 TOTAL 12639.2 MEAN 34.5 MAX 434 MIN 1.9 CFSM .92 IN 12.54

PEAK DISCHARGE (BASE, 100 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-01	0100	7.21	197	02-22	0900	8.37	278
12-15	2200	6.21	134	03-05	1400	9.08	336
02-17	1400	10.34	452				

04178000 St. Joseph River near Newville, Ind.

LOCATION.--Lat 41°23'08", long 84°48'06", in SW¼SW¼ sec.18, T.5 N., R.1 E., Defiance County, Ohio, on left bank at bridge on Ohio State Highway 249, 3.5 miles (5.6 km) northeast of Newville and 6.5 miles (10.5 km) northwest of Hicksville, Ohio.

DRAINAGE AREA.--610 mi^2 (1,580 km^2).

PERIOD OF RECORD.--October 1946 to current year. Monthly discharge only for some periods, published in WSP 1307.

GAGE.--Water-stage recorder. Datum of gage is 795.40 ft (242.438 m) above mean sea level. Prior to Oct. 22, 1947, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--30 years, 506 ft^3/s (14.3 m^3/s), 11.26 in/yr (286 mm/yr).

EXTREMES.--Current year: Maximum discharge 6,740 ft^3/s (191 m^3/s) Feb. 18, gage height, 15.67 (4.776 m); minimum daily, 30 ft^3/s (0.85 m^3/s) Sept. 7, 8.
Period of record: Maximum discharge, 9,710 ft^3/s (275 m^3/s) Apr. 6, 1950, gage height, 17.05 ft (5.197 m); minimum daily, 14 ft^3/s (0.40 m^3/s) Sept. 10, 16, 1964.

REMARKS.--Records good.

REVISIONS.--WSP 2112: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	99	1640	363	250	1950	675	588	229	669	175	37
2	97	98	1860	354	230	2510	600	484	224	783	147	36
3	96	99	1980	336	220	2850	551	423	186	562	125	35
4	95	124	1980	310	205	3750	524	380	153	352	109	34
5	93	128	1820	280	195	4980	500	343	130	259	97	32
6	89	139	1510	270	185	5100	477	319	114	241	132	31
7	84	140	1240	270	170	4570	450	336	103	266	217	30
8	84	178	1060	260	160	3890	415	468	95	251	140	30
9	87	252	887	250	150	3200	384	634	89	203	108	35
10	86	294	720	240	235	2650	358	646	84	172	90	45
11	91	351	609	235	568	2220	341	556	84	146	82	44
12	105	408	531	220	1160	1880	330	566	84	128	76	39
13	108	330	483	210	1830	1690	321	389	88	116	74	38
14	103	254	475	205	2260	1460	311	343	88	103	70	50
15	101	223	1160	200	2370	1300	302	314	85	94	70	48
16	101	181	1860	195	2960	1170	292	306	84	88	67	46
17	97	149	1960	190	4700	1040	253	353	110	82	63	43
18	96	138	1900	183	6290	907	216	336	175	77	59	43
19	97	146	1850	180	6480	808	217	309	152	72	56	46
20	96	140	1500	175	5350	739	301	290	134	67	53	52
21	104	140	1090	175	4600	692	301	272	166	231	50	51
22	109	141	703	175	4750	648	258	250	177	960	48	52
23	111	146	580	175	4360	594	251	233	160	1140	47	55
24	108	147	440	175	3980	550	262	217	146	998	46	50
25	110	147	370	195	3540	560	347	204	212	694	45	46
26	105	144	330	220	3020	706	822	193	667	435	44	50
27	103	147	300	250	2540	946	1100	160	855	290	43	56
28	104	146	290	280	2160	970	1130	134	842	208	42	70
29	106	203	283	276	1830	902	1020	136	614	207	40	86
30	104	1020	308	281	---	862	782	134	412	207	39	78
31	102	---	336	277	---	765	---	152	---	207	40	---
TOTAL	3073	6252	32055	7405	66748	56859	14091	10468	6742	10308	2494	1388
MEAN	99.1	208	1034	239	2302	1834	470	338	225	333	80.5	46.3
MAX	111	1020	1980	363	6480	5100	1130	646	855	1140	217	86
MIN	84	98	283	175	150	550	216	134	84	67	39	30
CFSM	.16	.34	1.70	.39	3.77	3.01	.77	.55	.37	.55	.13	.08
IN.	.19	.38	1.95	.45	4.07	3.47	.86	.64	.41	.63	.15	.08

CAL YR 1975 TOTAL 225260 MEAN 617 MAX 2890 MIN 63 CFSM 1.01 IN 13.74
WTR YR 1976 TOTAL 217883 MEAN 595 MAX 6480 MIN 30 CFSM .98 IN 13.29

04179000 St. Joseph River at Cedarville, Ind.

LOCATION.--Lat 41°11'46", long 85°01'27", in J. Hackley Reserve, T.32 N., R.13 E., Allen County, on left bank 700 ft (213 m) upstream from highway bridge, 0.4 mile (0.6 km) south of Cedarville, 0.5 mile (0.8 km) upstream from Cedar Creek, 0.6 mile (1.0 km) downstream from Cedarville Dam, and at mile 13.9 (22.4 km).

DRAINAGE AREA.--763 mi^2 (1,976 km^2).

PERIOD OF RECORD.--January 1931 to May 1932, October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 757.94 ft (231.020 m) above mean sea level. Jan. 1, 1931, to May 31, 1932, non-recording gage on downstream side of highway bridge 700 ft (213 m) downstream from present site at datum approximately 20 ft (6 m) lower.

AVERAGE DISCHARGE.--21 years (1955 to current year), 609 ft^3/s (17.25 m^3/s), 10.84 in/yr (275 mm/yr).

EXTREMES.--Current year: Maximum daily discharge, 6,900 ft^3/s (195 m^3/s) Feb. 20, maximum gage height, 16.44 ft (5.011 m) Feb. 19; minimum daily discharge, 29 ft^3/s (0.82 m^3/s) Sept. 11.
Period of record: Maximum discharge, 10,100 ft^3/s (286 m^3/s) May 1, 1956, gage height, 18.07 ft (5.508 m), from floodmarks; minimum daily, 1.6 ft^3/s (0.045 m^3/s) May 22, 27, 1958.

REMARKS.--Records fair. Flow regulated by Cedarville Reservoir and some flow diverted into storage of Hurshtown Reservoir. Stage-discharge relation affected at times by backwater from Cedar Creek.

REVISIONS (WATER YEARS).--WSP 1912: 1956. WSP 2112: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	126	129	1190	440	257	2180	916	711	286	409	254	73
2	121	130	1820	441	250	2480	892	642	280	729	223	71
3	120	139	2150	423	230	3090	729	534	232	666	209	69
4	119	143	2240	337	210	3640	832	472	191	449	126	60
5	116	163	2080	305	205	4710	675	495	162	372	171	48
6	111	182	1700	253	190	5750	672	439	142	249	192	39
7	105	209	1330	378	180	5880	666	422	129	312	83	45
8	105	188	1060	340	170	5280	585	465	119	387	264	45
9	109	210	992	350	160	4540	579	621	111	280	252	45
10	108	328	738	333	280	3990	501	723	105	166	127	45
11	114	385	648	263	1080	3060	591	675	105	241	117	29
12	131	362	579	234	1800	2590	472	591	105	180	125	51
13	135	420	537	257	2170	2560	453	510	110	142	122	72
14	118	331	528	253	2400	1960	489	437	110	181	112	68
15	118	221	1170	214	2690	1780	453	437	134	56	95	67
16	103	280	2110	250	3650	1570	447	460	166	139	151	101
17	107	249	2180	245	4880	1360	350	522	111	92	97	101
18	175	190	2130	208	5590	1320	422	420	187	76	34	67
19	147	197	1790	257	6680	1200	387	386	214	137	83	50
20	65	191	1840	222	6900	1010	387	362	151	78	105	81
21	111	188	1190	211	6680	1070	472	340	221	154	104	90
22	130	177	816	207	6240	780	447	312	227	738	76	67
23	100	175	726	217	5950	860	367	291	223	952	79	62
24	160	178	516	223	5270	788	502	271	286	1020	68	68
25	111	180	450	219	4660	872	666	255	271	792	88	70
26	128	178	410	248	4310	956	1090	241	400	570	82	102
27	146	175	380	318	3710	1200	1240	200	708	392	72	110
28	138	183	360	307	2980	1210	1130	168	777	282	80	78
29	138	254	345	293	2620	1280	1140	170	741	349	61	69
30	122	1020	396	286	---	1040	988	168	525	199	54	110
31	126	---	402	279	---	1170	---	190	---	275	66	---
TOTAL	3763	7355	34803	8731	82392	71176	19540	12930	7529	11064	3772	2053
MEAN	121	245	1123	282	2841	2296	651	417	251	357	122	68.4
MAX	175	1020	2240	460	6900	5880	1240	723	777	1020	264	110
MIN	65	129	345	205	160	780	350	168	105	56	34	29
CFSM	.16	.32	1.47	.37	3.72	3.01	.85	.55	.33	.47	.16	.09
IN.	.18	.36	1.70	.43	4.02	3.47	.95	.63	.37	.54	.18	.10

CAL YR 1975 TOTAL 267102 MEAN 732 MAX 3270 MIN 65 CFSM .96 IN 13.02
WTR YR 1976 TOTAL 265108 MEAN 724 MAX 6900 MIN 29 CFSM .95 IN 12.93

04180000 **Cedar Creek near** Cedarville, Ind.

LOCATION.--Lat 41°13'08", long 85°04'35", in NW¼NW¼ sec.19, T.32 N., R.13 E., Allen County, on left bank at downstream side of bridge on State Highway 427, 3 miles (5 km) northwest of Cedarville, 5.8 miles (9.3 km) upstream from mouth, and 10 miles (16 km) south of Auburn.

DRAINAGE AREA.--270 mi^2 (699 km^2).

PERIOD OF RECORD.--October 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is 780.09 ft (237.771 m) above mean sea level. Prior to Nov. 4, 1947, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--30 years, 236 ft^3/s (6.684 m^3/s), 11.87 in/yr (301 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,500 ft^3/s (99.1 m^3/s) Feb. 17, gage height, 9.57 ft (2.92 m); minimum daily, 23 ft^3/s (0.65 m^3/s) Sept. 6, 7, 13, 14, 25.
Period of record: Maximum discharge, 4,870 ft^3/s (138 m^3/s) Apr. 5, 1950, gage height, 11.67 ft (3.557 m); minimum daily, 13 ft^3/s (0.37 m^3/s) Oct. 3, 1949.

REMARKS.--Records good.

REVISIONS.--WSP 1912: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	42	862	140	95	693	257	173	246	100	101	29
2	38	42	503	130	88	1170	241	158	205	84	82	27
3	37	43	323	120	82	1160	225	144	139	70	71	27
4	37	47	236	110	78	1350	217	130	110	59	63	27
5	35	48	193	100	76	1860	209	120	96	55	58	25
6	34	47	191	105	70	1850	201	117	84	55	65	23
7	35	59	223	110	66	1150	190	152	79	56	141	23
8	36	71	186	107	64	775	178	141	73	64	113	24
9	41	60	165	102	80	599	166	124	68	50	86	31
10	42	58	150	98	96	503	160	114	64	46	72	53
11	39	63	135	94	784	440	158	108	61	41	62	31
12	36	60	126	90	1100	424	151	100	61	38	57	27
13	34	56	127	90	1580	544	143	96	56	37	56	23
14	37	52	136	89	1980	421	141	94	53	36	55	23
15	36	48	835	90	1600	369	137	124	51	38	47	25
16	36	45	1190	85	1870	346	134	271	51	44	43	30
17	36	44	739	82	3010	327	130	238	50	36	42	33
18	37	45	438	80	3270	303	124	195	48	33	40	28
19	48	44	320	78	2510	292	122	155	68	32	38	26
20	46	45	237	76	1670	278	119	133	70	32	37	29
21	44	53	196	74	1460	273	121	116	59	70	36	29
22	43	51	150	74	2430	246	121	104	55	223	34	27
23	43	46	140	72	2190	232	114	94	53	193	32	25
24	41	44	130	72	1390	225	121	88	66	223	33	24
25	46	48	115	72	990	292	319	86	160	157	33	23
26	50	48	108	116	778	357	587	83	173	117	33	33
27	43	48	102	138	627	329	392	79	118	99	32	42
28	45	47	98	157	522	414	279	75	90	84	32	32
29	45	105	97	120	446	354	225	73	77	174	30	28
30	43	747	112	108	---	320	196	77	84	181	28	27
31	42	---	143	101	---	284	---	128	---	129	29	---
TOTAL	1245	2256	8706	3080	31002	18180	5878	3890	2668	2656	1681	854
MEAN	40.2	75.2	281	99.4	1069	586	196	125	88.9	85.7	54.2	28.5
MAX	50	747	1190	157	3270	1860	587	271	246	223	141	53
MIN	34	42	97	72	64	225	114	73	48	32	28	23
CFSM	.15	.28	1.04	.37	3.96	2.17	.73	.46	.33	.32	.20	.11
IN.	.17	.31	1.20	.42	4.27	2.50	.81	.54	.37	.37	.23	.12

CAL YR 1975 TOTAL 96859 MEAN 265 MAX 1910 MIN 34 CFSM .98 IN 13.35
WTR YR 1976 TOTAL 82096 MEAN 224 MAX 3270 MIN 23 CFSM .83 IN 11.31

PEAK DISCHARGE (BASE, 2,000 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-14	1300	6.69	2,050	02-22	1900	7.80	2,600
02-17	2400	9.57	3,500	03-06	0100	6.81	2,110

04181500 St. Marys River at Decatur, Ind.

LOCATION.--Lat 40°50'55", long 84°56'16", in SW¼SW¼ sec.27, T.28 N., R.14 E., Adams County, on right bank 10 ft (3 m) downstream from bridge on U.S. Highway 27, 0.5 mile (0.8 km) upstream from Holthouse ditch, 1.3 miles (2.1 km) north of Decatur, and at mile 29.1 (46.8 km).

DRAINAGE AREA.--621 mi^2 (1,608 km^2).

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 mile (0.8 km) upstream January 1932 to November 1954, and at present site thereafter are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 760.44 ft (231.782 m) above mean sea level. Prior to July 27, 1948, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--30 years, 496 ft^3/s (13.99 m^3/s), 10.85 in/yr (276 mm/yr).

EXTREMES.--Current year: Maximum discharge, 8,090 ft^3/s (229 m^3/s) Feb. 18, gage height, 22.26 ft (6.785 m); minimum daily, 24 ft^3/s (0.68 m^3/s) Oct. 16.
Period of record: Maximum discharge, 11,300 ft^3/s (320 m^3/s) Feb. 10, 11, 1959; maximum gage height, 24.22 ft (7.382 m) Feb. 10, 1959 (ice jam); minimum daily discharge, 5.4 ft^3/s (0.15 m^3/s) Oct. 18, 1960.

REMARKS.--Records good except those for December and January, which are poor. Flow regulated by Grand Lake. Slight diversion from or into Wabash River basin and into Miami and Erie Canal.

REVISIONS (WATER YEARS).--WSP 1174: 1948. WSP 1337: 1947. WSP 1627: 1950. WSP 1912: 1955, drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	71	1350	800	990	305	222	157	709	241	31	28
2	59	71	723	680	600	289	197	128	1240	154	29	28
3	45	88	516	700	400	706	168	105	823	122	28	27
4	38	89	413	600	310	2570	150	85	681	105	26	26
5	35	97	309	560	272	4060	137	68	712	85	26	26
6	31	100	349	480	212	4170	128	65	665	63	33	26
7	28	103	501	460	181	3520	119	328	463	53	65	27
8	30	115	329	550	160	2900	106	432	252	83	47	28
9	34	105	277	480	153	2020	96	293	150	54	33	32
10	41	213	260	420	650	1240	88	267	109	43	31	36
11	41	346	231	320	3640	796	86	231	91	42	37	35
12	37	254	221	260	4120	559	80	143	79	42	36	27
13	35	218	416	240	4270	439	70	122	67	37	69	26
14	32	165	531	960	4200	330	66	103	60	31	65	25
15	30	125	1830	1030	3540	286	66	97	54	32	40	33
16	24	103	2610	860	3570	261	66	93	62	35	101	43
17	31	91	1960	780	6640	249	66	86	72	36	215	51
18	391	78	1400	660	7990	223	63	76	52	30	186	99
19	1450	68	1000	480	7590	270	60	75	55	29	125	43
20	1210	64	920	400	6080	306	62	84	83	30	91	31
21	922	63	860	325	4460	820	63	80	83	39	63	28
22	812	61	650	275	3780	569	65	70	121	41	49	30
23	678	54	400	240	2870	457	63	62	190	37	41	32
24	480	50	270	210	1810	472	65	56	260	41	36	30
25	303	49	190	210	1340	456	206	52	693	32	32	26
26	196	48	230	570	1080	364	440	48	436	28	31	29
27	142	49	210	1800	795	295	322	44	268	36	31	29
28	116	49	150	1600	572	260	213	41	243	46	30	30
29	102	78	120	1500	409	226	218	39	208	96	28	26
30	90	795	130	1600	---	253	198	49	189	56	28	26
31	78	---	440	1700	---	256	---	170	---	38	28	---
TOTAL	7584	3860	19796	21750	72684	29927	3949	3749	9170	1837	1711	983
MEAN	245	129	639	702	2506	965	132	121	306	59.3	55.2	32.8
MAX	1450	795	2610	1800	7990	4170	440	432	1240	241	215	99
MIN	24	48	120	210	153	223	60	39	52	28	26	25
CFSM	.39	.21	1.03	1.13	4.04	1.55	.21	.19	.49	.10	.09	.05
IN.	.45	.23	1.19	1.30	4.35	1.79	.24	.22	.55	.11	.10	.06

CAL YR 1975 TOTAL 200685 MEAN 550 MAX 5540 MIN 24 CFSM .89 IN 12.02
WTR YR 1976 TOTAL 177000 MEAN 484 MAX 7990 MIN 24 CFSM .78 IN 10.60

PEAK DISCHARGE (BASE, 2,900 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-14	0200	19.16	4,430	03-05	2200	19.16	4,430
02-18	1000	22.26	8,090				

04182000 St. Marys River near Fort Wayne, Ind.

LOCATION.--Lat 40°59'16", long 85°06'03", in A. LaFontaine Reserve, T.29 N., R.12 E., Allen County, on left bank 130 ft (40 m) downstream from highway bridge on Anthony Boulevard, 5 miles (8 km) south of Fort Wayne, and 10.8 miles (17.4 km) upstream from mouth.

DRAINAGE AREA.--762 mi^2 (1,974 km^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 in the District office.

GAGE.--Water-stage recorder. Datum of gage is 748.97 ft (228.286 m) above mean sea level (levels by State of Indiana, Department of Natural Resources). Prior to Apr. 13, 1939, nonrecording gage on highway bridge at same datum.

AVERAGE DISCHARGE.--46 years, 570 ft^3/s (16.14 m^3/s), 10.16 in/yr (258 mm/yr).

EXTREMES.--Current year: Maximum discharge, 8,860 ft^3/s (251 m^3/s) Feb. 19, gage height, 15.75 ft (4.801 m); minimum daily, 19 ft^3/s (0.54 m^3/s) Sept. 23.
Period of record: Maximum discharge, 13,600 ft^3/s (385 m^3/s) Feb. 11, 1959; maximum gage height, 19.42 ft (5.919 m) Feb. 11, 1959 (ice jam); minimum daily discharge, 3.4 ft^3/s (0.10 m^3/s) Oct. 19, 1934.

REMARKS.--Records good. The flow is sometimes regulated by Grand Lake. Slight diversion from or into Wabash River basin and into Miami and Erie Canal.

REVISIONS (WATER YEARS).--WSP 974: 1942. WSP 1337: 1933, 1947. WSP 1912: 1954, 1955, 1960, drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	89	2010	968	1500	413	266	193	554	224	49	22
2	59	86	1150	857	800	344	238	158	1420	218	43	22
3	68	86	683	900	500	907	209	129	913	144	42	21
4	55	98	541	780	390	3620	187	104	698	120	41	20
5	50	98	431	680	320	4910	171	84	706	103	40	21
6	48	110	495	580	270	4560	159	80	687	84	46	25
7	45	152	752	570	240	3650	149	403	524	70	57	26
8	43	206	508	600	220	2440	138	531	320	66	84	27
9	48	156	396	600	200	1410	123	360	197	81	64	33
10	54	242	371	500	550	916	111	317	134	62	49	39
11	60	446	338	370	4600	673	105	251	107	53	46	41
12	60	364	336	300	5800	531	102	183	92	52	52	40
13	55	293	408	330	6100	408	94	135	80	52	60	28
14	53	235	729	760	5700	350	87	108	70	47	92	25
15	52	177	2310	1200	5210	326	85	95	63	42	81	24
16	50	139	3700	1000	5050	316	86	89	64	42	57	31
17	48	118	3050	900	6350	289	82	83	68	46	148	44
18	80	102	1750	700	7770	323	78	74	73	47	220	54
19	1440	89	1200	560	8760	348	74	66	63	41	162	72
20	1600	84	1100	470	8130	630	76	66	62	38	111	38
21	1120	84	1060	380	7090	781	77	68	84	42	79	24
22	946	80	784	325	6200	516	80	66	83	50	58	20
23	817	74	457	290	4720	473	78	59	154	53	45	19
24	661	67	330	270	2920	497	80	54	213	48	38	21
25	423	64	232	270	1770	474	253	49	551	50	33	21
26	292	63	280	1000	1360	394	541	48	596	43	29	22
27	202	64	250	2200	1030	359	396	43	334	42	27	22
28	156	63	180	2100	757	312	262	40	265	48	27	24
29	128	98	146	1800	551	285	268	39	240	75	25	23
30	113	1040	162	2000	---	301	243	45	211	100	22	21
31	97	---	560	2100	---	297	---	117	---	66	21	---
TOTAL	8980	5067	26699	26360	94858	32053	4898	4137	9626	2249	1948	870
MEAN	290	169	861	850	3271	1034	163	133	321	72.5	62.8	29.0
MAX	1600	1040	3700	2200	8760	4910	541	531	1420	224	220	72
MIN	43	63	146	270	200	285	74	39	62	38	21	19
CFSM	.38	.22	1.13	1.12	4.29	1.36	.21	.17	.42	.10	.08	.04
IN.	.44	.25	1.30	1.29	4.63	1.56	.24	.20	.47	.11	.10	.04

CAL YR 1975 TOTAL 250025 MEAN 685 MAX 6010 MIN 34 CFSM .90 IN 12.21
WTR YR 1976 TOTAL 217745 MEAN 595 MAX 8760 MIN 19 CFSM .78 IN 10.63

PEAK DISCHARGE (BASE, 4,000 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-13	1700	14.25	6,960	03-05	1600	12.00	5,160
02-19	0900	15.75	8,860				

04182590 Harber ditch at Fort Wayne, Ind.

LOCATION.--Lat 41°00'27", long 85°10'58", in NE¼SW¼ sec.33, T.30 N., R.12 E., Allen County, on left bank 50 ft (15 m) upstream from bridge on Baer Road, at Fort Wayne, 3.2 miles (5.1 km) upstream from mouth. The stream name changes to Fairfield ditch 0.7 mile (1.1 km) downstream at bridge on Lower Huntington Road.

DRAINAGE AREA.--21.9 mi^2 (56.7 km^2).

PERIOD OF RECORD.--May 1964 to current year. Discharge measurements available October 1960 to May 1964 and gage heights January 1961 to May 1964 at site 0.7 mile (1.1 km) downstream.

GAGE.--Water-stage recorder. Datum of gage is 757.00 ft (230.734 m) above mean sea level.

AVERAGE DISCHARGE.--12 years, 18.9 ft^3/s (0.535 m^3/s), 11.72 in/yr (298 mm/yr).

EXTREMES.--Current year: Maximum discharge, 550 ft^3/s (15.6 m^3/s) Feb. 16, gage height, 10.50 ft (3.200 m), minimum daily, 0.09 ft^3/s (0.003 m^3/s) Oct. 5, Sept. 4.
Period of record: Maximum discharge, 728 ft^3/s (20.6 m^3/s) Feb. 20, 1971, gage height, 11.55 ft (3.520 m); minimum daily, 0.06 ft^3/s (0.002 m^3/s) Oct. 27, 1974.

REMARKS.--Records fair, except those for winter periods, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.30	14	86	30	8.0	30	18	4.3	10	5.5	.62	.11
2	1.1	12	41	25	5.6	41	13	3.6	23	3.0	.42	.18
3	.11	1.9	29	30	4.5	84	9.3	1.7	10	1.3	.23	.10
4	.10	.85	24	15	3.7	437	9.9	1.1	3.9	.73	.23	.09
5	.09	.98	20	8.4	3.4	256	6.4	.95	1.7	.42	.35	.10
6	.11	.62	52	4.7	3.0	95	5.5	21	1.1	.85	29	.11
7	.10	46	46	4.0	2.9	58	4.3	38	1.0	.35	7.3	.11
8	4.4	29	31	3.6	2.7	39	1.9	20	.98	.35	1.9	.11
9	1.5	10	30	3.3	2.5	30	1.5	10	.98	.51	.99	19
10	.98	43	27	3.0	154	25	1.3	5.0	.98	.30	.51	2.4
11	.98	24	24	2.9	427	21	2.4	3.0	.85	2.6	.51	.18
12	.62	12	26	2.8	209	25	1.5	1.7	.73	.73	1.1	.11
13	.51	4.3	32	8.0	216	25	.85	1.5	.73	.45	9.7	.28
14	.51	1.5	33	21	98	19	1.1	2.4	.51	.37	.73	.35
15	.85	.62	352	12	97	21	1.3	3.0	3.8	7.1	.73	.23
16	.85	.62	133	7.5	252	25	1.1	1.3	14	.99	.28	.18
17	1.5	.62	61	5.8	321	22	.90	8.9	2.4	.45	.23	.51
18	19	1.3	32	5.0	122	20	.75	.85	12	.35	.14	.42
19	39	1.3	22	4.5	88	26	.70	.80	48	.30	.22	.28
20	24	13	14	4.0	66	25	.68	.70	9.3	.27	.18	1.1
21	13	11	8.0	3.7	197	22	1.1	.60	10	21	.11	.18
22	6.8	5.5	6.2	3.4	129	14	.80	.58	11	1.7	.10	.11
23	3.9	2.7	5.1	3.2	67	12	3.5	.56	7.8	.35	.28	.10
24	1.3	3.6	4.4	3.0	56	14	18	.54	62	.28	.11	.10
25	5.9	7.8	4.1	20	52	28	77	.52	49	.28	.23	.14
26	3.9	3.9	3.8	70	45	24	74	.51	24	.23	.35	22
27	3.6	5.5	3.6	50	38	37	28	.50	13	12	.73	2.7
28	2.7	11	3.5	35	36	28	22	.48	9.3	13	.51	.35
29	4.3	48	3.4	23	35	27	7.8	.50	8.3	15	.11	.14
30	3.9	168	14	17	---	24	5.0	8.6	11	2.7	.14	.23
31	1.7	---	35	12	---	19	---	7.3	---	7.6	.62	---
TOTAL	147.61	484.61	1206.1	440.8	2741.3	1573	319.58	150.49	351.36	101.06	58.66	52.00
MEAN	4.76	16.2	38.9	14.2	94.5	50.7	10.7	4.85	11.7	3.26	1.89	1.73
MAX	39	168	352	70	427	437	77	38	62	21	29	22
MIN	.09	.62	3.4	2.8	2.5	12	.68	.48	.51	.23	.10	.09
CFSM	.22	.74	1.78	.65	4.32	2.32	.49	.22	.53	.15	.09	.08
IN.	.25	.82	2.05	.75	4.66	2.67	.54	.26	.60	.17	.10	.09

CAL YR 1975 TOTAL 7934.85 MEAN 21.7 MAX 352 MIN .08 CFSM .99 IN 13.48
WTR YR 1976 TOTAL 7626.57 MEAN 20.8 MAX 437 MIN .09 CFSM .95 IN 12.95

PEAK DISCHARGE (BASE, 250 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-15	0700	9.86	477	02-21	1100	7.69	293
02-10	2400	10.35	531	03-04	1300	10.31	526
02-16	2300	10.50	550				

04183000 Maumee River at New Haven, Ind.

LOCATION.--Lat 41°05'06", long 85°01'20", in SE¼NE¼ sec.2, T.30 N., R.13 E., Allen County, on left bank 600 ft (183 m) upstream from bridge on Landin Road, 1,400 ft (427 m) upstream from the Wabash Railroad bridge, 1.1 miles (1.8 km) northwest of New Haven, 2.8 miles (4.5 km) upstream from Sixmile Creek.

DRAINAGE AREA.--1,967 mi^2 (5,095 km^2).

PERIOD OF RECORD.--December 1946 to September 1956 (high-water records only), October 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is 724.51 ft (220.831 m) above mean sea level. Prior to Sept. 7, 1956, nonrecording gage and Sept. 7, 1956, to Sept. 14, 1965, water-stage recorder at site 500 ft (152 m) downstream at same datum.

AVERAGE DISCHARGE.--20 years (1956 to current year), 1,594 ft^3/s (45.1 m^3/s), 11.00 in/yr (279 mm/yr).

EXTREMES.--Current year: Maximum discharge, 17,900 ft^3/s (507 m^3/s) Feb. 20, gage height, 21.32 ft (6.498 m); minimum daily, 93 ft^3/s (2.63 m^3/s) Sept. 7.
Period of record: Maximum discharge, 19,100 ft^3/s (541 m^3/s) Feb. 16, 1950, gage height, 21.4 ft (6.523 m) at site then in use; minimum daily, 48 ft^3/s (1.36 m^3/s) Oct. 6, 13, 1963.

REMARKS.--Records good. Flow regulated by hydro-powerplant on the St. Joseph River 10.3 miles (16.6 km) upstream from station. Flow slightly regulated by upstream reservoirs.

REVISIONS.--WSP 2112: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	276	282	5290	1720	1800	3350	1810	1340	782	749	582	109
2	194	321	4190	1680	1300	4120	1400	952	1790	1030	273	118
3	247	297	3350	1750	950	5310	1430	944	1700	1100	352	116
4	256	331	3090	1750	660	8980	1310	676	1210	776	316	110
5	176	444	2830	1270	580	11800	1190	784	906	605	128	104
6	252	366	3120	1100	510	12700	1130	795	902	435	608	97
7	264	622	3070	950	460	12700	1080	1050	886	489	293	93
8	199	573	2500	850	430	11200	1020	1160	623	567	339	114
9	334	477	1990	760	400	9120	916	1190	466	516	503	182
10	275	699	1810	730	1000	6940	886	1330	414	328	275	245
11	194	955	1530	700	6020	5180	843	1200	248	307	204	146
12	203	886	1380	665	7390	4090	826	1060	311	344	213	111
13	244	798	1360	652	9540	3920	741	723	237	206	239	110
14	238	769	1490	751	11400	3200	774	763	259	297	279	119
15	216	528	6490	1260	10700	2610	701	826	217	264	234	119
16	212	487	7930	1170	11100	2470	736	888	386	263	214	140
17	234	502	6870	940	14500	2250	621	921	325	252	266	199
18	317	382	5050	800	16100	1950	602	1020	255	140	275	195
19	1330	348	3640	750	17500	2000	594	643	622	223	257	155
20	1770	455	3240	660	17600	1910	527	635	342	140	254	165
21	1400	386	2960	580	17000	1850	704	652	355	566	236	176
22	1110	358	2060	533	16900	2210	744	465	414	707	182	147
23	930	339	1540	469	15100	1670	678	577	437	1430	152	124
24	866	334	1270	470	12200	1720	869	402	869	1380	145	121
25	821	380	941	541	8830	1760	2530	435	1070	1270	125	126
26	500	340	840	1230	7130	1900	2280	453	992	869	159	386
27	414	367	800	2730	5940	1980	2350	388	1430	753	128	507
28	392	324	740	3090	4790	2180	2120	320	1300	582	130	105
29	371	775	745	2480	3980	2070	1850	379	1220	972	130	116
30	351	3610	770	2380	---	1950	1790	350	1060	670	115	120
31	245	---	1160	2200	---	1700	---	526	---	402	109	---
TOTAL	14831	17735	84046	37611	221810	136790	35052	23847	22028	18632	7715	4675
MEAN	478	591	2711	1213	7649	4413	1168	769	734	601	249	156
MAX	1770	3610	7930	3090	17600	12700	2530	1340	1790	1430	608	507
MIN	176	282	740	469	400	1670	527	320	217	140	109	93
CFSM	.24	.30	1.38	.62	3.89	2.24	.59	.39	.37	.31	.13	.08
IN.	.28	.34	1.59	.71	4.19	2.59	.66	.45	.42	.35	.15	.09

CAL YR 1975 TOTAL 708098 MEAN 1940 MAX 11100 MIN 176 CFSM .99 IN 13.39
WTR YR 1976 TOTAL 624772 MEAN 1707 MAX 17600 MIN 93 CFSM .87 IN 11.82

PEAK DISCHARGE (BASE, 9,500 FT^3/S).--Feb. 20 (0200) 17,900 ft^3/s (21.32 ft); Mar. 7 (0400) 13,000 ft^3/s (18.30 ft).

04183500 Maumee River at Antwerp, Ohio

LOCATION.--Lat 41°11'56", long 84°44'40", in sec.22, T.3 N., R.1 E., Paulding County, on left bank 425 ft (130 m) downstream from bridge on State Highway 49, 1 mile (2 km) north of Antwerp, 7 miles (11 km) downstream from Indiana-Ohio state line and 10 miles (16 km) upstream from Marie DeLarme Creek.

DRAINAGE AREA.--2,129 mi^2 (5,514 km^2).

PERIOD OF RECORD.--September 1921 to December 1935, April 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 694.90 ft (211.805 m) above mean sea level. Prior to Sept. 13, 1925, nonrecording gage at site 400 ft (122 m) upstream at same datum.

AVERAGE DISCHARGE.--51 years, 1,682 ft^3/s (47.63 m^3/s), 10.73 in/yr (273 mm/yr).

EXTREMES.--Current year: Maximum discharge, 18,200 ft^3/s (515 m^3/s) Feb. 22, gage height, 18.17 ft (5.538 m); minimum daily, 98 ft^3/s (2.78 m^3/s) Sept. 8.
Period of record: Maximum discharge, 26,200 ft^3/s (742 m^3/s) May 20, 1943, gage height, 20.29 ft (6.184 m); minimum daily, 26 ft^3/s (0.74 m^3/s) July 24, 1933.
Flood of Mar. 27, 1913, estimated as 40,000 ft^3/s (1,130 m^3/s).

REMARKS.--Records good. Low flow slightly regulated by powerplant at Fort Wayne, Ind., 32 miles (51 km) upstream. Flow slightly regulated by upstream reservoirs.

REVISIONS (WATER YEARS).--WSP 1174: 1927, 1933, 1940. WSP 1387: 1922-23, 1925-27, 1934. WRD Ohio 1970: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	321	300	5380	1470	2000	3470	1770	1610	613	1030	480	122
2	301	325	4820	1780	1500	3550	1510	1250	1140	793	533	119
3	244	347	3540	1710	1200	4850	1410	1090	1960	1180	329	130
4	270	326	3120	1830	900	8260	1240	961	1490	1070	358	131
5	267	378	2880	1630	720	12400	1280	770	1180	776	338	121
6	234	454	2950	1200	620	13500	1080	836	983	613	206	115
7	272	410	3440	1100	560	13700	1060	1120	966	462	622	107
8	285	768	2760	980	500	13100	1020	1220	908	546	333	98
9	271	620	2260	900	450	11000	919	1330	617	620	397	117
10	362	579	1970	850	900	8150	869	1330	490	507	482	200
11	287	925	1740	800	4000	5860	802	1370	428	350	315	273
12	245	1060	1540	760	10600	4400	829	1270	309	350	244	185
13	246	918	1540	740	13700	3910	733	900	345	357	253	135
14	240	858	1510	780	13100	3530	681	873	283	250	275	123
15	273	769	5400	950	12700	2730	728	798	292	321	303	131
16	258	525	9330	1300	12300	2550	650	1140	295	314	264	166
17	255	524	7910	1000	14800	2300	670	1020	405	301	247	171
18	273	495	6030	900	16300	2030	529	1010	354	284	290	222
19	426	415	4220	820	17200	1990	566	1010	355	184	302	238
20	1720	388	3250	750	17700	1920	526	718	633	247	285	185
21	1640	464	3200	700	17800	1710	511	705	371	211	277	198
22	1390	419	2660	640	18100	2150	668	651	393	681	262	203
23	1160	380	1900	600	17000	1770	690	545	435	1130	214	188
24	974	367	1630	560	15100	1640	610	582	491	1350	175	151
25	892	375	1210	820	11500	1670	1920	451	1170	1420	175	142
26	791	400	1060	1300	7970	1800	2990	475	1170	1150	147	165
27	539	384	940	2500	6390	1840	2260	505	1230	929	178	444
28	435	394	880	3600	5230	2130	2230	410	1360	730	157	493
29	409	400	800	3200	4070	2070	1900	380	1350	887	146	163
30	387	2490	779	2800	---	2020	1850	418	1290	801	149	127
31	373	---	1020	2400	---	1680	---	527	---	614	135	---
TOTAL	16040	17457	91669	41370	244910	143680	34501	27275	23306	20458	8871	5363
MEAN	517	582	2957	1335	8445	4635	1150	880	777	660	286	179
MAX	1720	2490	9330	3600	18100	13700	2990	1610	1960	1420	622	493
MIN	234	300	779	560	450	1640	511	380	283	184	135	98
CFSM	.24	.27	1.39	.63	3.97	2.18	.54	.41	.36	.31	.13	.08
IN.	.28	.31	1.60	.72	4.28	2.51	.60	.48	.41	.36	.16	.09

CAL YR 1975 TOTAL 747215 MEAN 2047 MAX 12000 MIN 229 CFSM .96 IN 13.06
WTR YR 1976 TOTAL 674900 MEAN 1844 MAX 18100 MIN 98 CFSM .87 IN 11.79

PEAK DISCHARGE (BASE, 8,000 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-16	0600	12.76	9,690	02-22	0200	18.17	18,200
02-13	1200	16.01	14,400	03-07	1400	15.60	13,800

05515000 Kankakee River near North Liberty, Ind.

LOCATION.--Lat 41°33'50", long 86°29'50", in NW¼NE¼ sec.23, T.36 N., R.1 W., St. Joseph County, on left bank at downstream side of bridge on county highway named "New Road", 2.7 miles (4.3 km) upstream from Little Kankakee River, 4 miles (6 km) northwest of North Liberty, and at mile 126.9 (204.2 km).

DRAINAGE AREA.--174 mi^2 (451 km^2), of which 58.2 mi^2 (150.7 km^2) does not contribute directly to surface runoff.

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

GAGE.--Water-stage recorder. Datum of gage is 680.04 ft (207.276 m) above mean sea level (levels by State of Indiana, Department of Natural Resources). Prior to June 26, 1956, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--25 years, 147 ft^3/s (4.163 m^3/s), 11.47 in/yr (291 mm/yr).

EXTREMES.--Current year: Maximum discharge, 666 ft^3/s (18.9 m^3/s) Mar. 5, gage height, 8.38 ft (2.554 m); minimum daily, 70 ft^3/s (1.98 m^3/s) Feb. 8.
Period of record: Maximum discharge, 686 ft^3/s (19.4 m^3/s) Oct. 10, 1954; maximum gage height, 9.04 ft (2.755 m) June 27, 1968; minimum daily discharge, 46 ft^3/s (1.30 m^3/s) Sept. 9, 10, 1964.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1915: 1952, 1956-59. WSP 2115: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	85	241	123	96	372	222	185	175	343	145	88
2	88	83	186	124	96	472	222	180	167	263	135	87
3	86	82	159	128	115	513	210	179	159	225	130	85
4	86	79	146	126	99	542	202	172	152	200	124	83
5	86	79	139	124	92	636	194	164	147	185	121	80
6	85	76	156	115	92	627	188	231	144	175	150	78
7	85	84	172	115	90	546	182	475	135	167	211	76
8	84	82	155	112	70	467	176	403	129	166	175	75
9	84	81	145	131	84	418	172	330	131	157	157	86
10	84	83	137	142	104	375	170	279	130	146	147	102
11	84	82	132	121	166	335	167	245	126	139	140	95
12	84	82	129	110	181	318	163	223	123	134	134	88
13	85	85	136	111	232	323	160	210	123	126	130	85
14	84	93	161	110	223	301	156	201	125	121	131	83
15	84	96	243	108	221	282	154	198	123	133	132	81
16	84	93	248	109	255	264	150	201	125	151	124	80
17	82	89	202	105	371	245	147	193	120	139	120	81
18	83	86	175	104	353	232	145	184	129	130	115	79
19	86	84	160	103	312	225	147	176	173	122	110	78
20	86	87	153	104	261	222	146	169	164	118	107	79
21	85	98	141	101	339	263	147	164	150	129	102	80
22	84	105	135	103	463	239	146	160	145	154	96	79
23	83	105	132	103	386	224	141	158	151	168	96	78
24	79	100	128	103	329	214	159	155	168	167	93	76
25	93	95	127	102	290	205	226	153	253	152	93	77
26	91	91	126	102	260	198	307	150	220	141	95	89
27	86	94	124	99	237	245	260	148	188	133	99	106
28	87	88	121	100	220	308	229	148	175	129	99	99
29	85	127	120	101	208	267	209	167	170	155	94	94
30	84	268	123	100	---	246	195	180	338	147	88	92
31	84	---	125	98	---	226	---	181	---	151	88	---
TOTAL	2639	2862	4777	3437	6245	10350	5492	6362	4758	4966	3781	2539
MEAN	85.1	95.4	154	111	215	334	183	205	159	160	122	84.6
MAX	93	268	248	142	463	636	307	475	338	343	211	106
MIN	79	76	120	98	70	198	141	148	120	118	88	75
CFSM	.49	.55	.89	.64	1.24	1.92	1.05	1.18	.91	.92	.70	.49
IN.	.56	.61	1.02	.73	1.34	2.21	1.17	1.36	1.02	1.06	.81	.54

CAL YR 1975 TOTAL 55285 MEAN 151 MAX 491 MIN 49 CFSM .87 IN 11.82
WTR YR 1976 TOTAL 58208 MEAN 159 MAX 636 MIN 70 CFSM .91 IN 12.44

05515400 Kingsbury Creek near LaPorte, Ind.

LOCATION.--Lat 41°32'49", long 86°43'48", in SW¼SE¼ sec.23, T.36 N., R.3 W., LaPorte County, on left bank at upstream side of bridge on County Road 400 South, 0.5 mile (0.8 km) east of State Highway 39, 1.5 miles (2.4 km) west of U.S. Highway 35, and 3 miles (5 km) south of LaPorte city limits.

DRAINAGE AREA.--7.08 mi^2 (18.34 km^2), of which 4.07 mi^2 (10.54 km^2) does not contribute directly to surface runoff.

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

GAGE.--Water-stage recorder. Datum of gage is 753.00 ft (229.514 m) above mean sea level.

AVERAGE DISCHARGE.--6 years, 4.44 ft^3/s (0.126 m^3/s), 8.52 in/yr (216 mm/yr).

EXTREMES.--Current year: Maximum discharge, 41 ft^3/s (1.16 m^3/s) Mar. 5, gage height, 5.25 ft (1.600 m); minimum daily, 1.5 ft^3/s (0.042 m^3/s) Sept. 22-25.
Period of record: Maximum discharge, 44 ft^3/s (1.25 m^3/s) Apr. 22, 1973, gage height, 5.44 ft (1.658 m); minimum daily, 0.83 ft^3/s (0.024 m^3/s) Dec. 3, 1971.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	3.0	4.5	3.6	2.1	14	7.4	5.1	4.8	4.9	3.4	2.0
2	2.9	3.1	3.9	3.2	2.3	10	7.0	5.4	4.5	4.5	3.2	1.9
3	2.9	3.1	3.6	2.8	2.5	13	6.8	5.4	4.4	4.2	3.0	1.9
4	2.9	3.0	3.3	2.7	2.4	14	6.9	5.0	4.4	4.1	3.1	1.9
5	2.9	3.0	3.5	2.8	2.3	23	6.6	5.0	4.3	4.0	3.3	1.8
6	2.9	3.0	4.3	3.2	2.2	11	6.5	17	4.4	3.9	4.8	1.8
7	2.9	3.9	3.8	3.4	2.1	9.8	6.4	9.6	4.4	3.9	3.9	1.7
8	2.9	3.5	3.7	4.0	2.1	9.1	6.3	6.8	4.3	3.9	3.4	1.7
9	2.9	3.3	3.8	3.1	2.2	8.9	6.2	6.1	4.3	3.7	3.2	2.4
10	2.9	3.5	3.8	2.8	2.7	8.8	6.2	5.7	4.2	3.7	3.2	2.3
11	2.9	3.1	3.7	2.7	3.5	8.5	6.0	5.4	4.0	3.6	3.1	2.0
12	2.9	2.9	3.7	2.7	3.8	9.2	5.9	5.3	3.9	3.4	3.3	1.9
13	3.0	3.7	4.0	2.7	5.1	8.7	5.8	5.4	3.8	3.4	3.1	1.7
14	3.0	3.8	4.9	2.8	3.9	8.4	5.7	5.5	3.7	3.4	3.4	1.7
15	3.0	3.7	5.9	3.0	5.7	8.2	5.7	6.0	3.7	3.5	3.1	1.7
16	2.9	3.5	4.2	2.8	7.1	8.0	5.5	5.9	3.7	3.6	2.9	1.7
17	2.9	3.2	3.8	2.7	6.6	7.6	5.3	5.9	3.6	3.4	2.8	1.6
18	2.9	3.1	3.6	2.6	6.0	7.8	5.3	5.5	4.5	3.4	2.8	1.6
19	3.1	3.1	3.5	2.5	4.6	7.7	5.5	5.4	4.6	3.4	2.7	1.6
20	3.1	3.7	3.4	2.5	4.0	8.6	5.6	5.3	3.9	3.5	2.7	1.7
21	3.1	3.8	3.3	2.4	12	8.4	6.1	5.0	3.8	4.2	2.5	1.7
22	3.0	3.6	3.2	2.3	6.8	7.6	5.6	4.9	3.9	4.0	2.5	1.5
23	3.0	3.4	3.1	2.3	5.2	7.5	5.4	4.9	4.1	5.2	2.3	1.5
24	3.0	3.1	3.1	2.3	4.9	7.4	6.4	4.8	8.8	3.9	2.2	1.5
25	3.4	2.9	3.0	2.4	4.6	7.2	12	4.8	5.7	3.7	2.1	1.5
26	3.1	2.8	3.0	2.5	4.4	7.2	7.2	4.8	4.5	3.4	2.1	2.4
27	3.1	2.7	3.0	2.7	4.2	11	5.8	4.6	4.2	3.4	2.2	2.0
28	3.0	3.0	3.1	2.8	4.1	8.3	5.5	4.8	4.5	3.8	2.2	1.7
29	3.0	3.2	3.4	2.7	4.1	7.6	5.2	5.8	6.4	5.4	2.0	1.7
30	2.9	5.2	3.8	2.4	---	7.6	5.1	5.1	6.8	4.0	1.9	1.6
31	3.0	---	3.8	2.2	---	7.1	---	5.0	---	3.6	2.0	---
TOTAL	92.4	99.9	114.7	85.6	123.5	291.2	186.9	181.2	136.1	120.0	88.4	53.7
MEAN	2.98	3.33	3.70	2.76	4.26	9.39	6.23	5.85	4.54	3.87	2.85	1.79
MAX	3.4	5.2	5.9	4.0	12	23	12	17	8.8	5.4	4.8	2.4
MIN	2.9	2.7	3.0	2.2	2.1	7.1	5.1	4.6	3.6	3.4	1.9	1.5
CFSM	.42	.47	.52	.39	.60	1.33	.88	.83	.64	.55	.40	.25
IN.	.49	.52	.60	.45	.65	1.53	.98	.95	.72	.63	.46	.28

CAL YR 1975 TOTAL 1467.4 MEAN 4.02 MAX 19 MIN 2.0 CFSM .57 IN 7.71
WTR YR 1976 TOTAL 1573.6 MEAN 4.30 MAX 23 MIN 1.5 CFSM .61 IN 8.27

PEAK DISCHARGE (BASE, 15 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-21	1100	4.81	25	04-25	1000	4.31	17
03-01	0500	4.36	20	05-06	1700	4.84	28
03-05	0500	5.25	41	06-24	1700	4.21	16
03-27	1200	4.26	16				

05515500 Kankakee River at Davis, Ind.

LOCATION.--Lat 41°24'00", long 86°42'04", in SE¼NE¼ sec.13, T.34 N., R.3 W., Starke County, on left bank at downstream side of bridge on U.S. Highway 30 at Davis, 0.5 mile (0.8 km) downstream from Mill Creek, 4 miles (6 km) east of Hanna, and at mile 110.9 (178.4 km).

DRAINAGE AREA.--537 mi^2 (1,391 km^2), of which 137 mi^2 (355 km^2) 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.

GAGE.--Water-stage recorder. Datum of gage is 664.68 ft (202.594 m) above mean sea level. July 13, 1905, to July 21, 1906, non-recording gage at site 50 ft (15 m) downstream at different datum. July 28, 1925, to May 18, 1929, nonrecording gage on bridge 0.5 mile (0.8 km) downstream at different datum. Apr. 19, 1931, to Nov. 3, 1953, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--52 years, 1924 to current year, 492 ft^3/s (13.93 m^3/s), 12.45 in/yr (316 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,540 ft^3/s (43.8 m^3/s) Mar. 5, gage height, 12.41 ft (3.783 m); minimum daily, 299 ft^3/s (8.46 m^3/s) Sept. 8.
Period of record: Maximum discharge, 1,700 ft^3/s (48.1 m^3/s) Dec. 15, 1927, gage height, 9.50 ft (2,896 m), site and datum then in use, from rating curve extended above 520 ft^3/s (14.7 m^3/s); maximum gage height at present site and datum, 12.11 ft (3.691 m) Jan. 4, 1973; minimum daily discharge, 154 ft^3/s (4.36 m^3/s) Aug. 30 to Sept. 3, 1941.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1338: 1953. WSP 2115: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	350	319	929	541	412	1150	996	636	592	743	473	325
2	346	322	796	535	379	1400	952	617	587	654	444	325
3	343	321	673	535	484	1440	902	613	550	599	422	322
4	339	322	594	511	464	1450	858	594	525	567	435	318
5	336	314	552	521	422	1530	821	569	507	551	594	307
6	333	316	567	510	411	1520	780	651	491	526	616	304
7	330	332	621	488	393	1510	794	1140	483	510	537	302
8	330	344	607	469	445	1500	725	1310	472	489	487	299
9	330	335	577	458	393	1480	704	1210	463	468	458	324
10	327	337	553	524	421	1440	677	1050	458	455	443	364
11	325	340	532	482	622	1390	639	921	453	445	438	348
12	324	333	516	465	722	1360	619	790	443	429	442	328
13	321	340	514	456	827	1350	607	727	435	419	457	320
14	319	369	543	451	900	1320	595	701	437	448	436	314
15	317	378	777	438	847	1280	584	683	436	437	418	313
16	314	377	977	449	932	1230	571	687	449	416	400	310
17	315	367	893	434	1180	1180	553	672	441	400	390	314
18	311	355	766	431	1280	1130	541	647	440	396	378	310
19	319	346	693	422	1230	1090	545	620	566	422	373	307
20	325	350	657	431	1140	1070	542	596	591	433	364	318
21	325	389	621	415	1150	1080	547	581	531	457	358	321
22	318	401	586	424	1320	1050	550	561	515	511	355	317
23	314	396	568	428	1300	1020	533	548	595	475	343	316
24	312	389	552	425	1240	957	565	537	749	440	344	308
25	340	383	540	420	1180	927	665	530	717	421	344	310
26	352	370	536	418	1120	877	910	519	635	404	344	343
27	343	373	529	409	1050	961	904	510	597	608	344	404
28	333	366	517	401	987	1200	777	507	723	719	349	381
29	326	436	506	419	923	1180	711	548	974	612	337	361
30	319	794	520	411	---	1110	665	574	896	575	331	354
31	318	---	539	410	---	1040	---	578	---	514	327	---
TOTAL	10154	11114	19351	14131	24174	38222	20832	21427	16751	15543	12781	9787
MEAN	328	370	624	456	834	1233	694	691	558	501	412	326
MAX	352	794	977	541	1320	1530	996	1310	974	743	616	404
MIN	311	314	506	401	379	877	533	507	435	396	327	299
CFSM	.61	.69	1.16	.85	1.55	2.30	1.29	1.29	1.04	.93	.77	.61
IN.	.70	.77	1.34	.98	1.67	2.65	1.44	1.48	1.16	1.08	.89	.68

CAL YR 1975 TOTAL 203164 MEAN 557 MAX 1360 MIN 275 CFSM 1.04 IN 14.07
WTR YR 1976 TOTAL 214267 MEAN 585 MAX 1530 MIN 299 CFSM 1.09 IN 14.84

05516500 Yellow River at Plymouth, Ind.

LOCATION.--Lat 41°20'25", long 86°18'16", in SE¼NW¼ sec.13, T.33 N., R.2 E., Marshall County, on left bank 50 ft (15 m) upstream from LaPorte Street footbridge in Plymouth, 1.1 miles (1.8 km) downstream from Elmer Seltenright (formerly Baker) ditch, 8.1 miles (13.0 km) upstream from Wolf Creek, and at mile 40.3 (64.8 km).

DRAINAGE AREA.--294 mi^2 (761 km^2), of which 22 mi^2 (57 km^2) does not contribute directly to surface runoff.

PERIOD OF RECORD.--July 1948 to current year.

GAGE.--Water-stage recorder. Datum of gage is 764.78 ft (233.105 m) above mean sea level (levels by State of Indiana, Department of Natural Resources). Prior to Aug. 27, 1959, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--28 years, 251 ft^3/s (7.108 m^3/s), 11.59 in/yr (294 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,240 ft^3/s (63.4 m^3/s) Mar. 6, gage height, 13.14 ft (4.005 m); minimum daily, 37 ft^3/s (1.05 m^3/s) Oct. 16.
Period of record: Maximum discharge, 5,390 ft^3/s (153 m^3/s) Oct. 12, 13, 1954, gage height, 17.13 ft (5.221 m); minimum daily 13 ft^3/s (0.37 m^3/s) Dec. 3, 7, 1964.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1338: 1950-51. WSP 2115: Drainage area. WRD Ind. 1973: 1972(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	39	965	190	89	830	422	277	483	938	422	63
2	46	60	916	184	64	1450	379	246	611	700	260	61
3	43	86	504	205	89	1820	336	225	395	333	189	61
4	41	80	296	168	83	1960	310	198	230	236	154	60
5	40	70	248	175	83	2180	288	185	175	189	136	58
6	38	63	279	151	79	2230	268	236	147	206	186	57
7	38	61	423	146	82	2220	242	694	134	215	504	56
8	38	62	340	129	69	1930	218	1020	125	154	379	54
9	40	58	268	125	68	1410	200	848	116	132	233	72
10	41	57	236	120	112	955	189	519	111	115	164	77
11	38	53	211	115	605	681	184	369	105	106	140	70
12	38	52	193	114	963	548	171	293	102	100	130	62
13	38	50	200	113	1130	592	164	251	97	95	124	60
14	38	49	279	111	1260	615	164	228	94	92	167	60
15	38	47	623	101	1220	510	160	222	101	91	199	58
16	37	46	992	99	1190	438	156	237	156	93	152	58
17	38	45	1010	96	1610	384	149	329	159	92	120	60
18	38	44	613	92	1920	338	142	290	134	84	105	60
19	43	43	350	90	2060	321	140	218	243	81	96	58
20	44	47	274	86	1930	306	137	186	268	81	92	70
21	42	52	227	84	1610	301	145	167	170	98	89	67
22	41	56	190	95	1500	279	149	150	145	98	79	61
23	39	55	184	97	1620	303	138	141	186	131	76	58
24	38	51	170	95	1440	237	154	133	263	205	74	53
25	45	50	160	93	1070	231	434	125	688	127	71	51
26	44	49	158	90	754	221	859	121	912	102	71	58
27	43	48	155	88	543	456	941	119	646	92	69	76
28	41	49	141	86	438	1030	625	113	328	100	69	67
29	40	166	133	96	386	1150	413	126	298	485	68	58
30	39	700	147	93	---	850	324	149	648	836	67	54
31	38	---	177	91	---	562	---	305	---	644	65	---
TOTAL	1253	2388	11062	3618	24067	27338	8601	8720	8270	7051	4750	1838
MEAN	40.4	79.6	357	117	830	882	287	281	276	227	153	61.3
MAX	48	700	1010	205	2060	2230	941	1020	912	938	504	77
MIN	37	39	133	84	64	221	137	113	94	81	65	51
CFSM	.14	.27	1.21	.40	2.82	3.00	.98	.96	.94	.77	.52	.21
IN.	.16	.30	1.40	.46	3.05	3.46	1.09	1.10	1.05	.89	.60	.23

CAL YR 1975 TOTAL 101354 MEAN 278 MAX 1740 MIN 37 CFSM .95 IN 12.82
WTR YR 1976 TOTAL 108956 MEAN 298 MAX 2230 MIN 37 CFSM 1.01 IN 13.79

05517000 Yellow River at Knox, Ind.

LOCATION.--Lat 41°18'10", long 86°37'14", in SW¼SW¼ sec.14, T.33 N., R.2 W., Starke County, on right bank 40 ft (12 m) upstream from bridge on U.S. Highway 35 in Knox, 1.4 miles (2.3 km) downstream from Eagle Creek, and 11.6 miles (18.7 km) upstream from mouth.

DRAINAGE AREA.--435 mi^2 (1,127 km^2), of which 51 mi^2 (132 km^2) does not contribute directly to surface runoff.

PERIOD OF RECORD.--August 1905 to July 1906, August 1943 to current year.

GAGE.--Water-stage recorder. Datum of gage is 679.93 ft (207.243 m) above mean 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.

AVERAGE DISCHARGE.--33 years (1943 to current year), 387 ft^3/s (10.96 m^3/s), 12.08 in/yr (307 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,780 ft^3/s (78.7 m^3/s) Mar. 6, gage height, 9.90 ft (3.018 m); minimum daily, 120 ft^3/s (3.40 m^3/s) Sept. 25.
Period of record: Maximum discharge, 5,660 ft^3/s (160 m^3/s) Oct. 15, 16, 1954, gage height, 13.75 ft (4.191 m); minimum daily, 50 ft^3/s (1.42 m^3/s) Jan. 21-31, 1963.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1278: 1952. WSP 2115: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	164	141	650	358	216	820	875	533	517	797	639	142
2	158	145	1000	361	190	1130	736	485	640	920	465	140
3	153	157	900	359	161	1540	666	460	690	831	347	137
4	150	186	700	386	239	2030	619	432	518	504	289	136
5	148	182	498	298	209	2510	587	398	400	409	257	132
6	145	173	485	347	194	2710	549	406	343	369	259	128
7	143	168	526	339	180	2700	520	583	308	375	315	127
8	143	167	586	403	200	2620	481	831	289	358	486	126
9	145	165	515	353	186	2440	446	1020	272	308	402	142
10	145	163	453	330	200	2000	424	1030	255	280	306	162
11	140	164	417	300	427	1410	411	752	244	261	262	153
12	138	158	389	280	769	1060	394	570	235	249	242	143
13	138	160	379	264	1000	903	379	499	226	236	230	135
14	138	163	404	258	1160	880	372	465	219	223	229	130
15	135	160	591	258	1240	870	369	448	217	214	265	128
16	135	158	831	256	1360	786	362	436	248	209	283	126
17	135	154	981	250	1630	714	352	456	290	205	240	127
18	135	152	1060	240	1910	656	340	504	300	199	215	126
19	141	150	897	240	2060	615	332	462	374	191	200	126
20	145	154	569	232	2220	593	327	408	436	188	190	136
21	146	166	476	222	2280	579	330	376	403	204	184	139
22	145	171	418	221	2200	553	337	357	328	213	177	132
23	143	171	381	251	1880	523	332	338	313	215	171	125
24	141	167	368	228	1810	498	340	321	382	235	170	121
25	148	164	351	227	1730	483	427	308	635	272	168	120
26	155	161	342	229	1390	472	708	299	831	223	164	140
27	150	166	334	220	1040	565	920	290	931	199	161	162
28	148	161	322	220	825	892	1030	282	808	199	159	159
29	146	203	305	245	703	1110	864	283	523	241	155	149
30	143	450	308	224	---	1310	632	296	602	516	150	139
31	141	---	335	218	---	1150	---	343	---	725	147	---
TOTAL	4480	5200	16771	8617	29609	37122	15461	14671	12777	10568	7927	4088
MEAN	145	173	541	278	1021	1197	515	473	426	341	256	136
MAX	164	450	1060	403	2280	2710	1030	1030	931	920	639	162
MIN	135	141	305	218	161	472	327	282	217	188	147	120
CFSM	.33	.40	1.24	.64	2.35	2.75	1.18	1.09	.98	.78	.59	.31
IN.	.38	.44	1.43	.74	2.53	3.17	1.32	1.25	1.09	.90	.68	.35

CAL YR 1975 TOTAL 166741 MEAN 457 MAX 2420 MIN 135 CFSM 1.05 IN 14.26
WTR YR 1976 TOTAL 167291 MEAN 457 MAX 2710 MIN 120 CFSM 1.05 IN 14.31

PEAK DISCHARGE (BASE, 1,600 FT³/S).--Feb. 21 (1400) 2,300 ft^3/s (9.21 ft); Mar. 6 (1700) 2,780 ft^3/s (9.90 ft).

05517500 Kankakee River at Dunns Bridge, Ind.

LOCATION.--Lat 41°13'17", long 86°57'52", in NE¼SE¼ sec.15, T.32 N., R.5 W., Jasper County, on left bank at downstream side of county highway bridge at Dunns Bridge, 1.8 miles (2.9 km) north of Tefft, 3.6 miles (5.8 km) upstream from Davis ditch, and at mile 90.8 (146.1 km).

DRAINAGE AREA.--1,352 mi^2 (3,502 km^2), of which 192 mi^2 (497 km^2) does not contribute directly to surface runoff.

PERIOD OF RECORD.--July 1948 to current year.

GAGE.--Water-stage recorder. Datum of gage is 649.65 ft (198.013 m) above mean sea level (levels by State of Indiana, Department of Natural Resources). Prior to July 17, 1956, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--28 years, 1,292 ft^3/s (36.59 m^3/s), 12.98 in/yr (330 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,310 ft^3/s (122 m^3/s) Mar. 7, gage height, 11.89 ft (3.624 m); minimum daily, 503 ft^3/s (14.2 m^3/s) Oct. 16, 17.
Period of record: Maximum discharge, 5,300 ft^3/s (150 m^3/s) Oct. 22, 1954, gage height, 13.20 ft (4.023 m); minimum daily, 280 ft^3/s (7.93 m^3/s) Jan. 25-29, 1963.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1728: 1954(m). WSP 2115: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	656	599	1750	1280	867	3400	3080	2140	1430	2040	1540	551
2	647	612	2000	1280	769	3600	3010	1960	1570	2180	1430	549
3	635	638	2100	1280	720	3700	2920	1850	1620	2210	1250	543
4	624	701	2100	1210	740	3900	2810	1760	1590	2020	1080	543
5	619	684	1890	1180	740	4150	2690	1670	1400	1690	1000	534
6	610	684	1770	1070	740	4160	2580	1690	1260	1520	1000	523
7	588	681	1770	1020	740	4300	2480	2170	1180	1400	1210	519
8	586	686	1780	1010	750	4300	2370	2530	1150	1340	1360	516
9	599	694	1750	1000	790	4290	2250	2700	1100	1260	1370	568
10	608	690	1660	1010	856	4300	2150	2780	1050	1160	1200	652
11	599	690	1570	1070	1220	4310	2050	2780	1020	1090	1080	644
12	591	663	1500	1110	1640	4290	1960	2610	987	1050	1020	605
13	585	654	1470	1180	1990	4220	1880	2370	955	993	976	581
14	578	678	1490	1180	2280	4110	1800	2190	935	948	964	576
15	515	699	1690	1170	2440	3980	1750	2070	929	911	999	572
16	503	708	2040	1110	2620	3840	1680	2000	946	904	1000	560
17	503	707	2220	1060	2870	3660	1600	1930	977	894	945	558
18	504	700	2270	1060	3080	3490	1530	1890	1010	855	871	559
19	515	689	2250	1090	3330	3320	1490	1840	1180	812	820	556
20	526	683	2100	1010	3550	3190	1480	1740	1380	788	784	576
21	527	700	1850	948	3810	3080	1480	1630	1380	862	757	587
22	539	732	1650	917	4000	2970	1490	1540	1270	892	734	580
23	521	736	1550	947	4050	2880	1460	1470	1250	905	717	561
24	518	729	1450	945	4050	2790	1490	1410	1390	951	706	551
25	534	722	1400	922	4000	2700	1670	1360	1730	960	692	545
26	560	716	1340	910	3950	2620	2070	1310	2060	906	684	575
27	561	715	1310	873	3850	2660	2330	1280	2150	835	660	662
28	565	724	1280	857	3700	2780	2460	1250	2150	850	584	683
29	589	800	1240	869	3420	2890	2480	1270	1980	1100	573	656
30	597	1200	1230	893	---	2970	2360	1310	1830	1400	560	646
31	596	---	1260	873	---	3060	---	1340	---	1520	553	---
TOTAL	17698	21314	52730	32334	67562	109910	62850	57840	40859	37246	29119	17331
MEAN	571	710	1701	1043	2330	3545	2095	1866	1362	1201	939	578
MAX	656	1200	2270	1280	4050	4310	3080	2780	2150	2210	1540	683
MIN	503	599	1230	857	720	2620	1460	1250	929	788	553	516
CFSM	.42	.53	1.26	.77	1.72	2.62	1.55	1.38	1.01	.89	.69	.43
IN.	.49	.59	1.45	.89	1.86	3.02	1.73	1.59	1.12	1.02	.80	.48

CAL YR 1975 TOTAL 524230 MEAN 1436 MAX 3500 MIN 503 CFSM 1.06 IN 14.42
WTR YR 1976 TOTAL 546793 MEAN 1494 MAX 4310 MIN 503 CFSM 1.11 IN 15.04

05517530 Kankakee River near Kouts, Ind.

LOCATION.--Lat 41°15'14", long 87°02'02", in SW¼NE¼ sec.6, T.32 N., R.5 W., Jasper County, on left bank, 20 ft (6 m) downstream from bridge on State Highway 49, 4.5 miles (7.2 km) south of Kouts, 0.7 mile (1.1 km) upstream from Cook ditch, and at mile 86.7 (139.5 km).

DRAINAGE AREA.--1,376 mi^2 (3,564 km^2), of which 194 mi^2 (502 km^2) does not contribute directly to surface runoff.

PERIOD OF RECORD.--October 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 645.00 ft (196.596 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 4,340 ft^3/s (123 m^3/s) Mar. 6, gage height, 12.49 ft (3.807 m); minimum daily, 521 ft^3/s (14.8 m^3/s) Oct. 18.
Period of record: Maximum discharge, 4,340 ft^3/s (123 m^3/s) Mar. 6, 1976, gage height, 12.49 ft (3.807 m); minimum daily, 460 ft^3/s (13.0 m^3/s) Oct. 11, 1975.

REVISIONS.--The peak stage for the 1975 water year has been revised to 11.42 ft (3.481 m), superseding figure published in WDR IN-75-1.

REMARKS.--Records good except those for parts of January and February, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	683	633	1830	1300	870	3460	3200	2270	1510	2060	1550	565
2	676	638	2070	1300	830	3610	3190	2080	1620	2190	1460	572
3	663	664	2170	1290	730	3690	3090	1950	1680	2220	1260	588
4	652	737	2160	1220	760	3860	2970	1860	1670	2080	1110	590
5	644	736	1960	1190	760	4220	2840	1770	1510	1770	1010	580
6	637	729	1800	1100	760	4270	2720	1780	1370	1600	990	568
7	616	729	1780	1030	760	4270	2600	2390	1290	1480	1130	545
8	610	729	1790	1120	770	4270	2470	2710	1250	1420	1290	528
9	615	734	1770	1010	790	4280	2350	2850	1200	1340	1330	565
10	622	735	1680	1020	860	4270	2240	2920	1150	1250	1200	652
11	618	739	1590	1080	1160	4260	2140	2940	1120	1160	1080	644
12	611	715	1530	1150	1580	4270	2040	2780	1100	1120	1020	608
13	608	702	1500	1200	1980	4250	1960	2510	1070	1060	975	582
14	600	713	1510	1200	2280	4170	1880	2330	1050	1020	959	570
15	552	738	1730	1190	2460	4060	1830	2200	1040	984	984	572
16	522	755	2080	1170	2630	3930	1760	2120	1030	972	993	553
17	523	762	2250	1120	3000	3780	1670	2040	1060	930	959	555
18	521	756	2290	1080	3220	3630	1600	1990	1090	890	876	560
19	526	743	2270	1100	3380	3490	1560	1950	1240	870	807	558
20	541	729	2140	1050	3490	3380	1550	1860	1430	850	773	572
21	547	737	1880	1000	3690	3300	1550	1750	1450	910	751	590
22	553	771	1690	940	3950	3200	1550	1660	1370	950	735	582
23	545	779	1560	950	4020	3100	1520	1580	1330	970	716	568
24	538	779	1470	950	4030	2990	1540	1520	1460	1000	710	553
25	545	779	1420	940	4020	2870	1730	1470	1800	1000	702	545
26	582	774	1380	920	3970	2780	2200	1420	2100	940	694	577
27	595	771	1340	880	3890	2790	2430	1390	2200	912	673	649
28	596	772	1310	870	3720	2930	2550	1360	2210	873	603	683
29	615	837	1280	870	3470	3020	2590	1380	2080	1010	580	657
30	626	1300	1260	890	---	3110	2480	1410	1910	1340	565	644
31	632	---	1280	880	---	3180	---	1430	---	1490	560	---
TOTAL	18414	22715	53770	33010	67830	112690	65800	61670	43390	38661	29045	17575
MEAN	594	757	1735	1065	2339	3635	2193	1989	1446	1247	937	586
MAX	683	1300	2290	1300	4030	4280	3200	2940	2210	2220	1550	683
MIN	521	633	1260	870	730	2780	1520	1360	1030	850	560	528
CFSM	.43	.55	1.26	.77	1.70	2.64	1.59	1.45	1.05	.91	.68	.43
IN.	.50	.61	1.45	.89	1.83	3.05	1.78	1.67	1.17	1.05	.79	.48

CAL YR 1975 TOTAL 541090 MEAN 1482 MAX 3530 MIN 521 CFSM 1.08 IN 14.63
WTR YR 1976 TOTAL 564570 MEAN 1543 MAX 4280 MIN 521 CFSM 1.12 IN 15.26

05517900 Cobb ditch near Kouts, Ind.

LOCATION.--Lat 41°19'08", long 87°04'55", in SW¼SW¼ sec.11, T.33 N., R.6 W., Porter County, on left bank 15 ft (4.6 m) upstream from bridge on State Highway 8, 700 ft (213 m) upstream from mouth, and 3 miles (5 km) west of Kouts.

DRAINAGE AREA.--31.7 mi^2 (82.1 km^2).

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 (198.730 m) above mean sea level (State Highway Commission bench mark).

AVERAGE DISCHARGE.--8 years, 35.3 ft^3/s (1.000 m^3/s), 15.12 in/yr (384 mm/yr).

EXTREMES.--Current year: Maximum discharge, 777 ft^3/s (22.0 m^3/s) Mar. 5, gage height, 9.85 ft (3.002 m) from flood mark; minimum daily, 13 ft^3/s (0.37 m^3/s) Sept. 25.
Period of record: Maximum discharge, 777 ft^3/s (22.0 m^3/s) Mar. 5, 1976, gage height, 9.85 ft (3.002 m) from flood mark; minimum daily discharge, 11 ft^3/s (0.31 m^3/s) Oct. 23, 1968, Feb. 3, 1971.

REMARKS.--Records good except period of no gage-height record Feb. 29 to Mar. 10, which is fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	16	50	23	17	180	37	33	28	27	22	14
2	17	16	33	24	16	160	35	31	28	26	22	14
3	17	16	28	24	17	150	34	30	26	24	21	14
4	17	16	26	20	18	230	32	28	25	23	21	14
5	17	16	25	18	18	600	32	27	24	22	23	14
6	17	16	51	19	18	300	30	188	23	22	44	14
7	17	19	44	21	18	200	30	415	23	22	31	14
8	16	19	32	19	17	150	28	149	23	22	24	14
9	16	18	30	18	20	110	28	94	22	21	22	14
10	16	19	28	20	40	90	28	73	22	20	21	15
11	16	18	26	21	90	80	27	59	22	20	20	14
12	16	18	26	20	73	81	27	51	21	20	20	14
13	16	18	31	20	98	75	27	48	21	20	20	14
14	16	18	44	20	49	65	27	46	21	19	20	14
15	16	18	141	19	49	56	26	44	21	20	20	14
16	16	18	75	19	108	52	25	43	21	20	20	14
17	16	18	50	19	260	47	25	40	21	20	19	14
18	16	18	41	19	139	45	25	37	23	19	19	14
19	17	17	34	19	99	42	24	35	24	19	18	14
20	17	19	32	19	62	42	25	34	23	19	18	14
21	16	19	28	21	296	45	27	33	23	21	18	14
22	16	18	28	20	276	38	26	32	22	21	18	14
23	16	18	26	19	120	37	25	31	22	21	18	14
24	16	19	26	19	91	36	28	31	30	19	18	14
25	16	19	25	18	76	35	190	30	70	19	17	13
26	18	19	25	18	63	34	229	30	50	19	17	14
27	17	21	24	18	56	60	76	29	35	17	17	15
28	16	19	23	18	49	62	53	30	32	33	16	15
29	16	43	23	18	47	47	42	31	30	87	15	15
30	16	95	24	18	---	46	36	30	35	31	15	14
31	16	---	24	18	---	39	---	29	---	25	15	---
TOTAL	507	641	1123	606	2300	3234	1304	1841	811	738	629	423
MEAN	16.4	21.4	36.2	19.5	79.3	104	43.5	59.4	27.0	23.8	20.3	14.1
MAX	18	95	141	24	296	600	229	415	70	87	44	15
MIN	16	16	23	18	16	34	24	27	21	17	15	13
CFSM	.52	.68	1.14	.62	2.50	3.28	1.37	1.87	.85	.75	.64	.44
IN.	.59	.75	1.32	.71	2.70	3.79	1.53	2.16	.95	.87	.74	.50

CAL YR 1975 TOTAL 16412 MEAN 45.0 MAX 481 MIN 16 CFSM 1.42 IN 19.26
WTR YR 1976 TOTAL 14157 MEAN 38.7 MAX 600 MIN 13 CFSM 1.22 IN 16.61

PEAK DISCHARGE (BASE, 150 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-15	1300	5.19	194	04-25	2000	7.38	428
02-17	0400	6.94	366	05-07	0200	8.81	614
02-21	1900	8.23	533	07-29	0100	5.15	190
03-05	unknown	9.85	777				

05518000 Kankakee River at Shelby, Ind.

LOCATION.--Lat 41°10'58", long 87°20'33", in SW¼NE¼ sec.33, T.32 N., R.8 W., Lake County, on right bank 25 ft (7.6 m) upstream from Monon Railroad bridge, 1 mile (2 km) south of Shelby, 7.7 miles (12.4 km) upstream from Beaver Lake ditch, and at mile 67.9 (109.2 km).

DRAINAGE AREA.--1,779 mi^2 (4,608 km^2), of which 201 mi^2 (521 km^2) does not contribute directly to surface runoff.

PERIOD OF RECORD.--WATER DISCHARGE: October 1922 to current year. Monthly discharge only for some periods, published in WSP 1308.
SEDIMENT DISCHARGE: October 1963 to current year (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 628.13 ft (191.454 m) above mean sea level. Prior to Dec. 19, 1934, nonrecording gage at highway bridge about 400 ft (122 m) upstream. Dec. 19, 1934, to Oct. 4, 1965, water-stage recorder on left bank 50 ft (15 m) downstream, and Oct. 5, 1965, to Sept. 21, 1966, nonrecording gage on right bank 200 ft (61 m) upstream. All at same datum.

AVERAGE DISCHARGE.--54 years, 1,580 ft^3/s (44.75 m^3/s), 12.06 in/yr (306 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,200 ft^3/s (147 m^3/s) Mar. 6, gage height, 11.32 ft (3.450 m); minimum daily, 695 ft^3/s (19.7 m^3/s) Oct. 17.
Period of record: Maximum discharge, 7,200 ft^3/s (204 m^3/s) Dec. 21, 1927, gage height, 11.40 ft (3.475 m), site then in use, from rating curve extended above 3,000 ft^3/s (85.0 m^3/s) by gage-height relation study with site below railroad bridge; minimum daily, 260 ft^3/s (7.36 m^3/s) Jan. 13-15, 1954.

REMARKS.--Records good except those for parts of January and February, which are fair.

REVISIONS (WATER YEARS).--WSP 1005: 1928(M). WSP 2115: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	888	805	2260	1840	1150	4650	4030	3150	1910	2510	1810	754
2	879	819	2460	1840	1050	4820	4020	2980	1970	2540	1790	750
3	861	849	2530	1840	1000	4870	3990	2790	2030	2570	1650	762
4	838	885	2570	1740	1020	4940	3930	2600	2060	2560	1440	759
5	828	918	2550	1600	1040	5070	3820	2470	1990	2400	1300	751
6	821	899	2510	1500	1050	5170	3720	2560	1850	2160	1310	740
7	802	929	2500	1460	1070	5140	3600	3520	1720	1960	1440	726
8	787	950	2460	1420	1090	5180	3470	3930	1640	1850	1530	698
9	792	945	2430	1400	1110	5180	3330	3870	1580	1750	1600	721
10	801	952	2370	1400	1200	5170	3190	3810	1500	1630	1550	799
11	802	945	2280	1420	1500	5160	3070	3770	1440	1490	1410	827
12	785	922	2200	1600	2000	5140	2920	3680	1390	1410	1330	806
13	782	920	2150	1650	2590	5140	2790	3480	1360	1340	1290	765
14	777	928	2150	1650	2750	5120	2660	3280	1340	1260	1240	742
15	758	938	2340	1620	2910	5090	2570	3110	1310	1200	1230	737
16	708	936	2630	1600	3170	5040	2510	2970	1300	1170	1230	709
17	695	961	2820	1550	3760	4970	2410	2830	1300	1160	1210	707
18	698	955	2860	1500	4120	4890	2330	2690	1330	1140	1170	702
19	705	935	2840	1400	4220	4780	2260	2580	1460	1090	1120	717
20	714	952	2810	1350	4240	4680	2220	2490	1630	1040	1070	732
21	723	985	2630	1300	4370	4590	2210	2380	1720	1080	1040	760
22	728	1010	2440	1250	4640	4490	2180	2280	1710	1150	1000	753
23	723	1020	2290	1220	4710	4370	2150	2170	1640	1180	972	740
24	709	1010	2170	1220	4660	4140	2190	2100	1820	1180	947	715
25	746	1020	2080	1220	4640	4120	2380	2010	2250	1180	939	702
26	753	1020	2020	1200	4630	4010	3100	1910	2460	1170	922	736
27	756	998	1960	1170	4610	4010	3350	1870	2570	1110	902	817
28	759	1020	1900	1150	4580	4080	3380	1840	2650	1090	849	869
29	782	1160	1860	1120	4520	4080	3380	1860	2670	1410	791	865
30	793	1810	1840	1160	---	4050	3320	1880	2570	1630	770	841
31	794	---	1840	1170	---	4030	---	1900	---	1750	759	---
TOTAL	23987	29396	72750	44560	83400	146170	90480	84760	54170	48160	37611	22702
MEAN	774	980	2347	1437	2876	4715	3016	2734	1806	1554	1213	757
MAX	888	1810	2860	1840	4710	5180	4030	3930	2670	2570	1810	869
MIN	695	805	1840	1120	1000	4010	2150	1840	1300	1040	759	698
CFSM	.44	.55	1.32	.81	1.62	2.65	1.70	1.54	1.02	.87	.68	.43
IN.	.50	.61	1.52	.93	1.74	3.06	1.89	1.77	1.13	1.01	.79	.47

CAL YR 1975 TOTAL 761947 MEAN 2088 MAX 4700 MIN 695 CFSM 1.17 IN 15.93
WTR YR 1976 TOTAL 738146 MEAN 2017 MAX 5180 MIN 695 CFSM 1.13 IN 15.44

05518000 Kankakee River at Shelby, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
MAR. 09...	1730	5180	30	420

05519000 Singleton ditch at Schneider, Ind.

LOCATION.--Lat 41°12'44", long 87°26'44", in SW¼NW¼ sec.22, T.32 N., R.9 W., Lake County, on left bank 15 ft (5 m) upstream from bridge on Ackerman Avenue, 0.5 mile (0.8 km) upstream from Bruce ditch, 1.5 miles (2.4 km) downstream from Cedar Creek, and 1.6 miles (2.6 km) north of Schneider.

DRAINAGE AREA.--123 mi^2 (319 km^2).

PERIOD OF RECORD.--July 1948 to current year.

GAGE.--Water-stage recorder. Datum of gage is 623.67 ft (190.095 m) above mean sea level. Prior to Oct. 1, 1949, nonrecording gage at same site at datum 2.00 ft (0.610 m) higher. Oct. 1, 1949, to Aug. 13, 1951, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--28 years, 105 ft^3/s (2.974 m^3/s), 11.59 in/yr (294 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,550 ft^3/s (101 m^3/s) Mar. 5, gage height, 11.24 ft (3.426 m); minimum daily, 21 ft^3/s (0.59 m^3/s) Sept. 6, 7, 13, 17-19, 23-25, 31.
Period of record: Maximum discharge, 3,550 ft^3/s (101 m^3/s) Mar. 5, 1976; maximum gage height, 12.37 ft (3.770 m) June 25, 1975; minimum daily, 3.6 ft^3/s (0.102 m^3/s) Sept. 7, 8, 10, 1964.

REMARKS.--Records fair except those for period of no gage-height record, Aug. 1 to Sept. 30, which are poor.

REVISIONS (WATER YEARS).--WSP 1915: 1956-59. WSP 2115: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	42	330	68	30	1040	165	195	100	63	58	25
2	32	37	202	69	28	921	153	178	94	58	45	25
3	32	39	140	64	24	786	141	168	90	53	38	24
4	32	38	92	97	25	1440	134	150	85	50	32	23
5	31	36	75	69	25	2990	126	147	80	49	40	22
6	29	36	235	60	26	2110	120	542	76	47	160	21
7	29	51	235	63	23	1280	112	1750	73	47	80	21
8	29	55	133	53	21	804	108	880	71	56	60	22
9	28	48	90	52	24	563	104	528	69	53	52	24
10	28	65	80	52	80	442	102	369	68	50	49	26
11	27	49	69	54	453	350	100	298	68	45	47	23
12	27	49	60	53	255	348	94	247	64	44	46	22
13	27	45	73	53	302	318	92	213	62	41	44	21
14	26	43	133	50	215	279	92	200	61	39	42	22
15	30	43	586	46	205	247	92	188	60	39	40	22
16	33	42	419	52	365	225	87	189	59	45	38	22
17	33	41	282	43	874	200	82	171	57	39	37	21
18	32	40	258	40	599	189	80	154	60	37	36	21
19	33	42	249	43	456	178	79	140	65	34	35	21
20	34	46	192	43	294	174	81	133	58	32	33	22
21	32	52	143	38	960	197	84	125	54	45	32	22
22	30	42	113	43	1250	166	83	116	54	45	31	22
23	30	40	104	45	663	153	82	111	53	45	30	21
24	30	40	96	45	421	147	90	106	67	46	29	21
25	50	42	92	39	306	138	694	103	79	40	29	21
26	47	39	87	36	232	127	902	100	67	37	28	24
27	45	38	79	34	205	200	493	95	61	36	28	29
28	42	42	74	32	172	246	340	95	62	39	27	25
29	39	116	72	34	153	205	266	109	60	174	26	22
30	38	484	76	33	---	200	222	109	66	96	26	21
31	38	---	74	31	---	183	---	106	---	74	26	---
TOTAL	1025	1822	4943	1534	8686	16846	5400	8015	2043	1598	1324	678
MEAN	33.1	60.7	159	49.5	300	543	180	259	68.1	51.5	42.7	22.6
MAX	50	484	586	97	1250	2990	902	1750	100	174	160	29
MIN	26	36	60	31	21	127	79	95	53	32	26	21
CFSM	.27	.49	1.29	.40	2.44	4.41	1.46	2.11	.55	.42	.35	.18
IN.	.31	.55	1.49	.46	2.63	5.09	1.63	2.42	.62	.48	.40	.21

CAL YR 1975 TOTAL 58396 MEAN 160 MAX 1140 MIN 26 CFSM 1.30 IN 17.66
WTR YR 1976 TOTAL 53914 MEAN 147 MAX 2990 MIN 21 CFSM 1.20 IN 16.31

PEAK DISCHARGE (BASE, 730 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-15	1300	4.72	736	03-05	0900	11.24	3,550
02-17	0300	6.18	1,140	04-25	2400	5.92	1,150
02-21	1900	8.05	1,890	05-07	0100	8.32	2,150
03-01	1200	7.04	1,460				

05520000 Singleton ditch at Illinoi, Ill.

LOCATION.--Lat 41°11'20", long 87°31'35", in SW¼NW¼ sec.8, T.31 N., R.15 E., Kankakee County, Illinois, 50 ft (15 m) downstream from county highway bridge and Indiana-Illinois State line, at Illinoi, and beside the Cleveland, Cincinnati, Chicago, and St. Louis Railway.

DRAINAGE AREA.--220 mi^2 (570 km^2).

PERIOD OF RECORD.--October 1944 to current year.

GAGE.--Water-stage recorder. Datum of gage is 620.33 ft (189.077 m) above mean sea level. Prior to Aug. 28, 1953, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--32 years, 182 ft^3/s (5.154 m^3/s), 11.23 in/yr (285 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,610 ft^3/s (102 m^3/s) Mar. 5, gage height, 10.51 ft (3.203 m); minimum daily, 32 ft^3/s (0.91 m^3/s) Sept. 24, 25.
Period of record: Maximum discharge, 3,610 ft^3/s (102 m^3/s) Mar. 5, 1976, gage height, 10.51 ft (3.203 m); minimum daily discharge, 6.0 ft^3/s (0.17 m^3/s) Sept. 8, 9, 1964.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1338: 1948(M). WSP 2115: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	61	400	120	54	1560	308	368	207	140	100	44
2	58	60	250	120	50	1430	289	336	182	120	90	43
3	58	58	190	110	44	1250	269	317	170	110	75	42
4	59	56	160	150	45	1620	257	287	160	100	65	40
5	55	56	140	120	45	3360	239	271	151	95	80	36
6	53	56	340	110	46	2620	230	784	143	90	220	37
7	54	70	330	110	42	1790	220	2240	138	90	130	37
8	53	86	180	96	38	1300	209	1260	135	110	110	36
9	52	72	150	95	43	1020	193	818	132	100	95	40
10	52	90	130	94	372	824	186	638	131	95	90	45
11	49	70	110	96	1110	679	186	528	129	90	86	38
12	49	70	100	95	570	653	176	444	123	85	83	36
13	48	64	110	94	569	621	174	393	122	80	81	34
14	47	62	180	90	436	542	174	370	117	75	76	34
15	54	60	880	84	393	471	172	350	116	75	71	34
16	61	58	540	94	648	439	169	354	115	85	71	34
17	61	58	400	80	1280	389	164	321	110	80	68	34
18	58	58	390	72	965	366	162	300	120	75	65	34
19	59	60	370	78	818	347	162	281	130	65	62	34
20	61	65	300	78	618	338	167	263	120	65	60	34
21	59	75	220	70	1450	372	177	232	110	90	57	35
22	57	66	190	84	1810	304	179	222	110	90	55	34
23	54	60	170	84	1140	281	172	216	120	90	53	33
24	54	60	160	84	853	271	196	211	140	90	52	32
25	74	62	150	70	699	251	720	207	160	80	51	32
26	74	60	140	64	571	237	1260	198	140	75	51	39
27	67	58	130	60	492	328	790	184	130	70	50	47
28	63	60	120	58	434	451	590	184	130	75	48	40
29	60	150	120	60	403	377	482	200	130	270	47	35
30	59	600	130	58	---	359	410	215	150	160	45	34
31	59	---	130	56	---	334	---	218	---	120	45	---
TOTAL	1779	2541	7310	2734	16038	25184	9082	13210	4071	3035	2332	1107
MEAN	57.4	84.7	236	88.2	553	812	303	426	136	97.9	75.2	36.9
MAX	74	600	880	150	1810	3360	1260	2240	207	270	220	47
MIN	47	56	100	56	38	237	162	184	110	65	45	32
CFSM	.26	.39	1.07	.40	2.51	3.69	1.38	1.94	.62	.45	.34	.17
IN.	.30	.43	1.24	.46	2.71	4.26	1.54	2.23	.69	.51	.39	.19

CAL YR 1975 TOTAL 92330 MEAN 253 MAX 1840 MIN 47 CFSM 1.15 IN 15.61
WTR YR 1976 TOTAL 88423 MEAN 242 MAX 3360 MIN 32 CFSM 1.10 IN 14.95

PEAK DISCHARGE (BASE, 1,100 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-11	0300	6.10	1,450	03-05	0700	10.51	3,610
02-17	0400	6.23	1,500	04-26	0200	6.28	1,520
02-21	2000	8.24	2,400	05-07	0300	8.59	2,570
03-01	1200	7.19	1,910				

05520500 Kankakee River at Momence, Ill.

LOCATION.--Lat 41°09'36", long 87°40'07", in NE¼ sec.24, T.31 N., R.13 E., Kankakee County, on right bank at Hill Street in Momence, 0.2 mile (0.3 km) downstream from bridge on State Highways 1 and 17, and 1.2 miles (1.9 km) upstream from Tower Creek.

DRAINAGE AREA.--2,294 mi^2 (5,941 km^2).

PERIOD OF RECORD.--February to December 1905, February to July 1906, December 1914 to current year.

GAGE.--Water-stage recorder. Datum of gage is 609.18 ft (185.678 m) above mean sea level. Prior to Aug. 1, 1938, nonrecording gage at site 0.2 mile (0.3 km) upstream at datum 1.00 ft (0.305 m) higher. Aug. 1, 1938, to Aug. 8, 1969, water-stage recorder at present site at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--61 years (1915-76), 1,926 ft^3/s (54.54 m^3/s), 11.40 in/yr (290 mm/yr).

EXTREMES.--Current year: Maximum discharge, 11,900 ft^3/s (337 m^3/s) Mar. 5, gage height, 6.44 ft (1.963 m); minimum, 677 ft^3/s (19.2 m^3/s) Sept. 8-9.
Period of record: Maximum discharge, 11,900 ft^3/s (337 m^3/s) Mar. 5, 1976, gage height, 6.44 ft (1.963 m); maximum gage height observed, 8.09 ft (2.466 m) Jan. 25, 1930, site and datum then in use, ice jam; minimum discharge observed, 306 ft^3/s (8.67 m^3/s) Sept. 1, 16, 17, 1919.

REMARKS.--Records good except those for winter periods, which are poor.

REVISIONS (WATER YEARS).--WSP 1238: 1916, 1930. WSP 1308: 1915(M), 1917(M), 1919(M), 1922(M), 1926(M), 1934-35(M), 1938(M). WDR IL-75: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	985	862	2400	2170	1200	6950	4760	3900	2470	2900	1750	747
2	985	873	2630	2150	1150	7350	4680	3800	2420	2840	1790	727
3	973	906	2830	2120	1100	7190	4600	3700	2380	2790	1790	727
4	951	928	2940	2120	1000	7950	4540	3550	2400	2730	1690	737
5	928	973	3010	2000	1000	11300	4400	3350	2400	2720	1540	727
6	917	985	3180	1900	1060	10100	4340	4130	2330	2630	1590	717
7	906	1020	3300	1900	1050	8800	4220	6290	2180	2430	1660	709
8	895	1040	3200	1900	1100	7980	4110	5700	2040	2220	1590	687
9	873	1080	3130	1900	1200	7420	3970	5440	1910	2050	1600	707
10	873	1050	3050	1900	1500	7020	3820	5190	1800	1910	1610	737
11	873	1070	2950	2000	5230	6770	3700	4900	1720	1760	1560	798
12	873	1040	2860	2000	5100	6650	3480	4660	1630	1610	1480	798
13	852	1020	2810	2000	5520	6630	3340	4500	1590	1520	1390	767
14	841	996	2880	2000	4920	6470	3200	4360	1520	1430	1320	737
15	841	1010	3550	1950	4010	6310	3090	4220	1460	1380	1260	717
16	820	996	3600	1900	4320	6130	2970	4130	1420	1330	1240	717
17	788	1010	3530	1850	5550	6000	2880	3900	1390	1250	1220	697
18	767	1030	3460	1800	5610	5870	2770	3680	1430	1240	1200	697
19	767	1020	3530	1700	5760	5760	2720	3480	1530	1200	1160	697
20	767	1030	3510	1500	5440	5650	2610	3340	1540	1150	1110	707
21	767	1070	3420	1500	6790	5590	2570	3200	1640	1150	1070	727
22	788	1080	3260	1450	7860	5400	3420	3030	1700	1260	1030	737
23	778	1090	3070	1400	7000	5250	4780	2900	1720	1330	996	727
24	778	1090	2860	1400	6490	5100	4500	2750	1780	1320	962	707
25	841	1090	2680	1350	6160	4960	4420	2610	1960	1290	940	687
26	841	1100	2540	1350	5870	4780	4340	2490	2220	1260	928	737
27	841	1090	2420	1300	5650	4880	4260	2380	2450	1240	917	788
28	830	1090	2330	1250	5500	5040	4250	2330	2630	1210	884	820
29	830	1250	2270	1250	5440	5000	4200	2380	2750	1590	820	852
30	841	2050	2250	1200	---	4940	4100	2560	2880	1660	767	838
31	852	---	2220	1200	---	4860	---	2520	---	1720	747	---
TOTAL	26462	31939	91670	53410	119580	200100	115040	115370	59290	54120	39611	22174
MEAN	854	1065	2957	1723	4123	6455	3835	3722	1976	1746	1278	739
MAX	985	2050	3600	2170	7860	11300	4780	6290	2880	2900	1790	852
MIN	767	862	2220	1200	1000	4780	2570	2330	1390	1150	747	687
CFSM	.37	.46	1.29	.75	1.80	2.81	1.67	1.62	.86	.76	.56	.32
IN.	.43	.52	1.49	.87	1.94	3.24	1.87	1.87	.96	.88	.64	.36

CAL YR 1975 TOTAL 985151 MEAN 2699 MAX 8170 MIN 767 CFSM 1.18 IN 15.98
WTR YR 1976 TOTAL 928766 MEAN 2538 MAX 11300 MIN 687 CFSM 1.11 IN 15.06

05521000 Iroquois River at Rosebud, Ind.

LOCATION.--Lat 41°02'00", long 87°10'49", in NW¼SW¼ sec.24, T.30 N., R.7 W., Jasper County, on right bank 100 ft (30 m) downstream from bridge on county road, 0.5 mile (0.8 km) north of Rosebud, 0.5 mile (0.8 km) downstream from confluence of Swain and Dexter ditches, 1.5 miles (2.4 km) upstream from Davidson ditch, 2 miles (3 km) east of Parr, and at mile 93.5 (150.4 km).

DRAINAGE AREA.--35.6 mi^2 (92.2 km^2).

PERIOD OF RECORD.--July 1948 to current year.

GAGE.--Water-stage recorder. Datum of gage is 661.47 ft (201.616 m) above mean 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.

AVERAGE DISCHARGE.--28 years, 25.9 ft^3/s (0.733 m^3/s), 9.88 in/yr (251 mm/yr).

EXTREMES.--Current year: Maximum discharge, 276 ft^3/s (7.82 m^3/s) Feb. 17, gage height, 6.44 ft (1.963 m); minimum daily, 3.1 ft^3/s (0.088 m^3/s) Sept. 8.
Period of record: Maximum discharge, 435 ft^3/s (12.3 m^3/s) May 17, 1974; maximum gage height, 8.86 ft (2.700 m) Feb. 10, 1959; minimum daily discharge, 0.5 ft^3/s (0.014 m^3/s) Oct. 11, 12, 19, 1964.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1338: 1950-53. WSP 1728: 1959-60(M). WSP 1915: 1949-60. WSP 2115: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	4.5	61	28	9.7	96	61	40	30	52	10	3.5
2	4.5	4.7	36	29	9.5	116	53	39	27	40	8.8	3.5
3	4.2	4.2	28	29	9.3	119	49	36	24	34	7.9	3.4
4	4.2	3.8	25	21	9.1	163	45	33	22	28	7.4	3.3
5	4.0	3.7	23	15	9.0	244	41	33	20	25	7.4	3.2
6	4.3	3.5	43	14	8.9	187	40	66	19	23	10	3.3
7	5.1	4.2	40	13	8.8	123	37	135	18	21	9.3	3.2
8	4.9	3.8	32	12	8.7	94	34	88	17	19	7.9	3.1
9	4.5	3.7	30	12	8.6	79	32	66	16	17	8.9	11
10	4.7	4.2	27	11	23	70	32	55	15	16	11	9.0
11	4.1	3.8	25	11	120	65	32	49	14	15	8.4	5.6
12	3.9	3.5	29	11	140	68	29	42	14	13	9.8	5.9
13	4.1	3.4	37	13	123	66	30	41	15	12	8.6	4.3
14	4.0	3.3	42	12	100	56	29	44	14	11	7.8	3.9
15	4.9	3.4	126	12	85	52	28	48	13	12	6.4	4.1
16	4.4	5.7	97	11	140	51	27	58	13	11	5.6	4.0
17	4.1	3.8	63	11	250	46	26	49	12	9.9	5.2	4.0
18	4.4	3.7	50	11	200	46	24	40	17	9.2	5.2	4.0
19	6.1	3.5	37	11	155	45	23	36	77	8.6	5.4	4.1
20	5.5	4.5	34	11	110	54	25	34	43	8.3	5.0	5.7
21	5.1	5.9	29	10	156	84	30	32	29	9.4	5.4	4.7
22	5.1	4.7	31	10	166	54	33	30	27	15	6.7	4.3
23	4.7	4.3	26	10	110	49	35	27	50	15	5.1	4.1
24	4.7	4.2	25	11	92	47	46	26	141	11	4.8	4.1
25	6.9	4.2	25	11	78	44	79	25	141	8.8	4.7	4.4
26	5.7	3.7	26	10	68	41	96	24	83	7.8	4.7	10
27	4.7	6.3	23	10	61	129	66	23	57	7.4	4.4	12
28	4.2	4.5	22	10	56	135	53	24	72	15	4.1	7.7
29	4.0	47	22	10	52	94	46	26	71	40	3.8	6.5
30	3.7	108	28	10	---	78	43	27	64	18	3.6	5.8
31	3.7	---	30	10	---	65	---	31	---	13	3.5	---
TOTAL	143.1	271.7	1172	410	2366.6	2660	1224	1327	1175	545.4	206.8	155.7
MEAN	4.62	9.06	37.8	13.2	81.6	85.8	40.8	42.8	39.2	17.6	6.67	5.19
MAX	6.9	108	126	29	250	244	96	135	141	52	11	12
MIN	3.7	3.3	22	10	8.6	41	23	23	12	7.4	3.5	3.1
CFSM	.13	.25	1.06	.37	2.29	2.41	1.15	1.20	1.10	.49	.19	.15
IN.	.15	.28	1.22	.43	2.47	2.78	1.28	1.39	1.23	.57	.22	.16

CAL YR 1975 TOTAL 9616.4 MEAN 26.3 MAX 213 MIN 3.3 CFSM .74 IN 10.05
WTR YR 1976 TOTAL 11657.3 MEAN 31.9 MAX 250 MIN 3.1 CFSM .90 IN 12.18

PEAK DISCHARGE (BASE, 150 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-17	(unknown)	6.44	276	03-27	1745	5.14	180
02-21	1930	5.46	201	06-24	2145	4.96	168
03-05	1230	6.23	259				

05522000 Iroquois River near North Marion, Ind.

LOCATION.--Lat 40°58'12", long 87°06'50", in NE¼NW¼ sec.16, T.29 N., R.6 W., Jasper County, on downstream side of county highway bridge, 1.2 miles (1.9 km) upstream from Ryan ditch, 2 miles (3 km) east of North Marion, 3.5 miles (5.6 km) northeast of Rensselaer, and at mile 87.7 (141.1 km).

DRAINAGE AREA.--144 mi^2 (373 km^2).

PERIOD OF RECORD.--December 1948 to current year.

GAGE.--Water-stage recorder. Datum of gage is 646.68 ft (197.108 m) above mean sea level. Prior to Sept. 6, 1955, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--27 years (1949 to current year), 127 ft^3/s (3.597 m^3/s), 11.98 in/yr (304 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,070 ft^3/s (30.3 m^3/s) Feb. 18, gage height, 12.25 ft (3,734 m); minimum daily, 9.5 ft^3/s (0.27 m^3/s) Sept. 7.
Period of record: Maximum discharge, 2,040 ft^3/s (57.8 m^3/s) June 10, 1958, gage height, 15.09 ft (4.599 m); minimum daily, 1.6 ft^3/s (0.045 m^3/s) Sept. 15, 1964.

REMARKS.--Records good. Water from Oliver ditch, an upstream tributary, can be diverted to Ryan ditch and thus enter the Iroquois River below station.

REVISIONS.--WSP 2115: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	22	424	139	52	345	400	202	110	300	61	16
2	22	27	313	138	51	554	332	182	106	222	50	16
3	22	26	180	158	50	637	290	169	90	160	46	14
4	20	25	140	110	49	688	265	152	78	131	34	13
5	20	24	128	93	49	880	234	142	66	110	27	12
6	18	23	149	85	48	988	214	183	67	91	69	10
7	18	25	197	80	48	945	193	458	66	89	108	9.5
8	17	29	168	76	47	821	172	530	56	78	67	10
9	21	24	151	72	46	673	159	451	52	72	51	28
10	23	25	139	68	176	530	147	349	49	64	45	53
11	17	26	130	67	567	422	151	271	48	57	39	21
12	16	25	131	69	671	369	137	218	48	55	43	30
13	18	23	151	72	663	370	133	193	50	43	43	25
14	17	23	180	68	616	336	131	207	61	43	38	24
15	17	25	421	66	533	296	129	213	62	50	36	21
16	27	24	568	64	556	273	122	242	60	50	34	19
17	23	22	509	62	889	253	105	228	57	35	25	17
18	21	21	356	60	1040	234	104	185	71	33	22	17
19	23	22	238	58	1050	227	105	158	366	33	25	18
20	24	24	203	57	958	220	103	143	435	28	25	25
21	22	32	162	56	890	296	122	129	300	42	23	31
22	22	32	138	54	953	298	126	119	175	91	24	21
23	21	28	137	56	908	248	116	108	219	102	21	19
24	20	28	126	58	793	221	166	105	373	79	20	17
25	28	30	120	57	657	208	261	99	538	58	19	18
26	27	27	114	55	524	191	453	93	556	49	20	30
27	24	26	117	54	404	425	457	86	444	44	22	49
28	27	35	105	53	331	738	364	85	343	46	21	38
29	22	106	101	54	287	738	282	106	382	176	18	29
30	23	357	125	54	---	634	227	110	344	127	14	28
31	22	---	146	53	---	512	---	107	---	75	16	---
TOTAL	664	1186	6267	2266	13906	14570	6200	6023	5672	2633	1106	678.5
MEAN	21.4	39.5	202	73.1	480	470	207	194	189	84.9	35.7	22.6
MAX	28	357	568	158	1050	988	457	530	556	300	108	53
MIN	16	21	101	53	46	191	103	85	48	28	14	9.5
CFSM	.15	.27	1.40	.51	3.33	3.26	1.44	1.35	1.31	.59	.25	.16
IN.	.17	.31	1.62	.59	3.59	3.76	1.60	1.56	1.47	.68	.29	.18

CAL YR 1975 TOTAL 51289.0 MEAN 141 MAX 936 MIN 14 CFSM .98 IN 13.25
WTR YR 1976 TOTAL 61171.5 MEAN 167 MAX 1050 MIN 9.5 CFSM 1.16 IN 15.80

PEAK DISCHARGE (BASE, 420 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
12-01	0500	6.95	450	03-06	1100	11.73	994	05-08	0600	7.86	541
12-16	1200	8.20	576	03-28	2100	9.92	768	06-20	0500	7.03	458
02-12	2000	9.14	676	04-26	2200	7.28	483	06-25	2400	8.20	576
02-18	2200	12.25	1,070								

05522500 Iroquois River at Rensselaer, Ind.

LOCATION.--Lat 40°56'00", long 87°07'44", in NW¼SE¼ sec.29, T.29 N., R.6 W., Jasper County, on right bank 20 ft (6 m) downstream from bridge on State Highway 114, 0.8 mile (1.3 km) east of Rensselaer, 1.5 miles (2.4 km) downstream from Ryan ditch, 5.5 miles (8.8 km) upstream from Slough Creek, and at mile 84.9 (136.6 km).

DRAINAGE AREA.--203 mi^2 (526 km^2).

PERIOD OF RECORD.--July 1948 to current year.

GAGE.--Water-stage recorder. Datum of gage is 642.29 ft (195.770 m) above mean sea level (levels by State of Indiana, Department of Natural Resources). Prior to July 8, 1949, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--28 years, 164 ft^3/s (4.644 m^3/s), 10.97 in/yr (279 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,450 ft^3/s (41.1 m^3/s) Feb. 18, gage height, 12.70 ft (3.871 m); minimum daily, 12 ft^3/s (0.34 m^3/s) Sept. 6, 7.
Period of record: Maximum discharge, 2,550 ft^3/s (72.2 m^3/s) June 10, 1958, gage height, 16.54 ft (5.041 m); minimum daily, 2.2 ft^3/s (0.062 m^3/s) Sept. 9, 15, 16, 1964.

REMARKS.--Records good.

REVISIONS.--WSP 2115: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	24	495	135	56	366	474	214	117	298	65	17
2	24	30	365	133	54	685	386	193	113	211	54	17
3	25	28	227	157	52	784	322	175	100	149	49	16
4	22	26	166	120	51	872	286	158	89	122	37	15
5	21	25	145	110	50	1200	246	147	78	104	28	13
6	20	24	177	103	49	1310	222	232	79	88	68	12
7	21	26	233	97	48	1220	198	577	78	86	105	12
8	20	33	208	90	48	1000	177	627	69	76	72	13
9	23	27	178	78	47	805	163	530	66	70	56	31
10	28	27	162	74	181	620	152	399	62	63	51	60
11	20	27	146	79	726	483	155	294	61	59	43	26
12	19	26	147	80	837	413	141	231	61	61	49	31
13	20	26	187	86	856	408	138	205	61	54	51	27
14	20	24	232	80	762	351	136	220	74	48	43	25
15	21	26	535	74	652	293	133	231	76	51	39	22
16	28	26	689	77	727	264	128	261	73	57	36	20
17	26	23	601	71	1250	239	113	240	72	42	28	18
18	20	22	401	67	1410	217	112	192	100	35	23	18
19	22	24	241	64	1420	208	113	164	465	34	26	19
20	24	26	199	62	1260	198	112	149	516	30	26	27
21	23	35	155	60	1190	264	127	137	337	39	23	33
22	22	36	129	60	1310	274	130	127	211	92	24	22
23	21	31	130	63	1190	223	122	117	306	99	21	20
24	20	30	120	66	988	196	169	114	542	79	21	18
25	29	32	116	64	804	184	305	109	678	61	19	20
26	29	29	111	60	625	167	563	103	653	53	21	35
27	26	26	111	58	468	577	546	96	509	46	24	54
28	29	39	102	56	361	937	423	96	409	46	23	40
29	24	122	98	57	293	896	310	114	455	154	19	32
30	24	425	118	58	---	752	244	117	366	121	15	30
31	23	---	141	60	---	610	---	116	---	79	17	---
TOTAL	720	1325	7065	2499	17765	17016	6846	6685	6876	2607	1176	743
MEAN	23.2	44.2	228	80.6	613	549	228	216	229	84.1	37.9	24.8
MAX	29	425	689	157	1420	1310	563	627	678	298	105	60
MIN	19	22	98	56	47	167	112	96	61	30	15	12
CFSM	.11	.22	1.12	.40	3.02	2.70	1.12	1.06	1.13	.41	.19	.12
IN.	.13	.24	1.29	.46	3.26	3.12	1.25	1.23	1.26	.48	.22	.14

CAL YR 1975 TOTAL 63252 MEAN 173 MAX 1270 MIN 13 CFSM .85 IN 11.59
WTR YR 1976 TOTAL 71323 MEAN 195 MAX 1420 MIN 12 CFSM .96 IN 13.07

05523000 Bice ditch near South Marion, Ind.

LOCATION.--Lat 40°52'00", long 87°05'32", in NE¼NW¼ sec.22, T.28 N., R.6 W., Jasper County, on left bank at upstream side of bridge on State Highway 16, 2.3 miles (3.7 km) upstream from mouth, 3 miles (5 km) southeast of South Marion, and 5 miles (8 km) southeast of Rensselaer.

DRAINAGE AREA.--21.8 mi^2 (56.5 km^2).

PERIOD OF RECORD.--December 1948 to current year.

GAGE.--Water-stage recorder. Datum of gage is 651.30 ft (198.516 m) above mean sea level. Prior to Aug. 5, 1955, nonrecording gage, and Aug. 5, 1955, to Sept. 30, 1965, water-stage recorder at present site at datum 2.00 ft (0.610 m) higher.

AVERAGE DISCHARGE.--27 years (1949 to current year), 16.7 ft^3/s (0.473 m^3/s), 10.40 in/yr (264 mm/yr).

EXTREMES.--Current year: Maximum discharge, 634 ft^3/s (18.0 m^3/s) Feb. 10, gage height, 8.78 ft (2.676 m); minimum daily, 0.34 ft^3/s (0.010 m^3/s) Sept. 7, 8, 14-16.
Period of record: Maximum discharge, 958 ft^3/s (27.1 m^3/s) Dec. 21, 1967, gage height, 10.89 ft (3.319 m); no flow at times during 1952, 1955, and 1964.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1508: 1956. WSP 2115: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	3.3	62	17	2.9	19	16	6.7	14	19	1.4	.50
2	3.1	4.2	34	19	2.8	21	12	6.2	10	11	1.2	.50
3	2.8	4.0	26	24	2.8	27	11	4.6	7.6	7.2	1.2	.46
4	2.8	3.8	24	13	2.7	51	8.7	4.0	6.0	5.3	1.1	.46
5	2.8	3.6	23	9.6	2.6	140	6.5	4.4	5.0	4.1	1.1	.38
6	2.8	3.6	29	7.9	2.6	64	6.0	11	4.5	3.4	1.8	.38
7	2.7	4.0	27	7.0	2.5	42	5.0	26	4.3	3.0	1.3	.34
8	2.8	4.0	22	5.2	2.5	31	4.4	16	4.0	2.6	1.2	.34
9	3.1	3.6	22	4.4	2.4	26	4.2	12	3.6	2.2	1.1	.73
10	2.8	3.8	20	4.0	226	25	4.2	8.6	3.2	2.0	1.1	.64
11	2.8	3.3	17	4.3	237	31	4.4	7.3	3.0	1.8	1.1	.43
12	2.8	3.3	20	3.8	79	34	3.6	5.7	2.9	1.7	1.4	.38
13	2.8	3.1	21	4.1	70	26	3.8	6.0	4.4	1.6	1.3	.36
14	2.8	2.8	22	3.8	43	19	3.8	13	4.1	1.5	1.1	.34
15	2.7	2.8	198	3.6	45	15	3.8	42	4.0	2.5	1.0	.34
16	2.7	2.8	106	4.0	230	16	3.6	51	7.2	2.1	1.0	.34
17	2.5	2.7	55	3.6	328	14	3.6	29	5.0	1.4	.90	.35
18	2.7	2.7	33	3.4	142	14	3.6	17	45	1.3	.90	.38
19	3.1	2.7	22	3.3	93	13	3.6	13	108	1.2	.84	.41
20	3.1	3.1	17	3.2	65	12	4.0	9.6	34	1.2	.78	1.8
21	3.0	3.8	12	3.1	196	9.6	5.2	7.9	19	1.5	.78	.78
22	3.0	3.3	11	3.1	147	7.6	4.4	6.5	13	1.6	.78	.52
23	2.8	3.0	9.9	3.2	73	7.6	4.0	6.0	15	1.6	.73	.42
24	2.8	3.1	9.2	3.3	60	7.9	4.8	5.2	118	1.3	.68	.39
25	4.0	3.3	9.6	3.3	45	8.9	14	4.8	99	1.1	.63	.42
26	3.8	3.0	11	3.2	35	8.2	20	4.4	39	1.1	.68	.84
27	3.5	3.6	8.6	3.1	28	112	13	4.2	22	1.1	.63	1.1
28	3.5	3.3	8.2	2.9	22	72	9.6	4.2	43	1.7	.58	.64
29	3.1	23	8.6	2.9	19	39	8.2	4.8	42	7.9	.54	.50
30	3.1	131	15	3.0	---	30	7.3	7.9	28	2.1	.50	.46
31	2.8	---	21	3.0	---	20	---	18	---	1.6	.54	---
TOTAL	92.6	247.6	924.1	182.3	2206.8	962.8	206.3	367.0	717.8	98.7	29.89	15.93
MEAN	2.99	8.25	29.8	5.88	76.1	31.1	6.88	11.8	23.9	3.18	.96	.53
MAX	4.0	131	198	24	328	140	20	51	118	19	1.8	1.8
MIN	2.5	2.7	8.2	2.9	2.4	7.6	3.6	4.0	2.9	1.1	.50	.34
CFSM	.14	.38	1.37	.27	3.49	1.43	.32	.54	1.10	.15	.04	.02
IN.	.16	.42	1.58	.31	3.77	1.64	.35	.63	1.22	.17	.05	.03

CAL YR 1975 TOTAL 8870.27 MEAN 24.3 MAX 633 MIN .97 CFSM 1.11 IN 15.14
WTR YR 1976 TOTAL 6051.82 MEAN 16.5 MAX 328 MIN .34 CFSM .76 IN 10.33

PEAK DISCHARGE (BASE, 340 FT^3/S).--Feb. 10 (2100) 634 ft^3/s (8.78 ft); Feb. 16 (2400) 615 ft^3/s (8.64 ft).

05523500 Slough Creek near Collegeville, Ind.

LOCATION.--Lat 40°53'30", long 87°09'17", in SE¼NE¼ sec.12, T.28 N., R.7 W., Jasper County, on right bank at downstream side of bridge on State Highway 53, 1.5 miles (2.4 km) south of Collegeville, 2.2 miles (3.5 km) downstream from Bice ditch, 2.9 miles (4.7 km) upstream from Carpenter Creek, and 3.2 miles (5.1 km) upstream from mouth.

DRAINAGE AREA.--83.7 mi^2 (216.8 km^2).

PERIOD OF RECORD.--July 1948 to December 1951, October 1952 to current year. Prior to October 1965, published as Big Slough Creek near Collegeville.

GAGE.--Water-stage recorder. Datum of gage is 634.75 ft (193.472 m) above mean sea level. Prior to Aug. 5, 1955, nonrecording gage and Aug. 5, 1955, to Oct. 8, 1958, water-stage recorder at same site at datum 3.00 ft (0.914 m) higher.

AVERAGE DISCHARGE.--27 years (1948-51, 1952 to current year), 71.1 ft^3/s (2.014 m^3/s), 11.54 in/yr (293 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,670 ft^3/s (47.3 m^3/s) Feb. 11, gage height, 14.53 ft (4.429 m); minimum daily, 3.4 ft^3/s (0.096 m^3/s) Sept. 14.
Period of record: Maximum discharge, 2,390 ft^3/s (67.7 m^3/s) Dec. 22, 1967, gage height, 16.88 ft (5.145 m); minimum daily, 0.7 ft^3/s (0.020 m^3/s) Dec. 20-26, 1963.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1558: 1955(M), 1956(M), 1957. WSP 2115: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	14	280	66	18	107	77	39	68	70	9.5	4.1
2	13	16	190	70	17	115	64	36	51	50	8.6	4.0
3	11	16	92	118	17	150	55	33	37	39	8.4	4.0
4	11	16	80	141	17	250	48	26	29	32	8.4	3.9
5	11	15	72	50	16	500	42	27	25	28	8.6	3.8
6	11	15	110	33	16	350	37	60	23	25	15	3.8
7	10	16	92	29	15	245	32	130	21	23	11	3.6
8	11	16	82	26	15	185	30	90	19	22	9.1	3.5
9	12	15	82	24	23	140	29	63	17	18	8.3	6.5
10	11	15	72	22	360	135	29	48	16	17	7.9	6.4
11	11	15	62	24	1440	160	32	39	15	15	8.0	4.6
12	11	14	68	22	320	180	27	32	14	15	9.1	3.9
13	11	13	74	25	230	135	29	33	17	14	8.4	3.5
14	11	13	79	22	170	105	28	58	17	13	7.3	3.4
15	11	12	652	21	175	80	28	100	14	14	7.1	3.5
16	10	12	350	25	620	88	27	160	20	19	6.7	3.7
17	10	12	210	23	1600	75	27	91	13	12	6.4	3.7
18	11	11	130	22	580	70	26	60	58	10	6.2	3.7
19	12	11	60	21	340	64	26	47	320	9.8	6.0	3.8
20	12	13	54	20	275	58	29	40	183	9.3	5.6	6.2
21	12	16	50	19	750	53	33	35	97	11	5.5	5.5
22	12	15	44	19	500	48	30	30	70	11	5.4	4.3
23	11	14	40	19	360	42	27	28	76	11	5.3	3.8
24	12	14	37	19	285	42	37	27	350	9.7	5.2	4.0
25	15	14	39	20	225	49	62	27	470	8.9	5.2	4.3
26	14	14	43	19	175	42	110	26	175	8.5	5.0	5.7
27	14	19	34	18	140	390	92	25	90	8.2	4.8	6.0
28	13	15	32	18	120	270	63	25	135	9.7	4.6	4.5
29	11	68	37	19	105	180	48	28	230	33	4.4	4.0
30	13	477	58	19	---	125	42	30	100	14	4.4	4.0
31	12	---	82	19	---	92	---	62	---	11	4.3	---
TOTAL	364	946	3387	1012	8924	4525	1266	1555	2770	591.1	219.7	129.7
MEAN	11.7	31.5	109	32.6	308	146	42.2	50.2	92.3	19.1	7.09	4.32
MAX	15	477	652	141	1600	500	110	160	470	70	15	6.5
MIN	10	11	32	18	15	42	26	25	13	8.2	4.3	3.4
CFSM	.14	.38	1.30	.39	3.68	1.74	.50	.60	1.10	.23	.08	.05
IN.	.16	.42	1.51	.45	3.97	2.01	.56	.69	1.23	.26	.10	.06

CAL YR 1975	TOTAL	32349.0	MEAN 88.6	MAX 1720	MIN 10	CFSM 1.06	IN 14.38			
WTR YR 1976	TOTAL	25689.5	MEAN 70.2	MAX 1600	MIN 3.4	CFSM .84	IN 11.42			

05524000 Carpenter Creek at Egypt, Ind.

LOCATION.--Lat 40°51'58", long 87°12'20", in SE¼SW¼ sec.15, T.28 N., R.7 W., Jasper County, on left bank at downstream side of bridge on State Highway 16, 0.5 mile (0.8 km) north of Egypt, 4 miles (6 km) southwest of Collegeville, and at mile 4.0 (6.4 km).

DRAINAGE AREA.--44.8 mi^2 (116.0 km^2).

PERIOD OF RECORD.--July 1948 to December 1951, October 1952 to current year.

GAGE.--Water-stage recorder. Datum of gage is 641.79 ft (195.618 m) above mean sea level. Prior to Sept. 6, 1955, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--27 years, 37.5 ft^3/s (1.062 m^3/s), 11.37 in/yr (289 mm/yr).

EXTREMES.--Current year: Maximum discharge, 712 ft^3/s (20.2 m^3/s) Feb. 11, gage height, 10.11 ft (3.082 m); minimum daily, 0.17 ft^3/s (0.005 m^3/s) Sept. 8, 13.
Period of record: Maximum discharge, 3,720 ft^3/s (105 m^3/s) June 10, 1958, gage height, 11.66 ft (3.554 m); no flow at times during 1953, 1955, 1956, 1959, 1963-66, 1970.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1175: 1949(M). WSP 1558: 1955-57. WSP 1728: 1951(M). WSP 2115: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	1.6	117	27	5.4	45	48	17	62	123	2.1	.41
2	2.6	2.8	57	28	5.2	45	40	16	42	68	1.8	.40
3	1.9	2.5	39	39	5.1	49	37	16	32	47	1.6	.42
4	1.6	2.9	33	29	5.0	69	33	15	25	35	1.5	.41
5	1.4	2.8	30	23	4.9	207	28	15	21	26	1.4	.31
6	1.4	2.9	32	19	4.8	166	27	23	18	20	2.2	.29
7	1.4	3.2	31	16	4.8	101	25	39	17	17	1.8	.20
8	1.5	3.1	29	13	5.5	74	22	30	16	14	1.5	.17
9	1.8	3.1	29	11	6.8	64	21	25	15	11	1.3	.85
10	1.6	2.2	26	10	190	55	21	22	13	9.0	1.2	1.2
11	1.5	1.9	24	11	568	56	21	20	13	7.2	1.1	.42
12	1.5	1.8	26	9.2	241	61	19	16	11	5.9	1.5	.20
13	1.5	1.8	31	10	149	60	19	16	23	4.9	1.4	.17
14	1.5	1.6	34	9.2	94	49	18	32	22	4.2	1.1	.18
15	1.4	1.4	287	8.6	77	44	18	68	15	3.9	1.5	.21
16	1.4	1.2	250	9.4	215	42	18	88	17	3.9	1.3	.23
17	1.3	1.2	131	8.1	465	38	18	55	11	3.1	.97	.29
18	1.4	1.3	73	7.5	272	37	18	38	62	2.4	.84	.40
19	1.8	1.3	56	7.0	200	35	18	30	212	2.0	.74	.40
20	1.8	1.3	45	6.8	137	33	18	25	62	2.0	.70	1.7
21	1.7	2.4	31	6.6	250	28	19	22	34	2.4	.59	.87
22	1.6	2.4	28	6.4	312	22	18	19	27	2.7	.66	.40
23	1.5	1.8	26	6.2	179	20	17	17	28	3.0	.68	.24
24	1.4	1.5	22	6.7	128	20	18	16	153	2.5	.62	.21
25	3.8	1.5	23	6.7	98	23	26	15	282	2.0	.60	.29
26	3.2	1.6	24	6.4	74	19	31	15	99	1.9	.61	1.1
27	2.7	2.0	20	6.1	61	183	24	13	52	1.9	.59	1.6
28	2.4	2.0	17	6.0	55	188	19	12	263	2.4	.49	.84
29	2.1	17	17	6.0	49	103	18	15	480	11	.36	.56
30	1.7	149	25	6.2	---	77	17	36	187	4.5	.35	.48
31	1.5	---	32	5.8	---	56	---	93	---	2.8	.36	---
TOTAL	57.5	223.1	1645	370.9	3861.5	2068	694	879	2314	446.6	33.46	15.45
MEAN	1.85	7.44	53.1	12.0	133	66.7	23.1	28.4	77.1	14.4	1.08	.52
MAX	3.8	149	287	39	568	207	48	93	480	123	2.2	1.7
MIN	1.3	1.2	17	5.8	4.8	19	17	12	11	1.9	.35	.17
CFSM	.04	.17	1.19	.27	2.97	1.49	.52	.63	1.72	.32	.02	.01
IN.	.05	.19	1.37	.31	3.21	1.72	.58	.73	1.92	.37	.03	.01

CAL YR 1975 TOTAL 16056.50 MEAN 44.0 MAX 712 MIN 1.2 CFSM .98 IN 13.33
WTR YR 1976 TOTAL 12608.51 MEAN 34.4 MAX 568 MIN .17 CFSM .77 IN 10.47

PEAK DISCHARGE (BASE, 600 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-11	0900	10.11	712	06-29	0300	9.73	647
02-17	0300	9.87	621				

05524500 Iroquois River near Foresman, Ind.

LOCATION.--Lat 40°52'14", long 87°18'24", in NE¼SE¼ sec.15, T.28 N., R.8 W., Newton County, on right bank at downstream side of bridge on State Highway 55, 0.2 mile (0.3 km) north of intersection of Highways 16 and 55, 0.5 mile (0.8 km) downstream from Mosquito Creek, 0.6 mile (1.0 km) west of Foresman, 3 miles (4 km) east of Brook, and at mile 72.7 (117.0 km).

DRAINAGE AREA.--449 mi^2 (1,163 km^2).

PERIOD OF RECORD.--WATER DISCHARGE: December 1948 to current year.
SEDIMENT DISCHARGE: July 1968 to current year (partial-record station).

GAGE.--Water-stage recorder. Datum of gage is 624.00 ft (190.195 m) above mean sea level. Prior to Sept. 7, 1955, nonrecording gage 2.5 miles (4.0 km) upstream at datum 3.54 ft (1.079 m) higher.

AVERAGE DISCHARGE.--27 years, 371 ft^3/s (10.51 m^3/s), 11.22 in/yr (285 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,940 ft^3/s (83.3 m^3/s) Feb. 18, gage height, 18.51 ft (5.642 m); minimum daily, 21 ft^3/s (0.59 m^3/s) Sept. 7, 8.
Period of record: Maximum discharge, 5,930 ft^3/s (168 m^3/s) June 14, 1958, gage height, 24.42 ft (7.443 m); minimum daily, 6.3 ft^3/s (0.18 m^3/s) Sept. 10, 1964.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1338: 1953. WSP 1438: 1955. WSP 1508: 1956. WSP 2115: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	47	814	338	130	836	1260	450	429	983	142	24
2	58	55	882	327	120	894	1040	391	367	789	105	24
3	56	62	787	371	115	1010	844	347	302	593	88	24
4	55	58	647	300	112	1230	698	311	253	395	88	23
5	52	56	509	260	110	1750	572	290	216	264	88	23
6	52	54	433	230	110	2120	481	356	194	223	124	22
7	51	55	472	210	108	2130	420	696	185	177	192	21
8	51	61	472	190	105	1990	369	843	169	151	165	21
9	52	64	436	170	105	1780	332	867	154	127	116	52
10	56	59	395	160	266	1560	313	803	142	108	91	89
11	56	58	354	165	1180	1340	307	688	135	94	80	76
12	49	57	337	170	1740	1160	290	550	130	82	73	48
13	47	55	401	181	1990	1020	278	436	179	77	78	50
14	47	52	484	179	1860	898	275	415	254	77	71	45
15	47	50	806	168	1640	765	270	463	201	77	61	44
16	48	50	1280	160	1640	669	262	616	185	86	56	43
17	53	49	1450	150	2550	594	245	630	164	82	51	41
18	50	47	1340	153	2910	534	232	548	175	77	42	40
19	48	45	1070	142	2890	497	229	439	725	77	39	40
20	51	47	821	140	2720	471	231	362	869	77	40	50
21	51	57	623	135	2630	500	250	314	792	77	39	58
22	49	66	447	132	2810	503	265	282	626	107	36	54
23	46	62	343	140	2750	472	249	259	598	181	36	46
24	44	57	294	151	2500	412	292	244	894	183	33	43
25	51	56	273	152	2150	404	417	231	1290	146	32	42
26	60	56	270	154	1840	381	663	216	1250	113	30	54
27	57	53	257	140	1530	755	748	202	1140	96	31	80
28	52	61	238	135	1260	1390	732	198	1060	97	31	80
29	53	141	224	138	999	1570	651	220	1190	224	29	64
30	46	539	250	140	---	1560	543	261	1150	292	26	55
31	47	---	319	142	---	1440	---	417	---	213	23	---
TOTAL	1595	2229	17728	5723	40870	32635	13758	13345	15418	6345	2136	1376
MEAN	51.5	74.3	572	185	1409	1053	459	430	514	205	68.9	45.9
MAX	60	539	1450	371	2910	2130	1260	867	1290	983	192	89
MIN	44	45	224	132	105	381	229	198	130	77	23	21
CFSM	.11	.17	1.27	.41	3.14	2.35	1.02	.96	1.14	.46	.15	.10
IN.	.13	.18	1.47	.47	3.39	2.70	1.14	1.11	1.28	.53	.18	.11

CAL YR 1975 TOTAL 164903 MEAN 452 MAX 2770 MIN 44 CFSM 1.01 IN 13.66
WTR YR 1976 TOTAL 153158 MEAN 418 MAX 2910 MIN 21 CFSM .93 IN 12.69

05524500 Iroquois River near Foresman, Ind.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	TIME	TEMPERATURE (DEG C)	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
FEB.							
18...	1520	2.0	2930	192	1520	78	90
MAR.							
24...	1040	10.0	436	54	63	--	--
APR.							
28...	1250	12.0	736	41	81	--	--
JUNE							
24...	1400	19.0	997	90	242	--	--
JULY							
01...	1200	19.0	997	77	207	--	--
SEP.							
15...	1245	21.5	43	88	10	--	--

DATE	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM
FEB.						
18...	96	97	98	99	99	100
MAR.						
24...	--	--	--	--	--	--
APR.						
28...	--	--	--	--	--	--
JUNE						
24...	--	--	--	--	--	--
JULY						
01...	--	--	--	--	--	--
SEP.						
15...	--	--	--	--	--	--

05525000 Iroquois River at Iroquois, Ill.

LOCATION.--Lat 40°49'25", long 87°34'55", in SE¼ sec.15, T.27 N., R.11 W., Iroquois County, on left bank at upstream side of bridge on U.S. Highway 52 in Iroquois, 500 ft (152 m) upstream from Penn Central bridge and 4.5 miles (7.2 km) downstream from Indiana-Illinois State line.

DRAINAGE AREA.--686 mi^2 (1,777 km^2).

PERIOD OF RECORD.--October 1944 to current year.

GAGE.--Water-stage recorder. Datum of gage is 614.34 ft (187.25 m) above mean sea level. Prior to Aug. 5, 1945, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--32 years, 536 ft^3/s (15.18 m^3/s), 10.61 in/yr (269 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,860 ft^3/s (109 m^3/s) Feb. 19, gage height, 19.53 ft (5.953 m); minimum, 24 ft^3/s (0.68 m^3/s) Sept. 8-9.
Period of record: Maximum discharge, 10,400 ft^3/s (295 m^3/s) June 13, 1958, gage height, 26.31 ft (8.019 m); minimum, 5.2 ft^3/s (0.15 m^3/s) Sept. 13, 1964.

REMARKS.--Records good except those for winter periods, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	65	1250	493	170	1320	1760	637	786	1870	195	30
2	75	69	1280	500	160	1250	1520	539	690	1560	137	29
3	72	73	1220	532	150	1290	1270	467	560	1230	108	29
4	67	81	1080	480	150	1600	1040	412	459	896	87	28
5	64	82	896	450	150	2410	848	378	382	618	78	28
6	62	81	740	430	150	2770	705	405	329	477	75	27
7	60	83	687	400	150	2830	598	813	299	394	114	26
8	60	84	694	370	150	2740	522	1030	279	333	159	25
9	60	88	685	340	150	2540	463	1090	253	285	139	33
10	60	94	605	310	503	2280	427	1060	229	247	109	59
11	64	91	510	280	1800	2010	407	972	213	216	85	80
12	66	91	460	260	2190	1760	385	829	198	189	79	76
13	61	88	595	250	2430	1530	363	675	308	167	75	54
14	55	83	854	240	2420	1320	353	582	554	146	75	45
15	53	81	2190	240	2290	1140	346	561	437	127	71	44
16	54	78	3310	230	2460	989	336	647	338	139	64	41
17	54	76	3570	220	3490	858	319	764	282	130	60	43
18	58	76	3470	220	3790	765	298	748	250	115	59	42
19	62	74	2950	210	3850	701	287	646	627	96	53	37
20	59	75	2330	200	3700	679	286	530	982	82	46	40
21	57	84	1610	200	3620	727	295	450	1020	78	45	45
22	59	89	900	200	3770	688	309	396	919	80	45	53
23	59	97	700	190	3690	654	311	358	783	105	43	54
24	57	97	520	190	3450	612	333	330	1140	154	42	46
25	62	93	471	190	3140	564	434	311	1610	151	40	40
26	66	91	450	190	2780	525	734	291	1660	124	40	46
27	74	93	424	180	2390	1130	869	270	1610	100	38	57
28	75	93	394	180	1990	1830	893	264	1880	98	37	74
29	70	194	370	170	1610	2000	850	278	2350	251	37	79
30	68	850	380	170	---	2040	756	374	2110	260	36	68
31	66	---	440	170	---	1940	---	643	---	256	33	---
TOTAL	1955	3394	36035	8685	56743	45492	18317	17750	23537	10974	2304	1378
MEAN	63.1	113	1162	280	1957	1467	611	573	785	354	74.3	45.9
MAX	76	850	3570	532	3850	2830	1760	1090	2350	1870	195	80
MIN	53	65	370	170	150	525	286	264	198	78	33	25
CFSM	.09	.16	1.69	.41	2.85	2.14	.89	.84	1.14	.52	.11	.07
IN.	.11	.18	1.95	.47	3.08	2.47	.99	.96	1.28	.60	.12	.07

CAL YR 1975 TOTAL 247289 MEAN 678 MAX 3820 MIN 53 CFSM .99 IN 13.41
WTR YR 1976 TOTAL 226564 MEAN 619 MAX 3850 MIN 25 CFSM .90 IN 12.29

05536190 Hart ditch at Munster, Ind.

LOCATION.--Lat 41°33'40", long 87°28'50", in SE¼NW¼ sec.20, T.36 N., R.9 W., Lake County, on left bank at city limits of Munster, 0.2 mile (0.3 km) downstream from Ridge Road, and 0.4 mile (0.6 km) upstream from mouth.

DRAINAGE AREA.--70.7 mi^2 (183.1 km^2).

PERIOD OF RECORD.--September 1942 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 591.27 ft (180.219 m) above mean sea level (levels by State of Indiana, Department of Natural Resources). Since Sept. 11, 1959, auxiliary water-stage recorder 1,200 ft (366 m) upstream from base gage, at same datum.

AVERAGE DISCHARGE.--34 years, 59.3 ft^3/s (1.679 m^3/s), 11.39 in/yr (289 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,270 ft^3/s (36.0 m^3/s) Mar. 5, gage height, 5.60 ft (1.707 m); minimum daily, 3.8 ft^3/s (0.11 m^3/s) Oct. 9, 12.
Period of record: Maximum discharge, 2,670 ft^3/s (75.6 m^3/s) Apr. 28, 1959; maximum gage height, 7.83 ft (2.387 m) Oct. 11, 1954; minimum daily discharge, 1.6 ft^3/s (0.045 m^3/s) Dec. 24-26, 31, 1963, Jan. 1, 2, Sept. 4-9, 14-17, 1964.

REMARKS.--Records good.

REVISIONS.--WRD Ind. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	7.8	62	28	10	435	54	58	60	19	17	5.5
2	5.5	7.0	37	26	8.5	379	48	50	44	12	15	5.5
3	6.2	9.6	28	23	8.0	619	44	46	37	8.7	12	6.2
4	5.5	7.8	23	21	9.0	787	44	37	30	8.7	7.8	6.2
5	4.8	7.8	27	19	9.0	1200	38	30	24	7.8	28	4.8
6	4.6	12	132	18	8.5	810	37	677	20	8.7	132	4.2
7	4.0	22	95	17	8.0	505	33	1050	19	15	104	4.2
8	3.9	23	58	17	10	239	29	634	18	21	38	4.8
9	3.8	22	49	16	13	149	28	261	16	14	27	24
10	4.6	21	40	16	60	113	25	135	14	8.7	18	7.8
11	3.9	13	33	15	317	90	24	88	12	7.8	16	7.0
12	3.8	8.7	33	15	241	108	24	64	12	7.8	25	7.0
13	4.2	7.8	64	14	250	177	20	52	12	8.7	16	7.0
14	18	7.8	157	14	143	108	20	52	12	7.0	12	7.0
15	16	7.8	323	14	127	84	20	62	10	14	10	7.0
16	4.8	7.0	219	12	191	66	19	70	8.7	12	9.6	7.8
17	4.2	7.0	113	11	300	54	18	50	9.6	8.7	10	8.7
18	6.0	7.0	52	12	239	50	16	42	26	6.2	8.7	9.6
19	12	7.0	44	12	191	48	15	34	14	6.2	7.3	17
20	7.0	20	37	12	121	52	22	28	9.6	22	7.0	7.0
21	7.0	14	32	12	601	49	27	27	9.6	137	7.8	5.5
22	7.8	13	27	12	796	44	24	23	9.6	61	6.2	5.5
23	7.8	11	24	11	381	40	27	22	8.7	119	5.5	5.5
24	28	9.6	23	11	205	37	49	22	16	49	5.5	6.2
25	26	11	23	10	149	37	795	20	12	19	5.5	7.0
26	14	8.7	22	9.5	111	36	962	18	9.6	15	5.5	73
27	8.7	8.7	19	9.0	88	174	485	17	8.7	10	5.5	23
28	7.0	9.6	18	9.0	68	185	197	37	14	60	8.7	12
29	5.5	83	18	10	77	103	113	68	61	100	7.0	9.6
30	5.5	113	28	10	---	84	79	118	38	40	6.2	12
31	7.0	---	30	10	---	64	---	90	---	23	5.5	---
TOTAL	252.6	514.7	1890	445.5	4740.0	6926	3336	3982	595.1	857.0	589.8	317.6
MEAN	8.15	17.2	61.0	14.4	163	223	111	128	19.8	27.6	19.0	10.6
MAX	28	113	323	28	796	1200	962	1050	61	137	132	73
MIN	3.8	7.0	18	9.0	8.0	36	15	17	8.7	6.2	5.5	4.2
CFSM	.12	.24	.86	.20	2.31	3.15	1.57	1.81	.28	.39	.27	.15
IN.	.13	.27	.99	.23	2.49	3.64	1.76	2.10	.31	.45	.31	.17

CAL YR 1975 TOTAL 28710.4 MEAN 78.7 MAX 1300 MIN 3.8 CFSM 1.11 IN 15.11
WTR YR 1976 TOTAL 24446.3 MEAN 66.8 MAX 1200 MIN 3.8 CFSM .94 IN 12.86

PEAK DISCHARGE (BASE, 800 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-22	0830	3.88	898	04-26	0530	5.16	1,140
03-05	2030	5.60	1,270	05-07	1100	5.25	1,150

05536195 Little Calumet River at Munster, Ind.

LOCATION.--Lat 41°34'07", long 87°31'18", in SE¼NW¼ sec.13, T.36 N., R.10 W., Lake County, on left bank 200 ft (61 m) upstream from Hohman Street bridge at north city limits of Munster, 0.4 mile (0.6 km) upstream from Indiana-Illinois State line, and 4.6 miles (7.4 km) upstream from mouth of Thorn Creek.

DRAINAGE AREA.--90.0 mi^2 (233 km^2). 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 (177.003 m) above mean sea level.

AVERAGE DISCHARGE.--18 years, 70.7 ft^3/s (2.002 m^3/s), 10.67 in/yr (271 mm/yr).

EXTREMES.--Current year: Maximum discharge, 853 ft^3/s (24.2 m^3/s) Mar. 5, gage height, 13.04 ft (3.975 m); minimum daily, 4.3 ft^3/s (0.12 m^3/s) Oct. 8, 11, 12.
Period of record: Maximum discharge, 1,510 ft^3/s (42.8 m^3/s) Apr. 28, 1959, gage height, 13.67 ft (4.167 m); maximum gage height, 14.43 ft (4.398 m) Dec. 25, 1965; minimum daily discharge, 1.9 ft^3/s (0.054 m^3/s) Aug. 20, 1964.

REMARKS.--Records good. Flow from eastern portion of Little Calumet River basin is diverted to Lake Michigan by Burns ditch.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	11	106	43	15	366	91	172	91	35	25	7.7
2	23	10	71	40	14	416	82	151	77	23	20	8.1
3	9.4	12	55	36	13	522	73	136	66	17	15	8.2
4	7.1	11	45	33	14	612	73	117	52	14	12	7.5
5	6.2	11	41	30	14	820	62	99	40	12	45	7.1
6	5.9	12	155	28	13	726	57	422	33	12	190	6.9
7	5.7	30	141	27	13	527	51	556	28	14	150	7.1
8	4.3	26	96	26	14	400	45	584	26	27	55	7.3
9	5.9	17	84	25	20	321	40	398	23	19	40	27
10	6.1	27	72	24	90	262	37	302	22	15	26	15
11	4.3	15	60	24	243	217	34	230	20	10	24	11
12	4.3	15	57	23	260	209	32	183	18	9.8	26	9.2
13	5.9	12	75	22	256	225	29	156	17	9.6	23	11
14	8.9	12	148	22	204	188	27	142	19	9.4	26	11
15	41	12	291	21	166	155	26	143	18	11	18	10
16	9.4	11	267	18	191	135	25	103	15	14	15	11
17	8.1	10	191	17	271	117	23	108	14	14	14	10
18	8.1	10	127	18	263	105	20	90	36	12	12	11
19	16	9.4	108	19	236	97	19	78	28	11	11	14
20	11	24	80	19	180	97	30	65	19	25	10	23
21	9.6	25	68	19	429	91	38	53	15	300	10	10
22	9.6	18	59	18	579	82	34	44	18	100	9.4	8.2
23	9.2	16	49	18	433	73	31	37	14	200	8.8	8.1
24	14	14	42	17	321	67	61	31	18	60	9.4	7.7
25	71	16	38	16	251	63	494	29	19	30	9.0	8.1
26	27	15	35	15	202	58	730	26	14	22	8.4	77
27	18	17	32	14	162	159	515	23	13	15	8.6	38
28	15	17	29	14	135	261	352	42	17	90	10	20
29	12	100	27	16	121	151	265	90	59	130	10	15
30	11	155	42	16	---	125	212	136	77	60	8.2	12
31	11	---	47	16	---	103	---	125	---	35	8.8	---
TOTAL	405.5	690.4	2738	694	5123	7750	3608	4871	926	1355.8	857.6	427.2
MEAN	13.1	23.0	88.3	22.4	177	250	120	157	30.9	43.7	27.7	14.2
MAX	71	155	291	43	579	820	730	584	91	300	190	77
MIN	4.3	9.4	27	14	13	58	19	23	13	9.4	8.2	6.9
CFSM	.15	.26	.98	.25	1.97	2.78	1.33	1.74	.34	.49	.31	.16
IN.	.17	.29	1.13	.29	2.12	3.20	1.49	2.01	.38	.56	.35	.18

CAL YR 1975 TOTAL 35687.9 MEAN 97.8 MAX 700 MIN 4.3 CFSM 1.09 IN 14.75
WTR YR 1976 TOTAL 29446.5 MEAN 80.5 MAX 820 MIN 4.3 CFSM .89 IN 12.17

05536275 Thorn Creek at Thornton, Ill.

LOCATION.--Lat 41°34'05", long 87°36'30", near center of N½ sec.34, T.36 N., R.14 E., Cook County, on right bank at downstream side of bridge on Margaret Street in Thornton, 1 mile (2 km) downstream from North Creek, and at mile 4.2 (6.8 km).

DRAINAGE AREA.--104 mi^2 (269 km^2).

PERIOD OF RECORD.--May 1948 to current year. Prior to October 1974, records published with those for streams in the St. Lawrence River basin (WSP 1307, 1727, 1911, 2111, WDR IL 1971-74).

GAGE.--Water-stage recorder. Datum of gage is 586.43 ft (178.744 m) above mean sea level. Prior to Dec. 18, 1948, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--28 years, 98.6 ft^3/s (2.792 m^3/s), 12.88 in/yr (327 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,940 ft^3/s (54.9 m^3/s) Apr. 25, gage height, 12.48 ft (3.804 m); minimum daily, 22 ft^3/s (0.62 m^3/s) June 27.
Period of record: Maximum discharge, 4,700 ft^3/s (133 m^3/s) July 13, 1957, gage height, 16.00 ft (4.877 m); minimum daily, 4.4 ft^3/s (0.12 m^3/s) Sept. 11, 1949.
Flood of Apr. 5, 1947, reached a stage of 14.34 ft (4.371 m), from floodmark, discharge, 4,200 ft^3/s (119 m^3/s).

REMARKS.--Records good. Some diurnal fluctuation caused by pumping operations above station. Figures of discharge include about 16 ft^3/s (0.45 m^3/s) pumped from ground-water sources for municipal supply and an undetermined amount of ground-water pumpage for industrial use.

REVISIONS.--WSP 1707: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	31	93	43	26	691	80	102	100	54	64	32
2	40	33	55	57	24	707	69	91	71	40	49	31
3	45	42	42	54	24	1100	62	89	56	37	43	32
4	42	40	36	45	26	1140	64	76	46	30	38	32
5	39	38	34	42	30	1540	60	69	46	28	128	28
6	38	41	184	39	31	856	53	852	45	25	432	30
7	37	84	106	38	33	379	46	1560	43	28	257	26
8	35	45	59	34	33	247	43	670	45	33	114	31
9	36	32	60	34	37	185	43	317	39	32	69	76
10	36	50	54	31	191	146	39	195	37	33	53	45
11	35	39	42	31	388	119	39	137	36	29	40	36
12	33	33	42	30	258	152	36	104	37	29	62	31
13	36	31	67	32	241	133	36	95	38	29	47	26
14	46	31	151	34	148	106	40	97	37	29	36	26
15	113	35	375	33	121	97	46	148	39	39	30	25
16	41	39	207	34	202	86	45	142	43	42	28	23
17	32	37	111	30	354	75	44	97	39	32	31	24
18	28	34	72	28	288	71	47	73	78	26	31	25
19	48	32	60	31	221	64	46	62	64	25	31	25
20	35	53	54	32	142	79	61	60	43	37	32	54
21	30	62	48	33	805	79	62	57	36	589	33	26
22	28	48	44	32	976	60	56	54	37	228	32	23
23	28	37	43	31	400	56	56	44	36	409	29	23
24	30	31	40	30	245	56	128	38	51	215	28	26
25	136	41	38	28	175	52	1090	39	44	97	30	29
26	52	44	37	29	133	51	1410	40	30	61	29	152
27	33	46	36	30	108	285	560	42	22	49	42	75
28	30	49	33	30	94	234	285	78	33	125	34	37
29	29	201	35	32	92	134	179	147	67	348	28	27
30	28	236	61	32	---	125	128	248	94	165	26	23
31	28	---	54	30	---	98	---	166	---	91	29	---
TOTAL	1287	1595	2373	1069	5846	9203	4953	5989	1432	3034	1955	1099
MEAN	41.5	53.2	76.5	34.5	202	297	165	193	47.7	97.9	63.1	36.6
MAX	136	236	375	57	976	1540	1410	1560	100	589	432	152
MIN	28	31	33	28	24	51	36	38	22	25	26	23
CFSM	.40	.51	.74	.33	1.94	2.86	1.59	1.86	.46	.94	.61	.35
IN.	.46	.57	.85	.38	2.09	3.29	1.77	2.14	.51	1.09	.70	.39

CAL YR 1975 TOTAL 42432 MEAN 116 MAX 1430 MIN 21 CFSM 1.12 IN 15.18
WTR YR 1976 TOTAL 39835 MEAN 109 MAX 1560 MIN 22 CFSM 1.05 IN 14.25

PEAK DISCHARGE (BASE, 900 FT^3/S)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
02-21	2315	10.52	1,330	04-25	2300	12.48	1,940
03-05	1215	11.80	1,690	05-07	0400	12.36	1,890

05536290 Little Calumet River at South Holland, Ill.

LOCATION.--Lat 41°36'05", long 87°34'38", in SW¼SW¼ sec.13, T.36 N., R.14 E., Cook County, on right bank at downstream side of bridge on U.S. Highway 6, 0.6 mile (1.0 km) downstream from Thorn Creek, 1.6 miles (2.6 km) east of South Holland, and at mile 21.7 (34.8 km).

DRAINAGE AREA.--205 mi^2 (531 km^2).

PERIOD OF RECORD.--October 1947 to current year. Prior to October 1974, records published with those for streams in the St. Lawrence River basin (WSP 1307, 1727, 1911, 2111, WDR IL 1971-74).

GAGE.--Water-stage recorder. Datum of gage is 575.00 ft (175.260 m) above mean sea level (Illinois Department of Transportation bench mark). Prior to Oct. 27, 1947, nonrecording gage at same site and datum. Nov. 17, 1947 to Nov. 19, 1970, auxiliary water-stage recorder at Dixmoor, 6.1 miles (9.8 km) downstream; prior to Nov. 17, 1947, nonrecording gage at same site read twice daily.

AVERAGE DISCHARGE.--29 years, 178 ft^3/s (5.041 m^3/s), 11.79 in/yr (299 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,650 ft^3/s (75.0 m^3/s) Mar. 5, gage height, 16.61 ft (5.063 m); minimum daily, 30 ft^3/s (0.85 m^3/s) Sept. 6-7.
Period of record: Maximum discharge, 4,440 ft^3/s (126 m^3/s) July 14, 1957, gage height, 20.11 ft (6.130 m); minimum daily, 7.9 ft^3/s (0.22 m^3/s) Oct. 6, 1950.
Flood of Apr. 6, 1947, reached a stage of 19.24 ft (5.864 m), from floodmarks, discharge, 4,760 ft^3/s (135 m^3/s).

REMARKS.--Records good except those for winter periods, which are poor. Flow from upper Little Calumet River is diverted to Lake Michigan by Burns ditch. Calumet Sag Channel, 8 miles (12.9 km) below station, diverts the entire flow to the Mississippi River basin.

REVISIONS (WATER YEARS).--WSP 1507: 1950, 1953.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	41	245	99	46	1080	209	310	219	106	97	33
2	55	42	156	113	44	1360	185	267	155	74	73	31
3	53	49	118	110	43	1660	171	249	123	65	67	33
4	47	50	102	100	44	2040	182	212	101	56	61	33
5	44	46	95	88	46	2560	163	184	87	50	89	31
6	41	44	318	80	48	2120	139	1180	78	50	550	30
7	42	106	279	75	50	1130	125	2410	70	50	491	30
8	40	74	187	68	52	762	112	1640	68	64	205	31
9	41	58	168	67	58	587	105	842	65	60	112	84
10	41	78	153	65	286	474	101	558	62	59	82	75
11	39	62	123	67	678	390	98	409	59	49	65	44
12	37	53	117	64	567	402	89	311	57	42	100	37
13	35	51	145	62	509	405	85	261	52	42	83	34
14	46	47	286	63	400	351	84	253	53	42	68	35
15	134	51	697	60	318	299	89	299	55	42	54	34
16	58	50	521	58	379	266	87	318	54	60	46	31
17	41	47	338	55	652	233	78	226	54	48	46	32
18	35	46	252	52	593	214	83	175	85	39	46	32
19	57	42	200	54	506	200	80	146	124	34	44	34
20	53	61	150	58	376	205	93	129	62	51	41	73
21	43	86	125	60	1260	222	124	115	53	847	42	42
22	40	68	112	58	1810	178	117	102	54	501	43	32
23	38	57	106	56	1050	161	101	88	52	879	40	32
24	44	49	96	52	658	153	200	76	63	467	39	32
25	205	55	91	49	492	141	1460	72	78	184	38	35
26	86	60	85	46	392	134	2430	72	51	108	36	222
27	57	61	83	47	322	413	1420	68	43	84	38	146
28	49	64	76	46	272	485	749	96	50	118	57	68
29	43	259	73	49	255	343	515	256	111	518	45	51
30	41	382	108	49	---	299	389	411	253	281	36	44
31	40	---	120	48	---	244	---	328	---	142	36	---
TOTAL	1669	2239	5725	2018	12206	19511	9863	12063	2491	5212	2870	1501
MEAN	53.8	74.6	185	65.1	421	629	329	389	83.0	168	92.6	50.0
MAX	205	382	697	113	1810	2560	2430	2410	253	879	550	222
MIN	35	41	73	46	43	134	78	68	43	34	36	30
CFSM	.26	.36	.90	.32	2.05	3.07	1.60	1.90	.40	.82	.45	.24
IN.	.30	.41	1.04	.37	2.21	3.54	1.79	2.19	.45	.95	.52	.27

CAL YR 1975 TOTAL 85171 MEAN 233 MAX 2360 MIN 34 CFSM 1.14 IN 15.46
WTR YR 1976 TOTAL 77368 MEAN 211 MAX 2560 MIN 30 CFSM 1.03 IN 14.04

REVISED STREAMFLOW RECORDS FOR PREVIOUS PUBLISHED DATA

During periods of computing the yearly records of discharges for some stations, error and/or corrections are found in previous published records. These errors and/or corrections vary in magnitude and length. Definable limits of error have been established which outline what data should be revised. Listed below are the revised data for station record of past years which revisions were deemed necessary.

03342800 South Fork Smalls Creek at Bruceville, Ind.

Revised peak discharges for the 1974 water year and revised daily discharges, in cubic feet per second, for high-water periods, are given below. These figures supersede those published in the report for 1974.

Nov. 24, 1973..... 74
25..... 92

Sept. 1, 1974..... 51
10..... 151
12..... 152
28..... 76

Month	Total	Mean	Max	Min	Ft³/sq mi	In.
Nov. 1973	233.05	7.77	92	.04	1.57	1.75
Sept. 1974	887.41	29.6	152	.58	5.99	6.68
Wtr Yr 1974	3,181.95	8.72	152	0	1.76	23.96

PEAK DISCHARGE (BASE, 250 FT³/S)

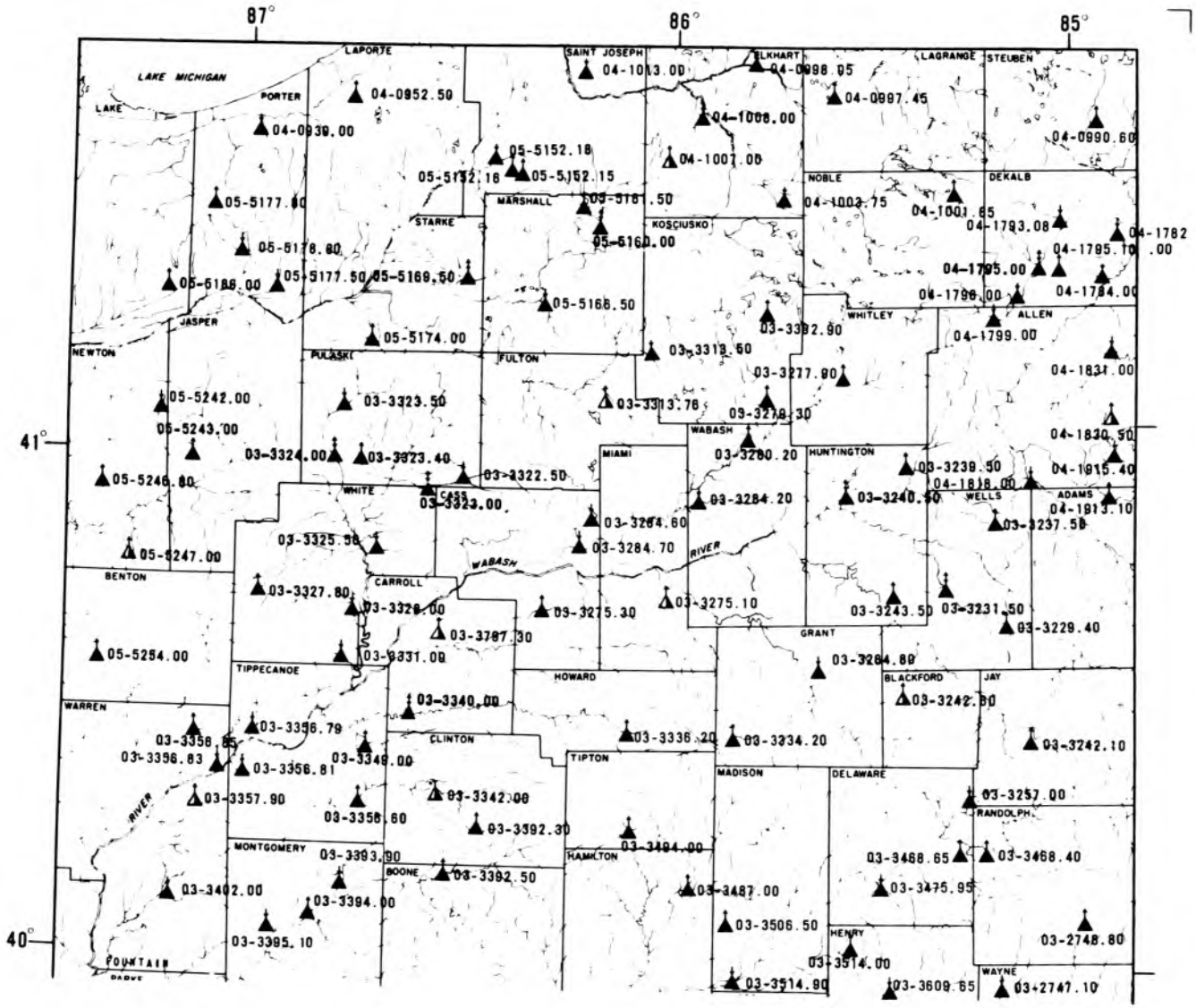
DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
11-24	1000	10.10	506	05-30	2000	10.25	546
11-25	0400	9.62	395	08-18	0300	10.20	533
12-26	1530	9.28	331	09-10	0945	10.87	736
01-26	1645	9.70	412	09-12	0415	11.34	910
05-18	1700	10.24	544				

03361650 Sugar Creek at New Palestine, Ind.

Revised figures of discharge for the water year 1975, superseding those published in the report for 1975, are given below.

DAY	JUN	JUL	AUG	SEP
1	64	22	8.4	7.3
2	64	19	8.4	6.8
3	63	17	8.8	7.8
4	57	16	11	9.1
5	56	17	10	6.2
6	52	30	9.3	6.2
7	58	20	7.6	6
8	47	17	7.3	5.8
9	42	18	7.8	5.3
10	39	21	8.6	5.3
11	76	16	7.8	11
12	84	14	7.1	13
13	62	14	8.0	9
14	51	13	9.5	7.3
15	47	13	8.6	7.4
16	44	12	8.6	6.1
17	43	11	9.6	5.8
18	39	18	10	5.6
19	36	18	8.7	5.2
20	46	14	8.1	5.9
21	139	13	7.9	5.6
22	58	12	7.3	5.4
23	39	11	6.9	5.5
24	32	10	6.6	5.2
25	30	11	6.1	6.0
26	35	10	6.4	6.4
27	57	9.2	6.4	6.7
28	42	15	5.6	6.7
29	31	12	5.9	7.4
30	25	9.3	7.3	6.8
31	---	8.6	7.5	---

Month	Total	Mean	Max	Min	Ft³/sq mi	In.
June 1975	1,558	51.9	139	25	0.55	0.62
July 1975	461.1	14.9	30	8.6	.16	.18
Aug. 1975	247.1	7.97	11	5.6	.08	.10
Sept. 1975	203.8	6.79	13	5.2	.07	.08
Wtr Yr 1975	42,589.0	117	1,430	5.2	1.25	16.88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MARSHALL
KOSCIUSKO
WHITLEY
ALLEN
JASPER
NEWTON
PULASKI
FULTON
WABASH
HUNTINGTON
MIAMI
WHITE
CASS
WELLS
ADAMS
BENTON
CARROLL
WABASH RIVER
GRANT
BLACKFORD
JAY
TIPPECANOE
HOWARD
WARREN
CLINTON
TIPTON
MADISON
DELAWARE
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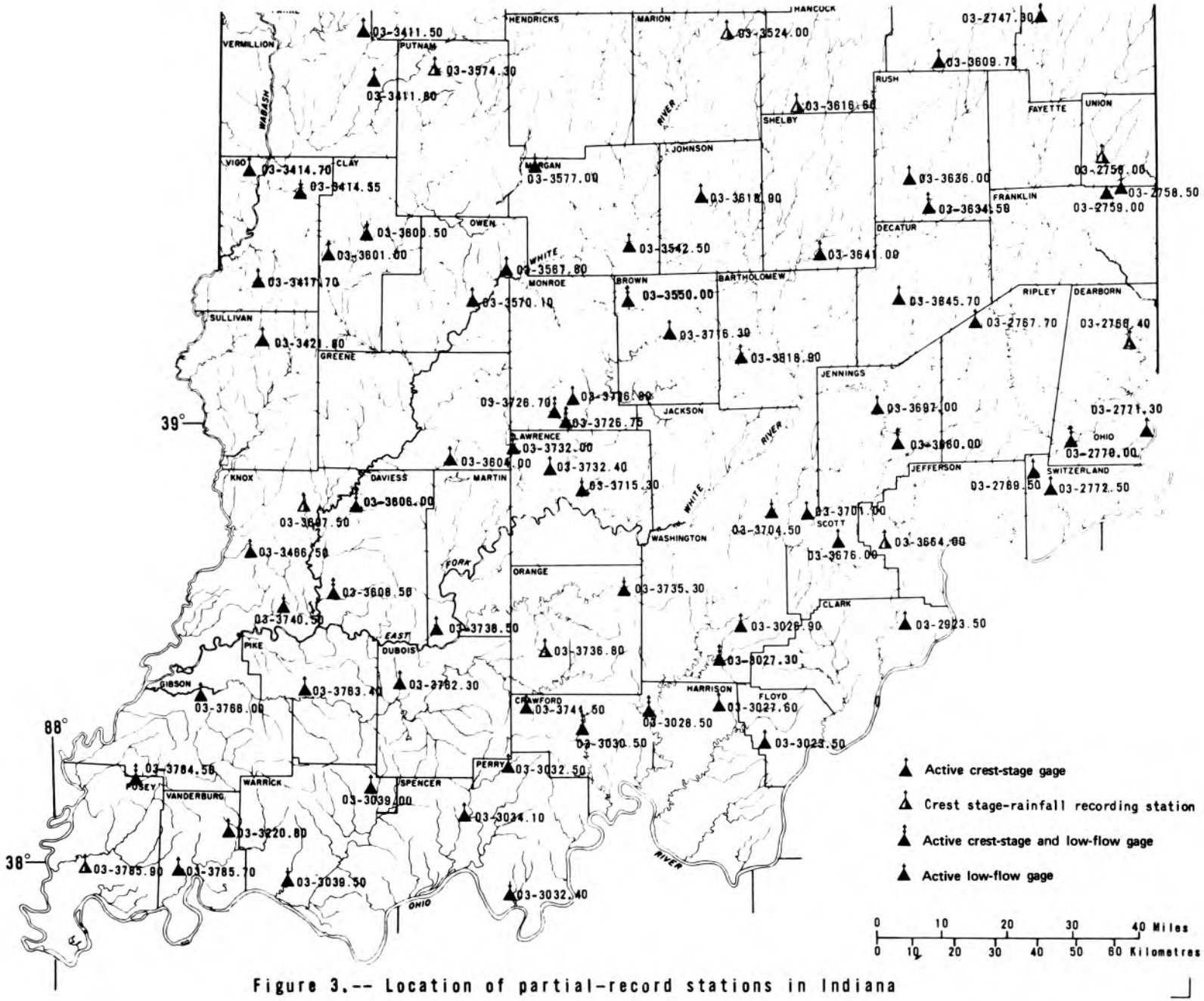

Figure 3.-- Location of partial-record stations in Indiana

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or flood-flow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. Most of these measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, will give a picture of the low-flow potentiality of the stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

Discharge measurements made at low-flow partial-record stations during Water Year 1976

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		OHIO RIVER BASIN				
		Great Miami River				
03274710	Nettle Creek near Hagerstown, Ind.	Lat 39°55'30", long 85°10'39", in W½ sec.15, T.17 N., R.12 E., Wayne County, at bridge on Leavell Road, 1.3 miles northwest of Hagerstown.	17.7	1971-76	10-02-75 04-13-76 07-20-76	4.72 10.6 9.53
03275850	Hannah Creek near Roseburg, Ind.	Lat 39°34'58", long 84°56'48", in SW¼SW¼ sec.25, T.11 N., R.2 W., Union County, at bridge on State Highway 101, 0.5 mile south of Roseburg.	about 25	1976	10-01-75 04-14-76 07-21-76	.68 6.11 1.75
		Blue River Basin				
03302850	Whiskey Run at Milltown, Ind.	Lat 86°21'08", long 86°17'01", in SE¼SW¼ sec.10, T.2 S., R.2 E., Crawford County, at county road bridge, 0.25 mile south of State Highway 64, and 0.8 mile north of intersection of Main Street and Station Street in Milltown.	39.8	1975-76	10-03-75 04-14-76 08-31-76	.47 11.7 2.11
		Deer Creek Basin				
03303250	Deer Creek near Cannelton, Ind.	Lat 37°58'16", long 86°38'39", in SW¼SE¼SE¼ sec. 20, T.6 S., R.2 W., Perry County, at county road bridge, 6.8 miles northeast of Cannelton.	8.7	1975-76	10-02-75 04-14-76 07-21-76	.05 3.34 .16
		Little Pigeon River Basin				
03303950	Otter Creek near DeGonia Springs, Ind.	Lat 38°02'24", long 87°12'22", in SE¼SE¼NE¼ sec.32, T.5 S., R.7 W., Warrick County, at bridge on State Highway 62, 1.5 miles southwest of DeGonia Springs.	about 30	1974-76	10-02-75 04-13-76 07-21-76	1.47 5.31 3.00
		Wabash River				
03325700	Halfway Creek near Albany, Ind.	Lat 40°19'37", long 85°12'56", in NW¼NW¼SE¼ sec.29, T.22 N., R.12 E., Delaware County, at bridge on County Road 15 East, 1.0 mile north of State Highway 67, 1.5 miles northeast of Albany.	about 19	1974-76	10-02-75 04-14-76 07-20-76	.47 2.02 .33
03326480	Lugar Creek at Marion, Ind.	Lat 40°32'20", long 85°37'40", in SW¼SE¼SW¼ sec.9, T.24 N., R.8 E., Grant County, at bridge on Stone Road, 2.0 miles east of Marion.	about 30	1972-76	10-02-75 04-13-76 07-20-76	1.46 4.30 1.46
03328420	Paw Paw Creek near Roann, Ind.	Lat 40°53'40", long 85°53'19", in SW¼NW¼NW¼ sec.8, T.28 N., R.6 E., Wabash County, at bridge on State Highway 15, 3.5 miles northwest of intersection of State Highways 115 and 15.	about 31	1973-76	10-03-75 04-13-76 07-20-76	2.48 6.08 1.98
03328460	East Branch Twelvemile Creek near Twelve Mile, Ind.	Lat 40°50'16", long 86°12'22", on line between secs.28 and 29, T.28 N., R.3 E., Cass County, at bridge on County Road 900 East, 2 miles southeast of Twelve Mile.	about 24	1976	10-08-75 04-13-76 08-24-76	6.81 15.3 1.98
03328470	Twelvemile Creek near Hoover, Ind.	Lat 40°48'03", long 86°13'22", in NE¼SW¼ of Little Charlie's Reserve, T.27 N., R.3 E., Cass County, at bridge on County Road 300 North, 1.2 miles west of Hoover.	about 52	1976	10-08-75 04-13-76 08-24-76	16.8 33.3 6.91
03331350	Big Yellow Creek near Mentone, Ind.	Lat 41°10'18", long 86°07'16", in NW¼NE¼ sec.6, T.31 N., R.4 E., Fulton County, at bridge on State Highway 25, 4.5 miles west of Mentone.	43.7	1969-76	10-01-75 04-14-76 07-21-76	5.24 26.7 7.66
03332250	Indian Creek near Thornhope, Ind.	Lat 40°55'12", long 86°31'42", in NE¼SE¼NE¼ sec.33, T.29 N., R.1 W., Pulaski County, at bridge on U.S. Highway 35, 0.3 mile south of Thornhope.	56.6	1968, 1970-76	10-03-75 04-13-76 08-24-76	14.7 33.2 8.78

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements: Date	Measurements: Discharge (ft^3/s)
		OHIO RIVER BASIN--Continued				
		Wabash River--Continued				
03332350	Big Monon Creek near Medaryville, Ind.	Lat 41°03'21", long 86°50'02", in NW¼NW¼ sec.13, T.30 N., R.4 W., Pulaski County, at bridge on State Highway 14, 3 miles east of intersection of U.S. Highway 421 and State Highway 14, 3.5 miles southeast of Medaryville.	69.6	1968-69, 1971-76	10-03-75 04-14-76 08-23-76	27.1 68.7 26.6
03332550	Pike Creek near Norway, Ind.	Lat 40°46'51", long 86°44'42", in NE¼NE¼NW¼ sec.22, T.27 N., R.3 W., White County, at bridge on State Highway 39, 2 miles north of U.S. Highway 24.	about 29	1974-76	10-07-75 04-13-76 08-23-76	15.6 20.5 5.98
03332800	Big Creek near Monticello, Ind.	Lat 40°40'16", long 86°47'14", in SW¼NW¼SW¼ sec.29, T.26 N., R.3 W., White County, at bridge on county road, 4.8 miles east of State Highway 43 in Chalmers.	55.3	1968-69 1971-76	10-07-75 04-13-76 08-23-76	19.8 25.5 3.19
03333100	Moots Creek near Brookston, Ind.	Lat 40°34'18", long 86°48'42", on line between sec.36, T.25 N., R.4 W., and sec. 31, T.25 N., R.3 W., White County, at bridge on County Road 300 East, 3.5 miles southwest of Brookston.	about 40	1976	10-03-75 04-13-76 07-21-76	19.4 14.1 5.17
03335679	Flint Creek near West Point, Ind.	Lat 40°20'25", long 87°04'02", in SE¼NW¼ sec.23, T.22 N., R.6 W., Tippecanoe County, at bridge on County Road 510 South, 1.2 miles west of State Highway 25 in West Point.	about 35	1976	10-01-75 04-13-76 07-21-76	4.50 11.0 .80
03335680	Indian Creek near Greenhill, Ind.	Lat 40°25'03", long 87°02'31", in SE¼SW¼SE¼ sec.24, T.23 N., R.6 W., Tippecanoe County, at bridge on South River Road, 6.5 miles west of West Lafayette.	about 30	1962-76	10-03-75 04-13-76 07-21-76	2.32 6.38 .65
03335681	Kickapoo Creek near Attica, Ind.	Lat 40°19'27", long 87°14'05", in SE¼NW¼ sec.29, T.22 N., R.7 W., Warren County, at bridge on Kickapoo Road, 0.5 mile north of Independence Road.	about 38	1976	10-02-75 04-13-76 07-21-76	5.75 10.7 5.21
03339390	Lye Creek near Darlington, Ind.	Lat 40°07'40", long 86°48'36", on line between sec.1, T.19 N., R.4 W., and sec.36, T.20 N., R.4 W., Montgomery County, at bridge on County Road 600 North, 3.0 miles northwest of State Highway 47 in Darlington.	about 75	1976	10-02-75 04-12-76 07-21-76	11.3 23.4 9.41
03339510	Black Creek near Crawfordsville, Ind.	Lat 40°03'40", long 86°56'58", in SW¼NE¼ sec.26, T.19 N., R.5 W., Montgomery County, at bridge on U.S. Highway 136, 2.0 miles northwest of Crawfordsville.	about 25	1976	10-02-75 04-12-76 07-21-76	6.88 11.6 5.45
03340200	Mill Creek near Wallace, Ind.	Lat 39°58'03", long 87°10'28", in SW¼SW¼SE¼ sec.26, T.18 N., R.7 W., Fountain County, at bridge on State Highway 234, 1.4 miles west of State Highway 341.	about 41	1974-76	10-02-75 04-13-76 07-20-76	3.70 11.0 3.44
03341455	Sulphur Creek near Burnett, Ind.	Lat 39°31'26", long 87°17'25", in SW¼SW¼ sec.34, T.13 N., R.8 W., Vigo County, at Triple Barrel Culvert on County Road 15 North, 1.5 miles south of Burnett.	about 25	1976	10-01-75 04-14-76 07-20-76	3.65 12.1 3.04
03347595	Bell Creek near Yorktown, Ind.	Lat 40°08'43", long 85°27'03", in SW¼NE¼ sec.36, T.20 N., R.9 E., Delaware County, at bridge on Belle Creek Road, 0.2 mile west of County Road 325 West and 3 miles southeast of Yorktown.	about 44	1976	10-02-75 04-13-76 07-20-76	6.89 16.4 16.8
03351490	Lick Creek near Fortville, Ind.	Lat 39°57'22", long 85°50'36", on line between secs. 3 and 4, T.17 N., R.6 E., Madison County, at bridge on State Highway 13, 1.5 miles north of U.S. Highway 36 in Fortville.	about 36	1972-76	10-02-75 04-13-76 07-20-76	5.28 17.6 15.9
03357700	Mud Creek near Little Point, Ind.	Lat 39°34'34", long 86°37'54", on line between secs. 9 and 10, T.13 N., R.2 W., Morgan County, at bridge on County Road 1100 West, 0.8 mile north of Little Point and 1.7 miles south of the Hendricks-Morgan County line.	about 35	1976	10-01-75 04-13-76 07-20-76	1.24 9.78 3.53
03360050	Birch Creek near Ashboro, Ind.	Lat 39°24'14", long 87°06'41", in NE¼SE¼SE¼ sec.7, T.11 N., R.6 W., Clay County, at bridge on State Highway 59, 0.5 mile northwest of Ashboro.	about 41	1974-76	10-01-75 04-14-76 07-20-76	3.18 13.1 3.82
03360850	Veales Creek near Washington, Ind.	Lat 38°36'15", long 87°11'39", in NE¼NE¼SW¼ sec.16, T.2 N., R.7 W., Daviess County, at bridge on State Highway 57, 3.7 miles southwest of Washington.	about 32	1974-76	10-01-75 04-13-76 07-21-76	1.44 4.35 1.32
03360965	Duck Creek at Greensboro, Ind.	Lat 39°52'46", long 85°28'03", in SW¼NE¼ sec.35, T.17 N., R.9 E., Henry County, at bridge on County Road 350 South at west edge of Greensboro.	about 25	1976	10-01-75 04-13-76 07-20-76	3.89 10.3 6.13
03370450	Grassy Fork at Tampico, Ind.	Lat 38°47'48", long 85°57'12", in SE¼SW¼ sec.10, T.4 N., R.5 E., Jackson County, at bridge on State Highway 39, 0.25 mile south of Tampico.	about 12.5	1976	10-03-75 04-13-76 07-21-76	6.48 8.84 7.20

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		OHIO RIVER BASIN--Continued				
		Wabash River--Continued				
03371530	Leatherwood Creek at Bedford, Ind.	Lat 38°50'23", long 86°28'38", in SE¼SW¼NW¼ sec.25, T.5 N., R.1 W., Lawrence County, at bridge on county road, 1.6 miles southeast of courthouse in Bedford.	about 39	1972-76	10-01-75 04-13-76 07-20-76	1.22 10.0 3.30
03373580	Lost River near Orleans, Ind.	Lat 38°38'11", long 86°21'54", in NE¼SE¼ sec.2, T.2 N., R.1 E., Orange County, at bridge on County Road 400 East, 0.61 mile north of State Highway 337.	about 35	1976	10-01-75 04-13-76 07-22-76	2.47 7.04 5.88
03374050	Upper River Deshee near Monroe City, Ind.	Lat 38°37'16", long 87°23'53", in NW¼ of Survey 10, Vincennes Tract, T.2 N., R.9 W., Knox County, at bridge on State Highway 61, 1.9 miles west of intersection of State Highways 61 and 241.	about 14.9	1976	10-15-75 04-13-76 07-20-76	.47 2.63 .32
		STREAMS TRIBUTARY TO LAKE MICHIGAN				
04093900	Coffee Creek at Chesterton, Ind.	Lat 41°36'24", long 87°03'03", on line between sec.1, T.37 N., R.6 W., and sec.36, T.37 N., R.6 W., in town of Chesterton, Porter County, at bridge on Porter Avenue, 0.05 mile east of State Highway 49.	about 15	1976	10-02-75 04-13-76 07-20-76	8.62 12.5 6.82
		St. Joseph River				
04099805	Little Elkhart River near Middlebury, Ind.	Lat 41°39'15", long 85°40'14", on line between secs.13 and 24, T.37 N., R.7 E., Elkhart County, at bridge on U.S. Highway 20, 2.2 miles southeast of Middlebury.	60.6	1972-76	10-08-75 04-13-76 08-25-76	16.8 30.7 25.4
04100375	Solomon Creek near Syracuse, Ind.	Lat 41°27'03", long 85°42'43", in NE¼NE¼NE¼ sec.33, T.35 N., R.7 E., Elkhart County, at bridge on U.S. Highway 6, 0.75 mile west of State Highway 13.	about 34	1974-76	10-03-75 04-13-76 08-26-76	12.7 25.7 15.0
04101300	Judy Creek at Roseland, Ind.	Lat 41°43'18", long 86°15'02", in NE¼NW¼ sec.25, T.38 N., R.2 E., St. Joseph County, at bridge on U.S. Highway 31, 150 ft south of Interstates 80 and 90 at the north edge of Roseland.	about 37	1973-76	10-04-75 04-14-76 08-26-76	4.81 19.8 8.76
		STREAMS TRIBUTARY TO LAKE ERIE				
		Maumee River				
04178200	Metcalfe ditch near Newville, Ind.	Lat 41°23'10", long 84°50'43", on line between secs.19 and 30, T.34 N., R.15 E., DeKalb County, at bridge on County Road 40, 1.25 miles east of State Highway 1, and 2.5 miles north of Newville.	about 18	1976	10-02-75 04-12-76 08-27-76	2.07 4.28 2.04
04178400	Bear Creek at Saint Joe, Ind.	Lat 41°18'58", long 84°53'31", in NE¼SW¼SE¼ sec.15, T.33 N., R.14 E., DeKalb County, at bridge on State Highway 1, 0.3 mile east of Saint Joe.	27.2	1972-76	10-02-75 04-12-76 08-27-76	2.06 7.24 1.75
04179308	Dibbling ditch near Waterloo, Ind.	Lat 41°27'03', long 85°02'25", in NW¼NW¼ sec.33, T.35 N., R.13 E., DeKalb County, at bridge on County Road 22, 0.8 mile west of County Road 35, and 1.6 miles northwest of Waterloo.	about 18	1976	10-03-75 04-13-76 08-27-76	1.32 4.55 1.02
04179800	Little Cedar Creek near Garrett, Ind.	Lat 41°16'08", long 85°08'07", on line between secs.33 and 34, T.33 N., R.12 E., DeKalb County, at bridge on U.S. Highway 27, 6.0 miles south of Garrett.	72.3	1972-76	10-03-75 04-13-76 08-26-76	7.76 26.0 5.24
04179900	Willow Creek near Huntertown, Ind.	Lat 41°14'37", long 85°10'03", in SE¼NW¼ sec.8, T.32 N., R.12 E., Allen County, at bridge on State Highway 3, about 300 ft north of Shoaf Road, and 1.1 miles north of Huntertown.	about 19	1976	10-03-75 04-13-76 07-21-76	.72 4.98 .93
04181800	Nickelsen Creek near Poe, Ind.	Lat 40°55'36", long 85°03'57", in SE¼NW¼ sec.33, T.29 N., R.13 E., Allen County, at bridge on Winchester Road, 1.0 mile southeast of Poe.	about 25	1976	10-02-75 04-13-76 07-20-76	.14 1.86 0
04183100	Black Creek near Woodburn, Ind.	Lat 41°10'06", long 84°51'41", on line between secs.5 and 8, T.31 N., R.15 E., Allen County, on Ward Road bridge, 0.6 mile west of State Highway 101, and 3.0 miles north of Woodburn.	about 19	1976	10-02-75 04-12-76 07-20-76	.33 1.73 .05

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		UPPER MISSISSIPPI RIVER BASIN				
		Illinois River				
05515218	Potato Creek at North Liberty, Ind.	Lat 41°32'28", long 86°25'38", in NE¼NE¼SE¼ sec.29, T.36 N., R.1 E., St. Joseph County, at bridge on State Highway 23, 0.5 mile north of State Highway 4 in North Liberty.	about 27	1973-76	10-01-75 04-13-76 08-26-76	11.6 25.0 12.5
05516650	Wolf Creek near Argos, Ind.	Lat 41°15'40", long 86°18'32", on line between secs.32 and 33, T.32 N., R.2 E., Marshall County, at bridge on Muckshaw Road, 1.6 miles north of State Highway 10, 3.3 miles west of U.S. Highway 31.	about 31	1976	10-01-75 04-14-76 08-26-76	12.3 21.2 7.62
05517750	Crooked Creek near near Kouts, Ind.	Lat 41°17'20", long 87°00'05", on line between secs.21 and 28, T.33 N., R.5 W., Porter County, at bridge on County Road 1000 South, 0.55 mile east of intersection with County Road 275 East, 2.3 miles southeast of Kouts.	about 78	1976	10-02-75 04-14-76 07-21-76	43.3 71.0 53.8
05517880	Wolf Creek near Kouts, Ind.	Lat 41°21'44", long 87°04'59", in SW¼SW¼ sec. 26, T.34 N., R.6 W., Porter County, at culvert on County Road 100 West, 1.1 miles north of intersection with County Road 600 South, 4.2 miles northwest of Kouts.	about 14	1976	10-02-75 04-14-76 07-21-76	5.82 8.29 8.22
05524200	Curtis Creek near Parr, Ind.	Lat 41°00'47", long 87°17'52", on line between secs.26 and 35, T.30 N., R.8 W., Newton County, at bridge on State Highway 14, 1.05 miles west of Interstate 65, 5.2 miles west of Parr.	about 12.5	1976	10-02-75 04-14-76 07-20-76	4.35 14.5 5.92

Discharge measurements made at high-flow, low-flow partial-record stations during Water Year 1976

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		OHIO RIVER BASIN				
03302730	South Fork Blue River near Palmyra, Ind.	Lat 38°28'07", long 86°04'55", in NE¼NW¼ sec.4, T.15 N., R.4 E., Washington County, at bridge on Old Palmyra Road, 0.2 mile north of State Highway 135, and 4.7 miles north of the intersection of U.S. Highway 150 and State Highway 135 in Palmyra.	64.3	1974-76	10-03-75 04-14-76 07-22-76	0.11 16.1 5.05
03303050	Bird Hollow Creek at English, Ind.	Lat 38°21'02", long 86°28'01", in SE¼NE¼NW¼ sec. 13,T.2 S., R.1 W., Crawford County, at bridge on State Highway 37, 0.7 mile north of State Highway 64.	9.31	1974-76	10-03-75 04-14-76 07-22-76	.06 4.26 .50
03323150	Rock Creek near Rockford, Ind.	Lat 40°44'31", long 85°18'24", in NW¼NE¼ sec.5, T.26 N., R.11 E., Wells County, at bridge on State Highway 124, 1.3 miles south of Rockford, and 3.5 miles east of State Highway 3.	77[c]	1974-76	10-03-75 04-13-76 07-21-76	3.94 12.1 6.61
03324050	Clear Creek near Huntington, Ind.	Lat 40°54'57", long 85°32'42", in NW¼NW¼ sec.5, T.28 N., R.9 E., Huntington County, at bridge on State Highway 16, 0.8 mile west of State Highway 5, and 3.4 miles northwest of Huntington.	49[c]	1974-76	10-03-75 04-13-76 07-20-76	2.34 7.19 .38
03360600	Smothers Creek near Plainville, Ind.	Lat 38°48'43", long 87°07'48", in SE¼NW¼ sec. 1, T.4 N., R.7 W., Daviess County, at county road bridge, 1.3 miles northeast of State Highway 57 in Plainville.	33[c]	1974-76	10-01-75 04-13-76 07-20-76	3.87 6.38 2.36
03363450	Little Flatrock Creek at Milroy, Ind.	Lat 39°29'49", long 85°28'24", in NE¼NW¼ sec.13, T.12 N., R.9 E., Rush County, at bridge on State Highway 244, 800 ft east of State Highway 3, and at west edge of Milroy.	34.8	1974-76	10-01-75 04-14-76 07-21-76	.43 10.2 1.91
03372670	Jackson Creek near Bloomington, Ind.	Lat 39°07'17", long 86°30'50", in SW¼SW¼ sec. 15, T.8 N., R.1 W., Monroe County, at bridge on Rhorer Road 0.95 mile east of State Highway 37 on the south side of Bloomington.	4.66	1974-76[a]	10-01-75 04-13-76 07-22-76	.09 .52 .04
03372675	Jackson Creek at Clear Creek, Ind.	Lat 39°06'01", long 86°32'18", in SE¼NE¼ sec. 29, T.8 N., R.1 W., Monroe County, at bridge on Rogers Street, 400 ft north of State Highway 37 and 0.5 mile south of Clear Creek Road in Clear Creek.	10.8	1975-76	10-01-75 04-13-76 07-22-76	.13 2.07 .58
03378450	Black River near Poseyville, Ind.	Lat 38°12'00", long 87°46'51", on line between SW¼SW¼ sec.5, and SE¼SE¼ sec.6, T.4 S., R.12 W., Posey County, at bridge on State Highway 165, 500 ft south of Gibson-Posey County line, and 2.0 miles north of State Highway 68 in Poseyville.	22.9	1974-76	10-02-75 04-15-76 07-21-76	1.32 4.42 .52
		STREAMS TRIBUTARY TO LAKE MICHIGAN				
04100800	Yellow Creek at Dunlap, Ind.	Lat 41°38'44", long 85°56'00", in NE¼NE¼ sec. 27, T.37 N., R.5 E., Elkhart County, at bridge on U.S. Highway 33, at northwest edge of Dunlap.	33[c]	1974-76	10-04-75 03-04-76 03-05-76 03-06-76 03-11-76 04-14-76 08-25-76	3.66 261 446 300 42.7 13.6 6.58
04179500	Cedar Creek at Auburn, Ind.	Lat 41°21'57", long 85°03'08", in NE¼NW¼ sec.32 T.34 N., R.13 E., DeKalb County, on right bank 15 ft downstream from Ninth Street bridge in Auburn, and 2 miles upstream from John Diehl ditch.	87.3	1943-73[a] 1974-76[b]	09-14-76 09-21-76 09-29-76	4.44 5.30 5.75
		ILLINOIS RIVER BASIN				
05516950	Eagle Creek near Grovertown, Ind	Lat 41°18'44", long 86°31'27", in SE¼NE¼ sec. 16, T.33 N., R.1 W., Starke County, at bridge on State Highway 23, 0.3 mile south of County Road 100 North, and 5.2 miles south of U.S. Highway 30 in Grovertown.	32[c]	1973-76	10-01-75 04-13-76 08-26-76	17.9 36.0 15.4

[a] Recording

[b] Non-recording

[c] About

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage Height (feet)	Discharge (ft^3/s)
		GREAT MIAMI RIVER BASIN					
03274730	Whitewater River tributary near Hagerstown, Ind.	Lat 39°54'38", long 85°05'56", in NE¼SE¼NE¼ sec.23, T.17 N., R.12 E., Wayne County, at culvert on State Highway 38, 0.7 mile east of Hagerstown.	0.20	1973-76	01-26-76	5.39	5
03274880	Greens Fork tributary near Lynn, Ind.	Lat 40°01'14", long 84°56'24", in SW¼SW¼SW¼ sec.11, T.18 N., R.14 E., Randolph County, at culvert on U.S. Highway 27, 1.9 miles south of intersection of U.S. Highways 27 and 36 in Lynn.	1.0	1973-76	05-06-76	4.75	45
03275800	West Run near Liberty, Ind.	Lat 39°38'24", long 84°57'18", in SE¼SE¼SW¼ sec.2, T.14 N., R.2 W., Union County, at culvert on State Highway 44, 4.8 miles east of Fayette-Union County Line, 1.1 miles west of Liberty.	.30	1972-76	05-30-76	5.57	37
03275900	Templeton Creek near Fairfield, Ind.	Lat 39°31'20", long 84°56'51", in SW¼NW¼NW¼ sec.24, T.10 N., R.2 W., Franklin County, at culvert on State Highway 101, 0.25 mile south of Franklin-Union County Line.	6.0	1973-76	01-26-76	8.30	180
		TANNERS CREEK BASIN					
03276640	Tanners Creek tributary near Lawrenceburg, Ind.	Lat 39°09'18", long 84°52'20", in NW¼SW¼NE¼ sec.27, T.6 N., R.1 W., Dearborn County, at culvert 0.25 mile east of Salt Fork Road on State Highway 1.	.25	1973-76	08-06-76	11.33	62
		LAUGHERY CREEK BASIN					
03276770	Laughery Creek tributary near Napoleon, Ind.	Lat 39°13'18", long 85°20'07", in SE¼SE¼SE¼ sec.18, T.9 N., R.11 E., Ripley County, at culvert on U.S. Highway 421, 1.1 miles north of Napoleon.	.10	1973-76	02-17-76	5.93	15
03276950	Uhlman Creek tributary near Avonburg, Ind.	Lat 38°53'33", long 85°11'04", in NW¼NW¼SW¼ sec.10, T.4 N., R.12 E., Switzerland County, at culvert on State Highway 129, 1.5 miles north of State Highway 250 at Pleasant.	.10	1973-76	08-06-76	5.63	9
		OHIO RIVER BASIN					
03277030	Ohio River tributary near Rising Sun, Ind.	Lat 38°59'36", long 84°51'16", in SW¼NW¼SW¼ sec.23, T.4 N., R.1 W., Ohio County, at culvert on State Highway 56, 3.3 miles north of State Highway 262 in Rising Sun.	.10	1973-76	08-06-76	5.41	5
		INDIAN-KENTUCK RIVER BASIN					
03277250	Indian Creek tributary near Bennington, Ind.	Lat 38°52'25", long 85°07'24", in NE¼NW¼NE¼ sec.5, T.4 N., R.3 W., Switzerland County, at culvert on State Highway 250, 3.7 miles east of State Highway 129 at Pleasant.	.10	1973-76	08-06-76	5.60	20
		FOURTEENMILE CREEK BASIN					
03292350	Flag Run tributary near New Washington, Ind.	Lat 38°31'08", long 85°32'29", in NW¼NW¼NE¼ sec.20, T.1 N., R.9 E., Clark County, at culvert on State Highway 62, 3.0 miles south of New Washington.	.20	1973-76	06-24-76	6.14	18
		INDIAN CREEK BASIN					
03302350	Georgetown Creek tributary near Georgetown, Ind.	Lat 38°17'30", long 85°56'26", in SW¼NW¼SW¼ sec.35, T.25 N., R.5 E., Floyd County, at culvert on State Highway 64, 1.8 miles east of Georgetown.	.20	1973-76	06-16-76	9.83	290

Annual maximum discharge at crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage Height (feet)	Discharge (ft^3/s)
		BLUE RIVER BASIN					
03302690	Middle Fork Blue River tributary near Farabee, Ind.	Lat 38°32'44", long 86°02'14", in NE¼SW¼SE¼ sec.2, T.1 N., R.4 E., Washington County, at culvert on State Highway 60, 3.3 miles west of State Highway 56.	0.10	1972-76	02-17-76	5.47	10
03302760	Licking Creek near Palmyra, Ind.	Lat 38°23'20", long 86°04'29", in SE¼SW¼NW¼ sec.28, T.1 S., R.4 E., Harrison County, at culvert on U.S. Highway 150, 2.1 miles east of intersection of U.S. Highway 150 and State Highway 135 in Palmyra.	.75	1973-76	05-31-76	7.40	80
		ANDERSON RIVER BASIN					
03303250	Sigler Creek tributary at Uniontown, Ind.	Lat 38°13'21", long 86°41'50", in NW¼SW¼SW¼ sec.25, T.3 S., R.3 W., Perry County, at culvert on State Highway 145, 0.1 mile south of State Highway 62 and U.S. Highway 460.	.20	1973-76	10-18-75	5.90	13
03303040	Bird Hollow Creek tributary near English, Ind.	Lat 38°21'49", long 86°28'00", in SW¼NE¼ sec.12, T.2 S., R.1 W., Crawford County, at culvert on State Highway 37, 1.6 miles north of State Highway 64 in English.	.20	1976	06-16-76	9.92	193
		CROOKED CREEK BASIN					
03303410	East Fork Crooked Creek tributary near Fulda, Ind.	Lat 38°05'18", long 86°49'12", in NW¼NW¼NE¼ sec.14, T.5 S., R.4 W., Spencer County, at culvert on State Highway 545, 1.6 miles south of Fulda.	.25	1973-76	02-17-76	5.68	15
		LITTLE PIGEON CREEK BASIN					
03303900	Little Red Creek tributary near Heilman, Ind.	Lat 38°11'35", long 87°05'22", in NE¼SE¼SE¼ sec.5, T.4 S., R.6 W., Warrick County, at culvert on State Highway 161, 2.4 miles north of Heilman.	.25	1973-76	10-18-76	8.23	88
		PIGEON CREEK BASIN					
03322080	Bluegrass Creek tributary near Daylight, Ind.	Lat 38°06'09", long 87°29'02", in NW¼SE¼NW¼ sec.12, T.5 S., R.10 W., Vanderburgh County, at culvert on State Highway 57, 0.9 mile north of Daylight.	.60	1973-76	06-24-76	8.31	130
		WABASH RIVER BASIN					
03323750	Yarger Ditch at Tocsin, Ind.	Lat 40°49'50", long 85°05'49", in NW¼NE¼ sec.6, T.27 N., R.13 E., Wells County, at culvert on U.S. Highway 224, 0.31 mile west of intersection of U.S. Highway 224 and State Highway 301.	1.00	1975-76	01-25-76	7.56	144
03323950	Little River tributary near Roanoke, Ind.	Lat 40°55'48", long 85°23'08", in SE¼NE¼NW¼ sec.34, T.29 N., R.10 E., Huntington County, at culvert on U.S. Highway 24, 2.3 miles southwest of Roanoke.	1.0	1972-76	02-16-76	6.80	69
03324210	Blaine Run at Blaine, Ind.	Lat 40°24'15", long 85°03'19", in NW¼SW¼NW¼ sec.35, T.23 N., R.13 E., Jay County, at culvert on State Highway 67, 0.1 mile northeast of Blaine.	.40	1972-76	02-16-76	6.09	28
03324260	Salamonie River tributary near Montpelier, Ind.	Lat 40°33'06", long 85°19'25", in NW¼NW¼NE¼ sec.7, T.24 N., R.11 E., Blackford County, at culvert on State Highway 18, 2.5 miles east of State Highway 3.	1.26	1972-76	03-04-76	7.67	120
03324350	Brook Creek tributary near Warren, Ind.	Lat 40°44'35", long 85°26'42", in SW¼SE¼SW¼ sec.31, T.27 N., R.10 E., Huntington County, at culvert on State Highway 5, 1.6 miles northwest of Interstate Highway 69.	.60	1972-76	02-16-76	6.20	35
03327510	Little Pipe Creek tributary near New Santa Fe, Ind.	Lat 40°41'38", long 86°00'34", in SW¼SE¼SW¼ sec.18, T.26 N., R.5 E., Miami County, at culvert on State Highway 21, 1.8 miles northwest of New Santa Fe.	.40	1973-76	02-16-76	7.02	51
03327530	Minnow Creek tributary near Logansport, Ind.	Lat 40°43'46", long 86°17'48", in NW¼NW¼SW¼ sec.3, T.26 N., R.2 E., Cass County, at culvert on U.S. Highway 35, 4.0 miles southeast of State Highway 29 in Logansport.	1.13	1972-76	06-01-76	5.44	14
03327790	Eel River tributary near Columbia City, Ind.	Lat 41°07'01", long 85°31'21", T.31 N., R.9 E., Columbia Township, Whitley County, at culvert on State Highway 205, 3.8 miles southwest of U.S. Highway 30 in Columbia City.	.30	1972-76	02-16-76	5.59	8

Annual maximum discharge at crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage Height (feet)	Discharge (ft^3/s)
		WABASH RIVER BASIN--Continued					
03327930	Koontz Ditch near Sidney, Ind.	Lat 41°07'28", long 85°44'38", in NW¼NW¼SW¼ sec.22, T.31 N., R.7 E., Kosciusko County, at culvert on State Highway 13, 3.5 miles north of State Highway 14.	2.5	1972-76	02-16-76	8.73	260
03328020	Otter Creek tributary near North Manchester, Ind.	Lat 40°59'59", long 85°49'37", in SW¼SE¼SW¼ sec.35, T.30 N., R.6 E., Wabash County, at culvert on State Highway 114, 1.7 miles west of State Highway 13.	1.0	1972-76	02-16-76	5.54	38
03329720	Robinson Branch near Delphi, Ind.	Lat 40°37'10", long 86°37'01", in NE¼NW¼NW¼ sec.14, T.25 N., R.2 W., Carroll County, at culvert on State Highway 25, 2.0 miles northeast of State Highway 218, 3.9 miles northeast of State Highway 39 in Delphi.	5.49	1972-76	02-10-76	7.01	295
03330290	Shanton Ditch near Pierceton, Ind.	Lat 41°12'45", long 85°41'10", in NW¼NE¼SW¼ sec.22, T.32 N., R.7 E., Kosciusko County, at culvert on State Highway 13, 0.6 mile north of U.S. Highway 30.	1.0	1972-76	02-16-76	5.26	10
03331376	McMahan Ditch near Rochester, Ind.	Lat 41°06'14", long 86°11'18", in NE¼NE¼SE¼ sec.28, T.31 N., R.3 E., Fulton County, at culvert on State Highway 25, 3.0 miles north of State Highway 14 in Rochester.	2.0	1972-76	02-16-76	6.07	23
03332340	Weltzin Ditch tributary near Francesville, Ind.	Lat 40°48'00", long 86°46'33", in SW¼NW¼NW¼ sec.16, T.29 N., R.3 W., Pulaski County, at culvert on State Highway 39, 6.1 miles south of State Highway 14.	1.0	1973-76	02-16-76	5.17	7
03332780	Big Creek near Wolcott, Ind.	Lat 40°41'26", long 87°02'37", in SE¼NE¼NE¼ sec.24, T.26 N., R.6 W., White County, at culvert on U.S. Highway 231, 4.4 miles south of Wolcott.	1.5	1972-76	06-28-76	7.59	56
03333420	Grassy Fork tributary at Point Isabel, Ind.	Lat 40°25'28", long 85°49'28", in NE¼SE¼SE¼ sec.22, T.23 N., R.6 E., Grant County, at culvert on State Highway 13, 1,100 ft north of State Highway 26 in Point Isabel.	.30	1973-76	06-28-76	5.65	30
03333620	Scott Youngman Ditch near Kokomo, Ind.	Lat 40°25'10", long 86°04'39", in NW¼NW¼NE¼ sec.28, T.23 N., R.4 E., Howard County, at culvert on State Highway 26, 2.4 miles west of State Highway 19.	1.0	1973-76	02-16-76	7.85	62
03334200	Prairie Creek tributary near Frankfort, Ind.	Lat 40°15'14", long 86°30'36", in NW¼SE¼NE¼ sec.22, T.21 N., R.1 W., Clinton County, at culvert on State Highways 38 and 39, 1.8 miles south of State Highway 28 in Frankfort.	2.00	1972-76	06-28-76	7.45	84
03334900	South Fork Wildcat Creek tributary near Monitor, Ind.	Lat 40°25'13", long 86°46'22", in NE¼SE¼SE¼ sec.20, T.23 N., R.3 W., Tippecanoe County, at culvert on State Highway 26, 0.4 mile northwest of Monitor Springs.	.40	1972-76	06-13-76	5.20	16
03335660	Ilgenfritz Ditch near Monroe, Ind.	Lat 40°20'36", long 86°47'49", in NE¼NW¼NE¼ sec.19, T.22 N., R.3 W., Tippecanoe County, at culvert on U.S. Highway 52, 4.9 miles southeast of State Highway 38.	1.39	1972-76	06-13-76	5.56	175
03335685	Big Pine Creek tributary near Pine Village, Ind.	Lat 40°25'24", long 87°15'32", in SE¼NW¼SW¼ sec.19, T.23 N., R.7 W., Warren County, at culvert on State Highway 55, 1.9 miles south of State Highway 26 in Pine Village.	.20	1972-76	06-28-76	5.79	76
03335790	Big Shawnee Creek tributary near Attica, Ind.	Lat 40°16'48", long 87°10'29", in NE¼NW¼SE¼ sec.11, T.21 N., R.7 W., Fountain County, at culvert on State Highway 28, 1.4 miles west of State Highway 341 and 4.3 miles east of Attica.	1.00	1973-76	06-28-76	5.72	98
03339230	Woods Ditch near Frankfort, Ind.	Lat 40°13'13", long 86°27'34", in NE¼NE¼SW¼ sec.31, T.21 N., R.1 E., Clinton County, at culvert on State Highway 38, 2.2 miles southeast of State Highway 39.	1.50	1972-76	02-16-76	8.12	82
03339250	Waddle Ditch near Pike, Ind.	Lat 40°06'24", long 86°28'48", in NE¼SE¼NW¼ sec.12, T.19 N., R.1 W., Boone County, at culvert on State Highway 39, 4.1 miles north of U.S. Highway 52 in Lebanon.	1.10	1972-76	01-25-76	7.17	66
03339400	Sugar Creek tributary near Garfield, Ind.	Lat 40°05'01", long 86°48'13", in SW¼SE¼NW¼ sec.18, T.19 N., R.3 W., Montgomery County, at culvert on State Highway 47, 1.1 miles northeast of Garfield.	1.2	1972-76	06-28-76	7.89	140
03341150	Demeree Creek tributary near Byron, Ind.	Lat 39°52'39", long 87°05'56", in NW¼SW¼NE¼ sec.35, T.17 N., R.6 W., Parke County, at culvert on State Highway 47, 0.5 mile west of Montgomery County Line.	.20	1973-76	02-05-76	5.63	26
03341180	Little Raccoon Creek tributary near Bellmore, Ind.	Lat 39°44'47", long 87°06'19", in NW¼SW¼NW¼ sec.17, T.15 N., R.6 W., Parke County, at culvert on State Highway 59, 0.8 mile south of intersection of State Highways 36 and 59.	.50	1975-76	03-04-76	5.60	16
03341770	Prairie Creek tributary near Pimento, Ind.	Lat 49°18'49", long 87°23'17", in NE¼SW¼NE¼ sec.15, T.10 N., R.9 W., Vigo County, at culvert on U.S. Highways 41 and 150, 2.8 miles north of State Highway 246.	.50	1974-76	11-30-75	6.55	34

Annual maximum discharge at crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage Height (feet)	Discharge (ft^3/s)
		WABASH RIVER BASIN--Continued					
03342180	Kettle Creek tributary near Shelburn, Ind.	Lat 39°10'36", long 87°22'27", in SW¼SE¼SE¼ sec.26, T.9 N., R.9 W., Sullivan County, at culvert on State Highway 48, 1.0 mile east of U.S. Highways 41 and 150.	0.50	1972-76	02-17-76	6.78	74
03346650	River Deshee tributary near Frichton, Ind.	Lat 38°40'33", long 87°25'47", in SW¼ survey 29, Vincennes tract, Palmyra Township, Knox County, at culvert on new U.S. Highways 50 and 150, 0.5 mile southwest of Frichton.	1.2	1973-76	09-01-76	8.98	160
03346840	White River tributary at Parker City, Ind.	Lat 40°11'35", long 85°11'34", in SW¼SW¼SE¼ sec.9, T.20 N., R.12 E., Randolph County, at culvert on State Highway 32, 3.3 miles west of intersection of State Highways 1 and 32 in Farmland.	.60	1972-76	02-16-76	5.71	14
03346865	Mud Creek tributary at Selma, Ind.	Lat 40°11'37", long 85°15'26", in SE¼SE¼SE¼ sec.10, T.20 N., R.11 E., Delaware County, at culvert on State Highway 32, 0.25 mile east of County Road 650 East in Selma.	.10	1973-76	02-16-76	5.44	6
03348700	White River tributary near Strawtown, Ind.	Lat 40°06'47", long 85°57'10", in NW¼SE¼NW¼ sec.10, T.19 N., R.5 E., Hamilton County, at culvert on State Highway 37, 0.9 mile south of intersection of State Highway 37 and Strawtown Avenue in Strawtown.	.89	1973-76	01-25-76	7.94	70
03349400	Buscher Ditch near Atlanta, Ind.	Lat 40°13'26", long 86°02'30", in NE¼NE¼SW¼ sec.35, T.21 N., R.4 E., Tipton County, at culvert on State Highway 19, 0.5 mile northwest of the Hamilton-Tipton County Line.	2.50	1972-76	03-04-76	7.31	140
03350650	Stony Creek tributary near Lapel, Ind.	Lat 40°95'22", long 85°49'22", in NE¼NW¼NW¼ sec.23, T.19 N., R.6 E., Madison County, at culvert on State Highway 32, 2.0 miles northeast of State Highways 13 and 32 in Lapel.	.60	1973-76	07-11-76	7.30	170
03352400	Blue Creek near Castleton, Ind.	Lat 39°53'23", long 86°02'46", in NW¼NE¼SE¼ sec.26, T.17 N., R.4 E., Marion County, at culvert on State Highway 100, 0.1 mile south of 75th Street, 1.2 miles south of Castleton.	.95	1972-76	08-06-76	7.01	57
03353668	White Lick Creek tributary near Brownsburg, Ind.	Lat 39°53'54", long 86°23'34", in SE¼NE¼SE¼ sec.22, T.17 N., R.1 E., Hendricks County, at culvert on State Highway 267, 4.0 miles north of U.S. Highway 136 in Brownsburg.	.20	1972-76	08-06-76	5.50	35
03354250	Sartor Ditch tributary near Martinsville, Ind.	Lat 39°25'20", long 86°23'59", in NW¼SW¼NW¼ sec.2, T.11 N., R.1 E., Morgan County, at culvert on State Highway 37, 0.3 mile southwest of State Highway 252.	.40	1975-76	01-26-76	10.94	23
03356780	Limestone Creek tributary near Gosport, Ind.	Lat 39°21'12", long 86°40'58", in NE¼NW¼NW¼ sec.31, T.11 N., R.2 W., Owen County, at culvert on State Highway 67, 0.9 mile west of Gosport.	.80	1972-76	06-28-76	6.08	100
03357010	White River tributary near Spencer, Ind.	Lat 39°16'09", long 86°46'45", in SE¼SE¼SE¼ sec.30, T.9 N., R.4 W., Owen County, at culvert on State Highway 67 and U.S. Highway 231, 1.3 miles southwest of State Highway 46 in Spencer.	.20	1973-76	10-18-75	5.44	29
03357430	Owl Creek tributary near Bainbridge, Ind.	Lat 39°45'46", long 86°52'53", in SW¼SE¼SW¼ sec.5, T.15 N., R.4 W., Putnam County, at culvert on U.S. Highway 36, 3.7 miles west of Bainbridge.	.70	1973-76	08-14-76	8.36	280
03360100	Clear Branch at Cory, Ind.	Lat 39°23'20", long 87°11'58", in SE¼SW¼SW¼ sec.16, T.11 N., R.7 W., Clay County, at culvert on State Highway 46, 4.9 miles west of State Highway 59.	.60	1973-76	11-30-75	6.55	39
03360400	Doans Creek tributary near Doans, Ind.	Lat 38°55'12", long 86°50'54", in SW¼SW¼SW¼ sec.27, T.6 N., R.4 W., Greene County, at culvert on State Highway 58 at Doans.	.25	1973-76	11-30-75	5.38	20
03360750	Miller Ditch tributary near Bicknell, Ind.	Lat 38°47'08", long 87°18'36", in SE¼NW¼NW¼ sec.16, T.4 N., R.8 W., Knox County, at culvert on State Highway 159, 0.4 mile north of State Highway 67 in Bicknell.	.60	1973-76	05-31-76	5.10	29
03360850	Veales Creek tributary at Washington, Ind.	Lat 38°37'16", long 87°11'00", in SW¼SW¼NW¼ sec.10, T.2 N., R.7 W., Daviess County, at culvert on State Highway 57, 2.3 miles south of U.S. Highway 50 in Washington.	.25	1973-76	05-31-76	9.14	256
03360970	Buck Creek tributary at Dunreith, Ind.	Lat 39°48'15", long 85°26'34", in NW¼SE¼SW¼ sec.29, T.16 N., R.10 E., Henry County, at culvert on State Highway 3 at northwest edge of Dunreith.	1.50	1973-76	02-16-76	5.93	34
03361600	Little Sugar Creek tributary at Carrollton, Ind.	Lat 39°42'22", long 85°49'40", in SW¼SW¼NE¼ sec.35, T.15 N., R.6 E., Hancock County, at culvert on U.S. Highway 52, 3.4 miles southeast of New Palestine.	.80	1973-76	03-04-76	5.52	30

Annual maximum discharge at crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage Height (feet)	Discharge (ft^3/s)
		WABASH RIVER BASIN--Continued					
03361890	Gilmore Creek near Bargersville, Ind.	Lat 39°30'44", long 86°08'26", in NE¼NE¼SE¼ sec.1, T.12 N., R.3 E., Johnson County, at culvert on State Highway 144, 1.0 mile southeast of State Highway 135 east of Bargersville.	1.0	1973-76	01-26-76	6.41	52
03363050	Wolf Creek tributary near Columbus, Ind.	Lat 39°11'58", long 85°58'34", in SW¼SW¼SE¼ sec.21, T.9 N., R.5 E., Bartholomew County, at culvert on State Highway 46, 2.6 miles west of U.S. Highway 31A and 1.0 mile west of Interstate Highway 65.	1.20	1974-76	02-17-76	6.76	110
03363600	Goddard Ditch tributary near Rushville, Ind.	Lat 39°35'22", long 85°31'51", in NE¼NE¼SW¼ sec.9, T.13 N., R.9 E., Rush County, at culvert on State Highway 44, 4.3 miles west of Rushville.	.50	1973-76	02-17-76	7.35	14
03364100	Tough Creek near Norristown, Ind.	Lat 39°22'19", long 85°45'38", in SW¼SW¼NW¼ sec.28, T.11 N., R.7 E., Shelby County, at culvert 0.5 mile north of Norristown.	1.50	1973-76	01-26-76	6.99	80
03364570	Fall Fork Clifty Creek tributary near Horace, Ind.	Lat 39°16'01", long 85°34'30", in SW¼SW¼NW¼ sec.31, T.10 N., R.9 E., Decatur County, at culvert on State Highway 3, 2.8 miles south of State Highway 46, 0.4 mile north of Horace.	1.00	1973-76	01-26-76	6.53	43
03366400	Lewis Creek tributary near Kent, Ind.	Lat 38°44'13", long 85°34'39", in NW¼NE¼NE¼ sec.2, T.3 N., R.8 E., Jefferson County, on State Highway 256, 2.8 miles west of Kent.	.20	1973-76	01-13-76	5.45	40
03367600	Flat Creek tributary at New Frankfort, Ind.	Lat 38°44'18", long 85°42'50", in NE¼SE¼SW¼ sec.35, T.4 N., R.7 E., Scott County, at culvert on State Highway 256, 0.2 mile northwest of State Highway 203.	.30	1973-76	06-24-76	5.83	55
03369700	Sixmile Creek tributary near North Vernon, Ind.	Lat 39°01'55", long 85°38'24", in NW¼SW¼SE¼ sec.21, T.7 N., R.8 E., Jennings County, at culvert on State Highway 3, 1.2 miles north of State Highway 7 in North Vernon.	.50	1973-76	10-18-75	6.16	1[illegible]
03370100	Blau Ditch tributary near Crothersville, Ind.	Lat 38°48'17", long 85°50'25", in SW¼SW¼NE¼ sec.10, T.4 N., R.6 E., Jackson County, at culvert on U.S. Highway 31, 1.4 miles north of Crothersville.	.15	1973-76	12-31-75	5.83	12
03371630	North Fork Salt Creek tributary near Nashville, Ind.	Lat 39°11'38", long 86°12'11", in NE¼NE¼NW¼ sec.28, T.9 N., R.3 E., Brown County, at culvert on State Highway 46, 2.6 miles east of State Highway 135 in Nashville.	.36	1973-76	11-30-75	5.97	11
03372680	Clear Creek tributary near Bloomington, Ind.	Lat 39°04'24", long 86°32'39", in SW¼SW¼NE¼ sec.5, T.7 N., R.1 W., Monroe County, at culvert on State Highway 37, 5.5 miles south of Bloomington.	.40	1972-76	11-30-75	5.61	15
03373240	Spring Creek tributary near Springville, Ind.	Lat 38°54'41", long 86°39'09", in SE¼SW¼NE¼ sec.32, T.6 N., R.2 W., Lawrence County, at culvert on State Highway 58, 6.6 miles northwest of State Highway 37 in Oolitic.	.40	1972-76	11-30-75	5.42	14
03373680	French Lick Creek tributary near French Lick, Ind.	Lat 38°30'08", long 86°36'20", in SW¼NW¼SW¼ sec.23, T.1 N., R.2 W., Orange County, at culvert on State Highway 145, 4.3 miles south of intersection of State Highways 145 and 56 in French Lick.	.30	1973-76	05-31-76	5.23	28
03373850	Slate Creek tributary near Haysville, Ind.	Lat 38°33'30", long 86°54'10", in NE¼SW¼SW¼ sec.31, T.2 N., R.4 W., Martin County, at culvert on U.S. Highway 231, 5.5 miles north of intersection of U.S. Highway 231 and State Highway 56, in Haysville or 8.0 miles south of intersection of U.S. Highways 231, 150, and 50 in Loogootee.	.20	1973-76	10-18-76	6.11	52
03376230	Shiloh Drain near Jasper, Ind.	Lat 38°24'26", long 86°58'47", in NW¼NW¼NW¼ sec.28, T.15 N., R.5 W., Dubois County, at culvert on State Highway 56, at Ireland, 2.8 miles northwest of Jasper.	.60	1973-76	08-06-76	7.64	125
03376340	Patoka River tributary near Glezen, Ind.	Lat 38°23'41", long 87°19'05", in NE¼SE¼SE¼ sec.29, T.1 S., R.8 W., Pike County, at culvert on State Highway 57, 7.9 miles south of intersection of State Highways 61, 56, and 57 in Petersburg.	1.00	1973-76	02-17-76	6.21	58
03376600	Patoka River tributary near Patoka, Ind.	Lat 38°23'08", long 87°35'21", in SE¼SW¼NW¼ sec.36, T.1S N., R.11 W., Gibson County, at culvert on old U.S. Highway 41, 1.2 miles south of Patoka River at Patoka.	.40	1973-76	09-09-76	6.98	47
03378570	Little Creek tributary near Kasson, Ind.	Lat 38°01'55", long 87°40'52", in NE¼SE¼NW¼ sec.6, T.6 S., R.11 W., Vanderburgh County, at culvert on State Highway 66 and U.S. Highway 460, 2.8 miles northwest of Kasson.	.40	1973-76	06-24-76	11.61	253
03378590	Olive Creek tributary near Solitude, Ind.	Lat 38°00'14", long 87°53'57", in NW¼SE¼NW¼ sec.17, T.6 S., R.13 W., Posey County, at culvert on State Highway 69, 0.65 mile south of Solitude.	.31	1973-76	05-31-76	7.22	96

Annual maximum discharge at crest-stage partial-record stations--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Date	Gage Height (feet)	Discharge (ft^3/s)
		STREAMS TRIBUTARY TO LAKE MICHIGAN					
04095250	East Branch Trail Creek tributary near Springville, Ind.	Lat 41°41'22", long 86°46'42", in NE¼SE¼NE¼ sec.5, T.37 N., R.3 W., LaPorte County, at culvert on U.S. Highway 20, 1.4 miles east of U.S. Highway 35.	0.25	1972-76	05-06-76	6.69	33
04099060	Pigeon Creek tributary near Ellis, Ind.	Lat 41°37'43", long 84°54'56", in NW¼NW¼NW¼ sec.34, T.37 N., R.14 E., Steuben County, at culvert on State Highway 1, 0.25 mile south of U.S. Highway 20.	1.00	1972-76	03-04-76	7.39	38
04099745	Truesdale Ditch near Shipshewana, Ind.	Lat 41°43'36", long 85°35'38", in NE¼NE¼NW¼ sec.27, T.38 N., R.8 E., LaGrange County, at culvert on State Highway 120, 0.6 mile west of State Highway 5.	3.5	1972-76	05-06-76	5.89	42
04100165	Wible Lake inlet near Kendallville, Ind.	Lat 41°29'15", long 85°16'13", in NW¼NW¼SW¼ sec.16, T.35 N., R.11 E., Noble County, at culvert on State Highway 3, 1.9 miles north of U.S. Highway 6 in Kendallville.	2.0	1972-76	06-28-76	4.25	33
04100700	Christophel Ditch tributary near Wakarusa, Ind.	Lat 41°30'24", long 86°00'07", in NW¼NW¼NW¼ sec.7, T.35 N., R.5 E., Elkhart County, at culvert on State Highway 19, 0.1 mile south of State Highway 119, 2.1 miles south of Wakarusa.	2.5	1972-76	03-04-76	8.50	90
		MAUMEE RIVER BASIN					
04179510	Cecil Metcalf Ditch near Auburn, Ind.	Lat 41°21'55", long 85°01'07", in SW¼NE¼NW¼ sec.34, T.34 N., R.13 E., DeKalb County, at culvert on State Highway 8, 2.0 miles east of State Highway 427 in Auburn.	.81	1972-76	11-30-75	6.57	26
04183050	Schumacher Ditch near New Haven, Ind.	Lat 41°03'30", long 84°58'31", in SW¼SW¼NE¼ sec.7, T.30 N., R.15 E., at culvert on State Highway 14, 0.5 mile west of State Highway 101.	1.01	1972-76	02-16-76	6.54	8
04191310	Flatrock Creek tributary near Monroeville, Ind.	Lat 40°53'42", long 84°51'42", in NW¼SW¼SW¼ sec.8, T.28 N., R.15 E., Adams County, at culvert on State Highway 101, 1.8 miles south of Adams-Allen County Line.	.91	1972-76	02-16-76	7.12	90
		ILLINOIS RIVER BASIN					
05515216	Potato Creek tributary near Lakeville, Ind.	Lat 41°32'06", long 86°20'16", on line between secs.30 and 31, T.36 N., R.2 E., St. Joseph County, at culvert on State Highway 4, 3.4 miles west of U.S. Highway 31.	5.0	1975-76	03-04-76	8.86	215
05516150	Walt Kimble Ditch near LaPaz, Ind.	Lat 41°26'59", long 86°14'16", in SW¼SE¼SE¼ sec.25, T.35 N., R.2 E., Marshall County, at culvert on U.S. Highway 6, 3.8 miles east of U.S. Highway 31.	2.0	1972-76	03-01-76	9.38	250
05517400	West Arm Payne Ditch near North Judson, Ind.	Lat 41°12'55", long 86°52'13", in SW¼SW¼SE¼ sec.16, T.32 N., R.4 W., Starke County, at bridge on State Highway 10, 1.3 miles east of U.S. Highway 421.	3.0	1973-76	02-16-76	5.44	34
05517780	Sievers Creek tributary near Valparaiso, Ind.	Lat 41°24'41", long 87°08'08", in NE¼NE¼SW¼ sec.8, T.34 N., R.6 W., Porter County, at culvert on State Highway 2, 5.7 miles southwest of Valparaiso.	.50	1972-76	03-04-76	7.52	53
05518600	Bryant Ditch near Dinwiddie, Ind.	Lat 41°17'22", long 87°18'45", in SE¼SW¼SW¼ sec.23, T.33 N., R.8 W., Lake County, at bridge on State Highway 2, 0.6 mile west of Interstate Highway 65.	4.0	1972-76	02-16-76	6.68	235
05524300	Yeoman Ditch tributary near Rensselaer, Ind.	Lat 40°56'27", long 87°14'10", in SW¼SW¼SW¼ sec.21, T.29 N., R.7 W., Jasper County, at culvert on State Highway 114, 4.5 miles west of U.S. Highway 231 in Rensselaer.	.75	1972-76	02-16-76	7.07	72
05524650	Clark Ditch tributary near Morocco, Ind.	Lat 40°54'16", long 87°26'04", in SW¼SE¼NW¼ sec.3, T.28 N., R.9 W., Newton County, at culvert on U.S. Highway 41, 2.5 miles south of State Highway 114.	1.00	1972-76	02-16-76	6.12	39
05524700	Talley Ditch near Kentland, Ind.	Lat 40°46'02", long 87°24'31", in SW¼SW¼SE¼ sec.23, T.27 N., R.9 W., Newton County, at culvert on U.S. Highway 24, 1.6 miles east of U.S. Highways 41 and 52.	4.00	1972-76	06-28-76	8.59	375
05525400	Gretencord Ditch near Free, Ind.	Lat 40°37'08", long 87°26'44", in NW¼NW¼NE¼ sec.16, T.25 N., R.9 W., Benton County, at culvert on State Highway 18, 2.4 miles east of State Highway 71.	1.00	1972-76	03-04-76	7.97	76

Annual maximum stage and discharge at high-flow, low-flow partial-record stations during Water Year 1976

Station No.	Station name	Date	Gage Height (feet)	Discharge (ft^3/s)
03277000	Laughery Creek near Farmers Retreat, Ind.	01-13-76	9.87	6,890
03302730	South Fork Blue River near Palmyra, Ind.	02-18-76	18.43	4,500
03303050	Bird Hollow Creek at English, Ind.	05-31-76	15.85	4,700
03323150	Rock Creek near Rockford, Ind.	02-17-76	17.00	1,900
03324050	Clear Creek near Huntington, Ind.	02-17-76	17.83	880
03332300	Little Indian Creek near Royal Center, Ind.	02-17-76	6.22	287
03334000	Wildcat Creek at Owasco, Ind.	02-17-76	9.88	5,910
03355000	Bear Creek near Trevlac, Ind.	12-15-75	3.87	264
03360600	Smothers Creek near Plainville, Ind.	02-17-76	14.30	810
03363450	Little Flatrock River at Milroy, Ind.	01-26-76	14.26	980
03372670	Jackson Creek near Bloomington, Ind.	11-30-75	3.02	220
03372675	Jackson Creek at Clear Creek-not enough data for publishing peaks in 1976.			
03373200	Indian Creek near Springville, Ind.	11-30-75	6.67	1,720
03378450	Black River near Poseyville, Ind.	02-18-76	10.33	1,150
04100800	Yellow Creek at Dunlap, Ind.	03-05-76	11.94	245
04179500	Cedar Creek at Auburn, Ind.	02-17-76	9.26	1,210
05516000	Yellow River near Bremen, Ind.	03-06-76	13.37	1,260
05516950	Eagle Creek near Grovertown, Ind.	--	a	--

a Peak did not reach bottom of gage.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations or partial-record stations are given in the following table

Discharge measurements made at miscellaneous sites during water year 1976

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
		OHIO RIVER BASIN				
Wabash River	Ohio River	Lat 40°44'50", long 86°24'35", in NW¼NW¼ sec. 34, T.27 N., R.1 E., Cass County, 200 ft upstream from intersection of County Roads 125 South and 200 West, 0.8 mile downstream from Logansport bypass and 1.1 miles downstream from Logansport sewage treatment plant.			06-12-76	528
Wabash River tributary	Wabash River	Lat 40°44'49", long 86°24'51", in NE¼NE¼ sec. 33, T.27 N., R.1 E., Cass County, at bridge on County Road 125 South, 100 ft above mouth, and 0.2 mile west of intersection of County Roads 200 West and 125 South and 1.9 miles west of the city limits of Logansport.			06-12-76	.23
Wabash River tributary	Wabash River	Lat 40°45'19", long 86°25'28", in NE¼SW¼ sec. 28, T.27 N., R.1 E., Cass County, at bridge on U.S. Highway 24, 2.2 miles west of the city limits of Logansport.			06-12-76	.79
Wabash River tributary	Wabash River	Lat 40°45'25", long 86°25'55", in NE¼SE¼ sec. 29, T.27 N., R.1 E., Cass County, at bridge on U.S. Highway 24, 2.6 miles west of the city limits of Logansport.			06-12-76	1.69
Wabash River tributary	Wabash River	Lat 40°45'29", long 86°26'17", in SW¼NE¼ sec. 29, T.27 N., R.1 E., Cass County, at bridge on U.S. Highway 24, 0.1 mile east of County Road 350 West, and 3.0 miles west of the city limits of Logansport.			06-12-76	.96
Wabash River	Ohio River	Lat 40°45'20", long 86°26'37", in NE¼SW¼ sec. 29, T.27 N., R.1 E., Cass County, 0.3 mile downstream from right bank tributary, 0.3 mile west of intersection of County Roads 350 West and 50 South (Georgetown Road), and 3.3 miles west of the city limits of Logansport.			06-12-76	545
Wabash River tributary	Wabash River	Lat 40°44'47", long 86°27'21", in NW¼NE¼ sec. 31, T.27 N., R.1 E., Cass County, at bridge on South River Road, 0.7 mile east of County Road 500 West, and 4.2 miles west of the city limits of Logansport.			06-12-76	.34
Wabash River tributary	Wabash River	Lat 40°44'50", long 86°27'51", in NW¼NW¼ sec. 31, T.27 N., R.1 E., Cass County, at bridge on Georgetown Road, 1.2 miles east of County Road 600 West and 2.2 miles east of Georgetown.			06-12-76	3.68
Wabash River	Ohio River	Lat 40°44'40", long 86°27'20", in SE¼NE¼ sec. 36, T.27 N., R.1 W., Cass County, 0.4 mile downstream from right bank tributary, and 0.2 mile west of intersection of South River Road West and County Road 500 west and 1.7 miles east of Georgetown.			06-12-65	544
Wabash River	Ohio River	Lat 40°44'19", long 86°30'10", in SW¼SW¼ sec. 35, T.27 N., R.1 W., Cass County, at bridge at Georgetown.			06-12-76	576
Duck Creek	White River	Lat 40°14'53", long 85°50'45", on line between secs.21 and 28, T.21 N., R.6 E., Madison County, at bridge on County Road 1000 North, 0.1 mile downstream from Little Duck Creek and 1.0 mile south of Elwood.	38.0		[a]07-12-76 07-13-76	760 383
Cool Creek	White River	Lat 39°57'24", long 86°05'06", in SW¼SW¼ sec. 33, T.18 N., R.4 E., Hamilton County, at bridge on 116th Street, 1.2 miles above mouth, and 1.5 miles east of State Road 431.		1958	02-17-76	815
Carmel Creek	White River	Lat 39°56'29", long 86°07'15", in NE¼NW¼ sec. 7, T.17 N., R.4 E., Hamilton County, at culvert on 106th Street, 0.4 mile west of State Road 431, and 3.3 miles above mouth.			06-30-76	15.0
		STREAMS TRIBUTARY TO LAKE MICHIGAN				
Rowe-Eden ditch	Little Elkhart River	Lat 41°39'14", long 85°40'41", in SE¼SE¼ sec. 14, T.37 N., R.7 E., Elkhart County, at bridge on U.S. Highway 20, 0.4 mile upstream from mouth, and 2.0 miles southeast of Middlebury.	30.1	1973, 1975	10-04-75	10.3

[a]Peak discharge for 7-12-76, 860 ft^3/s.

The following table lists all discontinued stream-gaging stations in Indiana. Continuous daily streamflow records were collected and published for the period of record shown for each station.

Station no.	Station name	County	Drainage area (mi^2)	Period of Record
	OHIO RIVER BASIN			
03277000	Laughery Creek near Farmers Retreat	Ohio	248	1940-73[a]
03304000	Little Pigeon Creek near Tennyson	Warrick	187	1943-47
03323000	Wabash River at Bluffton	Wells	532	1930-71[c]
03326000	Mississinewa River near Eaton	Delaware	310	1952-71[c]
03329500	Wabash River at Delphi	Carroll	4,072	1939-71
03331000	Tippecanoe River near Warsaw	Kosciusko	126	1943-49
03332000	Tippecanoe River at Pulaski	Pulaski	1,089	1928-31
03332300	Little Indian Creek near Royal Center	White	35.0	1959-73[a]
03332400	Big Monon Creek near Francesville	Pulaski	152	1959-73[a]
03333500	Wildcat Creek at Greentown	Howard	168	1944-61
03334000	Wildcat Creek at Owasco	Carroll	396	1943-73[a]
03339120	Coal Creek at Coal Creek	Fountain	214	1964-72
03339150	Little Vermilion River near Newport	Vermillion	237	1964-72
03340000	Sugar Creek near Byron	Parke	670	1940-71[c]
03341000	Big Raccoon Creek at Mansfield	Parke	248	1939-58[b]
03341200	Little Raccoon Creek near Catlin	Parke	134	1956-71[b,d]
03341420	Brouilletts Creek near Universal	Vermillion	321	1966-71[c]
03342350	Buttermilk Creek near Paxton	Sullivan	16.5	1966-73
03342800	South Fork Smalls Creek at Bruceville	Knox	4.94	1972-75[c,d]
03348100	Killbuck Creek near Anderson	Madison	97.8	1964-68 1928-74[c]
03350000	Cicero Creek near Cicero	Hamilton	196	1946-54
03352000	Lawrence Creek at Fort Benjamin Harrison	Marion	2.74	1952-56, 1957-69
03355000	Bear Creek near Trevlac	Brown	6.94	1952-73[a]
03356500	Bean Blossom Creek near Bloomington	Monroe	112	1931-32
03357000	White River at Spencer	Owen	2,988	1925-71[b]
03359500	Deer Creek near Putnamville	Putnam	59.0	1954-65, 1967-72
03366000	Graham Creek near Vernon	Jennings	77.2	1955-73
03367000	Muscatatuck River near Austin	Jackson	359	1932-43
03367500	Stucker Creek near Austin	Scott	127	1932
03370000	Vernon Fork near Crothersville	Jackson	391	1932
03370500	Muscatatuck River near Tampico	Washington	960	1939
03371000	Muscatatuck River ner Vallonia	Jackson	1,134	1932
03371600	South Fork Salt Creek at Kurtz	Jackson	38.2	1960-71[b]
03372000	North Fork Salt Creek near Belmont	Brown	120	1946-71
03372700	Clear Creek near Harrodsburg	Monroe	55.2	1960-71
03373000	Salt Creek near Peerless	Lawrence	573	1939-50[b] 1957-71[b]
03373200	Indian Creek near Springville	Lawrence	60.7	1961-73[a]
03376000	Patoka River near Jasper	Dubois	348	1943-47[d]
03376300	Patoka River at Winslow	Pike	603	1963-74
	STREAMS TRIBUTARY TO LAKE MICHIGAN			
04093200	Little Calumet River at Gary	Lake	5.82	1958-67, 1968-71
04098000	Fawn River at Orland	Steuben	86.4	1943-47
04099500	Pigeon Creek and Hogback Lake near Angola	Steuben	103	1945-74
04100000	Christiana Creek at Elkhart	Elkhart	127	1947-52
04100220	North Branch Elkhart River near Cosperville	Noble	134	1950-71
	STREAMS TRIBUTARY TO LAKE ERIE			
04178500	St. Joseph River at Hursh	Allen	734	1950-54
04179500	Cedar Creek near Auburn	DeKalb	87.3	1943-73[a]
04180500	St. Joseph River near Ft. Wayne	Allen	1,057	1905-06 1941-55
04182700	St. Marys River at Ft. Wayne	Allen	810	1905-06
	UPPER MISSISSIPPI RIVER BASIN			
05516000	Yellow River near Bremen	Marshall	135	1955-73[a]
05518500	Singleton ditch near Hebron	Lake	34.2	1949-51
05519500	West Creek near Schneider	Lake	54.7	1948-51, 1954-72
05521500	Oliver ditch near Aix	Jasper	79.6	1948-51

[a]Continued as a crest-stage and low-flow partial-record station.
[b]Continued as a stage only station.
[c]Some quality of water data available.
[d]Some record fragmentary.

RECORDS AVAILABLE ON LAKES

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 are based on once-daily readings of a staff gage by a local observer and consist of daily, monthly, and yearly mean water-surface elevations as well as graphs showing the fluctuation in elevation. 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 lake is that surface area and capacity at the established level. Depth contour maps are only those surveyed by the Lake Section of Water Resources Division of the Geological Survey.

Lakes in the Ohio River basin for which records are available

	Lake	County	Drainage Area (square mile)	Surface Area (acres)	Established Levelxx	Capacity (acre-feet)	Depth Contour Map available	Records available
			LAUGHERY CREEK BASIN					
03-2768.00	Versailles Lake near Versailles	Ripley	168.0	232	-	-	-	1957-76
			BAYOU DRAIN BASIN					
03-3223.00	Hovey Lake near Mount Vernon	Posey	6.36	253	-	-	-	1950-69
			WABASH RIVER BASIN					
03-3275.50	Everett Lake at Levert	Allen	1.07	43	835.13	650	+	1946-66
03-3276.00	Blue Lake near Churubusco	Whitley	3.58	239	850.28	5,010	+	1946-69
03-3276.50	Shriner Lake at Tri-Lakes	Whitley	.94	111	907.04	-	-	1943-75
03-3277.00	Cedar Lake at Tri-Lakes	Whitley	.79	131	901.90	-	-	1943-49
03-3277.50	Round Lake at Tri-Lakes	Whitley	3.36	125	901.90	-	-	1943-53
03-3278.00	Wilson Lake near Larwill	Whitley	.46	29	865.39	390	+	1946-52
03-3278.50	Little Wilson Lake near Larwill	Whitley	.52	8	865.39	130	+	1946-52
03-3281.00	Long Lake at Laketon	Wabash	.55	48	751.19	760	+	1946-51 1959-76
03-3282.50	North Little Lake at Silver Lake	Kosciusko	2.89	12	861.73	170	+	1947-76
03-3283.50	Silver Lake at Silver Lake	Kosciusko	6.31	102	861.73	1,520	+	1947-76
03-3284.00	Lukens Lake near Disko	Wabash	1.76	46	-	1,010	+	1948-49 1959-76
03-3300.20	Crooked Lake near Wolflake	Noble	1.51	206	905.69	9,040	+	1943-53
03-3300.40	Big Lake near Wolflake	Noble	8.89	228	898.18	5,630	+	1943-75
03-3300.60	Goose Lake near Lorane	Whitley	1.51	84	910.96	2,180	+	1945-53
03-3300.80	Loon Lake at Ormas	Whitley	11.1	222	895.14	5,730	+	1943-66
03-3301.00	New Lake near Etna	Whitley	.29	50	903.91	880	+	1945-53
03-3301.20	Old Lake near Etna	Whitley	2.81	32	898.07	620	+	1949-66
03-3301.40	Smalley Lake near Washington Center	Noble	27.1	69	-	1,520	+	1943-76
03-3301.60	Gilbert Lake near Washington Center	Noble	.37	28	-	490	+	1954-76
03-3301.80	Horseshoe Lake nr Washington Center	Noble	1.62	18	901.80	250	+	1945-66
03-3302.00	Baugher Lake near Washington Center	Noble	31.0	32	878.52	390	+	1945-51
03-3302.20	Wilmot Pond at Wilmot a	Noble	35.2	10	-	-	-	1945-51
03-3302.40	Webster Lake at North Webster	Kosciusko	49.2	774	852.75	-	-	1943-76
03-3302.43	James Lake at Oswego	Kosciusko	55.9	282	836.40	7,580	+	1943-76
03-3302.60	Robinson Lake near Pierceton	Kosciusko	7.15	59	851.09	1,170	+	1946-51
03-3302.80	Troy Cedar Lake near Lorane	Whitley	5.33	93	905.41	2,540	+	1945-52
03-3303.00	Ridinger Lake near Pierceton	Kosciusko	34.6	136	843.12	2,900	+	1943-76
03-3303.20	Kuhn Lake near North Webster	Kosciusko	3.85	137	837.50	1,290	+	1945-76
03-3303.40	Big Barbee Lake near North Webster	Kosciusko	44.7	304	837.50	5,640	+	1945-76
03-3303.60	Little Barbee Lake nr North Webster	Kosciusko	49.0	74	837.50	960	+	1945-75
03-3303.80	Shoe Lake near Oswego	Kosciusko	.34	40	841.57	-	-	1946-53 1972-74
03-3304.00	Banning Lake near North Webster	Kosciusko	.48	12	837.50	110	+	1945-76
03-3304.20	Irish Lake near North Webster	Kosciusko	50.9	182	837.50	2,330	+	1945-76
03-3304.40	Sechrist Lake near North Webster	Kosciusko	.58	105	837.50	2,490	+	1945-76
03-3304.60	Sawmill Lake near North Webster	Kosciusko	51.8	36	837.50	370	+	1945-76
03-3304.80	Tippecanoe Lake at Oswego	Kosciusko	113	768	836.40	28,380	+	1943-76
03-3304.95	Oswego Lake at Oswego	Kosciusko	113	83	836.40	780	+	1943-76
03-3310.10	Big Chapman Lake near Warsaw b	Kosciusko	4.17	581	827.75	6,080	+	1945-72
03-3310.20	Little Chapman Lake near Warsaw	Kosciusko	7.13	177	827.75	1,990	+	1945-72
03-3310.40	Pike Lake at Warsaw	Kosciusko	41.5	203	805.64	2,830	+	1954-76
03-3310.60	Fish Lake near Warsaw	Kosciusko	4.93	15	845.52	-	-	1951-66
03-3310.80	Muskelonge Lake near Warsaw	Kosciusko	11.8	32	842.67	300	+	1943-53 1959-71
03-3311.00	Carr Lake near Claypool	Kosciusko	2.27	79	848.88	1,340	+	1947-53
03-3311.20	Sherburn Lake near Pierceton c	Kosciusko	5.51	15	881.00	230	+	1954-76
03-3311.40	Winona Lake at Warsaw	Kosciusko	32.1	562	811.06	16,680	+	1943-76
03-3311.60	Center Lake at Warsaw	Kosciusko	.73	120	803.86	2,060	+	1945-76
03-3311.80	Palestine Lake at Palestine	Kosciusko	32.4	290	-	1,170	+	1954-76
03-3312.00	Crystal Lake near Atwood	Kosciusko	.45	76	789.69	930	+	1945-51
03-3312.20	Hoffman Lake at Atwood	Kosciusko	8.07	180	785.85	3,160	+	1945-53
03-3312.40	Beaver Dam Lake near Silver Lake	Kosciusko	2.83	146	868.95	3,280	+	1947-53
03-3312.60	Loon Lake near Silver Lake	Kosciusko	3.59	40	865.74	670	+	1947-53
03-3312.80	McClures Lake near Silver Lake	Kosciusko	1.29	32	865.85	410	+	1945-52

Lakes in the Ohio River basin for which records are available--Continued

	Lake	County	Drainage Area (square mile)	Surface Area (acres)	Established Levelxx	Capacity (acre-feet)	Depth Contour Map available	Records available
		WABASH RIVER BASIN--Continued						
03-3313.00	Hill Lake near Silver Lake	Kosciusko	0.85	67	871.50	1,300	+	1952-76
03-3313.20	Diamond Lake near Silver Lake	Kosciusko	3.92	79	-	1,280	+	1954-76
03-3313.40	Yellow Creek Lake near Silver Lake	Kosciusko	11.1	151	860.50	4,730	+	1945-53
03-3313.60	Rock Lake near Akron	Kosciusko	2.74	56	847.29	360	+	1946-66
03-3313.70	Town Lake near Akron	Fulton	2.77	23	-	220	+	1949-50
03-3313.80	Lake Manitou at Rochester	Fulton	44.2	1,156	778.41	10,163	+	1943-76
03-3313.90	Zink Lake near Rochester	Fulton	1.11	19	810.68	-	-	1952-55
03-3314.00	Nyona Lake near Greenoak	Fulton	7.59	104	793.91	1,340	+	1946-76
03-3314.20	South Mud Lake near Fulton	Fulton	4.53	94	793.42	1,020	+	1946-66
03-3314.38	King Lake near Delong	Fulton	1.98	18	-	180	+	1971-75
03-3314.40	Maxinkuckee Lake at Culver	Marshall	13.7	1,864	733.12	45,600	+	1943-76
03-3314.60	Lost Lake near Culver d	Marshall	14.2	40	732.00	-	-	1954-76
03-3314.80	Langenbaum Lake near Monterey	Starke	.72	48	717.96	260	+	1954-66
03-3317.00	Bruce Lake at Bruce Lake	Pulaski	6.38	245	723.69	1,790	+	1943-53
03-3322.00	Fletcher Lake at Fletcher	Fulton	.67	45	783.20	880	+	1946-53
03-3709.00	Starve Hollow Lake near Vallonia	Jackson	6.67	145	-	980	+	1946-61 1963-71
03-3717.00	Ogle Lake near Nashville	Brown	1.03	20	-	250	+	1954-76

Lakes in the St. Lawrence River basin for which records are available

		STREAMS TRIBUTARY TO LAKE MICHIGAN						
04-0925.00	Wolf Lake at Hammond j	Lake	5.72	999	-	-	-	1946-49
04-0929.90	Lake George at Hobart	Lake	124	282	602.23	-	-	1946-76
04-0975.20	Lake Pleasant near Nevada Mills	Steuben	3.18	424	-	3,490	+	1954-71
04-0975.50	Lake George at Jamestown	Steuben	h14.7	488	985.28	-	-	1946-76
04-0975.96	Marsh Lake near Fremont	Steuben	14.9	-	-	-	-	1967-69
04-0976.00	Little Otter Lake near Fremont	Steuben	15.7	34	965.18	740	+	1946-53
04-0976.40	Big Otter Lake near Fremont	Steuben	21.3	69	965.18	1,780	+	1946-53
04-0976.50	Snow Lake at Lake James	Steuben	h40.2	310	964.96	7,998	+	1943-49
04-0976.60	Lake James at Lake James	Steuben	h47.8	1,034	964.96	33,585	+	1943-49
04-0976.80	Jimmerson Lake at Nevada Mills e	Steuben	h51.6	434	964.66	4,394	+	1946-76
04-0977.80	Loon Lake near Angola	Steuben	2.13	138	1,011.98	630	+	1954-66
04-0978.50	Crooked Lake at Crooked Lake	Steuben	10.4	828	988.17	10,557	+	1946-76
04-0979.50	Lake Gage at Panama	Steuben	h17.3	332	954.25	10,140	+	1946-76
04-0979.60	Lime Lake at Panama	Steuben	h17.5	57	954.25	427	+	1946-76
04-0981.00	Wall Lake near Orland	Lagrange	1.61	141	942.25	1,640	+	1953-54
04-0981.10	Mud Lake near Orland	Steuben	1.85	25	939.01	-	-	1956-67
04-0983.00	Cedar Lake near Ontario	Lagrange	1.60	120	871.90	1,020	+	1948-51
04-0990.50	Pigeon Lake near Angola	Steuben	h35.2	61	988.24	930	+	1954-63
04-0991.00	Fox Lake near Angola	Steuben	h1.25	142	1,018.83	3,150	+	1946-53
04-0991.90	Pleasant Lake at Pleasant Lake	Steuben	h1.12	53	963.52	1,190	+	1946-66
04-0992.00	Long Lake at Moonlight	Steuben	h67.9	92	-	1,540	+	1946-76
04-0992.50	Bower Lake near Pleasant Lake	Steuben	h84.6	25	948.50	280	+	1946-71
04-0992.60	Golden Lake near Pleasant Lake	Steuben	h88.8	119	948.50	1,810	+	1946-71
04-0994.00	Silver Lake near Angola	Steuben	h3.79	238	959.40	2,540	+	1945-53
04-0994.30	Bass Lake near Angola	Steuben	h.39	61	979.68	450	+	1954-66
04-0994.40	Howard Lake near Angola	Steuben	h3.90	27	977.34	130	+	1954-63
04-0995.00	Hogback Lake near Angola	Steuben	h103	146	948.50	1,450	+	1946-75
04-0995.20	Otter Lake near Flint	Steuben	h6.91	118	934.15	1,960	+	1954-66
04-0995.40	Story Lake near Hudson	Dekalb	3.16	77	942.20	1,020	+	1946 1954-66
04-0995.60	Big Turkey Lake at Stroh	Lagrange	35.8	450	926.61	7,300	+	1945-66
04-0995.75	McClish Lake near Helmer	Lagrange	1.28	35	951.09	1,210	+	1951-74
04-0995.80	Lake of the Woods near Helmer	Lagrange	5.25	136	951.09	5,470	+	1951-74
04-0996.00	Big Long Lake near Stroh	Lagrange	4.77	388	956.21	-	-	1954-76
04-0996.20	Pretty Lake near Stroh	Lagrange	2.89	184	965.50	4,720	+	1949-53 1963-65
04-0996.40	Little Turkey Lake at Elmira	Lagrange	56.5	135	925.72	1,550	+	1945-66
04-0996.60	Royer Lake near Plato	Lagrange	4.69	69	936.50	1,630	+	1952-76
04-0996.70	Fish Lake near Plato	Lagrange	h10.6	100	936.50	4,050	+	1945-76
04-0997.00	North Twin Lake near Howe	Lagrange	1.54	135	843.56	2,120	+	1953-76
04-0997.10	South Twin Lake near Howe	Lagrange	2.22	116	843.56	3,600	+	1953-70
04-0997.40	Shipshewana Lake near Shipshewana	Lagrange	h6.74	202	852.04	1,350	+	1951-76
04-0997.60	Fish Lake near Scott	Lagrange	h6.21	139	814.42	2,560	+	1954-73
04-0997.80	Stone Lake near Scott	Lagrange	1.51	152	818.76	2,060	+	1954-73
04-0998.00	Emma Lake near Emma	Lagrange	13.6	42	880.87	700	+	1954-66
04-0998.10	Cass Lake near Shipshewana	Lagrange	.68	89	-	873	+	1970-76
04-0998.20	Hunter Lake near Middleburg	Elkhart	.51	99	856.90	1,120	+	1946-53
04-0998.40	Wolf Lake near Goshen	Elkhart	h1.29	100	813.00	-	-	1947-57
04-0998.60	Heaton Lake near Elkhart	Elkhart	9.33	87	767.30	640	+	1946-53 1969-74
04-0998.80	Simonton Lake near Elkhart	Elkhart	7.44	282	772.19	1,560	+	1946-76
04-0999.50	Indiana Lake near Bristol	Elkhart	.62	122	759.73	3,400	+	1946-53
04-1000.10	Cree Lake near Kendallville	Noble	4.85	58	945.23	910	+	1949-66
04-1000.20	Blackman Lake near Wolcottville	Lagrange	.98	67	974.20	1,210	+	1953-59
04-1000.30	Adams Lake near Wolcottville	Lagrange	5.62	308	953.59	7,690	+	1946-76
04-1000.40	Atwood Lake near Wolcottville	Lagrange	1.23	170	899.99	1,560	+	1948-53

Lakes in the St. Lawrence River basin for which records are available--Continued

	Lake	County	Drainage Area (square mile)	Surface Area (acres)	Estab-lished Levelxx	Capacity (acre-feet)	Depth Contour Map available	Records available
		STREAMS TRIBUTARY TO LAKE MICHIGAN--Continued						
04-1000.50	Witmer Lake near Wolcottville	Lagrange	36.1	204	897.36	7,040	+	1945-76
04-1000.60	Westler Lake near Wolcottville	Lagrange	37.8	88	897.36	1,770	+	1945-76
04-1000.70	Dallas Lake near Wolcottville	Lagrange	39.8	283	897.36	9,970	+	1945-76
04-1000.80	Martin Lake near Valentine	Lagrange	4.93	26	899.45	890	+	1945-76
04-1000.90	Olin Lake near Valentine	Lagrange	5.81	103	899.45	9,180	+	1945-76
04-1001.00	Oliver Lake near Valentine	Lagrange	11.1	362	899.45	-	-	1945-76
04-1001.10	Hackenburg Lake near Wolcottville	Lagrange	55.4	42	897.36	510	+	1945-76
04-1001.20	Messick Lake near Wolcottville	Lagrange	56.4	68	897.36	1,450	+	1945-76
04-1001.30	Jones Lake near Cosperville f	Noble	70.3	114	885.55	960	+	1948-76
04-1001.40	Bixler Lake at Kendallville	Noble	5.28	120	963.65	2,090	+	1945-76
04-1001.50	kound Lake at Kendallville	Noble	3.47	99	954.50	2,140	+	1954-76
04-1001.60	Little Long Lake at Kendallville	Noble	4.55	71	954.50	1,750	+	1954-76
04-1001.70	Latta Lake near Rome City	Noble	2.52	42	918.71	900	+	1954-66
04-1001.80	Sylvan Lake at Rome City	Noble	33.8	575	916.20	-	-	1943-76
04-1001.90	Sacarider Lake near Kendallville	Noble	1.43	33	-	740	+	1954-63
04-1002.00	Tamarack Lake near Cosperville	Noble	15.9	50	885.55	880	+	1948-76
04-1002.10	Steinbarger Lake near Cosperville	Noble	24.3	73	885.55	1,590	+	1948-76
04-1002.20	Waldron Lake near Cosperville	Noble	134	216	885.55	3,120	+	1948-76
04-1002.30	Long Lake near Burr Oak	Noble	12.0	40	895.82	630	+	1954-71
04-1002.40	Sand Lake near Burr Oak	Noble	14.9	47	893.56	1,270	+	1946-51
04-1002.50	Rivir Lake near Burr Oak	Noble	18.6	24	-	380	+	1954-65
04-1002.58	High Lake near Wolflake	Noble	4.43	123	896.35	1,240	+	1961-76
04-1002.60	Bear Lake near Wolflake	Noble	6.98	136	894.60	3,030	+	1943-76
04-1002.80	Muncie Lake near Burr Oak	Noble	42.8	47	-	580	+	1954-76
04-1002.90	Silver Lake near Wolflake	Noble	.28	34	-	220	+	1953-63
04-1003.00	Skinner Lake near Albion	Noble	14.0	125	927.74	1,750	+	1945-72
04-1003.10	Pleasant Lake near Wolflake	Noble	.29	20	-	540	+	1952-53
04-1003.20	Upper Long Lake near Wolflake	Noble	2.08	86	891.19	1,900	+	1956-76
04-1003.30	Lower Long Lake near Albion	Noble	4.35	66	889.81	1,560	+	1946-52
04-1003.40	Eagle Lake near Kimmel	Noble	3.22	81	-	1,050	+	1946-48
04-1003.50	Diamond Lake near Wawaka	Noble	4.80	105	-	2,580	+	1946-75
04-1003.60	Sparta Lake at Kimmel	Noble	.69	31	888.50	170	+	1946-51
04-1003.70	Engle Lake near Ligonier	Noble	h4.19	48	-	670	+	1956-71
04-1003.80	Harper Lake near Washington Center	Noble	2.76	11	878.25	160	+	1946-76
04-1003.90	Knapp Lake near Washington Center	Noble	6.02	88	878.25	3,040	+	1946-76
04-1004.00	Moss Lake near Washington Center	Noble	6.12	9	878.25	80	+	1946-76
04-1004.10	Hindman Lake near Washington Center	Noble	8.66	13	878.25	140	+	1946-76
04-1004.20	Gordy Lake near Cromwell	Noble	9.40	31	876.68	680	+	1953-66
04-1004.25	Rider Lake near Cromwell	Noble	10.9	5	876.68	30	+	1953-66
04-1004.30	Duely Lake near Cromwell g	Noble	11.2	21	876.68	180	+	1953-66
04-1004.40	Village Lake near Cromwell	Noble	12.0	12	876.68	160	+	1953-66
04-1004.46	Flatbelly Lake near Syracuse	Kosciusko	4.66	326	-	-	-	1964-69
04-1004.48	Papakeechie Lake near Syracuse	Kosciusko	5.52	300	-	-	-	1964-69
04-1004.50	Wawasee Lake at Wawasee	Kosciusko	36.9	3,060	858.89	67,210	+	1943-66
04-1004.60	Syracuse Lake at Syracuse	Kosciusko	38.2	414	858.87	5,360	+	1943-76
04-1004.70	Dewart Lake near Leesburg	Kosciusko	h8.05	551	867.70	9,000	+	1945-76
04-1004.80	Wabee Lake near Milford	Kosciusko	h14.6	187	829.79	4,750	+	1946-53
		STREAMS TRIBUTARY TO LAKE ERIE						
04-1772.00	Clear Lake at Clear Lake	Steuben	6.86	800	1,037.38	24,990	+	1943-76
04-1772.10	Round Lake at Clear Lake	Steuben	7.25	30	1,037.38	340	+	1943-76
04-1773.00	Long Lake near Ray	Steuben	2.80	154	-	1,840	+	1961-63
04-1776.80	Ball Lake near Hamilton	Steuben	11.6	87	894.76	3,520	+	1961-76
04-1777.00	Hamilton Lake at Hamilton	Steuben	16.5	802	898.83	16,600	+	1943-76
04-1792.00	Indian Lake near Corunna	Dekalb	3.76	56	-	1,220	+	1957
04-1793.00	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

		ILLINOIS RIVER BASIN						
05-5147.40	Saugany Lake near Rolling Prairie	LaPorte	h2.34	74	781.21	2,190	+	1946-50
05-5147.41	Hudson Lake at Hudson Lake	LaPorte	7.92	432	763.09	5,060	+	1946-75
05-5147.50	North Chain Lake at Lydick	St. Joseph	h3.89	88	721.17	1,400	+	1946-53
05-5147.60	South Chain Lake at Westfield	St. Joseph	h6.32	90	717.04	270	-	1946-53
05-5147.70	Wharton Lake near South Bend	St. Joseph	1.85	-	-	-	-	1960-76
05-5149.00	Silver Lake near Rolling Prairie	LaPorte	1.72	54	795.20	-	-	1946-66
05-5152.00	Upper Fish Lake near Stillwell	LaPorte	h9.65	139	688.22	1,040	+	1946-53
05-5152.10	Lower Fish Lake near Stillwell	LaPorte	h10.4	134	688.22	870	+	1946-53
05-5152.20	Pine Lake at LaPorte	LaPorte	h10.7	564	796.20	-	-	1946-75
05-5152.30	Stone Lake at LaPorte	LaPorte	h10.7	140	796.20	-	-	1946-75
05-5152.40	Clear Lake at LaPorte	LaPorte	.65	106	798.20	760	+	1942-49, 1952-75
05-5156.00	Koontz Lake at Koontz Lake	Starke	h6.25	346	714.56	3,170	+	1943-76
05-5158.00	Riddles Lake near Lakeville	St. Joseph	h11.7	77	817.50	640	+	1946-73
05-5162.00	Lake of the Woods near Bremen	Marshall	h9.45	416	803.85	6,810	+	1945-76
05-5166.00	Pretty Lake near Plymouth	Marshall	.85	97	787.36	2,140	+	1954-66

Lakes in the Upper Mississippi River basin for which records are available--Continued

	Lake	County	Drainage Area (square mile)	Surface Area (acres)	Established Levelxx	Capacity (acre-feet)	Depth Contour Map available	Records available
		ILLINOIS RIVER BASIN--Continued						
05-5167.00	Myers Lake near Twin Lakes	Marshall	1.41	96	768.69	2,000	+	1945-53
05-5168.00	Mill Pond and Kreighbaum Lake near Twin Lakes	Marshall	h5.34	168	767.75	1,020	+	1945-53
05-5169.00	Eagle Lake near Ober	Starke	h25.5	24	713.25	160	+	1946-53
05-5171.00	Skitz Lake near Knox	Starke	-	1,000	-	-	-	1949-53
05-5172.00	Bass Lake at Bass Lake	Starke	5.18	1,400	713.65	-	-	1943-76
05-5176.00	Wauhob Lake near Valparaiso	Porter	.40	21	-	-	-	1946-76
05-5176.50	Long Lake near Valparaiso	Porter	1.31	65	797.66	520	+	1947-52
05-5176.70	Spectacle Lake near Valparaiso	Porter	.53	62	812.82	540	+	1946-53
05-5177.00	Flint Lake near Valparaiso	Porter	2.62	86	797.66	-	-	1946-76
05-5178.00	Lake Eliza near Beatrice	Porter	1.70	45	-	-	-	1954-74
05-5187.00	Cedar Lake at Cedar Lake	Lake	8.14	781	-	6,750	+	1943-75
05-5188.00	Dalecarlia Lake near Creston	Lake	20.1	193	-	-	-	1947-52
05-5213.00	Ringneck Lake near Medaryville	Jasper	1.94	1,400	-	-	-	1949-55
05-5257.00	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.
* Corrected
xx Elevation, in feet, above mean sea level.
a Formerly published as Rider Lake at Wilmot.
b Formerly published as Chapman Lake near Warsaw.
c Formerly published as Johnson Lake near Pierceton.
d Formerly published as Hawks Lake near Culver.
e Formerly published as Jimmerson Lake at Nevada Mills.
f Formerly published as Sanford Lake near Cosperville.
g Formerly published as Duley Lake near Cromwell, and Druely Lake near Cromwell, and Druley Lake near Cromwell.
h Contains drainage area (5 percent or greater) that does not contribute directly to surface-water runoff.
j Same as Wolf Lake at Chicago, Illinois District.

OTHER LAKE MAPS AVAILABLE

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	Clay	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

ALLEN COUNTY

410426084495201. Local number, AL 5.
LOCATION.--Lat 41°04'26", long 84°49'52", Hydrologic Unit 04100005, 1.3 mi (2.1 km) west of Edgerton.
Owner: Noel Gerig.
AQUIFER.--Salina Formation.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 4 in (0.1 m), depth 97 ft (30 m) cased to 40 ft (12.2 m), open end.
Instrumentation: Water-level recorder.
DATUM.--Altitude of land-surface datum is 760 ft (232 m). Measuring point: Top of floor of shelter 0.17 ft (0.05 m) above land-surface datum.
PERIOD OF RECORD.--July 1962 to December 1971. January 1973 to current year.
EXTREMES.--Current year: Highest water level, 33.30 ft (10.15 m) below land-surface datum Mar. 12; lowest, 36.95 ft (11.26 m) below land-surface datum, Aug. 19.
Period of record: Highest water level, 10.04 ft (3.06 m) below land-surface datum July 8, 9, 1962; lowest, 38.41 ft (11.71 m) below land-surface datum, May 4, 1967.
REMARKS.--Water level affected by nearby quarry operations.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	35.18	35.75	35.06	35.40	34.60	33.50	33.75	34.15	36.35	36.65	NR	36.35
10	35.43	35.10	34.73	34.95	33.90	33.65	33.75	34.90	36.05	36.60	36.25	36.40
15	35.48	35.57	35.20	34.65	34.40	33.70	34.00	35.20	NR	36.60	36.20	36.50
20	35.50	35.17	35.35	34.90	34.05	33.30	NR	35.45	36.05	36.55	36.65	36.10
25	35.60	35.35	35.25	34.40	34.10	33.65	NR	35.60	36.00	36.25	36.50	36.30
EOM	35.83	35.00	35.15	34.25	33.85	33.55	NR	35.55	36.05	36.10	36.45	36.25

WTR YEAR 1976 MAX 33.30 MAR 12, 1976 MIN 36.95 AUG 19, 1976

ALLEN COUNTY

410847084570301. Local number, AL 6.
LOCATION.--Lat 41°08'47", long 84°57'03", Hydrologic Unit 04100005, at the intersection of Ehle and Thimler Roads, about 10 mi (16.1 km) northeast of New Haven.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and Gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 84 ft (26 m) cased to 81.5 ft (24.8 m), screened to 83.5 ft (25.5 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 760 ft (232 m). Measuring point: Top of floor of shelter 2.50 ft (0.76 m) above land-surface datum.
PERIOD OF RECORD.--December 1966 to current year.
EXTREMES.--Current year: Highest water level, 8.40 ft (2.56 m) below land-surface datum Feb. 22; lowest, 13.75 ft (4.19 m) below land-surface datum, Sept. 30.
Period of record: Highest water level, 8.20 ft (2.50 m) below land-surface datum, May 1, 1970; lowest, 14.52 ft (4.43 m) below land-surface datum, Oct. 26, 1974.
REMARKS.--Water level affected by pumpage.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.83	11.95	10.60	10.45	10.80	8.75	10.40	10.65	11.50	11.95	12.35	13.30
10	11.90	11.66	10.30	10.45	10.05	9.05	10.65	10.80	11.70	11.65	12.45	13.40
15	11.96	11.57	9.48	10.55	9.45	9.75	10.80	11.00	11.85	11.90	12.55	13.45
20	11.83	11.61	9.38	10.75	8.75	10.03	11.00	11.10	11.95	12.20	12.75	13.50
25	11.81	11.74	9.95	10.70	8.70	10.35	10.65	11.30	11.80	12.20	12.95	13.60
EOM	11.84	11.10	10.25	10.50	9.25	10.35	10.40	11.35	11.80	12.20	13.10	13.60

WRT YEAR 1976 MAX 8.40 FEB 22, 1976 MIN 13.75 SEP 30, 1976

BARTHOLOMEW COUNTY

391320085534601. Local number, BA 3.
LOCATION.--Lat 39°13'20", long 85°53'46", Hydrologic Unit 05120205, in northeast corner of Lincoln Park in the city of Columbus.
Owner: City of Columbus.
AQUIFER.--Sand and Gravel of Quaternary Age.
WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in (0.15 m), depth 123 ft (37.5 m), cased to 116 ft (35 m), screened to 121 ft (37 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 639.8 ft (195.0 m). Measuring point: Top of floor of shelter 2.50 ft (0.76 m) above land-surface datum.
PERIOD OF RECORD.--January 1965 to current year.
EXTREMES.--Current year: Highest water level, 18.70 ft (5.70 m) below land-surface datum Apr. 10; lowest, 26.10 ft (7.96 m) below land-surface datum, Feb. 9.
Period of record: Highest water level, 16.75 ft (5.11 m) below land-surface datum Feb. 24, 25, 1975; lowest, 28.74 ft (8.76 m) below land-surface datum, Oct. 9, 1971.
REMARKS.--Water level affected by pumpage for water and sewage utilities.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.55	NR	NR	NR	NR	20.65	NR	NR	18.70	19.91	20.59	19.47
10	NR	NR	NR	NR	25.35	19.80	18.70	NR	18.75	20.17	20.70	19.43
15	NR	NR	NR	NR	25.45	19.45	18.80	18.80	19.05	20.55	20.43	19.43
20	22.40	NR	NR	NR	25.95	19.10	NR	18.85	19.13	20.51	19.97	19.42
25	NR	NR	NR	NR	23.75	NR	18.80	NR	19.38	20.72	19.60	19.45
EOM	NR	NR	NR	24.90	23.60	18.85	18.75	NR	19.65	20.56	19.49	19.38

WTR YEAR 1976 MAX 18.70 APR 10, 1976 MIN 26.10 FEB 9, 1976

BARTHOLOMEW COUNTY

391627085534401. Local number, BA 4.
LOCATION.--Lat 39°16'27", long 85°53'44", 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 (0.15 m), depth 93 ft (28 m), cased to 85 ft (26 m), screened to 90 ft (27 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 646 ft (197 m). Measuring point: Top of floor of shelter 2.60 ft (0.79 m) above land-surface datum.
PERIOD OF RECORD.--January 1965 to current year.
EXTREMES.--Current year: Highest water level, 16.75 ft (5.11 m) below land-surface datum Mar. 16; lowest, 19.70 ft (6.00 m) below land-surface datum, Sept. 14, 15.
Period of record: Highest water level, 14.44 ft (4.40 m) below land-surface datum May 1, 1975; lowest, 20.61 ft (6.28 m) below land-surface datum, Jan. 26, 27, 1965.

HIGHEST WATER LEVEL IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.56	19.04	19.32	18.87	17.41	16.95	17.15	17.72	18.42	NR	19.17	19.57
10	18.64	19.10	19.32	18.49	17.30	16.83	17.26	NR	18.50	NR	19.25	19.64
15	18.74	19.15	19.32	18.19	17.29	16.77	17.36	NR	NR	NR	19.30	19.70
20	18.83	19.19	19.27	18.05	17.26	16.88	17.45	NR	NR	NR	19.37	NR
25	18.91	19.24	19.18	17.90	17.19	16.95	17.47	NR	NR	19.01	19.42	NR
EOM	18.98	19.28	19.03	17.58	17.09	17.05	17.60	18.31	NR	19.12	19.50	NR

WTR YEAR 1976 MAX 16.75 MAR 16, 1976 MIN 19.70 SEP 15, 1976

BARTHOLOMEW COUNTY

390950085553501. Local number, BA 8.
LOCATION.--Lat 39°09'50", long 85°55'35", Hydrologic Unit 05120206, on property of Meadows Metal Products Co. about 4 mi (6.4 km) 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 (0.15 m), depth 49 ft (15 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 618.5 ft (188.5 m). Measuring point: Top of floor of shelter 3.00 ft (0.91 m) above land-surface datum.
PERIOD OF RECORD.--February 1967 to current year.
EXTREMES.--Current year: Highest water level, 13.75 ft (4.19 m) below land-surface datum Mar. 9, 10; lowest, 20.78 ft (6.33 m) below land-surface datum, Sept. 30.
Period of record: Highest water level, 8.06 ft (2.46 m) below land-surface datum June 3, 1968; lowest, 20.78 ft (6.33 m) below land-surface datum, Sept. 30, 1976.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.60	18.74	18.61	17.54	15.19	13.80	14.77	16.36	17.80	18.86	19.41	20.18
10	18.63	18.77	18.55	16.96	15.06	13.75	15.03	16.64	17.99	18.97	19.52	20.49
15	18.67	18.76	18.45	16.60	15.05	13.90	15.29	16.86	18.15	19.06	19.63	20.40
20	NR	18.73	18.35	16.39	14.92	14.07	15.58	17.08	18.57	19.15	19.74	20.52
25	18.72	18.72	18.20	NR	14.45	14.26	15.82	17.32	18.54	19.26	19.88	20.64
EOM	18.74	NR	17.95	15.66	14.06	14.51	16.12	17.59	18.71	19.30	20.05	20.76

WTR YEAR 1976 MAX 13.75 MAR 9, 10, 1976 MIN 20.78 SEP 30, 1976

BARTHOLOMEW COUNTY

391035085560401. Local number, BA 9.
LOCATION.--Lat 39°10'35", long 85°56'04", Hydrologic Unit 05120206, at the Bartholomew County Home on the 4-H Fairgrounds about 3.0 mi (4.8 km) south of Columbus.
Owner: City of Columbus.
AQUIFER.--Sand and Gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in (0.15 m), depth 115 ft (35 m) cased to 106 ft (32 m), screened to 111 ft (34 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 621.5 ft (189.4 m). Measuring point: Top of floor of shelter 1.65 ft (0.50 m) above land-surface datum.
PERIOD OF RECORD.--April 1970 to current year.
EXTREMES.--Current year: Highest water level, 18.54 ft (5.65 m) below land-surface datum Mar. 2; lowest, 33.52 ft (10.22 m) below land-surface datum, Sept. 21, 28.
Period of record: Highest water level, 12.75 ft (3.89 m) below land-surface datum Apr. 27-30, 1973; lowest, 33.52 ft (10.22 m) below land-surface datum, Sept. 21, 28, 1976.
REMARKS.--Water level affected by pumpage from municipal supply well field.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	23.58	23.24	22.97	NR	NR	19.62	NR	25.35	NR	28.22	29.52	NR
10	23.53	23.18	22.91	21.55	19.58	NR	NR	NR	NR	28.42	29.58	NR
15	23.47	23.14	22.84	NR	19.56	NR	NR	NR	NR	28.78	29.80	32.28
20	23.42	23.07	22.74	NR	19.39	21.63	24.22	NR	28.39	29.00	30.53	32.01
25	23.34	23.07	NR	NR	NR	22.03	24.60	NR	28.49	29.21	NR	32.07
EOM	23.27	NR	22.50	20.00	18.63	NR	NR	NR	28.48	29.43	NR	32.22

WTR YEAR 1976 MAX 18.54 MAR 2, 1976 MIN 33.52 SEP 21-28, 1976

CASS COUNTY

403407086175701. Local number, CS 3.
LOCATION.--Lat 40°34'07", long 86°17'57", Hydrologic Unit 05120105, at intersection of State Highway 18 and County Road 400 East, 2.5 mi (4.0 km) east of Young America.
Owner: U.S. Geological Survey.
AQUIFER.--Dolomitic Limestone of Devonian-Silurian Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 130 ft (40 m), cased to 78 ft (24 m), open end.
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 780 ft (238 m). Measuring point: Top of floor of shelter 2.65 ft (0.81 m) above land-surface datum.
PERIOD OF RECORD.--August 1967 to current year.
EXTREMES.--Current year: Highest water level, 5.20 ft (1.58 m) below land-surface datum Feb. 18; lowest, 7.25 ft (2.21 m) below land-surface datum, Sept. 24.
Period of record: Highest water level, 3.85 ft (1.17 m) below land-surface datum Feb. 2, 1968; lowest, 7.25 ft (2.21 m) below land-surface datum, Sept. 24, 1976.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.40	6.50	6.35	NR	6.10	5.35	5.90	6.10	6.40	6.10	6.30	6.80
10	6.40	6.35	6.25	5.95	5.65	5.70	5.95	6.15	6.40	6.15	6.40	6.85
15	6.40	6.40	5.60	5.95	5.95	5.65	6.00	6.15	6.05	6.15	6.50	6.90
20	6.35	6.35	NR	6.00	5.85	5.60	6.05	6.25	6.30	6.25	6.60	6.85
25	6.70	6.50	NR	5.95	5.75	5.70	5.95	6.30	5.80	6.30	6.65	7.10
EOM	6.40	6.10	NR	6.00	5.70	5.80	6.05	6.05	6.05	6.25	6.70	7.00

WTR YEAR 1976 MAX 5.20 FEB 18, 1976 MIN 7.25 SEP 24, 1976

DECATUR COUNTY

392022085371801. Local number, DC 2.
LOCATION.--Lat 39°20'22', long 85°37'18", Hydrologic Unit 05120206, at the intersection of county roads 50 North and 750 West, about 7.5 mi (12.1 km) west of Greensburg.
Owner: U.S. Geological Survey.
AQUIFER.--Limestone of Devonian Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 49 ft (15 m), cased to 12.5 ft (3.8 m), open end.
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 845 ft (258 m). Measuring point: Top of floor of shelter 3.02 ft (0.92 m) above land-surface datum.
PERIOD OF RECORD.--September 1966 to October 1971. September 1974 to current year.
EXTREMES.--Current year: Highest water level, 0.55 ft (0.17 m) below land-surface datum Feb. 18, 21; lowest, 8.75 ft (2.67 m) below land-surface datum, Sept. 27, 29, 30.
Period of record: Highest water level, 0.16 ft (0.05 m) below land-surface datum Dec. 10, 1966; lowest, 9.17 ft (2.80 m) below land-surface datum, Oct. 16, 1967.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.37	6.83	5.32	NR	3.82	3.95	6.30	7.20	5.50	7.15	7.95	8.40
10	7.80	6.75	5.17	3.27	3.82	4.45	6.50	7.30	6.00	7.35	8.05	8.50
15	7.82	6.53	2.55	2.30	3.60	4.90	6.75	7.35	6.40	7.50	7.85	8.55
20	6.24	6.77	3.40	3.88	1.05	5.30	6.90	7.45	6.70	7.60	7.95	8.65
25	6.62	7.00	4.25	0.90	1.62	5.55	7.00	7.50	6.90	7.70	8.15	8.70
EOM	6.73	5.62	0.67	2.10	3.15	6.00	7.10	7.20	7.05	7.85	8.25	8.75

WTR YEAR 1976 MAX 0.67 DEC 31, 1975 MIN 8.75 SEP 27, 29, 30, 1975

DELAWARE COUNTY

400541085213701. Local number, DW 4.
LOCATION.--Lat 40°05'41", long 85°21'37", Hydrologic Unit 05120201, on property owned by Monroe Township Convervation Club about 8.0 mi (13 km) south of Muncie.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and Gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 91 ft (28 m), cased to 89 ft (27 m), screened to 91 ft (28 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 1,005 ft (306 m). Measuring point: Top of floor of shelter 2.88 ft (0.88 m) above land-surface datum.
PERIOD OF RECORD.--October 1966 to October 1971. October 1974 to current year.
EXTREMES.--Current year: Highest water level, 46.75 ft (14.25 m) below land-surface datum Feb. 18; lowest, 49.25 ft (15.01 m) below land-surface datum, Sept. 25.
Period of record: Highest water level, 45.65 ft (13.90 m) below land-surface datum Feb. 23, 1975; lowest, 49.50 ft (15.09 m) below land-surface datum, Oct. 13, 14, 1966.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	49.05	49.05	49.00	48.75	48.40	47.35	48.40	48.75	48.65	48.40	48.95	49.10
10	49.10	49.05	49.05	48.80	46.90	47.60	48.50	48.80	48.75	48.50	49.00	49.15
15	49.10	49.10	48.85	48.55	47.65	47.90	48.60	48.80	48.85	48.60	49.00	49.15
20	49.00	49.10	48.70	48.70	47.00	48.05	48.60	48.80	48.85	48.70	49.05	49.20
25	49.00	49.10	48.90	47.40	47.40	48.15	48.65	48.85	48.85	48.80	49.05	49.20
EOM	49.05	49.00	48.80	48.00	47.80	48.25	48.70	48.60	48.35	48.85	49.10	49.20

WTR YEAR 1976 MAX 46.75 FEB 18, 1976 MIN 49.25 SEP 25, 1976

ELKHART COUNTY

413121085481301. Local number, EH 4.
LOCATION.--Lat 41°31'21", long 85°48'13", Hydrologic Unit 040500001, 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 (0.15 m), depth 62 ft (19 m), cased to 58 ft (18 m), screened to 60 ft (18 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 818 ft (249 m). Measuring point: Top of floor of shelter 2.60 ft (0.79 m) above land-surface datum.
PERIOD OF RECORD.-- November 1966 to current year.
EXTREMES.--Current year: Highest water level, 12.65 ft (3.86 m) below land-surface datum Mar. 12-21; lowest, 15.27 ft (4.65 m) below land-surface datum, Nov. 28.
Period of record: Highest water level, 12.30 ft (3.75 m) below land-surface datum Apr. 16, 1973; lowest, 16.18 ft (4.93 m) below land-surface datum, Dec. 1-5, 1971.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.85	15.12	15.19	14.83	14.63	13.55	12.80	13.05	13.20	13.50	13.40	13.60
10	14.91	15.14	15.15	14.82	14.59	12.80	12.80	13.10	13.30	13.55	13.35	13.75
15	15.00	15.17	15.13	14.85	14.49	12.65	12.80	13.10	13.35	13.75	13.35	13.80
20	15.00	15.22	15.02	14.88	14.38	12.65	12.85	13.10	13.45	14.05	13.40	13.90
25	15.05	15.23	14.88	14.93	14.10	12.75	12.90	13.10	13.50	14.03	13.55	13.95
EOM	15.10	15.26	14.86	14.79	13.94	12.75	13.00	13.15	13.50	13.60	13.60	14.00

WTR YEAR 1976 MAX 12.65 MAR 12-21, 1976 MIN 15.27 NOV 28, 1975

ELKHART COUNTY

414419085544601. Local number, EH 5.
LOCATION.--Lat 41°44'19", long 85°54'46", Hydrologic Unit 04050001, on the inlet to Heaton Lake, about 3.5 mi (5.6 km) east of Elkhart.
Owner: State of Indiana.
AQUIFER.--Sand and Gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled water-table well, diameter 1.5 in (0.04 m), depth 13 ft (4 m), cased to 11 ft (3.4 m), screened to 13 ft (4 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 770 ft (235 m). Measuring point: Top of floor of shelter 2.10 ft (0.64 m) above land-surface datum.
PERIOD OF RECORD.--May 1976 to current year.
EXTREMES.--Current year: Highest water level, 2.37 ft (0.72 m) below land-surface datum Mar. 4; lowest, 4.94 ft (1.51 m) below land-surface datum, Sept. 25, 26.
Period of record: Highest water level, 2.37 ft (0.72 m) below land-surface datum Mar. 4, 1976; lowest, 4.94 ft (1.51 m) below land-surface datum, Sept. 25, 26, 1976.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	NR	NR	NR	NR	NR	NR	NR	NR	3.33	3.45	3.48	4.43
10	NR	NR	NR	NR	NR	NR	NR	NR	3.45	3.60	3.54	4.51
15	NR	NR	NR	NR	NR	NR	NR	NR	3.54	3.81	3.68	4.70
20	NR	NR	NR	NR	NR	NR	NR	NR	3.55	3.76	3.91	4.82
25	NR	NR	NR	NR	NR	NR	NR	NR	3.27	3.50	4.06	4.93
EOM	NR	NR	NR	NR	NR	NR	NR	3.17	3.30	3.34	4.25	4.83

WTR YEAR 1976 MAX 2.37 MAR 4, 1976 MIN 4.94 SEP 25, 26, 1976

ELKHART COUNTY

414351085540401. Local number, EH 6.
LOCATION.--Lat 41°43'51", long 85°54'04", Hydrologic Unit 04050001, on the southeast shore of Heaton Lake, 4.0 mi (6.4 km) east of Elkhart.
Owner: State of Indiana.
AQUIFER.--Sand and Gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 1.5 in (0.04 m), depth 22 ft (6.7 m), cased to 20 ft (6.1 m), screened to 22 ft (6.7 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 770 ft (235 m). Measuring point: Top of floor of shelter 2.50 ft (0.76 m) above land-surface datum.
PERIOD OF RECORD.--May 1976 to current year.
EXTREMES.--Current year: Highest water level, 6.62 ft (2.02 m) below land-surface datum May 18; lowest, 9.28 ft (2.83 m) below land-surface datum, Sept. 19, 23-26, 30.
Period of record: Highest water level, 6.62 ft (2.02 m) below land-surface datum May 18, 1976; lowest, 9.28 ft (2.83 m) below land-surface datum, Sept. 19, 23-26, 30, 1976.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	NR	NR	NR	NR	NR	NR	NR	NR	6.88	7.68	7.90	9.02
10	NR	NR	NR	NR	NR	NR	NR	NR	7.04	7.86	7.96	9.18
15	NR	NR	NR	NR	NR	NR	NR	NR	7.22	8.12	8.15	9.28
20	NR	NR	NR	NR	NR	NR	NR	NR	7.32	8.34	8.33	9.28
25	NR	NR	NR	NR	NR	NR	NR	NR	7.49	8.06	8.46	9.29
EOM	NR	NR	NR	NR	NR	NR	NR	6.70	7.59	7.97	8.81	9.28

WTR YEAR 1976 MAX 6.62 MAY 26, 1976 MIN 9.28 SEP 14, 1976

FRANKLIN COUNTY

392416085004301. Local number, FR 5.
LOCATION.--Lat 39°24'16", long 85°00'43", Hydrologic Unit 05080003, adjacent to property of Franklin County Conservation Club about 1.0 mi (1.6 km) south of Brookville.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and Gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in (0.15 m), depth 61 ft (19 m), cased to 57 ft (17 m), screened to 59 ft (18 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 625 ft (190 m). Measuring point: Top of floor of shelter 2.71 ft (0.83 m) above land-surface datum.
PERIOD OF RECORD.--March 1968 to October 1971. September 1974 to current year.
EXTREMES.--Current year: Highest water level, 22.70 ft (6.92 m) below land-surface datum Feb. 19; lowest, 27.00 ft (8.23 m) below land-surface datum, Sept. 23-30.
Period of record: Highest water level, 11.95 ft (3.64 m) below land-surface datum May 24, 1968; lowest, 27.05 ft (8.24 m) below land-surface datum, Sept. 9-11, 1975.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	26.45	25.80	25.95	24.50	24.40	24.20	25.65	26.30	26.00	26.00	26.70	26.80
10	26.25	25.80	26.10	25.00	24.85	24.50	25.85	26.35	26.30	26.20	26.55	26.90
15	26.20	25.80	25.55	24.60	24.35	24.90	26.00	26.40	26.50	26.40	26.65	26.95
20	25.65	25.70	25.20	25.00	22.75	25.25	26.10	26.45	26.50	26.45	26.70	26.95
25	25.50	25.65	25.60	24.95	23.25	25.20	26.15	26.55	26.45	26.45	26.60	27.00
EOM	25.75	26.00	24.65	23.40	24.05	25.45	26.15	26.50	26.10	26.55	26.75	27.00

WTR YEAR 1976 MAX 22.70 FEB 19, 1976 MIN 27.00 SEP 23-30, 1976

FULTON COUNTY

405829086175801. Local number, FU 7.
LOCATION.--Lat 40°58'29", long 86°17'58", Hydrologic Unit 05120106, about 2.5 mi (4.0 km) northwest of Fulton.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and Gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 102 ft (31 m), cased to 96 ft (29 m), screened to 102 ft (31 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 780 ft (238 m). Measuring point: Top of floor of shelter 2.50 ft (0.76 m) above land-surface datum.
PERIOD OF RECORD.--August 1967 to current year.
EXTREMES.--Current year: Highest water level, 7.55 ft (2.30 m) below land-surface datum Mar. 9, 10; lowest, 11.65 ft (3.55 m) below land-surface datum, Sept. 24, 25, 28-30.
Period of record: Highest water level, 6.35 ft (1.94 m) below land-surface datum Apr. 23-27, 1973; lowest, 11.70 ft (3.57 m) below land-surface datum, Oct. 21-Nov. 3, 1974.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.15	10.35	9.45	9.00	9.70	7.65	7.95	8.70	9.55	10.15	10.50	11.20
10	10.20	10.30	9.25	9.10	9.65	7.55	8.20	8.85	9.60	10.25	10.65	11.35
15	10.25	10.35	9.00	9.20	8.85	7.65	8.35	8.95	9.75	10.25	10.70	11.45
20	10.25	10.30	8.60	9.35	8.15	7.75	8.60	9.10	9.85	10.40	10.85	11.50
25	10.30	10.35	8.80	9.40	7.70	8.00	8.60	9.25	9.90	10.25	11.00	11.65
EOM	10.35	9.95	8.90	9.50	7.80	7.80	8.60	9.35	10.00	10.35	11.15	11.65

WTR YEAR 1976 MAX 7.55 MAR 9, 10, 1976 MIN 11.65 SEP 24, 25, 28-30, 1976

GRANT COUNTY

402322085481901. Local number, GT 8.
LOCATION.--Lat 40°23'22", long 85°48'19", Hydrologic Unit 05120107, located on County Road 700 West right of way about 1.0 mi (1.6 km) northwest of Rigdon.
Owner: U. S. Geological Survey.
AQUIFER.--Limestone of Silurian Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 35 ft (11 m), cased to 20 ft (6 m), open end.
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 880 ft (268 m). Measuring point: Top of floor of shelter 3.10 ft (0.94 m) above land-surface datum.
PERIOD OF RECORD.--October 1966 to October 1971. July 1974 to current year.
EXTREMES.--Current year: Highest water level, 1.60 ft (0.49 m) below land-surface datum Feb. 18; lowest, 7.85 ft (2.39 m) below land-surface datum, Sept. 24, 25.
Period of record: Highest water level, 1.30 ft (0.40 m) below land-surface datum Feb. 24, 1975; lowest, 10.66 ft (3.25 m) below land-surface datum, Oct. 29, 1966.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.45	6.50	4.65	3.75	4.15	1.75	3.25	4.15	4.75	4.25	5.20	6.70
10	6.45	6.15	4.45	4.00	3.40	2.55	3.60	4.30	4.70	4.60	5.50	6.95
15	6.50	6.00	3.10	3.45	2.60	3.00	3.75	4.40	4.75	3.90	5.70	7.15
20	6.35	5.85	3.20	3.85	2.10	2.70	3.90	4.55	4.95	4.45	6.00	7.15
25	6.35	6.15	3.85	3.50	NR	2.75	3.85	4.65	4.50	4.75	6.20	7.40
EOM	6.35	5.00	3.65	3.60	NR	2.60	4.00	4.65	3.85	4.95	6.50	7.50

WTR YEAR 1976 MAX 1.60 FEB 18, 1976 MIN 7.85 SEP 24, 25, 1976

HAMILTON COUNTY

400000086023001. Local number, HA 5.
LOCATION.--Lat 40°00'00", long 86°02'30", Hydrologic Unit 05120201, on Gray Road, about 3.5 mi (5.6 km) southwest of Noblesville.
Owner: Earlham College, Richmond, Ind.
AQUIFER.--Sand and Gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in (0.15 m), depth 100 ft (30 m), cased to 80 ft (24 m), screened to 85 ft (26 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 758 ft (231 m). Measuring point: Top of floor of shelter 2.76 ft (0.84 m) above land-surface datum.
PERIOD OF RECORD.--July 1965 to September 1971. July 1974 to current year.
EXTREMES.--Current year: Highest water level, 8.30 ft (2.53 m) below land-surface datum Mar. 6, 7; lowest, 10.90 ft (3.32 m) below land-surface datum, Oct. 7, 8.
Period of record: Highest water level, 8.07 ft (2.46 m) below land-surface datum Feb. 25, 1975; lowest, 11.66 ft (3.55 m) below land-surface datum, Sept. 19, 1966.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.90	10.80	10.45	10.00	9.95	8.35	9.50	10.05	9.85	10.05	10.35	10.65
10	10.85	10.70	10.45	10.11	9.80	8.55	9.65	10.10	10.00	10.15	10.35	10.70
15	10.85	10.70	10.30	9.92	9.30	8.85	9.75	10.15	10.15	9.85	10.30	10.75
20	10.75	10.75	10.20	10.07	8.55	9.15	9.85	10.20	10.20	10.05	10.40	10.75
25	10.75	10.80	10.22	9.85	8.65	9.30	9.90	10.25	10.15	10.15	10.45	10.80
EOM	10.80	10.50	10.10	9.75	8.90	9.35	9.95	10.15	9.95	10.25	10.55	10.85

WTR YEAR 1976 MAX 8.30 MAR 6, 7, 1976 MIN 10.90 OCT 7, 8, 1976

HARRISON COUNTY

382323086044501. Local number, HR 8.
LOCATION.--Lat 38°23'23", long 86°04'45", Hydrologic Unit 05140104, on Harrison County Road right of way, 2.0 mi (3.2 km) southeast of Palmyra.
Owner: U.S. Geological Survey.
AQUIFER.--Limestone of Mississippian Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 93 ft (28 m), cased to 54 ft (16 m), open end.
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 827 ft (252 m). Measuring point: Top of floor of shelter 3.08 ft (0.94 m) above land-surface datum.
PERIOD OF RECORD.--November 1965 to current year.
EXTREMES.--Current year: Highest water level, 2.40 ft (0.73 m) below land-surface datum Feb. 19; lowest, 17.65 ft (5.38 m) below land-surface datum, Oct. 16.
Period of record: Highest water level, 1.30 ft (0.40 m) below land-surface datum Apr. 22, 1972; lowest, 19.71 ft (6.01 m) below land-surface datum, Nov. 5, 1966.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	NR	NR	NR	NR	5.10	5.10	8.45	12.30	11.10	5.65	10.75	13.35
10	NR	NR	NR	NR	5.25	5.70	9.20	12.85	10.80	6.05	11.00	13.75
15	17.60	NR	NR	NR	5.70	6.60	9.95	13.30	11.00	7.50	11.40	14.10
20	NR	NR	NR	NR	2.75	7.40	10.65	13.60	10.60	8.30	11.90	14.35
25	NR	NR	NR	NR	3.35	7.75	11.15	13.90	7.60	9.10	12.40	14.75
EOM	NR	NR	NR	4.15	4.20	8.25	11.80	13.80	5.20	10.05	13.00	15.10

WTR YEAR 1976 MAX 2.40 FEB 19, 1976 MIN 17.65 OCT 16, 1975

HENDRICKS COUNTY

394025086400801. Local number, HD 4.
LOCATION.--Lat 39°40'25", long 86°40'08", Hydrologic Unit 05120203, at the intersection of State Highway 75 and County Road 600 South on county right of way 1.0 mi (1.6 km) south of Coatesville.
Owner: U.S. Geological Survey.
AQUIFER.--Sandstone of Mississippian Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 85 ft (26 m), cased to 70 ft (21 m), open end.
Instrumention: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 860 ft (262 m). Measuring point: Top of floor of shelter 1.92 ft (0.59 m) above land-surface datum.
PERIOD OF RECORD.--October 1966 to September 1971. November 1974 to current year.
EXTREMES.--Current year: Highest water level, 18.65 ft (5.68 m) below land-surface datum Jan. 30; lowest, 26.00 ft (7.92 m) below land-surface datum, Oct. 7, 13.
Period of record: Highest water level, 18.65 ft (5.68 m) below land-surface datum Jan. 30, 1976; lowest, 26.86 ft (8.19 m) below land-surface datum, Nov. 6, 1966.
REMARKS.--Water level affected by pumpage.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.70	25.75	NR	19.15	18.75	21.60	NR	23.25	24.40	24.90	23.85	NR
10	25.60	25.40	NR	19.15	NR	NR	NR	23.55	24.50	24.40	24.45	NR
15	25.80	25.70	NR	18.80	NR	NR	NR	23.65	24.00	25.00	24.30	NR
20	25.75	NR	19.05	18.80	21.55	NR	22.80	23.70	24.25	24.70	24.60	NR
25	25.70	NR	18.95	18.75	21.80	NR	22.85	23.95	24.20	24.70	24.70	25.65
EOM	25.55	NR	18.55	18.90	22.00	NR	23.10	24.10	24.40	24.50	24.90	25.45

WTR YEAR 1976 MAX 18.65 JAN 30, 1976 MIN 25.95 SEP 24, 1976

JASPER COUNTY

410249087011201. Local number, JP 4.
LOCATION.--Lat 41°02'49", long 87°01'12", Hydrologic Unit 07120002, on property of William Gehring, Inc., 0.9 mi (1.4 km) east of Newland.
Owner: William Gehring, Inc.
AQUIFER.--Limestone of Devonian Age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 16 in (0.41 m), depth 300 ft (91 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 680 ft (207 m). Measuring point: Top of floor of shelter 0.00 ft (0.00 m) above land-surface datum.
PERIOD OF RECORD.--July 1956 to current year.
EXTREMES.--Current year: Highest water level, 2.89 ft (0.88 m) below land-surface datum Mar. 22; lowest, 19.85 ft (6.05 m) below land-surface datum, Jul. 13.
Period of record: Highest water level, 0.95 ft (0.29 m) below land-surface datum Apr. 8, 1962; lowest, 30.95 ft (9.43 m) below land-surface datum, Jul. 30, 31, 1966.
REMARKS.--Water level affected by pumpage.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.05	5.35	5.35	6.60	NR	NR	NR	NR	9.55	4.70	NR	NR
10	NR	NR	5.80	7.55	NR	NR	NR	NR	9.90	10.80	9.60	12.90
15	NR	NR	NR	NR	NR	NR	NR	NR	11.55	12.90	NR	12.30
20	NR	NR	NR	NR	4.50	NR	NR	NR	8.15	NR	NR	NR
25	NR	NR	NR	NR	4.35	NR	NR	NR	6.05	NR	NR	NR
EOM	5.25	NR	NR	NR	NR	NR	NR	NR	5.05	NR	NR	NR

WTR YEAR 1976 MAX 2.89 MAR 22, 1976 MIN 19.85 SEP 13, 1976

KNOX COUNTY

383247087361001. Local number, KN 7.
LOCATION.--Lat 38°32'47", long 87°36'10", Hydrologic Unit 05120113, in the right of way of Sixth Street, 9.8 mi (15.8 km) south of Vincennes.
Owner: Michael J. Kelley.
AQUIFER.--Sand and Gravel of Quaternary Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 43 ft (13 m), cased to 16 ft (4.9 m), slotted to 19 ft (5.8 m), open end.
Instrumentation: Water-stage recorder. Prior to April 1968, handtaped monthly.
DATUM.--Altitude of land-surface datum is 405 ft (123 m). Measuring point: Top of floor of shelter 2.42 ft (0.74 m) above land-surface datum.
PERIOD OF RECORD.--November 1956 to December 1972. January 1974 to current year.
EXTREMES.--Current year: Highest water level, 8.10 ft (2.47 m) below land-surface datum Jan. 1; lowest, 11.10 ft (3.38 m) below land-surface datum, Sept. 30.
Period of record: Highest water level, 3.27 ft (1.00 m) below land-surface datum Jan. 30, 1969; lowest, 11.10 ft (3.38 m) below land-surface datum, Dec. 13, 1971, Sept. 30, 1976.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.75	10.85	10.50	8.65	9.90	9.50	9.55	10.10	8.90	10.20	10.70	10.95
10	10.75	10.85	10.50	NR	10.05	9.65	9.80	10.15	9.55	10.30	10.75	11.00
15	10.80	10.85	10.35	9.65	9.95	9.70	9.90	10.15	9.90	10.45	10.80	11.00
20	10.80	10.85	10.10	9.85	9.55	9.70	10.00	10.20	10.10	10.55	10.85	11.05
25	10.80	10.90	9.95	9.75	9.25	9.65	10.00	10.30	10.05	10.60	10.85	11.05
EOM	10.85	10.65	8.20	9.70	9.40	9.35	10.05	9.25	10.15	10.65	10.90	11.10

WTR YEAR 1976 MAX 8.10 JAN 1, 1976 MIN 11.10 SEP 30, 1976

KOSCIUSKO COUNTY

411839085451601. Local number, KO 4.
LOCATION.--Lat 41°18'39", long 85°45'16", Hydrologic Unit 05120106, on the county right of way of Armstrong Road, 2.0 mi (3.2 km) east of Oswego.
Owner: State of Indiana.
AQUIFER.--Sand of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled water-table well, diameter 1.5 in (0.04 m), depth 22 ft (6.7 m), cased to 20 ft (6.1 m), screened to 22 ft (6.7 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 852 ft (260 m). Measuring point: Top of floor of shelter 3.00 ft (0.91 m) above land-surface datum.
PERIOD OF RECORD.--May 1976 to current year.
EXTREMES.--Current year: Highest water level, 10.04 ft (3.06 m) below land-surface datum Mar. 24; lowest, 12.83 ft (3.91 m) below land-surface datum, Sept. 30.
Period of record: Highest water level, 10.04 ft (3.06 m) below land-surface datum Mar. 24; lowest, 12.83 ft (3.91 m) below land-surface datum, Sept. 30, 1976.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	NR	NR	NR	NR	NR	NR	NR	NR	12.02	12.18	12.26	12.49
10	NR	NR	NR	NR	NR	NR	NR	NR	12.08	12.23	12.28	12.47
15	NR	NR	NR	NR	NR	NR	NR	NR	12.08	12.30	12.33	12.47
20	NR	NR	NR	NR	NR	NR	NR	NR	12.13	12.35	12.42	12.77
25	NR	NR	NR	NR	NR	NR	NR	11.97	12.13	12.35	12.46	12.80
EOM	NR	NR	NR	NR	NR	NR	NR	11.98	12.12	12.27	12.50	12.82

WTR YEAR 1976 MAX 10.04 MAR 24, 1976 MIN 12.83 SEP 30, 1976

KOSCIUSKO COUNTY

412500085384501. Local number, KO 5.
LOCATION.--Lat 41°25'00", long 85°38'45", Hydrologic Unit 04050001, in the southeast corner of Wawasee Airport, 3.5 mi (5.6 km) east of Syracuse.
Owner: State of Indiana.
AQUIFER.--Sand of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled water-table well, diameter 1.5 in (0.04 m), depth 13 ft (4 m), cased to 11 ft (3.4 m), screened to 13 ft (4 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 870 ft (265 m). Measuring point: Top of floor of shelter 2.70 ft (0.82 m) above land-surface datum.
PERIOD OF RECORD.--May 1976 to current year.
EXTREMES.--Current year: Highest water level, 3.25 ft (0.99 m) below land-surface datum Apr. 26; lowest, 5.48 ft (1.67 m) below land-surface datum, Sept. 25, 26.
Period of record: Highest water level, 3.25 ft (0.99 m) below land-surface datum Apr. 26, 1976; lowest, 5.48 ft (1.67 m) below land-surface datum, Sept. 25, 26, 1976.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	NR	NR	NR	NR	NR	NR	NR	NR	4.04	4.42	4.52	5.16
10	NR	NR	NR	NR	NR	NR	NR	NR	4.21	4.57	4.52	5.24
15	NR	NR	NR	NR	NR	NR	NR	NR	4.39	4.76	4.62	5.38
20	NR	NR	NR	NR	NR	NR	NR	NR	4.46	4.91	4.79	5.36
25	NR	NR	NR	NR	NR	NR	NR	NR	4.24	4.84	4.92	5.47
EOM	NR	NR	NR	NR	NR	NR	NR	3.86	4.24	4.44	5.06	5.43

WTR YEAR 1976 MAX 3.25 APR 26, 1976 MIN 5.48 SEP 25, 26, 1976

LAKE COUNTY

411038087284701. Local number, LK 12.
LOCATION.--Lat 41°10'38", long 87°28'47", Hydrologic Unit 07120001, on the northern edge of Kankakee River State Park, 2.0 mi (3.2 km) southwest of Schneider.
Owner: U. S. Geological Survey.
AQUIFER.--Dolomite of Silurian Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 82 ft (25 m), cased to 52 ft (16 m), open end.
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 629 ft (192 m). Measuring point: Top of floor of shelter 1.55 ft (0.47 m) above land-surface datum.
PERIOD OF RECORD.--March 1967 to current year.
EXTREMES.--Current year: Highest water level, 0.55 ft (0.17 m) below land-surface datum Mar. 12; lowest, 13.80 ft (4.21 m) below land-surface datum, Sept. 5.
Period of record: Highest water level, 0.15 ft (0.05 m) below land-surface datum Jan. 12, 1973; lowest, 14.35 ft (4.37 m) below land-surface datum, Sept. 9, 1974.
REMARKS.--Water level may be affected by pumping.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.50	2.55	2.10	2.10	2.15	0.70	1.25	1.50	1.85	2.55	8.15	13.80
10	NR	2.45	2.05	1.95	2.05	0.65	1.45	1.20	2.00	2.65	7.95	13.25
15	NR	2.50	1.95	1.90	1.75	0.70	1.55	1.25	2.25	2.90	9.10	11.50
20	NR	2.40	1.80	2.00	1.30	0.80	1.70	1.40	2.65	4.10	10.10	11.40
25	NR	2.50	1.90	2.00	1.20	1.05	1.60	1.55	2.80	6.30	11.25	NR
EOM	2.55	2.20	2.00	2.00	1.15	1.05	1.40	1.60	2.55	7.25	12.55	NR

WTR YEAR 1976 MAX 0.55 MAR 12, 1976 MIN 13.80 SEP 5, 1976

LA PORTE COUNTY

413700086445401. Local number, LP 8.
LOCATION.--Lat 41°37'00", long 86°44'54", 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 (0.04 m), depth 22 ft (6.7 m), cased to 20 ft (6.1 m), screened to 22 ft (6.7 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 807 ft (246 m). Measuring point: Top of floor of shelter 2.60 ft (0.79 m) above land-surface datum.
PERIOD OF RECORD.--May 1976 to current year.
EXTREMES.--Current year: Highest water level, 4.15 ft (1.26 m) below land-surface datum May 27, 29; lowest, 5.51 ft (1.68 m) below land-surface datum, Sept. 24-26.
Period of record: Highest water level, 4.15 ft (1.26 m) below land-surface datum May 27, 29, 1976; lowest, 5.51 ft (1.68 m) below land-surface datum, Sept. 24-26, 1976.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	NR	NR	NR	NR	NR	NR	NR	NR	4.35	4.55	4.85	5.25
10	NR	NR	NR	NR	NR	NR	NR	NR	4.43	4.64	4.89	5.30
15	NR	NR	NR	NR	NR	NR	NR	NR	4.52	4.73	4.92	5.40
20	NR	NR	NR	NR	NR	NR	NR	NR	4.50	4.77	5.02	5.42
25	NR	NR	NR	NR	NR	NR	NR	NR	4.37	4.74	5.10	5.51
EOM	NR	NR	NR	NR	NR	NR	NR	4.16	4.40	4.76	5.15	5.43

WTR YEAR 1976 MAX 4.15 MAY 27, 29, 1976 MIN 5.51 SEP 24-26, 1976

LA PORTE COUNTY

412350086512801. Local number, LP 9.
LOCATION.--Lat 41°23'50", long 86°51'28", Hydrologic Unit 07120001, at the intersection of County Roads 1450 South and 825 West, about 3.0 mi (4.8 km) southeast of Wanatah.
Owner: U.S. Geological Survey.
AQUIFER.--Sand of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 32 ft (9.8 m), cased to 27 ft (8.2 m), screened to 32 ft (9.8 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 708 ft (216 m). Measuring point: Top of floor of shelter 1.60 ft (0.49 m) above land-surface datum.
PERIOD OF RECORD.--June 1976 to current year.
EXTREMES.--Current year: Highest water level, 2.22 ft (0.68 m) below land-surface datum June 30; lowest, 6.72 ft (2.05 m) below land-surface datum, Sept. 30.
Period of record: Highest water level, 2.22 ft (0.68 m) below land-surface datum June 30, 1976; lowest, 6.72 ft (2.05 m) below land-surface datum, Sept. 30, 1976.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	NR	NR	NR	NR	NR	NR	NR	NR	NR	3.41	4.71	6.08
10	NR	NR	NR	NR	NR	NR	NR	NR	4.19	3.89	5.05	6.19
15	NR	NR	NR	NR	NR	NR	NR	NR	4.41	4.30	5.22	6.33
20	NR	NR	NR	NR	NR	NR	NR	NR	4.54	4.68	5.44	6.43
25	NR	NR	NR	NR	NR	NR	NR	NR	3.00	4.91	5.67	6.55
EOM	NR	NR	NR	NR	NR	NR	NR	NR	2.22	4.26	5.90	6.71

WTR YEAR 1976 MAX 2.22 JUN 30, 1976 MIN 6.72 SEP 30, 1976

MARION COUNTY

395218086082701. Local number, MA 32.
LOCATION.--Lat 39°52'18", long 86°08'27", Hydrologic Unit 05120201, in Broad Ripple, City of Indianapolis.
Owner: Indianapolis Water Company.
AQUIFER.--Limestone of Devonian Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 10 in (0.25 m), depth 308 ft (94 m), cased to 60 ft (18 m), open end.
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 720 ft (219 m). Measuring point: Top of floor of shelter 3.15 ft (0.96 m) above land-surface datum.
PERIOD OF RECORD.--May 1958 to August 1971. January 1974 to current year.
EXTREMES.--Current year: Highest water level, 8.25 ft (2.51 m) below land-surface datum Mar. 6; lowest, 12.30 ft (3.75 m) below land-surface datum, Sept. 1.
Period of record: Highest water level, 5.85 ft (1.78 m) below land-surface datum Jun. 17, 1958; lowest, 15.15 ft (4.62 m) below land-surface datum, Oct. 5, 1965.
REMARKS.--Water level affected by earthquakes.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.41	10.23	9.91	9.71	9.70	8.65	NR	NR	11.15	10.80	10.97	11.30
10	10.36	10.13	10.00	9.80	9.45	8.90	NR	NR	11.55	11.25	11.00	10.83
15	10.37	10.06	9.69	9.62	8.85	9.50	NR	10.60	11.70	10.60	11.20	10.90
20	10.21	10.00	9.68	9.83	8.55	9.65	NR	10.08	11.65	11.10	11.10	10.65
25	10.27	10.25	9.82	9.60	8.95	9.70	NR	11.25	10.10	11.30	11.35	10.75
EOM	10.21	10.00	9.75	9.65	9.55	9.73	NR	10.65	10.45	11.30	11.30	10.45

WTR YEAR 1976 MAX 8.25 MAR 6, 1976 MIN 12.30 SEP 1, 1976

MARTIN COUNTY

383659086545901. Local number, MT 5.
LOCATION.--Lat 38°36'59", long 86°54'59", Hydrologic Unit 05120208, on private property 0.25 mi (0.4 km) southwest of Whitfield.
Owner: Joseph Arvin.
AQUIFER.--Sandstone of Pennsylvanian Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 143 ft (44 m), cased to 53 ft (16 m), open end.
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 565 ft (172 m). Measuring point: Top of floor of shelter 1.0 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--May 1958 to current year.
EXTREMES.--Current year: Highest water level, 26.10 ft (7.96 m) below land-surface datum Apr. 25; lowest, 28.45 ft (8.67 m) below land-surface datum, Oct. 30.
Period of record: Highest water level, 25.40 ft (7.74 m) below land-surface datum Apr. 18, 19, 1975; lowest, 34.10 ft (10.39 m) 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 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	28.00	28.15	27.95	NR	27.35	26.50	26.55	26.50	26.90	27.05	27.30	27.50
10	27.85	27.65	27.75	NR	26.75	26.50	26.60	26.60	26.90	27.15	27.40	27.65
15	27.75	27.95	27.70	NR	27.15	26.75	26.50	26.35	26.70	27.05	27.25	27.70
20	27.80	27.55	NR	NR	26.60	26.35	26.30	26.80	26.85	27.25	27.55	27.45
25	27.85	27.90	NR	26.75	27.00	26.60	26.10	26.60	26.80	27.25	27.60	27.50
EOM	28.10	27.60	NR	26.90	26.70	26.45	26.60	26.50	26.75	27.15	27.70	27.60

WTR YEAR 1976 MAX 26.10 APR 25, 1976 MIN 28.45 OCT 30, 1975

MONTGOMERY COUNTY

400247086482101. Local number, MY 7.
LOCATION.--Lat 40°02'47", long 86°48'21", Hydrologic Unit 05120110, on the county right of way at the intersection of State Highway 32 and County Road 525 East, about 4.5 mi (7.2 km) east of Crawfordsville.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and Gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 111 ft (34.0 m), cased to 107 ft (32.6 m), screened to 109 ft (33.2 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 801 ft (244 m). Measuring point: Top of floor of shelter 2.38 ft (0.73 m) above land-surface datum.
PERIOD OF RECORD.--July 1967 to current year.
EXTREMES.--Current year: Highest water level, 28.45 ft (8.67 m) below land-surface datum Mar. 10, 18; lowest, 30.53 ft (9.31 m) below land-surface datum, Sept. 30.
Period of record: Highest water level, 26.10 ft (7.96 m) below land-surface datum Apr. 13, 1974; lowest, 31.79 ft (9.69 m) below land-surface datum, Nov. 28, 1967.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	NR	NR	NR	NR	NR	28.75	NR	NR	NR	28.81	29.27	30.03
10	NR	NR	NR	NR	NR	28.45	NR	NR	NR	28.66	29.59	30.24
15	NR	NR	NR	NR	NR	28.50	NR	NR	NR	28.50	29.43	30.31
20	NR	NR	29.70	NR	NR	28.65	NR	NR	NR	28.78	29.63	30.26
25	NR	NR	29.80	NR	NR	28.60	NR	NR	NR	28.90	29.75	30.40
EOM	NR	NR	29.70	NR	NR	28.70	NR	NR	NR	29.01	29.91	30.52

WTR YEAR 1976 MAX 28.45 MAR 10, 18, 1976 MIN 30.53 SEP 30, 1976

NEWTON COUNTY

405105087173301. Local number, NE 6.
LOCATION.--Lat 40°51'05", long 87°17'33", Hydrologic Unit 07120002, on the right of way of County Road 1000 South, 1.0 mi (1.6 km) south of Foresman.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and Gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 80 ft (24 m), cased to 76 ft (23 m), screened to 78 ft (24 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 653 ft (199 m). Measuring point: Top of floor of shelter 2.15 ft (0.66 m) above land-surface datum.
PERIOD OF RECORD.--May 1967 to current year.
EXTREMES.--Current year: Highest water level, 9.15 ft (2.79 m) below land-surface datum Mar. 7; lowest, 14.36 ft (4.38 m) below land-surface datum, Nov. 23.
Period of record: Highest water level, 8.42 ft (2.57 m) below land-surface datum Apr. 24, 1973; lowest, 15.67 ft (4.78 m) below land-surface datum, Oct. 14, 1967.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.01	14.30	13.46	11.76	12.34	9.60	10.15	11.14	11.31	10.56	12.55	NR
10	14.11	14.16	13.14	11.78	12.24	9.20	10.60	10.74	11.59	11.00	12.64	NR
15	14.22	14.25	12.48	11.79	11.27	9.64	10.90	NR	11.54	11.57	NR	NR
20	14.21	14.18	11.65	11.97	9.92	10.06	11.23	NR	11.03	12.00	NR	14.23
25	14.31	14.31	11.66	12.00	9.35	10.51	11.26	NR	10.37	12.21	NR	NR
EOM	14.25	13.99	11.68	12.17	9.66	9.74	11.05	NR	10.10	12.30	NR	NR

WTR YEAR 1976 MAX 9.15 MAR 7, 1976 MIN 14.36 OCT 31 and NOV 23, 1975

NEWTON COUNTY

405959087282901. Local number, NE 7.
LOCATION.--Lat 40°59'59", long 87°28'29", Hydrologic Unit 07120002, in the Willow Slough Game Preserve, about 2.0 mi (3.2 km) southwest of Enos.
Owner: State of Indiana.
AQUIFER.--Limestone of Silurian Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 150 ft (46 m), cased to 136 ft (41.5 m), open end.
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 681 ft (208 m). Measuring point: Top of floor of shelter 2.03 ft (0.62 m) above land-surface datum.
PERIOD OF RECORD.--February 1976 to current year.
EXTREMES.--Current year: Highest water level, 34.77 ft (10.6 m) below land-surface datum May 2; lowest, 61.30 ft (18.68 m) below land-surface datum, Sept. 11.
Period of record: Highest water level, 34.77 ft (10.6 m) below land-surface datum May 2, 1976; lowest, 61.30 ft (18.68 m) below land-surface datum, Sept. 11, 1976.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	NR	NR	NR	NR	NR	35.39	35.08	36.87	36.72	36.53	55.24	60.91
10	NR	NR	NR	NR	NR	35.35	35.11	36.71	36.65	36.55	55.92	61.24
15	NR	NR	NR	NR	NR	35.35	35.04	36.63	36.53	37.45	57.07	60.31
20	NR	NR	NR	NR	NR	35.12	35.04	36.67	36.62	42.82	56.88	58.44
25	NR	NR	NR	NR	35.68	35.21	34.81	36.70	36.44	48.35	57.58	56.78
EOM	NR	NR	NR	NR	35.60	35.05	34.93	36.51	36.40	52.50	60.26	55.22

WTR YEAR 1976 MAX 34.77 MAY 12, 1976 MIN 61.30 SEP 11, 1976

NEWTON COUNTY

410428087231501. Local number, NE 8.
LOCATION.--Lat 41°04'28", long 87°23'15", Hydrologic Unit 07120001, in the Beaver Lake Prairie Chicken Refuge, 3.0 mi (4.8 km) north of Enos.
Owner: State of Indiana.
AQUIFER.--Limestone of Silurian Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 150 ft (45.7 m) cased to 97 ft (29.6 m), open end.
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 665 ft (203 m). Measuring point: Top of floor of shelter 2.83 ft (0.86 m) above land-surface datum.
PERIOD OF RECORD.--February 1976 to current year.
EXTREMES.--Current year: Highest water level, 4.04 ft (1.23 m) below land-surface datum May 31; lowest, 26.25 ft (8.00 m) below land-surface datum, Sept. 30.
Period of record: Highest water level, 4.04 ft (1.23 m) below land-surface datum May 31, 1976; lowest, 26.25 ft (8.00 m) below land-surface datum, Sept. 30, 1976.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	NR	NR	NR	NR	NR	5.20	4.81	4.38	4.21	4.77	20.93	NR
10	NR	NR	NR	NR	NR	5.18	4.73	4.23	4.07	4.58	18.84	NR
15	NR	NR	NR	NR	NR	5.17	4.65	4.13	4.39	7.30	18.75	23.37
20	NR	NR	NR	NR	NR	4.96	4.58	4.23	4.77	17.31	20.73	24.50
25	NR	NR	NR	NR	5.54	5.03	4.36	4.22	4.87	20.34	NR	25.23
EOM	NR	NR	NR	NR	5.44	4.84	4.44	4.04	4.90	19.13	NR	26.12

WTR YEAR 1976 MAX 4.04 MAY 31, 1976 MIN 26.25 SEP 30, 1976

NOBLE COUNTY

411922085221801. Local number, NO 8.
LOCATION.--Lat 41°19'22", long 85°22'18", Hydrologic Unit 04050001, near the east edge in Chain O' Lakes State Park, about 5.0 mi (8.0 km) south of Albion.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and Gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 190 ft (58 m), cased to 146 ft (44.5 m), screened to 148 ft (45.1 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 928 ft (283 m). Measuring point: Top of floor of shelter 2.65 ft (0.81 m) above land-surface datum.
PERIOD OF RECORD.--December 1966 to September 1971. August 1974 to current year.
EXTREMES.--Current year: Highest water level, 29.40 ft (8.96 m) below land-surface datum Apr. 25, May 2; lowest, 30.85 ft (9.40 m) below land-surface datum, during period Feb. 3-17.
Period of record: Highest water level, 29.14 ft (8.88 m) below land-surface datum July 7, 1975; lowest, 32.49 ft (9.90 m) below land-surface datum, Jan. 18, 1967.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.80	30.20	30.25	30.50	NR	29.90	29.75	29.55	30.00	30.05	30.10	30.35
10	29.90	29.85	30.10	30.30	NR	29.90	29.70	29.65	29.70	30.00	30.25	30.35
15	29.85	30.10	30.15	30.15	NR	30.00	29.60	29.60	29.70	30.00	30.25	30.45
20	29.90	29.85	30.05	30.25	30.40	29.55	29.55	29.70	29.95	30.10	30.35	30.25
25	30.00	30.15	30.10	30.20	30.25	29.80	29.40	29.75	29.75	30.20	30.30	30.50
EOM	30.05	30.00	30.15	30.10	30.05	29.75	29.60	29.62	29.75	30.10	30.30	30.45

WTR YEAR 1976 MAX 29.40 APR 25 and MAY 2, 1976 MIN 30.85 during FEB 2-17, 1976

OWEN COUNTY

391731086421401. Local number, OW 7.
LOCATION.--Lat 39°17'31", long 86°42'14", Hydrologic Unit 05120202, at the east edge of McCormicks Creek State Park about 3.0 mi (4.8 km) east of Spencer.
Owner: U.S. Geological Survey.
AQUIFER.--Limestone of Mississippian Age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 150 ft (46 m), cased to 15 ft (4.6 m), open end.
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 805 ft (245 m). Measuring point: Top of floor of shelter 2.38 ft (0.73 m) above land-surface datum.
PERIOD OF RECORD.--July 1967 to current year.
EXTREMES.--Current year: Highest water level, 110.25 ft (33.60 m) below land-surface datum Dec. 15; lowest, 116.10 ft (35.39 m) below land-surface datum, Sept. 30.
Period of record: Highest water level, 98.77 ft (30.11 m) below land-surface datum May 24, 1968; lowest, 121.25 ft (36.96 m) below land-surface datum, Jun. 6, 1973.
REMARKS.--Water level affected by White River.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	NR	115.95	115.75	115.45	115.65	112.35	115.55	115.70	115.85	115.90	116.00	116.05
10	NR	115.65	115.80	115.60	115.65	115.40	115.60	115.75	115.85	115.95	116.05	116.05
15	NR	115.85	110.25	115.05	115.65	115.50	115.65	115.70	115.90	115.95	115.95	116.05
20	115.90	115.85	115.60	115.60	115.25	113.20	115.70	115.75	115.95	115.95	116.00	NR
25	115.95	115.95	115.70	111.65	115.40	115.45	115.65	115.80	115.65	116.00	116.05	NR
EOM	115.85	111.95	112.60	115.55	115.55	115.40	115.70	115.80	115.65	116.00	116.05	NR

WTR YEAR 1976 MAX 110.25 DEC 15, 1975 MIN 116.10 SEP 30, 1976

POSEY COUNTY

380758087551001. Local number, PY 3.
LOCATION.--Lat 38°07'58", long 87°55'10", 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 (0.15 m), depth 58 ft (18 m), cased to 54 ft (16 m), screened to 56 ft (17 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 380 ft (116 m). Measuring point: Top of floor of shelter 3.00 ft (0.91 m) above land-surface datum.
PERIOD OF RECORD.--April 1967 to September 1971. September 1974 to current year.
EXTREMES.--Current year: Highest water level, 12.10 ft (3.69 m) below land-surface datum Mar. 12, 15; lowest, 19.15 ft (5.84 m) below land-surface datum, Sept. 30.
Period of record: Highest water level, 5.78 ft (1.76 m) below land-surface datum Apr. 25, 1975; lowest, 19.15 ft (5.84 m) below land-surface datum, Sept. 30, 1976.
REMARKS.--Water level affected by Wabash River floods.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.29	18.15	18.45	15.90	15.21	12.35	12.70	14.80	14.95	16.25	17.35	18.45
10	17.46	18.22	18.30	15.65	15.25	12.30	13.10	15.10	15.15	16.35	17.55	18.60
15	17.63	18.35	18.05	15.62	15.34	12.10	13.45	15.35	15.50	16.50	17.75	18.75
20	17.76	18.45	17.70	15.70	14.75	12.20	13.80	15.55	15.85	16.75	17.95	18.85
25	17.91	18.55	17.30	15.62	13.25	12.35	14.10	15.80	16.00	16.95	18.10	19.00
EOM	18.04	18.50	16.50	15.34	12.50	12.50	14.50	15.55	16.15	17.20	18.30	19.15

WTR YEAR 1976 MAX 12.10 MAR 12, 15, 1976 MIN 19.15 SEP 30, 1976

PULASKI COUNTY

405916086530701. Local number, PU 6.
LOCATION.--Lat 40°59'16", long 86°53'07", 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 (0.20 m), depth 663 ft (202 m), cased to 11 ft (3.4 m), open end.
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum 680 ft (207 m). Measuring point: Top of floor of shelter 3.00 ft (0.91 m) above land-surface datum.
PERIOD OF RECORD.--July 1956 to February 1971. January 1974 to current year.
EXTREMES.--Current year: Highest water level, 8.66 ft (2.64 m) below land-surface datum Dec. 20; lowest, 16.31 ft (4.97 m) below land-surface datum, Sept. 4.
Period of record: Highest water level, 4.03 ft (1.23 m) below land-surface datum June 15, 1958; lowest, 17.88 ft (5.45 m) below land-surface datum, Dec. 23, 1963.
REMARKS.--Water level affected by pumpage and earthquakes.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.51	14.16	11.80	9.37	10.87	NR	NR	9.03	10.37	9.71	11.83	14.42
10	13.40	13.97	11.01	9.38	10.42	NR	8.89	8.93	10.83	10.58	12.05	14.13
15	13.17	14.31	10.20	9.64	NR	NR	8.86	8.81	10.66	11.50	12.64	14.22
20	13.41	14.06	8.66	10.02	NR	NR	9.36	9.32	10.28	NR	13.02	14.27
25	13.73	14.49	8.86	10.09	NR	NR	9.13	9.81	9.68	11.30	13.54	13.94
EOM	13.70	13.80	9.12	10.37	NR	NR	8.81	9.51	9.14	11.54	13.82	14.04

WTR YEAR 1976 MAX 8.66 DEC 20, 1975 MIN 16.31 SEP 4, 1976

PULASKI COUNTY

410739086365201. Local number, PU 7.
LOCATION.--41°07'39", long 86°36'52", Hydrologic Unit 05120106, in the Winamac State Fish and Game area, about 0.8 mi (1.3 km) southwest of Beardstown.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and Gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 105 ft (32 m), cased to 98 ft (30 m), screened to 100 ft (30.5 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 715 ft (218 m). Measuring point: Top of floor of shelter 2.50 ft (0.76 m) above land-surface datum.
PERIOD OF RECORD.--August 1967 to September 1971. September 1974 to current year.
EXTREMES.--Current year: Highest water level, 5.85 ft (1.78 m) below land-surface datum Mar. 5, 6; lowest, 10.20 ft (3.11 m) below land-surface datum, Sept. 30.
Period of record: Highest water level, 5.27 ft (1.61 m) below land-surface datum Apr. 6, 1968; lowest, 10.92 ft (3.33 m) below land-surface datum, Oct. 30, Nov. 6, 1974.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.50	9.90	8.65	8.20	8.90	5.85	6.50	7.00	7.60	8.20	9.20	9.75
10	9.60	9.90	8.50	8.35	8.85	6.10	6.75	6.75	7.90	8.50	8.95	9.80
15	9.65	9.95	8.15	8.50	7.80	6.30	6.95	6.90	8.15	8.75	9.05	9.95
20	9.75	9.90	7.95	8.60	6.85	6.55	7.10	7.05	8.15	8.90	9.20	10.05
25	9.80	9.95	8.00	8.70	6.55	6.80	7.15	7.30	7.95	9.00	9.35	10.15
EOM	9.85	NR	8.15	8.75	6.75	6.20	7.15	7.45	7.95	9.10	9.60	10.20

WTR YEAR 1976 MAX 5.85 MAR 5, 6, 1976 MIN 10.20 SEP 30, 1976

PUTNAM COUNTY

393254086590401. Local number, PN 4.
LOCATION.--Lat 39°32'54", Long 86°59'04", Hydrologic Unit 05120203, in the well field of Brazil Water Works about 8.0 mi (12.9 km) east of Brazil.
Owner: Brazil Water Company.
AQUIFER.--Sand and Gravel Holocene Age.
WELL CHARACTERISTICS.--Drilled water-table well, diameter 12 in (0.3 m), depth 60 ft (18 m), cased to 20 ft (6.1 m), slotted to 60 ft (18 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 612 ft (186 m). Measuring point: Top of floor of shelter 1.80 ft (0.55 m) above land-surface datum.
PERIOD OF RECORD.--July 1957 to current year.
EXTREMES.--Current year: Highest water level, 11.90 ft (3.63 m) below land-surface datum Mar. 5; lowest, 18.60 ft (5.67 m) below land-surface datum, Sept. 29, 30.
Period of record: Highest water level, 0.20 ft (0.06 m) below land-surface datum Apr. 9, 1961; lowest, 18.60 ft (5.67 m) below land-surface datum, Sept. 29, 30, 1976.
REMARKS.--Water level affected by Big Walnut Creek floods, and by pumpage from municipal well field.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	NR	17.90	16.15	16.35	16.15	11.90	15.80	17.00	17.05	15.90	17.70	18.15
10	NR	17.80	16.65	16.10	15.15	14.20	16.20	17.10	17.50	16.75	17.45	18.00
15	17.95	17.80	16.90	15.90	14.40	14.80	16.40	17.20	17.65	17.35	17.55	18.05
20	17.95	17.90	16.10	16.35	13.00	15.25	16.60	17.30	17.70	17.50	17.90	17.90
25	17.90	17.90	16.70	16.50	13.80	15.15	16.65	17.50	17.60	17.75	18.20	18.15
EOM	17.90	17.30	16.75	15.70	14.75	15.35	16.80	17.50	16.10	17.50	18.25	18.40

WTR YEAR 1976 MAX 11.90 MAR 5, 1976 MIN 18.60 SEP 29, 30, 1976

RANDOLPH COUNTY

401532085085301. Local number, RA 3.
LOCATION.--Lat 40°15'32", long 85°08'53", Hydrologic Unit 05120103, at the east edge of Purdue University Agriculture Experiment Station, about 5.5 mi (8.9 km) north of Farmland.
Owner: U.S. Geological Survey.
AQUIFER.--Limestone of Silurian Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 54 ft (16 m), cased to 33 ft (10 m), open end.
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 970 ft (296 m). Measuring point: Top of floor of shelter 3.86 ft (1.18 m) above land-surface datum.
PERIOD OF RECORD.--October 1966 to current year.
EXTREMES.--Current year: Highest water level, 9.00 ft (2.74 m) below land-surface datum Mar. 1-5; lowest, 14.55 ft (4.43 m) below land-surface datum, Sept. 27, 28.
Period of record: Highest water level, 7.98 ft (2.43 m) below land-surface datum May 27, 1968; lowest, 14.55 ft (4.43 m) below land-surface datum, Sept. 27, 28, 1976.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.40	13.00	12.10	10.50	10.70	9.00	10.15	10.95	11.00	10.75	NR	NR
10	13.45	12.75	11.95	10.60	10.05	9.30	10.30	10.90	11.15	11.05	NR	NR
15	13.40	12.90	11.75	10.15	NR	9.65	10.55	11.00	11.45	11.40	NR	14.30
20	12.90	12.85	10.80	10.60	9.45	9.45	10.60	11.30	11.40	11.75	NR	14.20
25	12.85	12.90	11.05	10.30	9.40	9.40	10.55	11.40	10.85	NR	NR	14.50
EOM	12.85	12.55	10.55	10.20	9.60	9.80	10.80	11.30	10.40	NR	NR	14.45

WTR YEAR 1976 MAX 9.00 MAR 1-5, 1976 MIN 14.55 SEP 27, 28, 1976

SHELBY COUNTY

393943085490901. Local number, SH 2.
LOCATION.--Lat 39°39'43", long 85°49'09", Hydrologic Unit 05120204, on the county right of way at the intersection of County Roads 950 North and 200 West, 3.0 mi (4.8 km) south of Carrollton.
Owner: U.S. Geological Survey.
AQUIFER.--Limestone of Devonian Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 150 ft (46 m), cased to 128 ft (39 m), open end.
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 818 ft (249 m). Measuring point: Top of floor of shelter 3.00 ft (0.91 m) above land-surface datum.
PERIOD OF RECORD.--September 1966 to current year.
EXTREMES.--Current year: Highest water level, 17.50 ft (5.33 m) below land-surface datum Feb. 21; lowest, 21.85 ft (6.66 m) below land-surface datum Nov. 5.
Period of record: Highest water level, 15.90 ft (4.85 m) below land-surface datum May 27, 1968; lowest, 22.20 ft (6.77 m) below land-surface datum, Nov. 30, 1967.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.68	21.85	20.97	18.71	19.15	18.00	18.85	19.80	19.60	NR	20.40	20.85
10	21.71	21.66	20.86	19.10	18.95	17.90	19.05	19.95	NR	NR	20.20	20.95
15	21.75	21.52	20.30	18.64	18.60	18.20	19.20	20.00	NR	NR	20.10	21.10
20	21.64	21.45	19.55	18.95	17.70	18.30	19.35	20.20	NR	NR	20.40	21.15
25	21.69	21.63	19.81	18.95	17.70	18.15	19.40	20.25	NR	NR	20.55	21.30
EOM	21.69	21.37	18.97	18.70	18.10	18.55	19.65	19.60	NR	NR	20.80	21.30

WTR YEAR 1976 MAX 17.50 FEB 21, 1976 MIN 21.85 NOV 5, 1975 and AUG 31, 1976

STEUBEN COUNTY

414108085025401. Local number, SB 4.
LOCATION.--Lat 41°41'08", long 85°02'54", Hydrologic Unit 04050001, on the county right of way at intersection of County Roads 300 West and 300 North, about 4.5 mi (7.2 km) northwest of Angola.
Owner: State of Indiana.
AQUIFER.--Sand and Gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled water-table well, diameter 1.5 in (0.04 m), depth 68 ft (21 m), cased to 66 ft (20 m), screened to 68 ft (21 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 1,065 ft (325 m). Measuring point: Top of floor of shelter 2.60 ft. (0.79 m) above land-surface datum.
PERIOD OF RECORDS.--May 1976 to current year.
EXTREMES.--Current year: Highest water level, 60.30 ft (18.38 m) below land-surface datum May 19; lowest, 62.05 ft (18.91 m) below land-surface datum, Sept. 30.
Period of record: Highest water level, 60.30 ft (18.38 m) below land-surface datum May 19, 1976; lowest, 62.05 ft (18.91 m) below land-surface datum, Sept. 30, 1976.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	NR	NR	NR	NR	NR	NR	61.40	NR	61.34	61.32	61.59	61.85
10	NR	NR	NR	NR	NR	61.79	NR	NR	61.42	61.33	61.59	61.84
15	NR	NR	NR	61.76	NR	NR	NR	NR	61.53	61.34	61.58	61.87
20	NR	NR	NR	NR	NR	NR	NR	NR	61.60	61.35	61.68	61.95
25	NR	NR	NR	NR	NR	NR	NR	61.08	61.29	61.36	61.74	62.03
EOM	NR	NR	NR	62.11	NR	NR	NR	61.25	61.31	61.57	61.85	62.03

WTR YEAR 1976 MAX 60.30 MAY 19, 1976 MIN 62.05 SEP 30, 1976

TIPPECANOE COUNTY

402543086533401. Local number, TC 4.
LOCATION.--Lat 40°25'43", long 86°53'34", Hydrologic Unit 05120108, on flood plain of Wabash River, in the Lafayette Water Department well field at North Canal and Tippecanoe Streets in Lafayette.
Owner: Lafayette Water Department.
AQUIFER.--Sand and Gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled water-table well, diameter 12 in (0.30 m), depth 97 ft (30 m).
Instrumentation: Water-stage recorder.
DATUM.--Elevation of land-surface datum is 520.9 ft (158.8 m). Measuring point: Top of floor of shelter 15.43 ft (4.70 m) above land-surface datum.
PERIOD OF RECORD.--April 1944 to current year.
EXTREMES.--Current year: Highest water level, 6.6 ft (2.0 m) below land-surface datum Feb. 25; lowest, 27.0 ft (8.2 m) below land-surface datum, May 27.
Period of record: Highest water level, 8.2 ft (2.5 m) above land-surface datum Jan. 6, 7, 1950; lowest, 40.14 ft (12.23 m) below land-surface datum, Aug. 4, 1944.
REMARKS.--Water level affected by Wabash River floods and by pumpage from municipal supply well field.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	NR	19.0	14.0	15.4	16.6	8.6	15.5	20.3	20.1	18.6	NR	NR
10	20.3	19.0	15.6	16.3	21.0	11.0	15.4	19.7	24.0	22.0	NR	22.1
15	NR	16.7	16.7	NR	12.2	8.2	18.0	20.2	20.4	21.1	NR	19.7
20	NR	19.1	16.1	21.0	7.6	11.4	16.4	19.8	19.8	21.9	20.1	20.8
25	17.4	17.6	15.2	17.5	6.6	12.2	NR	21.6	18.5	NR	20.5	18.9
EOM	17.7	18.6	15.4	17.7	9.4	11.8	16.8	18.2	16.4	NR	21.0	20.0

WTR YEAR 1976 MAX 6.6 FEB 25, 1976 MIN 27.0 MAY 27, 1976

TIPPECANOE COUNTY

402603086535101. Local number, TC 8.
LOCATION.--Lat 40°26'03", long 86°53'51", Hydrologic Unit 05120108, on the right bank of the Wabash River in West Lafayette.
Owner: West Lafayette Water Company.
AQUIFER.--Sand and Gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled water-table well, diameter 12 in (0.30 m), depth 84 ft (26 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 528.6 ft (161 m). Measuring point: Top of floor of shelter 13.54 ft (4.13 m) above land-surface datum.
PERIOD OF RECORD.--November 1945 to December 1949. February 1967 to current year.
EXTREMES.--Current year: Highest water level, 10.9 ft (3.32 m) below land-surface datum Feb. 19; lowest, 26.2 ft (7.99 m) below land-surface datum, Sept. 7-9.
Period of record: Highest water level, 3.06 ft (0.93 m) below land-surface datum Feb. 3, 1949; lowest, 39.9 ft (12.16 m) below land-surface datum, Sept. 16, 1967.
REMARKS.--Water level affected by Wabash River floods and by pumpage from municipal supply wells.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	NR	21.9	19.2	19.3	NR	13.2	17.3	20.2	21.3	19.9	NR	NR
10	21.4	21.8	20.1	NR	20.5	13.2	18.0	20.2	23.1	21.0	NR	24.0
15	21.6	21.6	19.8	20.4	14.0	14.2	18.9	NR	21.5	NR	22.2	23.5
20	21.7	21.9	17.0	19.8	11.3	15.0	19.6	20.6	NR	NR	23.0	22.9
25	21.6	22.0	17.8	NR	11.2	15.5	19.6	NR	NR	NR	NR	23.1
EOM	21.7	20.3	19.6	19.5	13.2	16.4	19.6	NR	19.4	NR	NR	23.3

WTR YEAR 1976 MAX 10.9 FEB 19, 1976 MIN 26.2 SEP 7-9, 1976

VANDERBURGH COUNTY

380608087395901. Local number, VA 6.
LOCATION.--Lat 38°06'08", long 87°39'59", Hydrologic Unit 05120113, on county right of way at the intersection of Buente and New Harmony Roads, 1.0 mi (1.6 km) southwest of Armstrong.
Owner: U.S. Geological Survey.
AQUIFER.--Limestone of Pennsylvanian Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 125 ft (38 m), cased to 80 ft (24 m), open end.
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 447 ft (136 m). Measuring point: Top of floor of shelter 3.47 ft (1.06 m) above land-surface datum.
PERIOD OF RECORD.--May 1965 to current year.
EXTREMES.--Current year: Highest water level, 30.00 ft (9.14 m) below land-surface datum Mar. 20; lowest, 32.05 ft (9.77 m) below land-surface datum, Aug. 28-30.
Period of record: Highest water level, 24.88 ft (7.58 m) below land-surface datum Apr. 3, 4, 1968; lowest, 32.05 ft (9.77 m) below land-surface datum, Aug. 28-30, 1976.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	NR	NR	NR	31.00	30.40	30.38	30.40	30.60	NR	30.55	31.40	31.90
10	NR	NR	31.20	30.80	30.42	30.38	30.50	30.40	30.70	30.75	31.40	NR
15	NR	NR	31.05	30.55	30.40	30.38	NR	NR	30.80	31.00	31.60	NR
20	NR	NR	31.00	30.70	30.38	30.00	NR	NR	30.80	31.25	31.75	NR
25	NR	NR	30.95	30.40	30.38	30.20	30.30	NR	30.60	31.40	31.90	NR
EOM	NR	NR	30.45	30.45	30.38	30.20	30.35	NR	30.50	31.50	31.85	NR

WTR YEAR 1976 MAX 30.00 MAR 20, 1976 MIN 32.05 AUG 28-30, 1976

VIGO COUNTY

393201087232101. Local number, VI 6.
LOCATION.--Lat 39°32'01", long 87°23'21", Hydrologic Unit 05120111, on property of the American Brass Co., at the north edge of Terre Haute.
Owner: American Brass Company.
AQUIFER.--Sand and Gravel of Quaternary Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 138 ft (42 m), cased to 137 ft (41.7 m), with perforated pipe.
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 511 ft (156 m). Measuring point: Top of floor of shelter 3.47 ft (1.06 m) above land-surface datum.
PERIOD OF RECORD.--April 1956 to current year.
EXTREMES.--Current year: Highest water level, 45.95 ft (14.01 m) below land-surface datum Mar. 25-Apr. 11; lowest, 50.15 ft (15.29 m) below land-surface datum, Sept. 30.
Period of record: Highest water level, 42.43 ft (12.93 m) below land-surface datum June 28, 1958; lowest, 52.25 ft (15.93 m) below land-surface datum, Nov. 15-25, 1966.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	48.10	48.65	49.00	NR	48.70	47.15	45.95	47.00	48.05	48.90	49.10	49.70
10	48.15	48.70	49.00	NR	48.65	46.60	45.95	47.25	48.20	48.90	49.15	49.80
15	48.25	48.85	49.00	NR	48.65	46.25	46.05	47.40	48.40	48.90	49.25	49.90
20	48.40	48.95	NR	48.75	48.60	46.05	46.20	47.60	48.50	48.90	49.35	49.95
25	48.55	49.00	NR	48.75	48.20	45.95	46.40	47.75	48.65	48.95	49.40	50.05
EOM	48.55	49.00	NR	48.70	47.65	45.95	46.75	47.95	48.80	49.05	49.55	50.15

WTR YEAR 1976 MAX 45.95 MAR 25-APR 11, 1976 MIN 50.15 SEP 30, 1976

VIGO COUNTY

392820087242601. Local number, VI 7.
LOCATION.--Lat 39°28'20", long 87°24'26", Hydrologic Unit 05120111, on the campus of Indiana State University, in Terre Haute.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and Gravel of Holocene Age.
WELL CHARACTERISTICS.--Drilled water-table well, diameter 6 in (0.15 m), depth 70 ft (21 m), cased to 67 ft (20.4 m), screened to 70 ft (21 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 502 ft (153 m). Measuring point: Top of floor of shelter 3.00 ft (0.91 m) above land-surface datum.
PERIOD OF RECORD.--January 1970 to current year.
EXTREMES.--Current year: Highest water level, 43.95 ft (13.40 m) below land-surface datum Mar. 31; lowest, 48.65 ft (14.83 m) below land-surface datum, Sept. 30.
Period of record: Highest water level, 41.80 ft (12.74 m) below land-surface datum June 7, 1974; lowest, 51.90 ft (15.82 m) below land-surface datum, Sept. 29 to Oct. 1, 1972.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	45.15	45.70	45.95	45.95	46.30	44.55	44.05	45.40	46.45	46.85	47.35	48.15
10	45.25	45.85	46.00	46.00	46.35	44.20	44.20	45.55	46.55	46.75	47.45	48.25
15	45.35	45.85	46.10	45.95	46.35	43.90	44.35	45.75	46.75	46.85	47.55	48.35
20	45.45	45.90	46.15	46.10	46.15	43.90	44.65	45.95	46.90	46.95	47.65	48.45
25	45.50	45.95	45.95	46.20	45.45	43.90	44.95	46.15	46.95	47.05	47.85	48.55
EOM	45.60	45.95	45.85	46.25	44.95	43.95	45.25	46.35	47.00	47.25	48.05	48.65

WTR YEAR 1976 MAX 43.95 MAR 31, 1976 MIN 48.65 SEP 30, 1976

WAYNE COUNTY

394426085080601. Local number, WE 6.
LOCATION.--Lat 39°44'26", long 85°08'06", Hydrologic Unit 05080003, on county right of way near the intersection of State Highway 1 and Bentonville Road, about 4.0 mi (6.4 km) 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 (0.15 m), depth 49 ft (15 m), cased to 47 ft (14 m), screened to 49 ft (15 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 888 ft (271 m). Measuring point: Top of collar in shelter 3.25 ft (0.99 m) above land-surface datum.
PERIOD OF RECORD.--September 1966 to current year.
EXTREMES.--Current year: Highest water level, 14.05 ft (4.28 m) below land-surface datum Feb. 9-18; lowest, 19.75 ft (6.02 m) below land-surface datum, Sept. 30.
Period of record: Highest water level, 10.55 ft (3.22 m) below land-surface datum Apr. 30 to May 2, 1975; lowest, 20.74 ft (6.32 m) below land-surface datum, Nov. 7, 8, 1966.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.60	17.90	18.30	17.05	14.15	14.50	15.15	16.05	16.95	17.30	18.10	19.00
10	17.72	17.95	18.30	16.80	14.05	14.55	15.30	16.20	17.00	17.30	18.25	19.15
15	17.83	18.05	18.25	16.60	14.05	14.65	15.40	16.35	17.10	17.40	18.40	19.30
20	17.90	18.15	17.80	16.50	14.10	14.80	15.60	16.50	17.30	17.55	18.50	19.45
25	17.85	18.20	17.60	16.40	14.35	14.90	15.75	16.65	17.45	17.70	18.65	19.60
EOM	17.85	18.30	17.35	15.50	14.45	15.00	15.90	16.85	17.35	17.90	18.85	19.75

WTR YEAR 1976 MAX 14.05 FEB 9-18, 1976 MIN 19.75 SEP 30, 1976

WHITLEY COUNTY

410337085264201. Local number, WY 3.
LOCATION.--Lat 41°03'37", long 85°26'42", Hydrologic Unit 05120104, on the county right of way of Evergreen Road, 0.75 mi (1.2 km) north of Laud.
Owner: U.S. Geological Survey.
AQUIFER.--Sand and Gravel of Pleistocene Age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in (0.15 m), depth 191 ft (58 m), cased to 187 ft (57 m), screened to 191 ft (58 m).
Instrumentation: Water-stage recorder.
DATUM.--Altitude of land-surface datum is 870 ft (265 m). Measuring point: Top of floor of shelter 2.68 ft (0.82 m) above land-surface datum.
PERIOD OF RECORD.--December 1966 to September 1971. August 1974 to current year.
EXTREMES.--Current year: Highest water level, 49.30 ft (15.03 m) below land-surface datum Mar. 27; lowest, 51.25 ft (15.62 m) below land-surface datum, Sept. 24.
Period of record: Highest water level, 49.30 ft (15.03 m) below land-surface datum Mar. 27, 1976; lowest, 52.59 ft (16.03 m) below land-surface datum, Jan. 18, 1967.

HIGHEST WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	50.10	50.40	50.43	50.35	50.35	49.65	49.59	49.75	50.25	50.40	50.60	51.00
10	50.10	50.10	50.35	50.70	50.05	49.60	49.65	49.80	50.15	50.35	50.65	50.95
15	50.10	50.30	50.25	50.05	50.25	49.60	49.65	49.80	50.20	50.40	50.65	51.05
20	50.10	50.15	50.15	50.25	50.20	49.35	49.70	49.90	50.30	50.55	50.85	50.85
25	50.20	50.40	50.10	50.00	50.00	49.55	49.50	49.95	50.15	50.55	50.85	51.00
EOM	50.30	50.25	50.05	50.10	49.80	49.50	49.75	49.90	50.15	50.45	50.90	50.95

WTR YEAR 1976 MAX 49.30 MAR 27, 1976 MIN 51.15 SEP 24, 1976

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FACTORS FOR CONVERTING ENGLISH UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the English units published herein to the International System of Units (SI). Subsequent reports will contain both the English and SI unit equivalents in the station manuscript descriptions until such time that all data will be published in SI units.

Multiply English units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	*hectares (ha)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	**liters (l)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons (10^6 gal)	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days [$(ft^3/s) \cdot d$]	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (l/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (l/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day (mgal/d)	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	tonnes (t)

*The unit hectare is approved for use with the International System (SI) for a limited time. See NBS Special Bulletin 330, p.15, 1972 edition.

**The unit liter is accepted for use with the International System (SI). See NBS Special Bulletin 330, p. 13, 1972 edition.