Low-Flow Characteristics of Indiana Streams

U.S. Geological Survey Water-Resources Investigations Report 96-4128

CORRECTIONS

Note the following corrections to information listed in this report.

Page	Station	Revision		
144	03353660	Average discharge changed	*from* 1,053 ft^3/s	*to* 1,253 ft^3/s
271	03347595	Location changed	*from* R.9.	*to* R.9E.
272	03351900	Location changed	*from* 1 mile southeast of Oaklandon	*to* 1 mile southwest of Oaklandon
272	03353665	Location changed	*from* State Highway 27	*to* State Highway 37
273	03357010	Location changed	*from* T.9N., R.4W.	*to* T.10N., R.3W.
274	03357100	Location changed	*from* R.4E., Owens County	*to* R.4W., Owen County
274	03357180	Location changed	*from* Lat 39 °17′18″, Long 86° 53′30″	*to* Lat 39 °12′45″, Long 86° 53′48″
274	033572692	Drainage area changed	*from* 21.5 mi^2	*to* 9.05 mi^2
		Location changed	*from* on West 138th Street off State Highway 39	*to* on State Highway 39
275	03357364	Location changed	*from* Lat 39° 44′17″, Long 86° 49′02, in NW1/4 Sec 14 . . . 1.8 miles southeast of Bainbridge	*to* Lat 39° 44′28″, Long 86° 49′15, in SW1/4 NE1/4 Sec 14 . . . 1.5 miles southeast of Bainbridge
276	0335746550	Location changed	*from* NE1/4 SE1/4 Sec 34	*to* NE1/4 SW1/4 Sec 34
276	03359980	Location changed	*from* NW1/4 SE1/4 Sec 11., T.11N., R.4W.	*to* SE1/4 SE1/4 Sec 11, T.11N., R.5W.
276	03360115	Drainage area changed	*from* 47.0 mi^2	*to* 38.8 mi^2
		Location changed	*from* Lat 39° 10′48″. . . 1.5 miles upstream from confluence with Beech Creek	*to* Lat 39° 11′02″. . . 0.25 mile upstream from confluence with Beech Creek
277	03360120	Location changed	*from* 7.5 miles northeast of Jasonville	*to* 0.63 mile northeast of Jasonville

LOW-FLOW CHARACTERISTICS OF INDIANA STREAMS

U.S. GEOLOGICAL SURVEY
Water-Resources Investigations Report 96-4128

Prepared in cooperation with the

INDIANA DEPARTMENT OF NATURAL RESOURCES, DIVISION OF WATER

Low-Flow Characteristics of Indiana Streams

By KATHLEEN K. FOWLER and JOHN T. WILSON

Prepared in cooperation with the
INDIANA DEPARTMENT OF NATURAL RESOURCES, DIVISION OF WATER

U.S. GEOLOGICAL SURVEY
Water-Resources Investigations Report 96-4128

Indianapolis, Indiana
1996

U.S. DEPARTMENT OF THE INTERIOR
BRUCE BABBITT, Secretary

U.S. GEOLOGICAL SURVEY
Gordon P. Eaton, Director

For additional information, write to:
District Chief
U.S. Geological Survey
Water Resources Division
5957 Lakeside Boulevard
Indianapolis, IN 46278-1996

Copies of this report can be purchased from:
U.S. Geological Survey
Branch of Information Services
Box 25286
Federal Center
Denver, CO 80225

CONTENTS

Abstract 1
Introduction 1
Purpose and Scope 2
Acknowledgments 2
Physical Setting 3
Physiography and Geology 3
Northern Zone 3
Central Zone 4
Southern Zone 4
Climate 7
Low-Flow Characteristics 7
Frequency Analysis 7
Continuous-Record Stations 9
Partial-Record Stations 15
Flow-Duration Analysis 16
Summary 20
References Cited 22
Appendix 1 291
Appendix 2 299

FIGURES

1. Physiography of Indiana with base runoff for the 7-day low flows at the 10-year recurrence interval at continuous-record stations 5
2. Average annual precipitation and temperature in Indiana, by climatic division, for the period 1961–90. . 8
3. Part of a hypothetical annual hydrograph showing periods for which the daily discharges are averaged to give the 7-day and 14-day low flows for that year or season 9
4. Continuous-record streamflow-gaging stations in Indiana 11
5. Continuous-record streamflow-gaging stations in Marion County, Indiana 13
6. Low-flow-frequency curve for Blue River near White Cloud, Indiana 14
7. Low-flow, partial-record stations in Indiana 17
8. Graphical method of estimating low-flow characteristics at a partial-record station from known characteristics at a continuous-record station 19
9. Flow-duration curves for a stream in southern Indiana (Back Creek) and a stream in northern Indiana (Pine Creek) 21

TABLES

1. Low-flow characteristics for continuous-record stations in Indiana 23
2. Low-flow characteristics for partial-record stations in Indiana 253

CONVERSION FACTORS

Multiply	By	To Obtain
inch (in.)	25.4	millimeter
foot (ft)	0.3048	meter
mile (mi)	1.609	kilometer
square mile (mi^2)	2.590	square kilometer
cubic foot (ft^3)	0.02832	cubic meter
foot per second (ft/s)	0.3048	meter per second
cubic foot per second (ft^3/s)	0.02832	cubic meter per second
foot per mile (ft/mi)	0.1894	meter per kilometer

Degrees Fahrenheit (°F) can be converted to degrees Celsius (°C) by use of the following formula:

$$°C=5/9(°F–32)$$

Low-Flow Characteristics of Indiana Streams

By Kathleen K. Fowler *and* John T. Wilson

ABSTRACT

The knowledge of low-flow characteristics of streams is essential for the management of water resources. Low-flow characteristics are presented for 229 continuous-record, streamflow-gaging stations and 285 partial-record stations in Indiana. Low-flow-frequency characteristics were computed for 210 continuous-record stations that had at least 10 years of record, and flow-duration curves were computed for all continuous-record stations. The low-flow-frequency and flow-duration analyses are based on available streamflow records through September 1993.

Selected low-flow-frequency curves were computed for annual low flows and seasonal low flows. The four seasons are represented by the 3-month groups of March–May, June–August, September–November, and December–February.

The 7-day, 10-year and the 7-day, 2 year low flows were estimated for 285 partial-record stations, which are ungaged sites where streamflow measurements were made at base flow. The same low-flow characteristics were estimated for 19 continuous-record stations where less than 10 years of record were available.

Precipitation and geology directly influence the streams in Indiana. Streams in the northern, glaciated part of the State tend to have higher sustained base flows than those in the nonglaciated southern part.

The flow at several of the continuous-record gaging stations is affected by some form of regulation or diversion. Low-flow characteristics for continuous-record stations at which flow is affected by regulation are determined using only the period of record affected by regulation; natural flows prior to regulation are not used.

INTRODUCTION

The management and availability of Indiana's water resources increase in importance every year. Knowledge of low-flow characteristics of streams, in particular, is critical for evaluation of the minimum streamflow required to maintain municipal, industrial, and irrigation supplies and conditions favorable for aquatic life. The U.S. Geological Survey (USGS), in cooperation with State and Federal agencies, has collected daily streamflow data in Indiana since 1928 (Stewart and others, 1986, p. 3). This continually growing data base is important in all aspects of water-resources investigations.

Presented in this report are the low-flow characteristics for 229 continuous-record stations and 285 partial-record stations in Indiana. These characteristics are based on available data through September 1993. Previous low-flow investigations of Indiana streams by the USGS include those by Hoggatt (1962), Rohne (1972), and Stewart (1983). This report is similar to and is an update of these earlier reports. Arihood and Glatfelter (1986) presented a method for estimating 7-day low flows at the 10- and 2-year recurrence intervals ($7Q_{10}$ and $7Q_2$) for ungaged streams in central and northern Indiana, using equations that require the contributing drainage area and a flow-

duration ratio for the area of interest. The Arihood-Glatfelter equations were developed on the basis of the flow characteristics published in Stewart (1983). Arvin (1989) presented statistical summaries for streamflow data in Indiana that included flow-duration tables and annual low flows for selected consecutive days.

The analysis of low-flow characteristics of Indiana streams described and presented in this report was undertaken by the USGS in cooperation with the Indiana Department of Natural Resources (IDNR), Division of Water.

Purpose and Scope

The purpose of this report is to present updated low-flow characteristics on Indiana streams. This information is needed for management decisions by State and local officials concerned with water supplies, pollution management, and fish and wildlife preservation. Low-flow characteristics for continuous-record sites and methods for estimating low-flow characteristics at partial-record sites are presented. The information includes low-flow-frequency analysis and flow-duration analysis for the continuous-record sites and low-flow-frequency analysis for the partial-record sites.

Low-flow characteristics were determined for 210 continuous-record stations with at least 10 years of record. Continuous-record stations are streamflow-gaging stations for which daily streamflow is computed and stored. Most of these stations currently are active; some have been discontinued. Natural flow conditions, based on the entire period of record, are represented for most sites. The analyses for stations at which flows are affected by regulation use only the period of record affected by regulation. The natural flow conditions prior to regulation are not included in the frequency and flow-duration analyses. For this report, as in Arvin (1989), streamflow is considered regulated if more than 10 percent of the contributing drainage area is subject to significant control of discharge (such as the control of outflow from reservoirs). Activities such as occasional water withdrawals, mining operations, or discharges into a stream also can affect flow but are not considered significant. Continuous-record stations with less than 10 years of record were treated as partial-record stations for frequency analysis. The average daily discharge and points for the flow-duration curve are provided for all of the continuous-record stations, regardless of the period of record.

Frequency analysis for each of the continuous-record stations was done by fitting a log-Pearson type III curve to observed annual minimum data and making a graphical adjustment to the fitted curve where the plotted data points and curve did not agree closely (Riggs, 1972). Calculations were based on the climatic year (April 1 through March 31) and on four seasons represented by the 3-month periods of March–May, June–August, September–November, and December–February.

Daily flow-duration information includes the percentage of days a particular discharge was equaled or exceeded. Duration tables for each continuous-record station were computed with the daily mean discharges for the entire period of record of complete water years.

Estimates of low-flow characteristics at partial-record stations and continuous-record stations with less than 10 years of record were limited to the $7Q_2$ and the $7Q_{10}$. Partial-record stations are ungaged sites where discharge measurements are made at base flow.

The terms “flow,” “streamflow,” and “discharge” are synonymous and are used interchangeably in this report. All three terms refer to the volume of water that passes a given point within a given period of time; all have units of cubic feet per second (ft^3/s).

Acknowledgments

The authors wish to acknowledge the significant contributions of several individuals from the USGS. Timothy Willoughby wrote and refined the software to read the data used in this report into individual files. Gary Bennett and

Jerry Davis used innovative methods to locate and load into the data base thousands of historical discharge measurements for the partial-record sites. Donald Arvin, relying on his knowledge of the statewide network of gaging stations, selected the index stations necessary to estimate the low-flow characteristics for the partial-record stations. The authors also acknowledge Richard Swisshelm, Jr., and Gary Tasker for insightful comments and helpful suggestions provided in their reviews.

PHYSICAL SETTING

Physiography, geology, and climate are the three aspects of the physical setting that most influence the low-flow characteristics of Indiana streams.

Physiography and Geology

Indiana can be divided into three broad physiographic zones (fig. 1) (Wayne, 1956; Schneider, 1966). The three zones—northern, central, and southern—are based on similarities in topography and geology. The northern zone is mostly glacial in origin and generally has more relief than the central zone. The central zone is a depositional plain of low relief underlain by thick glacial till that has been modified by post-glacial stream erosion. Landforms in the southern zone are formed from degradational processes, such as weathering and stream erosion. Much of the following discussion of the three physiographic zones is based on work by Schneider (1966). The reader is referred to Gray (1989) for the areal distribution, extent, and description of the many glacial deposits within Indiana.

The following discussion of physiography includes some generalizations of how low-flow conditions vary with the different physiographic zones. Values of discharge per unit area for low-flow conditions at the continuous-record stations with at least 10 years of record are shown in figure 1. The values were computed by dividing the $7Q_{10}$ by drainage area to give unit discharge in cubic feet per second per square mile.

Northern Zone

The northern zone, or the Northern Moraine and Lake Region, consists of the Calumet Lacustrine Plain, the Valparaiso Morainal Area, the Kankakee Outwash and Lacustrine Plain, the Steuben Morainal Lake Area, and the Maumee Lacustrine Plain (fig. 1). The Calumet Lacustrine Plain consists of a step-like progression of ancient beaches representing successive stages of glacial Lake Chicago. These beaches range from 590 to 640 ft in altitude, the highest being approximately 60 ft above the present level of Lake Michigan. Industrialization of the area makes it difficult to determine natural low-flow characteristics.

The topography of the Valparaiso Morainal Area ranges from rolling hills to an undulating plain and is about 150 ft higher than the Calumet Lacustrine Plain. Ice-block depressions containing lakes or peat are common in the entire morainal area but are more common in the knob-and-kettle topography of the northeast-southwest-trending part of the area. Streamflow data are sparse in this area, but there are a few gaged streams that flow into the Calumet Lacustrine Plain. The streams (Galena River, Trail Creek, Little Calumet, and Salt Creek) that flow through the Valparaiso Morainal Area have some of the highest sustained low flows relative to drainage area in the State.

The Kankakee Outwash and Lacustrine Plain is a low and poorly drained area underlain mostly by sand from valley train and outwash deposits. These features give the area a high sustained flow. The Kankakee River and its tributaries make up the largest drainage system in the plain, and they are characterized by high sustained flow. The tributaries that drain from the Valparaiso Morainal Area to the west tend to have higher sustained flows than those that flow from the east. The Iroquois River and its tributaries drain the southwestern area of the plain which is predominantly till (Gray, 1989); the presence of till may explain why the sustained

flows for the Iroquois River and tributaries are not as high as those for the Kankakee River that flows through outwash sand and gravel deposits.

The Steuben Morainal Lake Area has a complex topography resulting from an abundance of glacial features (moraines and morainal lakes, kames, eskers, melt-water channels, and ice-block depression lakes). The diverse valleys may be dry; they may have internal drainage; or they may contain streams, lakes, clay beds, and swamps. Base flows, in general, are high in this area but may be low in some locations. Sustained base flow in the area is probably as diverse as the geology. Streams that flow through areas with outwash sand and gravel deposits tend to have higher sustained flows.

The Maumee Lacustrine Plain is a nearly level plain formed by glacial Lake Maumee. Low-flow characteristics of this small area are controlled by a combination of features of the central zone and the Steuben Morainal Lake Area of the northern zone.

Central Zone

The central zone consists of one major physiographic region, the nearly flat to rolling Tipton Till Plain. This plain is broken by only a few eskers (winding ridges of gravel and sand) and erosional valleys formed by melt water. The zone also contains several poorly developed end moraines of low relief. Because the surficial geology is nearly uniform, variability in base flow is attributed to the distribution of aquifer material in the zone. Year-round flow is sustained in moderate-sized drainage areas but not in smaller basins. The sustained flows in the central zone are generally much lower than those in the western part of the northern zone; however, some streams flow through localized deposits that differ from the surrounding till plain, resulting in higher sustained flows.

Southern Zone

Physiography of the southern zone, the most diverse of the three zones, consists of seven units: the Dearborn Upland, the Muscatatuck Regional Slope, the Scottsburg Lowland, the Norman Upland, the Mitchell Plain, the Crawford Upland, and the Wabash Lowland. Many streams with drainage areas as large as 250 mi^2 do not support year-round flow (Arihood and Glatfelter, 1986) in the southern zone. Smaller streams in outwash aquifers, at springs, and in karst areas, however, commonly have continuous flow.

The Dearborn Upland is a dissected plateau underlain by flat-lying limestones and shales of late Ordovician age. The limestones and shales are overlain by glacial drift that varies in thickness from about 15 ft in the south near the Ohio River to about 50 ft near the Wisconsinan glacial boundary (see Schneider, 1966, p. 41 or Gray, 1983). This unit is dissected by deeply entrenched streams that flow to the south and east, forming rugged V-shaped valleys.

The Muscatatuck Regional Slope is a gently sloping plain controlled by the westward-dipping Silurian and Devonian carbonate rocks that underlie the area. The carbonate rock is overlain by glacial drift with an average thickness of about 20 ft; however, the drift may be only 5 ft thick over preglacial upland areas or it may be more than 150 ft thick over buried valleys at the northern edge of the unit. The drainage system is dominated by streams that flow in a south-southwest direction, with valleys that are commonly steep-sided and moderately deep.

The Scottsburg Lowland is a belt of low relief controlled by the structure of the underlying bedrock. The lowland belt was formed by the erosion of nonresistant shales of late Devonian and early Mississippian age. The surficial expression of the northern end of the lowland is masked by glacial drift that may be up to 150 ft thick.

The Norman Upland is characterized by great local relief consisting of steep slopes, narrow divides, and deep V-shaped valleys with a well-developed dendritic drainage pattern. The area is underlain by resistant siltstones and interbedded softer shales of early to middle Mississippian age and, in places, limestones of middle Mississippian age. The Norman Upland is devoid of glacial drift, except along its eastern and northern margins (Gray, 1989).

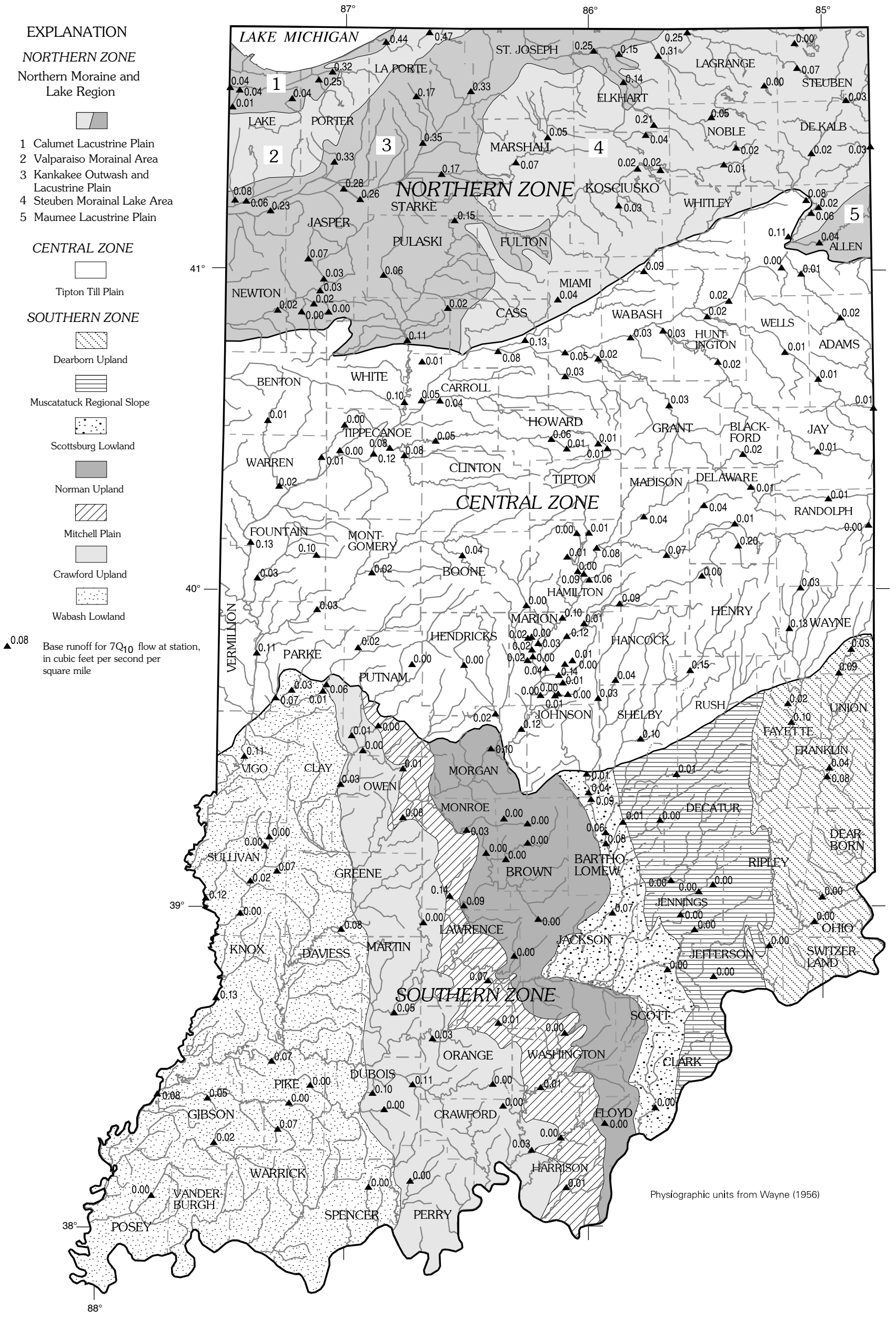


Figure 1. Physiography of Indiana with base runoff for the 7-day low flows at the 10-year recurrence interval ($7Q_{10}$) at continuous-record stations.

The Mitchell Plain is characterized by karst topography, the result of solution weathering of middle Mississippian limestones; numerous solution features and sinkholes are evident. Runoff is rapid, but the drainage areas are difficult to determine because much of the runoff flows into sinkholes and becomes part of the underground drainage system. Along some streams, flow may leave the channel and return to the stream at a downstream location. In extreme cases, flow may be diverted to completely different streams or springs.

The Crawford Upland is a deeply dissected upland with a diversity of topographic features. This diversity is caused by the differential erosion of the underlying sandstones, shales, and limestones of upper Mississippian and lower Pennsylvanian age. The Crawford Upland is a westward-sloping plateau with a well-developed drainage system characterized by narrow, flat-topped drainage divides with steep valley walls. The eastern part contains numerous springs and caverns that formed in the soluble Mississippian limestones. The topography of the Crawford Upland resembles that of the Norman Upland but with greater local relief.

The broad Wabash Lowland is underlain by nonresistant siltstones and shales of Pennsylvanian age that were eroded into a lowland area of moderate relief prior to Pleistocene time. The lowland is partially covered by till and is underlain by widespread and, in places, thick lacustrine, outwash, and alluvial sediments. Much of the lowland is covered by windblown silt deposits and sand dunes that generally decrease in thickness to the east. Drainage, which is poor in some parts of the lowland, has been modified by man. There has been extensive surface coal mining within the lowland. Wilber and others (1985) indicate that surface mining may help sustain low flows in streams by increasing the ground-water storage in the watershed.

Climate

Indiana climate is classified as continental and temperate; the summers are hot and humid, while winters tend to be cold and damp. The transitional seasons of spring and fall have frequent changes in weather. The growing season extends approximately from April through October. A well-defined, north-south climatic gradient across the State provides a cool, temperate climate in the north and a warm, temperate climate in the south (Glatfelter, 1991). High humidity and frequent variations in temperature are characteristic.

Precipitation is well distributed throughout the year. Average annual precipitation ranges from 37 in. in the north to 45 in. in the south (fig. 2). Average annual temperatures range from 49°F in the north to 54°F in the south. Average annual precipitation and temperature values for each of the nine climatic divisions in Indiana are shown in figure 2. These data are based on the period of record 1961–90 (National Oceanic and Atmospheric Administration, 1994). Losses from evapotranspiration are generally uniform across the State; Clark (1980) estimates that approximately 69 percent or 28 in. per year of the average precipitation is returned to the atmosphere.

LOW-FLOW CHARACTERISTICS

Low-flow characteristics are determined by frequency analysis and flow-duration analysis. Frequency curves relate the minimum average discharge for a given number of consecutive days to the recurrence interval in years. Flow-duration curves show the flow characteristics of a stream throughout the range of discharge.

Frequency Analysis

Frequency curves relate the magnitude of a variable to the frequency of occurrence (Riggs, 1968). In low-flow investigations, the frequency

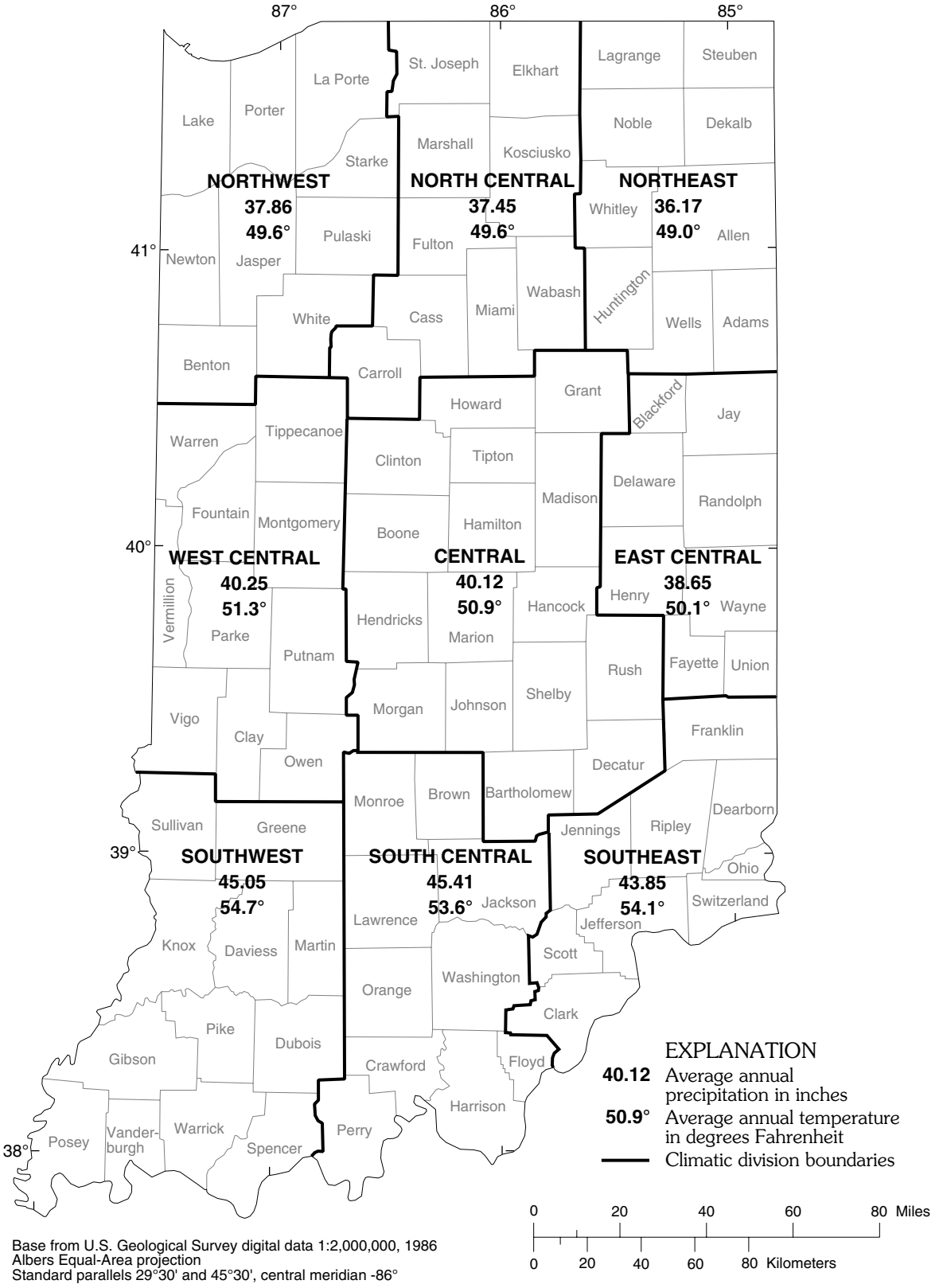


Figure 2. Average annual precipitation and temperature in Indiana, by climatic division, for the period 1961-90 (data from National Oceanic and Atmospheric Administration, 1994).

curve relates the minimum average discharge for a given number of consecutive days (N-day) to the recurrence interval in years (T-year). For example, the 7-day, 10-year low flow ($7Q_{10}$) is the minimum average discharge for 7 consecutive days, which has a 0.1 probability of not being exceeded in a given year. The recurrence interval is the reciprocal of the probability of recurrence. The recurrence interval also may be defined in general terms as the average interval of time between occurrences of low-flow events (for example, the 10-year low flow). This does not imply that there is a regular time interval between low-flow events. Unlike floods, annual low flows are not independent events. If ground-water levels are normal in a given year, a 50-year low flow does not necessarily have a 0.02 probability of occurring in that year. Several years of lower-than-normal precipitation and declining ground-water levels within a given area may need to occur to cause a 50-year low flow in the streams in that area.

The selected consecutive days used in this report are 1, 3, 7, 14, 30, 60, 120, and 183; the N-day values can be for the entire year or for a season. The four seasons presented in this report are March–May, June–August, September–November, and December–February. The seasonal frequency analysis is limited to the 10-year recurrence interval of the 3-day, 7-day, and 14-day low flows. Figure 3 shows an example of where the 7-day and 14-day low flows might occur on the lowest part of an annual hydrograph. On this particular hydrograph, the 7-day and 14-day means represent the annual low flow and the seasonal low flow for September–November.

Continuous-Record Stations

Frequency analyses were computed for 210 continuous-record stations in Indiana with at least 10 years of record (figs. 4 and 5).

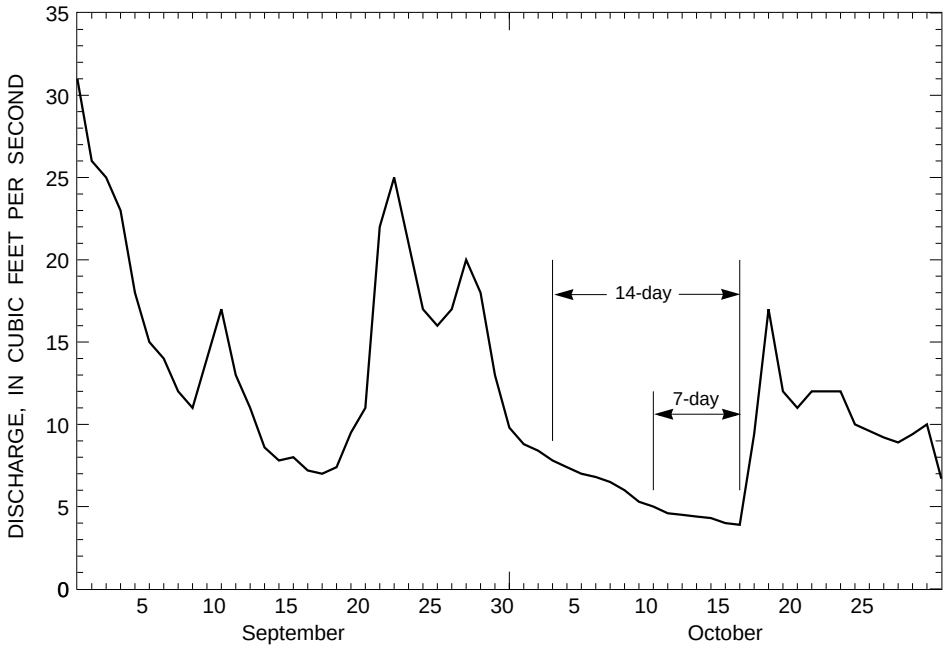


Figure 3. Part of a hypothetical annual hydrograph showing periods for which the daily discharges are averaged to give the 7-day and 14-day low flows for that year or season.

Frequency curves were defined by using a mathematical procedure for fitting the data to a log-Pearson type III distribution (Riggs, 1972). Figure 6 shows an example of a frequency curve of 7-day low flows. Selected N-day, T-year low-flow characteristics can be computed from the following equation:

$$X_T = \bar{X} + KS \quad , \qquad (1)$$

where X_T is selected N-day, T-year low flow,

$\bar{X}$ is mean of the logarithms of the N-day values,

K is Pearson type III frequency factor for the value of skew coefficient computed for the data and a recurrence interval of T (nonexceedance probability of $p = \frac{1}{T}$),

S is standard deviation of the logarithms of the N-day values.

A computer program (Hutchison, 1975; Lumb and others, 1990) was used to select annual (or seasonal) minimum flows; compute the mean, standard deviation, and coefficient of skew; plot the fitted log-Pearson type III probability distribution; and plot the selected minimum flows versus recurrence intervals. Plotting positions were determined from the equation:

$$RI = \frac{(n+1)}{m} \quad , \qquad (2)$$

where RI is recurrence interval in years,

n is number of years of record,

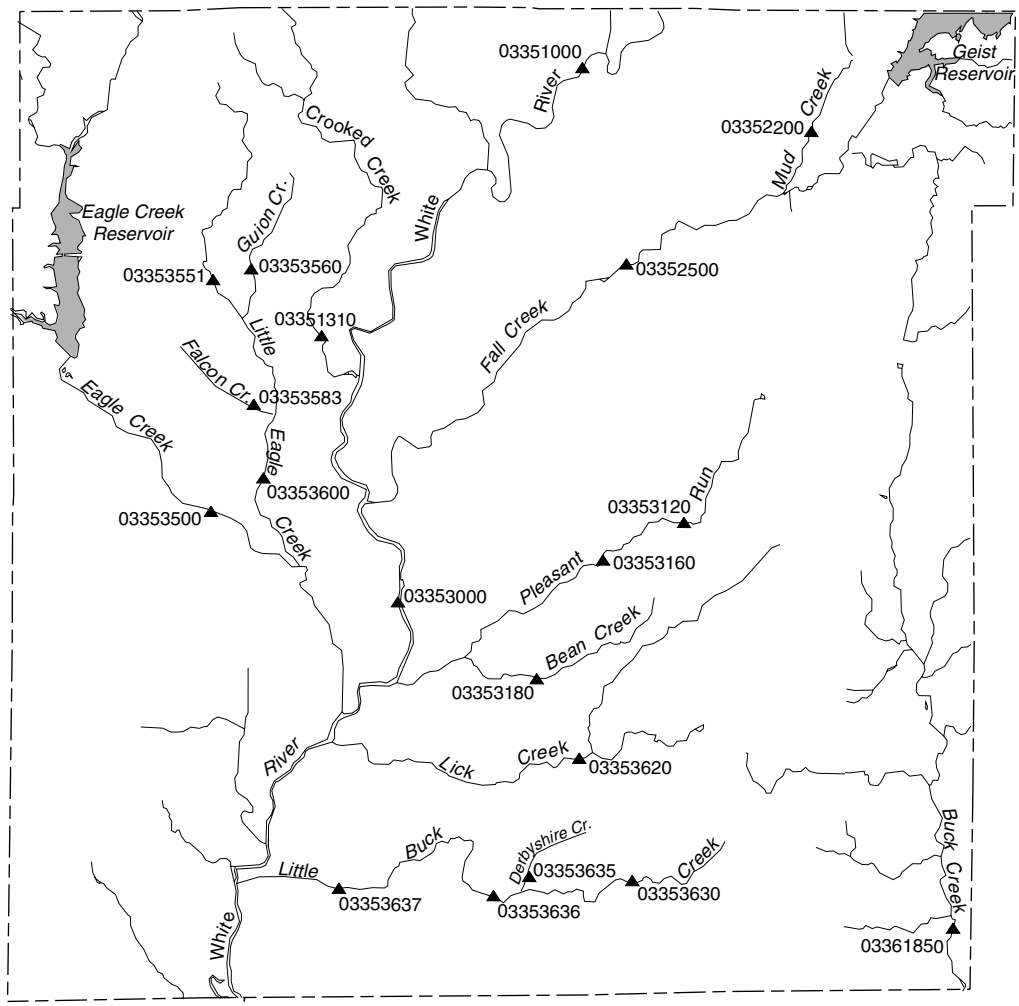
m is numerical rank, with the lowest flow being 1.

This procedure produced acceptable fits to most sets of low-flow data; however, certain low-flow-frequency curves could not be fitted adequately for a complete data set. Where the data points deviated significantly from the log-Pearson type III curve, a curve was drawn graphically through the data points to provide better estimates of the flow characteristics. This method of graphical interpretation is illustrated in Riggs (1972, p. 5). The log-Pearson type III fitting procedure works best when the absolute value of skew of the logs is close to zero. (Skew is a measure of asymmetry of a frequency distribution.) Occasionally, because of insufficient record, the lower end of the frequency curve was not reliable. In these cases, the values for the 50-year recurrence interval and, infrequently, the 20-year recurrence interval were excluded from the table. In a few cases, calculations were not made because the N-day values varied over a large enough range that the absolute value of skew exceeded allowable limits. This situation typically occurred when extreme regulation dropped discharge for a short period of time to a fraction of the normal discharge. Values determined from the frequency analysis that were less than or equal to 0.05 ft^3/s were rounded to zero; those that were between 0.05 and 0.1 ft^3/s were rounded to 0.1 ft^3/s.

Riggs (1972) indicated that the reliability of a low-flow-frequency curve is closely related to the length of record. Ideally, the record would be representative of the long-term-flow characteristics. In general, the longer the period of record, the more reliable the low-flow estimates. The period of record is listed in table 1 for all the continuous-record stations, several of which have been discontinued. Low-flow characteristics for stations with less than 10 years of record were estimated with the methods described in the section “Partial-Record Stations.” The estimated low-flow characteristics at a given station will change as the period of record changes, especially if drought years or unusually high-flow years are added to the record. The flow characteristics shown in table 1 tend to be higher than those published in Stewart (1983).

Several continuous-record stations are affected by some form of regulation or diversion, which is noted in the “Remarks” section of the affected stations in table 1. For those stations affected by some form of regulation, low-flow-frequency curves are based on the longest period

Figure 4. Continuous-record streamflow-gaging stations in Indiana.



Base from U.S. Geological Survey digital data, 1:100,000, 1986
Albers Equal-Area projection
Standard parallels 29°30' and 45°30', central meridian -86°

0 1 2 3 4 5 MILES

0 1 2 3 4 5 KILOMETERS

EXPLANATION

▲ Continuous-record station

Figure 5. Continuous-record streamflow-gaging stations in Marion County, Indiana.

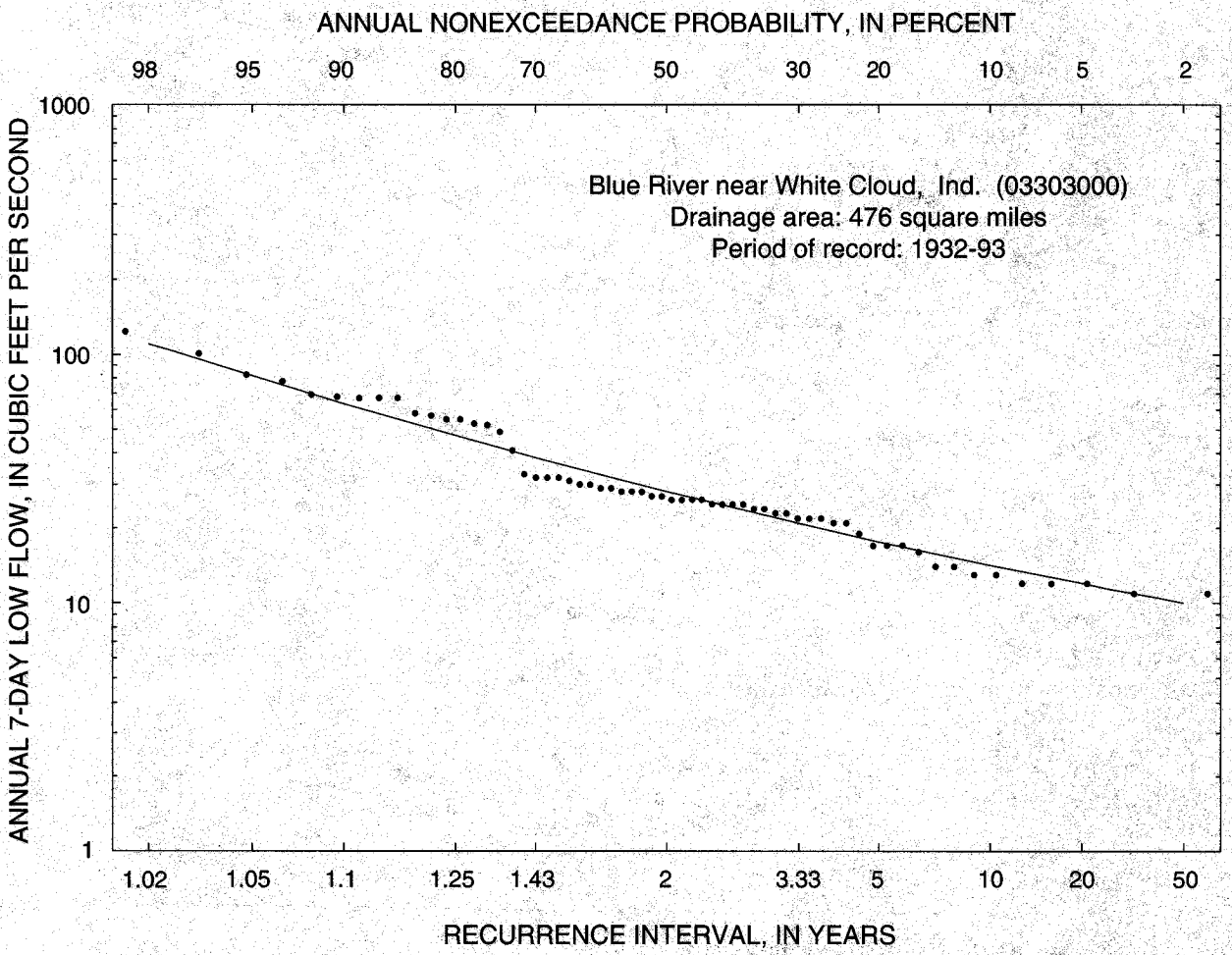


Figure 6. Low-flow-frequency curve (log-Pearson type III) for Blue River near White Cloud, Indiana.

of homogeneous record under current conditions. As a result, the flow characteristics at many regulated stations are higher than previously published in Stewart (1983), which included the period of natural flows prior to regulation as well as the regulated period. This increase in low-flow characteristics will be most noticeable for stations immediately downstream from reservoirs.

Partial-Record Stations

Low-flow partial-record stations are ungaged sites at which measurements of base flow are made. The base flows are related to the concurrent daily mean flows of a nearby continuous-record station (index station) for which a low-flow-frequency curve has been defined. Riggs (1972) indicated that, generally, 8 to 10 measurements made on different streamflow recessions and in more than 1 year should define the relation to concurrent flows at the index station. Riggs (1972) also indicated that fewer measurements may suffice if some were made during a significant drought. Ideally, the watershed for the index station should be of similar terrain, drainage area, and geologic characteristics as that for the partial-record station. The index station and the partial-record station also should have similar base-flow-recession characteristics. With this in mind, regional physiography (fig. 1) was considered during the selection of index stations. The location of the partial-record stations is shown in figure 7.

Low-flow characteristics at partial-record stations were estimated by use of the mathematical technique described in Stedinger and Thomas (1985) or by the graphical correlation methods described in Riggs (1972). In both techniques, a relation between base-flow measurements at the partial-record stations and concurrent daily flows at index stations (using logarithms of flows) is developed. The Stedinger-Thomas technique defines the relation using least squares regression analysis. The regression analysis and low-flow statistics at the index station are used to estimate the desired flow characteristics at the partial-record station. The least squares regression line, based on discharge measurements at the partial-record station and concurrent flows at the index station, is given by the equation:

$$y = a + bx \ , \qquad (3)$$

where y represents the log-transformed flows at the partial-record station, and

x represents the log-transformed flows at the index station.

From Stedinger and Thomas (1985), the N-day, T-year low flow at the partial-record site, Y_T, is estimated by the equation:

$$Y_T = \mu_y + K_y\sigma_y \ , \qquad (4)$$

where μ denotes the mean;

σ denotes the standard deviation; and

K_y is the frequency factor for the value of skew coefficient at the T-year recurrence interval.

Because the partial-record station has no record of N-day low flows, the logarithms of concurrent base-flow measurements and daily flows are used to estimate the parameters in equation 4. The relation in equation 4 can be approximated by:

$$Y_T = a + bm_x + \left(\frac{X_T - m_x}{s_x}\right)\left(b^2 s_x^2 + s_e^2\left(1 - \frac{s_x^2}{(L-1)\tilde{s}_x^2}\right)\right)^{1/2} \ , \qquad (5)$$

where m_x is the sample mean of the logarithms of the annual N-day low flows at the index station,

s_x is the sample standard deviation of the logarithms of the annual N-day low flows at the index station,

s_e is the standard error of estimate of the least squares regression equation (eq. 3),

L is the number of base-flow measurements and concurrent daily flows used to estimate the regression equation,

$\tilde{s}_x$ is the standard deviation of the concurrent flows at the index station used in the regression equation, and

X_T is the N-day, T-year low flow for the index station.

The factor $\left(1 - \frac{s_x^2}{(L-1)\tilde{s}_x^2}\right)$ was used to obtain an unbiased estimator of σ_y^2 (Stedinger and Thomas, 1985, p. 4).

The Stedinger-Thomas technique was used as the primary method for estimating low-flow characteristics at the partial-record stations. Thomas (W.O. Thomas, Jr., and others, U.S. Geological Survey, written commun., 1993) recommends that there be at least 10 base-flow measurements at the partial-record station and that there be a linear relation between the base flows and the concurrent daily mean flows at the index station. Stedinger and Thomas (1985) recommends that the correlation coefficient exceed 0.70. Also, the Stedinger-Thomas technique uses logarithms of flows; zero flows cannot be used. The Stedinger-Thomas technique has been automated by the USGS (W.O. Thomas and others, U.S. Geological Survey, written commun., 1993) and has the capability of using multiple index stations.

The graphical correlation method (Riggs, 1972) was used to estimate low-flow characteristics for the partial-record stations with zero flows where the relation between base flows and concurrent daily mean flows was not well defined, or where fewer than 10 measurements of flow were available. Base-flow measurements at the partial-record station are plotted on log-log graph paper against concurrent daily mean flows at the index station, and a smooth line relating the two is drawn. Points from the frequency curve defined for the index station are transferred through the smooth curve to obtain estimates of analogous frequency points at the partial-record station. An example of an application of the graphical method is shown in figure 8.

The procedures outlined above also were used to estimate low-flow characteristics at continuous-record stations with less than 10 years of record (table 1). At some stations with a short period of record, daily values during base flow were used to augment the discharge measurements. The estimated flow characteristics are limited to the $7Q_{10}$ and $7Q_2$.

Low-flow characteristics were estimated at 285 partial-record stations in Indiana (table 2). The estimated flow characteristics are limited to the $7Q_{10}$ and $7Q_2$. Partial-record stations with only one observed zero flow were assigned a $7Q_{10}$ of zero if flow at a corresponding index station was greater than or equal to $7Q_{10}$. Some stations in table 2 list "No Correlation" rather than values for $7Q_{10}$ and $7Q_2$. These are stations that were published in Stewart (1983) with estimates of the flow characteristics; however, further analysis indicates that the data are insufficient for estimating flow characteristics. Estimates of $7Q_{10}$ and $7Q_2$ that were less than or equal to 0.05 ft^3/s were rounded to zero; those that were between 0.05 and 0.1 ft^3/s were rounded to 0.1 ft^3/s.

Flow-Duration Analysis

A flow-duration curve is a cumulative-frequency curve that shows the percent of time that a specified discharge at a site was equaled or exceeded during a given period of record

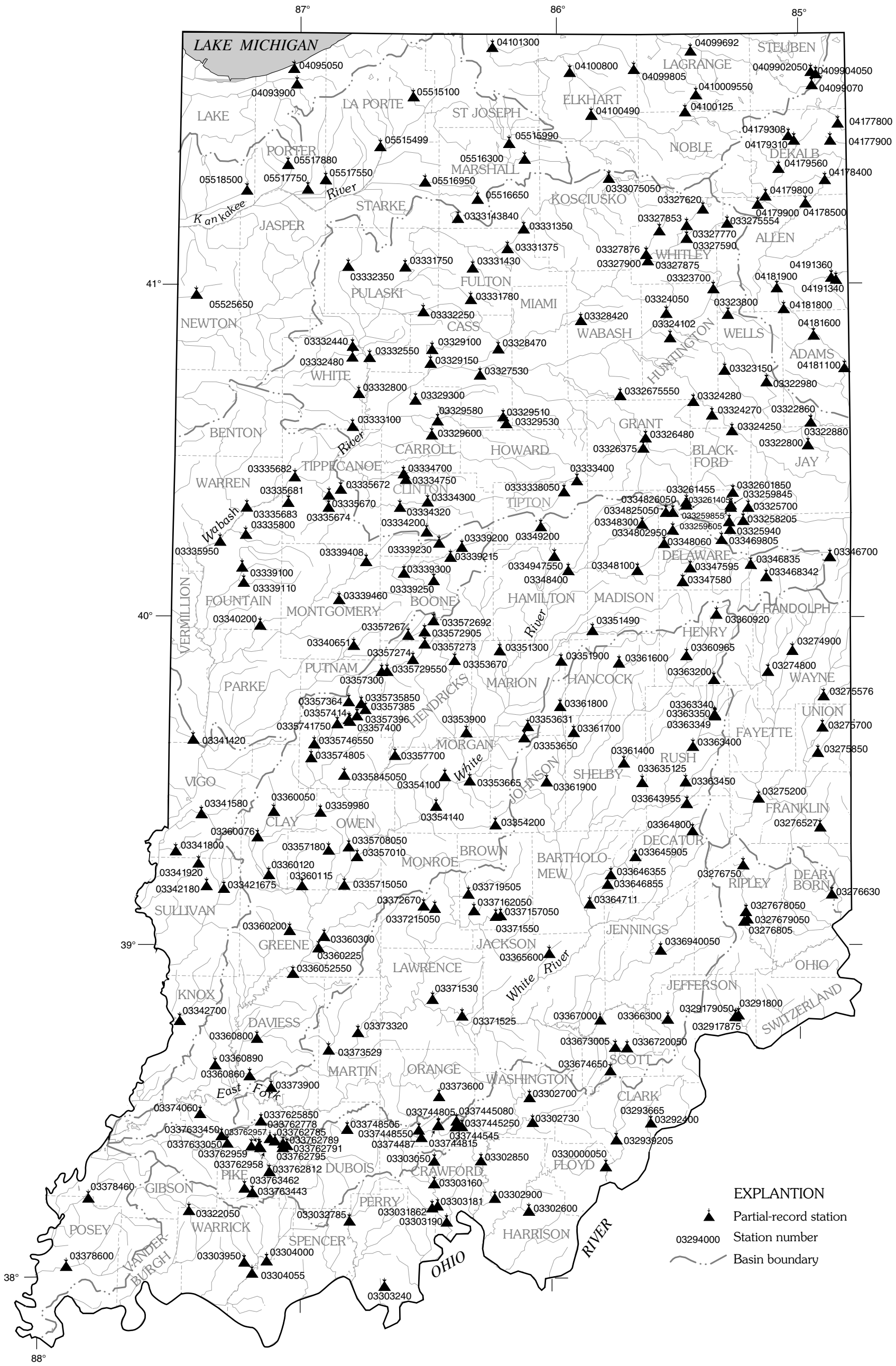


Figure 7. Low-flow, partial-record stations in Indiana.

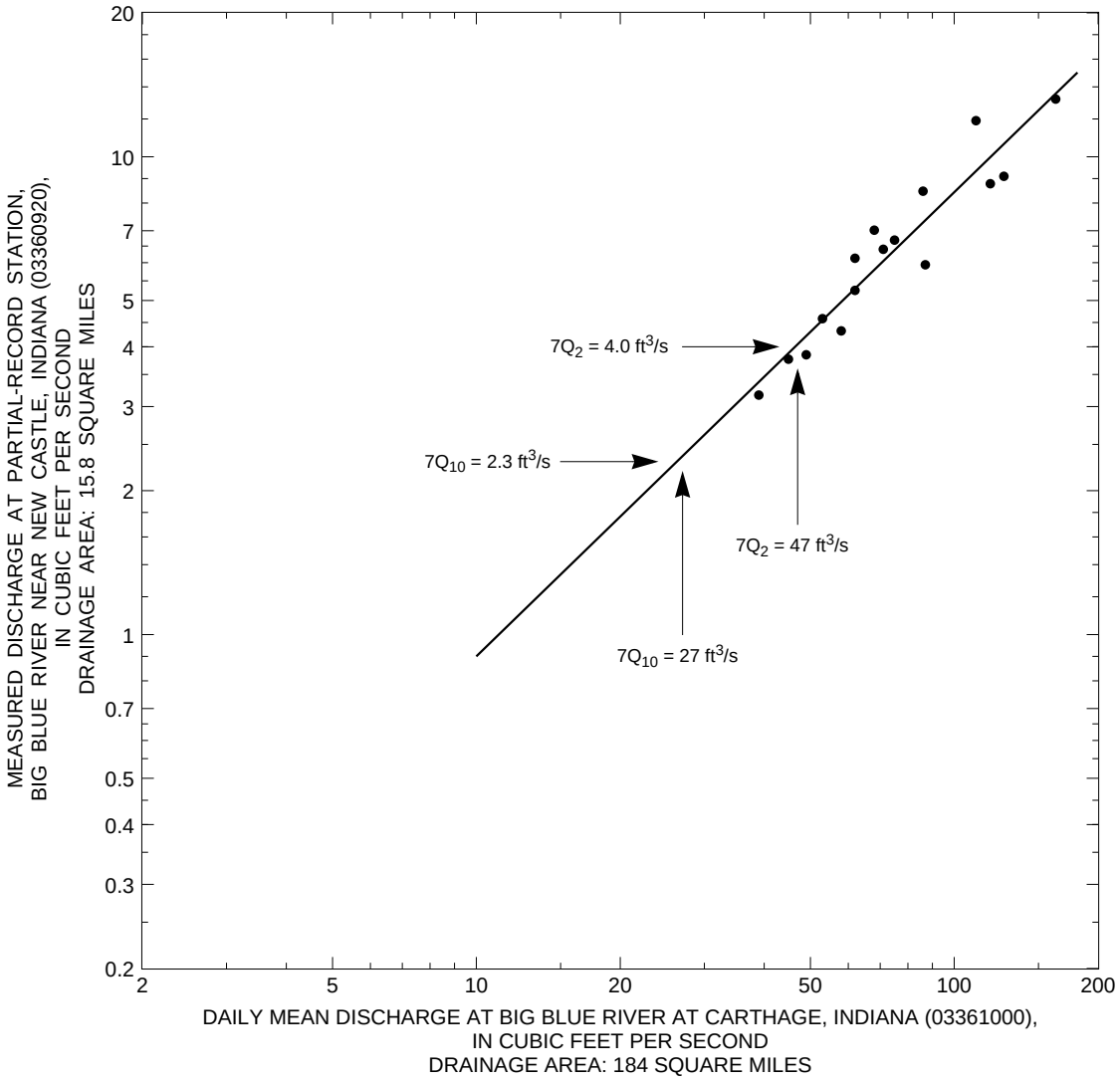


Figure 8. Graphical method of estimating low-flow characteristics at a partial-record station from known characteristics at a continuous-record station.

(Searcy, 1959). Flow-duration curves are useful for showing the flow characteristics of a stream throughout its range of discharge. The chronological sequence of flows is not a factor in the curve. This report contains flow-duration analyses for all of the continuous-record stations in Indiana (table 1). A flow-duration analysis applies only to the period of record used to develop the curve, and the flow-duration curve represents the average curve for the period of record.

Only complete years of record are used for flow-duration analysis. The years used do not need to be consecutive, but conditions in the basin (artificial storage, diversions, or other manmade influences) need to be the same. By arranging flows according to frequency of occurrence and by plotting the flow-duration curve, the combined effects of the factors influencing runoff are shown. The shape of the curve is determined by the hydrologic and geologic characteristics of the drainage basin. The slope at the lower end of the curve is indicative of the perennial storage in the drainage basin; a gentle slope indicates a large amount of storage, and a steep slope indicates little storage. A gentle slope indicates sustained streamflow during dry periods. A curve with a steep slope indicates highly variable streamflow that is influenced by direct runoff. A flow-duration curve with a gentle slope indicates the presence of surface- or ground-water storage; slow, constant release of the stored water tends to equalize the flow at the station (Searcy, 1959).

In general, flow-duration curves with steep slopes are typical of streams in the hilly areas of southern Indiana, and curves with gentle slopes are typical of streams in the glaciated areas of northern Indiana. Figure 9 shows two flow-duration curves, one from southern Indiana and one from northern Indiana. The streams have similar drainage areas but different flow characteristics. Back Creek (Lawrence County, fig. 4), in an area of exposed or shallow bedrock with little or no unconsolidated deposits (Gray, 1983), has highly variable flow and periodically goes to zero flow. Pine Creek (Elkhart County, fig. 4) has a smaller range of flow that was sustained 99.5 percent of the time above 5 ft^3/s. This sustained flow can be attributed to the unconsolidated deposits in the area, which are predominantly sand and gravel (Gray, 1989), and may exceed 200 ft in thickness (Gray, 1983).

SUMMARY

Low-flow characteristics for 229 continuous record, streamflow-gaging stations and 285 partial-record stations in Indiana are presented in this report. A frequency analysis is included for continuous-record stations with at least 10 years of record, and flow-duration information is included for all continuous-record stations. Partial-record stations and continuous-record stations with less than 10 years of record have estimates of only the 7-day low flow at the 10- and 2-year recurrence intervals. Discussions of the statistical methods used are presented.

The streams in Indiana are directly influenced by precipitation and geology. Generally, streams in the glaciated northern zone of the State have higher sustained base flows than in the nonglaciated southern zone. Stream channels in northern Indiana tend to be highly permeable, and flows are more sustained because of the influence of ground water. Sustained flows in the central Indiana till plain are generally lower than those in the north, except in localized areas of higher channel permeability. The southern zone of the State has the most diverse physiography of the three zones. Throughout much of southern Indiana, however, there is little sustained base flow. In some areas of alluvial deposits, sustained flows are increased but are generally lowest in the south.

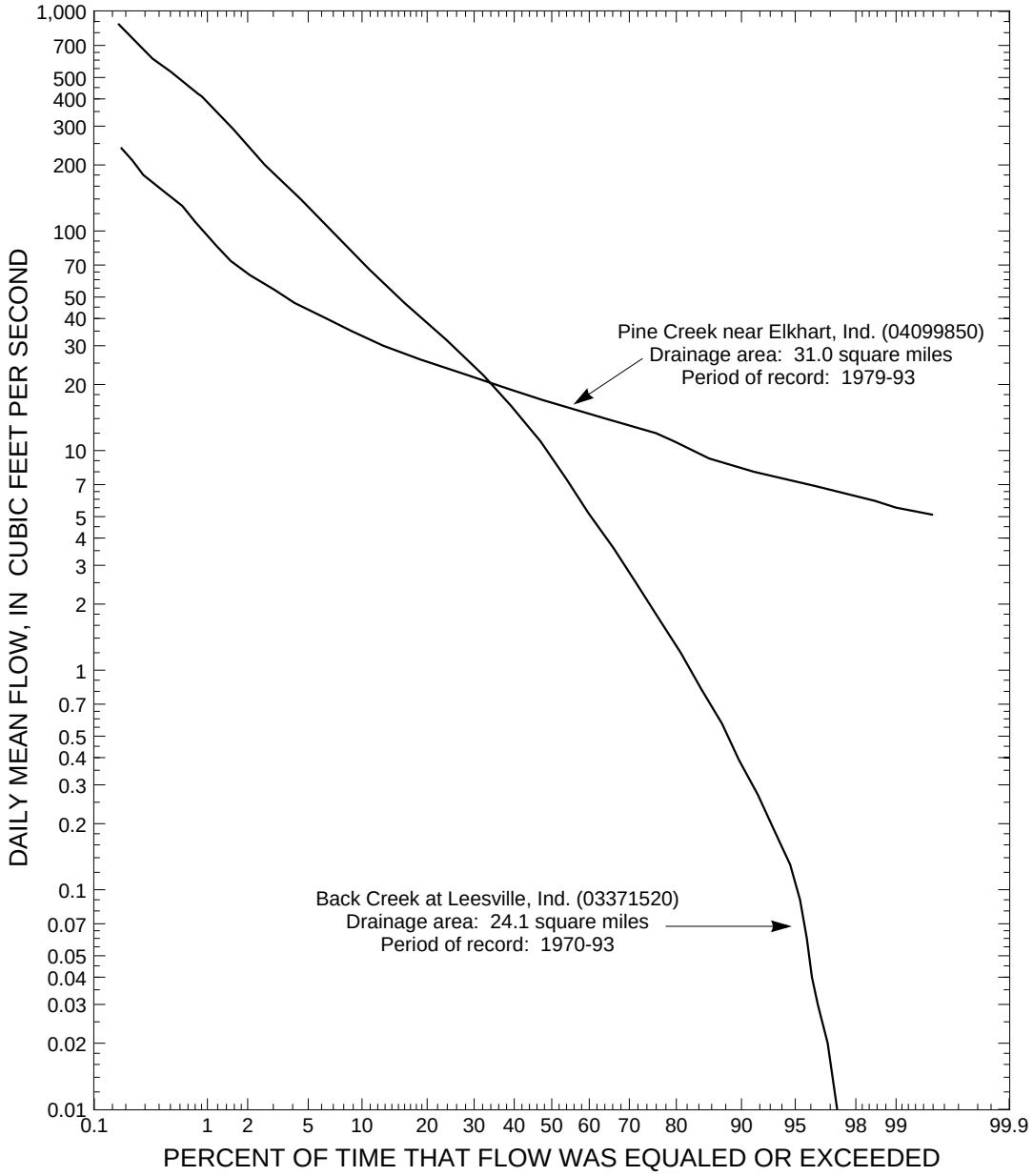


Figure 9. Flow-duration curves for a stream in southern Indiana (Back Creek) and a stream in northern Indiana (Pine Creek).

REFERENCES CITED

Arihood, L.D., and Glatfelter, D.R., 1986, Method for estimating low-flow characteristics of ungaged streams in Indiana: U.S. Geological Survey Open-File Report 86-323, 32 p.

Arvin, D.V., 1989, Statistical summary of streamflow data for Indiana: U.S. Geological Survey Open-File Report 89-62, 964 p.

Clark, G.D., ed., 1980, The Indiana water resource: Indiana Department of Natural Resources, Indianapolis, 508 p.

Glatfelter, D.R., 1991, Indiana floods and droughts, *in* National Water Summary 1988–89: U.S. Geological Survey Water-Supply Paper 2375, 591 p.

Gray, H.H., 1983, Map of Indiana showing thickness of unconsolidated deposits: Indiana Department of Natural Resources, Geological Survey Miscellaneous Map 37, scale 1:500,000.

_____1989, Quaternary geologic map of Indiana: Indiana Department of Natural Resources, Geological Survey Miscellaneous Map 49, scale 1:500,000.

Hoggatt, R.E., 1962, Low-flow characteristics of Indiana streams: Indiana Stream Pollution Control Board, 171 p.

Hutchison, N.E., comp., 1975, revised 1984, WATSTORE user's guide, National Water Data Storage and Retrieval System: U.S. Geological Survey Open-File Report 75-426, [variously paged].

Lumb, A.M.; Kittle, J.L., Jr.; and Flynn, K.M., 1990, Users manual for ANNIE, a computer program for interactive hydrologic analyses and data management: U.S. Geological Survey Water-Resources Investigations Report 89-4080, 236 p.

National Oceanic and Atmospheric Administration, 1994, Climatological data, annual summary, Indiana, 1993, v. 98, no. 13: Asheville, N.C., National Climatic Data Center.

Riggs, H.C., 1968, Frequency curves: U.S. Geological Survey Techniques of Water-Resources Investigations, book 4, chap. A2, 15 p.

_____1972, Low-flow investigations: U.S. Geological Survey Techniques of Water-Resources Investigations, book 4, chap. B1, 18 p.

Rohne, P.B., Jr., 1972, Low-flow characteristics of Indiana streams: U.S. Geological Survey Open-File Report, 322 p.

Schneider, A.F., 1966, Physiography, *in* Lindsey, A.A., ed., Natural features of Indiana: Indianapolis, Indiana Academy of Science, p. 40–56.

Searcy, J.K., 1959, Flow-duration curves: U.S. Geological Survey Water-Supply Paper 1542-A, 33 p.

Stedinger, J.R., and Thomas, W.O., Jr., 1985, Low-flow frequency estimation using base-flow measurements: U.S. Geological Survey Open-File Report 85-95, 22 p.

Stewart, J.A., 1983, Low-flow characteristics of Indiana streams: U.S. Geological Survey Open-File Report 82-1007, 277 p.

Stewart, J.A.; Miller, R.L.; and Butch, G.K., 1986, Cost effectiveness of the U.S. Geological Survey stream-gaging program in Indiana: U.S. Geological Survey Water-Resources Investigations Report 85-4343, 92 p.

Wayne, W.J., 1956, Thickness of drift and bedrock physiography of Indiana north of the Wisconsin glacial boundary: Indiana Geological Survey Report of Progress No. 7, 70 p.

Wilber, W.G.; Renn, D.E.; and Crawford, C.G., 1985, Effects of land use and surficial geology on flow and water quality of streams in the coal mining region of southwestern Indiana, October 1979 through September 1980: U.S. Geological Survey Water-Resources Investigation Report 85-4234, 49 p.

TABLE 1

LOW-FLOW CHARACTERISTICS FOR

CONTINUOUS-RECORD STATIONS IN INDIANA

03274650 WHITEWATER RIVER NEAR ECONOMY, INDIANA

LOCATION—Lat 40°00′05″, long 85°06′56″, in NW1/4NE1/4 sec.19, T.18 N., R.13 E., Wayne County, Hydrologic Unit 05080003, on right bank 15 ft downstream from bridge on Wayne County Line Road, 1.7 mi upstream from Little Creek, 2.4 mi northwest of Economy, and at mile 91.9.

DRAINAGE AREA—10.4 mi^2.

PERIOD OF RECORD— October 1970 to current year.

AVERAGE DISCHARGE— 11.2 ft^3/s.

MINIMUM DAILY DISCHARGE—0.22 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.6	0.6	0.6	0.6	0.7	1.0	1.6	2.9
5	.4	.4	.4	.4	.5	.5	.8	1.4
10	.3	.3	.3	.3	.4	.4	.5	1.0
20	.2	.2	.3	.3	.3	.4	.4	.7
50	.2	.2	.2	.2	.3	.3	.3	.5

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	1.5	1.6	1.7
June–Aug.	.5	.5	.5
Sept.–Nov.	.3	.3	.4
Dec.–Feb.	.5	.6	.7

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	180	20	13	80	1.2
.9	134	30	7.9	90	.74
1.0	127	40	5.5	95	.57
2.0	87	50	4.0	98	.44
5.0	46	60	2.8	99	.36
10	27	70	1.9	99.5	.30

03274750 WHITEWATER RIVER NEAR HAGERSTOWN, INDIANA

LOCATION—Lat 39°52′25″, long 85°09′47″, in NE1/4NE1/4 sec.3, T.16 N., R.12 E., Wayne County, Hydrologic Unit 05080003, on left bank at downstream side of bridge on Jerry Meyers Road, 1.0 mi upstream from Pronghorn Run, 1.5 mi north of Interstate 70, 2.0 mi downstream from Nettle Creek, 2.6 mi south of Hagerstown, and at mile 84.9.

DRAINAGE AREA—58.7 mi^2.

PERIOD OF RECORD— October 1970 to current year.

AVERAGE DISCHARGE— 67.9 ft^3/s.

MINIMUM DAILY DISCHARGE—5.3 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	12	12	13	13	15	17	21	29
5	8.4	8.7	9.1	9.4	10	12	14	19
10	7.0	7.2	7.6	7.8	8.5	9.8	11	15
20	6.1	6.2	6.5	6.8	7.4	8.6	10	13
50	5.1	5.3	5.5	5.8	6.4	7.6	8.8	11

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	19	19	21
June–Aug.	8.9	9.4	10
Sept.–Nov.	8.2	8.5	9.1
Dec.–Feb.	11	12	13

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	822	20	79	80	19
.9	677	30	60	90	15
1.0	646	40	48	95	12
2.0	419	50	39	98	9.5
5.0	211	60	31	99	8.1
10	127	70	25	99.5	7.2

03274950 LITTLE WILLIAMS CREEK AT CONNERSVILLE, INDIANA

LOCATION—Lat 39°38′16″, long 85°10′20″, in SW1/4NE1/4 sec.27, T.14 N., R.12 E., Fayette County, Hydrologic Unit 05080003, on downstream left bank wingwall of bridge on State Highway 44; 1 mi west of Connersville, and 2.6 mi upstream from mouth.

DRAINAGE AREA—9.16 mi^2.

PERIOD OF RECORD— September 1968 to 1991 (discontinued).

AVERAGE DISCHARGE— 9.90 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.8	0.8	0.8	0.9	1.1	1.5	2.2	3.4
5	.2	.3	.4	.4	.5	.6	.9	1.7
10	.1	.1	.2	.3	.4	.4	.6	1.2
20	.0	.0	.1	.1	.2	.2	.4	.8
50	.0	.0	.0	.0	.0	.1	.2	.5

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	2.1	2.3	2.7
June–Aug.	.4	.4	.5
Sept.–Nov.	.1	.2	.3
Dec.–Feb.	1.0	1.0	1.1

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	164	20	13	80	1.6
.9	114	30	9.0	90	1.0
1.0	106	40	6.6	95	.67
2.0	64	50	4.9	98	.41
5.0	31	60	3.7	99	.18
10	19	70	2.5	99.5	.01

03275000 WHITEWATER RIVER NEAR ALPINE, INDIANA

LOCATION—Lat 39°34′23″, long 85°09′27″, in SW1/4SE1/4 sec.l4, T.13 N., R.12 E., Fayette County, Hydrologic Unit 05080003, on right bank 500 ft downstream from highway bridge, 0.4 mi downstream from Wilson Creek, 1.6 mi northeast of Alpine, 4.6 mi upstream from Bear Creek, and at mile 54.3.

DRAINAGE AREA—529 mi^2.

PERIOD OF RECORD— October 1928 to current year.

AVERAGE DISCHARGE— 561 ft^3/s.

MINIMUM DAILY DISCHARGE— 30 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	79	83	86	89	95	108	137	189
5	55	58	61	64	69	77	90	115
10	46	48	51	55	60	66	74	89
20	39	42	44	49	54	60	64	72
50	33	35	38	43	49	54	56	57

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	123	135	153
June–Aug.	56	59	65
Sept.–Nov.	50	53	56
Dec.–Feb.	73	76	81

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	7470	20	687	80	117
.9	5560	30	489	90	86
1.0	5250	40	360	95	70
2.0	3560	50	275	98	57
5.0	1880	60	207	99	51
10	1150	70	154	99.5	46

03275500 EAST FORK WHITEWATER RIVER AT RICHMOND, INDIANA

LOCATION—Lat 39°48′24″, long 84°54′26″, in NW1/4SW1/4 sec.8, T.13 N., R.1 W., Wayne County, Hydrologic Unit 05080003, on left bank 50 ft downstream from highway bridge, 0.8 mile south of Richmond, 1.5 miles upstream from Short Creek, and at mile 33.4.

DRAINAGE AREA—121 mi^2.

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

AVERAGE DISCHARGE— 115 ft^3/s.

MINIMUM DAILY DISCHARGE—1.2 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	8.7	9.1	10	11	12	15	20	29
5	4.4	4.9	5.7	6.8	8.1	10	13	17
10	2.9	3.5	4.2	5.2	6.7	8.7	11	13
20	2.0	2.6	3.2	4.2	5.7	7.7	9.6	11
50	1.3	1.8	2.4	3.2	4.9	6.8	8.4	8.9

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	23	26	29
June–Aug.	4.6	6.0	7.9
Sept.–Nov.	3.9	4.6	5.8
Dec.–Feb.	8.9	9.7	11

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2020	20	133	80	18
.9	1340	30	90	90	13
1.0	1240	40	65	95	9.4
2.0	747	50	47	98	7.3
5.0	394	60	33	99	5.8
10	237	70	24	99.5	4.5

03275600 EAST FORK WHITEWATER RIVER AT ABINGTON, INDIANA

LOCATION—Lat 39°43′59″, long 84°57′35″, in NE1/4SW1/4 sec.2, T.12 N., R.2 W., Wayne County, Hydrologic Unit 05080003, 15 ft downstream of bridge on county road at Abington, 3 mi downstream from Elkhorn Creek, 8 mi southwest of Richmond, and at mile 26.7.

DRAINAGE AREA—200 mi^2.

PERIOD OF RECORD— October 1965 to current year.

AVERAGE DISCHARGE— 226 ft^3/s.

MINIMUM DAILY DISCHARGE—11 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	28	29	30	33	35	41	57	83
5	20	21	22	24	25	29	36	51
10	17	17	18	20	22	25	30	39
20	14	15	16	17	20	23	26	32
50	12	12	13	15	17	20	23	25

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	51	54	60
June–Aug.	19	20	23
Sept.–Nov.	19	20	20
Dec.–Feb.	31	33	35

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2940	20	270	80	46
.9	2310	30	198	90	35
1.0	2190	40	148	95	28
2.0	1360	50	114	98	22
5.0	757	60	85	99	18
10	457	70	62	99.5	16

03276000 EAST FORK WHITEWATER RIVER AT BROOKVILLE, INDIANA

LOCATION—Lat 39°26′02″, long 85°00′12″, in NE1/4NE1/4 sec.20, T.9 N., R.2 W., Franklin County, Hydrologic Unit 05080003, on right bank 100 ft upstream from bridge on State Highway 101, at Brookville, 0.4 mi downstream from Brookville Lake, and 1.8 mi upstream from mouth.

DRAINAGE AREA—380 mi^2.

PERIOD OF RECORD— March 1954 to current year.

AVERAGE DISCHARGE— 404 ft^3/s.

MINIMUM DAILY DISCHARGE— 0.00 ft^3/s Nov. 27, 1991; July 14-16, 21-26, Aug. 4-27, 1992.

REMARKS— Flow regulated by the U.S. Army Corps of Engineers from Brookville Lake since January 1974. Records of Daily discharge provided by U.S. Army Corps of Engineers beginning Oct. 1, 1991. Low-flow statistics are calculated for the regulated period, 1974 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	19	27	32	36	41	58	132	228
5	4.0	15	21	27	28	36	71	122
10	.0	10	15	22	22	30	50	80
20	.0	.0	.0	.0	17	26	38	54
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	29	38	37
June–Aug.	13	22	24
Sept.–Nov.	19	27	31
Dec.–Feb.	24	28	46

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	3640	20	653	80	54
.9	3220	30	435	90	41
1.0	3120	40	339	95	33
2.0	2490	50	220	98	27
5.0	1750	60	145	99	18
10	1110	70	74	99.5	4.7

03276500 WHITEWATER RIVER AT BROOKVILLE, INDIANA

LOCATION—Lat 39°24′24″, long 85°00′46″, in NE1/4NW1/4 sec.32, T.9 N., R.2 W., Franklin County, Hydrologic Unit 05080003, on right bank at downstream side of highway bridge, 0.3 mi downstream from East Fork Whitewater River, 1.1 mi south of Brookville, and at mile 29.3.

DRAINAGE AREA—1,224 mi^2.

PERIOD OF RECORD— June 1915 to September 1917, October 1917 to May 1920 (gage heights only), and July 1923 to current.

AVERAGE DISCHARGE— 1,286 ft^3/s.

MINIMUM DAILY DISCHARGE—60 ft^3/s.

REMARKS— Flow regulated by Brookville Lake since January 1974. Low-flow statistics are calculated for the regulated period, 1974 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	164	167	173	182	200	254	404	569
5	113	117	121	125	135	166	253	358
10	93	99	102	106	115	138	206	281
20	80	86	89	94	103	121	176	230
50	67	74	77	83	92	106	151	183

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	282	298	337
June–Aug.	123	128	136
Sept.–Nov.	114	122	129
Dec.–Feb.	163	168	179

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	11800	20	1940	80	321
.9	9650	30	1280	90	209
1.0	9220	40	977	95	165
2.0	6970	50	748	98	131
5.0	4660	60	596	99	113
10	3200	70	457	99.5	99

03276700 SOUTH HOGAN CREEK NEAR DILLSBORO, INDIANA

LOCATION—Lat 39°01′47″, long 85°02′17″, in SW1/4NW1/4 sec.7, T.4 N., R.2 W., Dearborn County, Hydrologic Unit 05090203, on left downstream abutment of bridge on county road at Dillsboro Station, 1.2 mi northeast of Dillsboro, and 1.5 mi downstream from Whitaker Creek.

DRAINAGE AREA—38.1 mi^2.

PERIOD OF RECORD— July 1961 to September 1993 (discontinued).

AVERAGE DISCHARGE— 43.3 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.0	0.0	0.0	0.0	0.2	0.9	3.7	10
5	.0	.0	.0	.0	.0	.2	.6	3.0
10	.0	.0	.0	.0	.0	.0	.2	1.2
20	.0	.0	.0	.0	.0	.0	.0	.5
50	.0	.0	.0	.0	.0	.0	.0	.1

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	1.1	1.6	2.2
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.8	1.1	1.1

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	961	20	40	80	.71
.9	690	30	24	90	.12
1.0	664	40	14	95	.01
2.0	441	50	8.6	98	.00
5.0	192	60	4.8	99	.00
10	85	70	2.2	99.5	.00

03277000 LAUGHERY CREEK NEAR FARMERS RETREAT, INDIANA

LOCATION—Lat 38°57′08″, long 85°04′15″, in NW1/4SE1/4 sec.2, T.4 N., R.3 W., Ohio County, on right bank 2.4 mi southeast of Farmers Retreat, and 3.8 miles downstream from Bear Creek.

DRAINAGE AREA—248 mi^2.

PERIOD OF RECORD— October 1940 to September 1973 (discontinued).

AVERAGE DISCHARGE— 272 ft^3/s.

MINIMUM DAILY DISCHARGE— No flow at times most years.

REMARKS— Some regulation by mill upstream from station.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.3	0.3	0.5	0.6	1.0	2.9	17	39
5	.0	.0	.0	.0	.1	.4	3.4	16
10	.0	.0	.0	.0	.0	.1	1.1	9.1
20	.0	.0	.0	.0	.0	.0	.4	5.7
50	.0	.0	.0	.0	.0	.0	.1	3.2

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	8.2	12	19
June–Aug.	.1	.2	.2
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	1.2	1.2	1.9

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	5420	20	274	80	4.9
.9	4090	30	160	90	1.0
1.0	3940	40	89	95	.24
2.0	2670	50	52	98	.03
5.0	1230	60	29	99	.01
10	584	70	14	99.5	.01

03291780 INDIAN-KENTUCK CREEK NEAR CANAAN, INDIANA

LOCATION—Lat 38°52′41″, long 85°15′26″, in SW1/4NW1/4 sec.13, T.5 N., R.11 E., Jefferson County, Hydrologic Unit 05140101, on downstream end of left pier of bridge on State Highway 62; 1,500 ft upstream from Wilson Fork, 2.0 mi northeast of Canaan, and at mile 16.7.

DRAINAGE AREA—27.5 mi^2.

PERIOD OF RECORD— October 1969 to current year.

AVERAGE DISCHARGE— 34.4 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.0	0.0	0.0	0.0	0.2	1.0	4.3	9.6
5	.0	.0	.0	.0	.0	.2	1.4	4.7
10	.0	.0	.0	.0	.0	.0	.7	3.1
20	.0	.0	.0	.0	.0	.0	.4	2.2
50	.0	.0	.0	.0	.0	.0	.2	1.4

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.9	1.3	2.1
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.9	1.1	1.3

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	672	20	37	80	.81
.9	495	30	23	90	.14
1.0	474	40	15	95	.01
2.0	314	50	8.9	98	.00
5.0	153	60	5.0	99	.00
10	76	70	2.5	99.5	.00

03294000 SILVER CREEK NEAR SELLERSBURG, INDIANA

LOCATION—Lat 38°22′15″, long 85°43′35″, in lot 68, Clark Military Grant, Clark County, Hydrologic Unit 05140101, on downstream side of Straws Mill bridge on Watson Road, 0.3 mi downstream from Pleasant Run, 2.4 mi southeast of Sellersburg, and 12.2 mi upstream from mouth.

DRAINAGE AREA—189 mi^2.

PERIOD OF RECORD— October 1954 to current year.

AVERAGE DISCHARGE— 218 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Some regulation by Deam Lake.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.9	1.0	1.3	1.9	3.6	7.1	16	34
5	.1	.2	.2	.5	1.1	2.3	6.4	17
10	.0	.0	.1	.2	.3	.8	3.9	11
20	.0	.0	.0	.1	.2	.6	1.7	8.0
50	.0	.0	.0	.0	.2	.5	1.4	7.4

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	12	15	21
June–Aug.	.3	.5	1.1
Sept.–Nov.	.0	.1	.2
Dec.–Feb.	2.9	3.6	4.6

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	4180	20	237	80	8.0
.9	3160	30	144	90	3.4
1.0	3020	40	87	95	1.3
2.0	1970	50	51	98	.45
5.0	898	60	29	99	.17
10	482	70	16	99.5	.10

03302220 BUCK CREEK NEAR NEW MIDDLETOWN, INDIANA

LOCATION—Lat 38°07′13″, long 86°05′16″, in SE1/4NE1/4 sec.32, T.4 S., R.4 E., Harrison County, Hydrologic Unit 05140104, on right bank at downstream side of bridge on State Highway 337 (revised), 0.6 mi downstream from South Fork Buck Creek, 3.6 mi southwest of New Middletown, and 14.6 mi upstream from mouth.

DRAINAGE AREA—65.2 mi^2, of which 28.1 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD— October 1969 to current year.

AVERAGE DISCHARGE— 76.3 ft^3/s.

MINIMUM DAILY DISCHARGE—0.52 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	1.7	1.9	2.1	2.6	3.8	5.9	11	19
5	1.0	1.1	1.3	1.5	2.0	2.9	5.6	11
10	.8	.8	.9	1.0	1.4	1.9	3.9	8.0
20	.6	.7	.7	.8	1.0	1.4	2.9	6.4
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	7.2	8.8	11
June–Aug.	1.2	1.3	1.6
Sept.–Nov.	.9	1.0	1.1
Dec.–Feb.	4.6	5.3	6.1

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1250	20	94	80	6.3
.9	858	30	62	90	3.6
1.0	816	40	41	95	2.2
2.0	534	50	28	98	1.4
5.0	281	60	18	99	.88
10	173	70	11	99.5	.68

03302300 LITTLE INDIAN CREEK NEAR GALENA, INDIANA

LOCATION—Lat 38°19′19″, long 85°55′53″, in NE1/4SW1/4 sec.23, T.2 S., R.5 E., Floyd County, Hydrologic Unit 05140104, on right bank at downstream side of county road bridge, 2 mi south of Galena, 3.6 mi upstream from mouth, and 7.0 mi northwest of New Albany.

DRAINAGE AREA—16.1 mi^2.

PERIOD OF RECORD— October 1968 to current year.

AVERAGE DISCHARGE— 22.7 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.1	0.1	0.1	0.2	0.3	0.6	2.3	4.2
5	.0	.0	.0	.0	.0	.2	.7	1.8
10	.0	.0	.0	.0	.0	.1	.3	1.1
20	.0	.0	.0	.0	.0	.0	.1	.4
50	.0	.0	.0	.0	.0	.0	.0	.2

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.6	1.1	1.6
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.5	.7	.8

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	504	20	25	80	.78
.9	351	30	16	90	.26
1.0	320	40	10	95	.07
2.0	192	50	6.2	98	.01
5.0	88	60	3.6	99	.00
10	47	70	1.9	99.5	.00

03302500 INDIAN CREEK NEAR CORYDON, INDIANA

LOCATION—Lat 38°16′35″, long 86°06′35″, in SW1/4SE1/4 sec.6, T.3 S., R.4 E., Harrison County, Hydrologic Unit 05140104, on upstream side of bridge on State Highway 335; 0.6 mi upstream from Raccoon Branch, 4.5 mi north of Corydon, and at mile 33.7.

DRAINAGE AREA—129 mi^2, of which 10.6 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD— October 1943 to September 1993 (discontinued).

AVERAGE DISCHARGE— 166 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.6	0.6	0.8	1.0	1.8	5.0	15	29
5	.0	.0	.1	.2	.4	1.3	5.0	14
10	.0	.0	.0	.0	.2	.6	2.6	9.2
20	.0	.0	.0	.0	.1	.4	1.5	6.7
50	.0	.0	.0	.0	.0	.2	.8	4.6

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	11	13	17
June–Aug.	.0	.1	.4
Sept.–Nov.	.0	.0	.1
Dec.–Feb.	2.3	2.7	4.0

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	3160	20	190	80	6.6
.9	2310	30	118	90	2.0
1.0	2150	40	73	95	.71
2.0	1330	50	44	98	.22
5.0	665	60	26	99	.01
10	373	70	14	99.5	.00

03302680 WEST FORK BLUE RIVER AT SALEM, INDIANA

LOCATION—Lat 38°36′19″, long 86°05′40″, in SW1/4SE1/4 sec.17, T.2 N., R.4 E., Washington County, Hydrologic Unit 05140104, on left bank at downstream side of bridge on East Market Street, 0.35 mi east of County Courthouse in Salem, 6.0 mi upstream from Hoggatt Branch, and 6.9 mi upstream from mouth.

DRAINAGE AREA—19.0 mi^2.

PERIOD OF RECORD— July 1970 to current year.

AVERAGE DISCHARGE— 24.4 ft^3/s.

MINIMUM DAILY DISCHARGE—0.01 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.1	0.1	0.2	0.3	0.5	1.3	3.7	7.0
5	.0	.0	.1	.1	.2	.4	1.4	3.6
10	.0	.0	.0	.1	.1	.2	.8	2.5
20	.0	.0	.0	.0	.1	.1	.6	1.8
50	.0	.0	.0	.0	.0	.1	.3	1.3

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	1.0	1.2	1.7
June–Aug.	.0	.0	.1
Sept.–Nov.	.0	.0	.1
Dec.–Feb.	1.1	1.3	1.5

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	452	20	28	80	1.5
.9	327	30	18	90	.50
1.0	311	40	12	95	.19
2.0	189	50	7.8	98	.09
5.0	95	60	4.8	99	.07
10	54	70	2.9	99.5	.05

03302800 BLUE RIVER AT FREDERICKSBURG, INDIANA

LOCATION—Lat 38°26′02″, long 86°11′31″, in NE1/4NW1/4 sec.16, T.1 S., R.3 E., Washington County, Hydrologic Unit 05140104, on downstream side of bridge on U.S. Highway 150 at Fredericksburg, 0.5 mi downstream from South Fork Blue River, and at mile 57.1.

DRAINAGE AREA—283 mi^2, of which 76.9 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD— June 1968 to current year.

AVERAGE DISCHARGE— 320 ft^3/s.

MINIMUM DAILY DISCHARGE—2.5 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	8.4	9.0	10	12	15	26	51	83
5	5.1	5.4	6.0	6.9	8.9	13	27	47
10	3.0	3.2	3.4	4.3	5.4	9.3	24	31
20	2.6	2.8	3.1	3.8	5.1	7.1	13	26
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	33	36	43
June–Aug.	5.2	6.0	7.8
Sept.–Nov.	4.3	4.8	5.8
Dec.–Feb.	16	18	18

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	4910	20	399	80	29
.9	3810	30	259	90	16
1.0	3620	40	177	95	11
2.0	2270	50	116	98	7.2
5.0	1210	60	75	99	5.7
10	737	70	48	99.5	4.6

03302849 WHISKEY RUN AT MARENGO, INDIANA

LOCATION—Lat 38°22′32″, long 86°20′41″, in SW1/4NW1/4 sec 6, T.2S., R.2E., Crawford County, Hydrologic Unit 05140104, on left (north) bank about 100 ft upstream from bridge and intersection of North Main Street and North Water Street in Marengo, known as Old Town.

DRAINAGE AREA— 7.02 mi^2.

PERIOD OF RECORD—October 1986 to 1993.

AVERAGE DISCHARGE— 5.27 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Only the $7Q_2$ and $7Q_{10}$ were calculated due to this site having less than 10 years of record; --, indicates that no flow characteristics were computed.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	--	--	0.0	--	--	--	--	--
5	--	--	--	--	--	--	--	--
10	--	--	.0	--	--	--	--	--
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
5	26	35	1.6	65	.15
10	11	40	.98	70	.10
15	6.7	45	.54	75	.04
20	4.5	50	.30	80	.02
25	3.3	55	.23	85	.01
30	2.5	60	.19	90	.01

03303000 BLUE RIVER NEAR WHITE CLOUD, INDIANA

LOCATION—Lat 38°14′15″, long 86°13′42″, in NW1/4SE1/4 sec.19, T.3 S., R.3 E., Harrison County, Hydrologic Unit 05140104, on left bank 400 ft downstream from Spring Creek, 600 ft upstream from bridge on Interstate 64, 0.2 mi upstream from bridge on State Highway 62, 0.8 mi north of White Cloud, and at mile 14.7.

DRAINAGE AREA—476 mi^2, of which 192 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD— April 1931 to current year.

AVERAGE DISCHARGE— 642 ft^3/s.

MINIMUM DAILY DISCHARGE—9.6 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	25	26	28	31	38	56	99	156
5	16	17	18	19	23	31	52	87
10	13	13	14	15	19	24	37	63
20	11	11	12	13	16	19	28	48
50	8.9	9.3	10	11	13	16	20	35

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	92	101	127
June–Aug.	23	25	29
Sept.–Nov.	13	14	15
Dec.–Feb.	29	33	40

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	9230	20	819	80	67
.9	7130	30	542	90	37
1.0	6780	40	372	95	27
2.0	4470	50	253	98	20
5.0	2420	60	164	99	16
10	1470	70	107	99.5	14

03303300 MIDDLE FORK ANDERSON RIVER AT BRISTOW, INDIANA

LOCATION—Lat 38°08′19″, long 86°43′16″, in NW1/4SE1/4 sec.27, T.4 S., R.3 W., Perry County, Hydrologic Unit 05140201, on left bank at downstream side of bridge on State Highway 145 at Bristow, 2.0 mi downstream from Coon Branch, 5.8 mi upstream from Sulphur Fork Creek, and at mile 14.1.

DRAINAGE AREA—39.8 mi^2.

PERIOD OF RECORD— August 1961 to current year.

AVERAGE DISCHARGE— 56.2 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Flow regulated by U.S. Forest Service and Middle Fork Anderson River Conservancy District control structures beginning June 1967.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.0	0.0	0.0	0.0	0.2	1.0	4.2	8.8
5	.0	.0	.0	.0	.0	.1	1.1	3.7
10	.0	.0	.0	.0	.0	.0	.3	1.7
20	.0	.0	.0	.0	.0	.0	.1	1.1
50	.0	.0	.0	.0	.0	.0	.1	.8

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	2.3	3.0	4.4
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.4	.5	1.2

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	752	20	67	80	1.5
.9	640	30	40	90	.23
1.0	612	40	25	95	.01
2.0	474	50	15	98	.00
5.0	291	60	8.2	99	.00
10	142	70	4.0	99.5	.00

03303400 CROOKED CREEK NEAR SANTA CLAUS, INDIANA

LOCATION—Lat 38°07′05″, long 86°53′24″, in SW1/4SE1/4 sec.31, T.4 S., R.4 W., Spencer County, Hydrologic Unit 05140201, on right bank at upstream side of bridge on county road, 1.3 mi east of Santa Claus Post Office, and 1.8 mi upstream from unnamed right-bank tributary.

DRAINAGE AREA—7.86 mi^2.

PERIOD OF RECORD— October 1969 to current year.

AVERAGE DISCHARGE— 10.7 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.0	0.0	0.0	0.0	0.0	0.2	1.0	2.0
5	.0	.0	.0	.0	.0	.0	.2	.7
10	.0	.0	.0	.0	.0	.0	.1	.4
20	.0	.0	.0	.0	.0	.0	.0	.2
50	.0	.0	.0	.0	.0	.0	.0	.1

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.1	0.2	0.3
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.0	.0	.1

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	239	20	10	80	.09
.9	179	30	5.4	90	.01
1.0	167	40	3.1	95	.00
2.0	106	50	1.7	98	.00
5.0	47	60	.81	99	.00
10	22	70	.33	99.5	.00

03322011 PIGEON CREEK NEAR FORT BRANCH, INDIANA

LOCATION—Lat 38°15′08″, long 87°31′11″, in NW1/4SW1/4 sec.15, T.3 S., R.10 W., Gibson County, Hydrologic Unit 05140202, on right bank 20 ft downstream from bridge on State Highway 168, 1.1 mi upstream from West Fork Pigeon Creek and 2.6 mi east of intersection of U.S. Highway 41 at Fort Branch.

DRAINAGE AREA— 35.4 mi^2.

PERIOD OF RECORD—October 1986 to current year.

AVERAGE DISCHARGE— 35.1 ft^3/s.

MINIMUM DAILY DISCHARGE—0.28 ft^3/s.

REMARKS— Only the $7Q_2$ and $7Q_{10}$ were calculated due to this site having less than 10 years of record; --, indicates that no flow characteristics were computed.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	--	--	1.2	--	--	--	--	--
5	--	--	--	--	--	--	--	--
10	--	--	.7	--	--	--	--	--
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
5	168	35	11	65	3.5
10	52	40	8.6	70	2.8
15	30	45	7.1	75	2.3
20	21	50	6.0	80	1.8
25	16	55	5.1	85	1.5
30	14	60	4.3	90	1.2

03322500 WABASH RIVER NEAR NEW CORYDON, INDIANA

LOCATION—Lat 40°33′50″, long 84°48′10″, in NE1/4SE1/4 sec. 3, T.24 N., R.15 E., Jay County, Hydrologic Unit 05120101, on left bank 10 ft downstream from county bridge on Indiana-Ohio State line road, 2 mi east of New Corydon, 2.8 mi downstream from Beaver Creek, and at mile 466.0.

DRAINAGE AREA—262 mi^2.

PERIOD OF RECORD— April 1951 to September 1988 (discontinued).

AVERAGE DISCHARGE— 200 ft^3/s.

MINIMUM DAILY DISCHARGE—0.80 ft^3/s.

REMARKS— Occasional regulation by Grand Lake, diversion from or into St. Marys River Basin, and into Miami and Erie Canals.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	4.9	5.4	5.9	6.3	7.3	10	19	35
5	2.7	3.0	3.3	3.8	4.8	6.1	9.0	16
10	1.9	2.1	2.3	3.0	4.1	4.9	6.4	10
20	.9	1.1	1.2	1.8	3.5	4.3	5.8	7.7
50	.7	.8	.9	1.6	3.1	3.8	4.7	5.8

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	10	12	14
June–Aug.	4.4	5.0	5.7
Sept.–Nov.	2.7	3.0	3.7
Dec.–Feb.	3.5	3.8	4.6

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	3110	20	259	80	11
.9	2480	30	146	90	7.3
1.0	2360	40	82	95	5.7
2.0	1720	50	47	98	4.3
5.0	910	60	27	99	3.6
10	478	70	16	99.5	3.0

03322900 WABASH RIVER AT LINN GROVE, INDIANA

LOCATION—Lat 40°39′22″, long 85°01′58″, in SE1/4SE1/4 sec.34, T.26 N., R.13 E., Adams County, Hydrologic Unit 05120101, on right bank 10 ft downstream from bridge on State Highway 218; 800 ft downstream from Shoemaker Ditch, 0.8 mi north of Linn Grove, and 2.2 mi upstream from Rice Ditch.

DRAINAGE AREA—453 mi^2.

PERIOD OF RECORD— September 1964 to current year.

AVERAGE DISCHARGE— 394 ft^3/s.

MINIMUM DAILY DISCHARGE—4.3 ft^3/s.

REMARKS— Occasional regulation by Grand Lake, diversion from or into St. Marys River Basin, and into Miami and Erie Canals.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	9.6	9.8	11	11	13	21	44	88
5	6.2	6.3	6.7	7.2	7.8	10	18	36
10	5.1	5.3	5.6	6.1	6.7	7.5	12	22
20	4.5	4.7	5.0	5.5	6.1	6.2	11	15
50	4.1	4.2	4.4	5.0	5.7	5.7	8.7	9.2

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	23	25	29
June–Aug.	6.7	7.2	7.8
Sept.–Nov.	5.6	6.0	6.1
Dec.–Feb.	11	12	13

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	4650	20	508	80	21
.9	3860	30	297	90	12
1.0	3710	40	192	95	8.9
2.0	2860	50	118	98	7.0
5.0	1880	60	68	99	6.2
10	1150	70	38	99.5	5.7

03323000 WABASH RIVER AT BLUFFTON, INDIANA

LOCATION—Lat 40°44′30″, long 85°10′19″, in NW1/4NE1/4 sec.4, T.26 N., R.12 E., Wells County, Hydrologic Unit 05120101, on downstream side of left abutment of Main Street (State Highway 1) bridge in Bluffton, 2 mi downstream from Sixmile Creek, and at mile 434.5.

DRAINAGE AREA—532 $mi^{2.}$

PERIOD OF RECORD— October 1930 to September 1971 (discharge). October 1987 to current year (stage only).

AVERAGE DISCHARGE— 387 $ft^{3/}s$.

MINIMUM DAILY DISCHARGE— 4.0 $ft^{3/}s$.

REMARKS— Occasional regulation by Grand Lake, diversion from or into St. Marys River Basin, and into Miami and Erie Canals.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	8.2	8.5	9.1	10	12	18	33	56
5	5.6	5.8	6.2	6.7	7.8	10	16	26
10	4.6	4.8	5.1	5.6	6.5	7.9	11	17
20	4.0	4.1	4.4	4.9	5.8	6.6	8.1	13
50	3.4	3.5	3.8	4.2	5.1	5.5	5.9	9.1

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	20	25	30
June–Aug.	6.5	7.0	7.9
Sept.–Nov.	5.0	5.3	5.7
Dec.–Feb.	7.5	7.8	9.3

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	5050	20	433	80	18
.9	4270	30	233	90	12
1.0	4090	40	130	95	8.8
2.0	3250	50	77	98	7.0
5.0	2080	60	47	99	6.3
10	1180	70	28	99.5	5.5

03323500 WABASH RIVER AT HUNTINGTON, INDIANA

LOCATION—Lat 40°51′20″, long 85°29′53″, in SW1/4NE1/4 sec.27, T.28 N., R.9 E., Huntington County, Hydrologic Unit 05120101, on right bank at the Huntington Water and Light Plant, 2 mi south of Huntington, 2.4 mi downstream from Huntington Lake, 3.2 mi upstream from Little River, and at mile 409.0.

DRAINAGE AREA—721 mi^2.

PERIOD OF RECORD— January 1951 to current year.

AVERAGE DISCHARGE— 609 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Flow regulated by Huntington Lake. Low-flow statistics are calculated for the regulated period, 1969 to 1993. Daily discharge computed from relation among discharge, head, and gate openings for Huntington Lake beginning Oct. 1, 1974.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	20	22	27	32	40	73	114	180
5	10	15	18	21	25	40	61	97
10	6.6	13	16	17	21	30	46	71
20	3.0	12	14	15	18	25	37	55
50	.0	11	13	13	16	20	29	42

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	19	21	28
June–Aug.	15	18	21
Sept.–Nov.	16	21	25
Dec.–Feb.	33	35	39

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	4890	20	957	80	68
.9	4640	30	484	90	37
1.0	4580	40	301	95	26
2.0	3970	50	209	98	21
5.0	3060	60	140	99	17
10	2070	70	95	99.5	15

03324000 LITTLE RIVER NEAR HUNTINGTON, INDIANA

LOCATION—Lat 40°54′14″, long 85°24′22″, in NE1/4NW1/4 sec.9, T.28 N., R.10 E., Huntington County, Hydrologic Unit 05120101, on right bank on upstream side of former highway bridge, 5 mi east of Huntington, and at mile 7.5.

DRAINAGE AREA—263 mi^2.

PERIOD OF RECORD— October 1943 to current year. Prior to January 1944, monthly discharge only.

AVERAGE DISCHARGE— 236 ft^3/s.

MINIMUM DAILY DISCHARGE—1.1 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	11	11	12	13	15	20	36	58
5	5.5	5.9	6.5	7.3	8.7	11	17	27
10	3.6	3.9	4.4	5.2	6.3	7.9	12	17
20	2.4	2.7	3.2	3.8	4.8	6.2	8.4	11
50	1.5	1.7	2.1	2.7	3.5	4.8	5.7	6.9

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	25	28	33
June–Aug.	6.1	7.0	8.8
Sept.–Nov.	3.9	4.4	5.0
Dec.–Feb.	9.9	11	13

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	3220	20	253	80	22
.9	2770	30	145	90	14
1.0	2660	40	96	95	9.3
2.0	2070	50	67	98	6.9
5.0	1180	60	46	99	5.7
10	598	70	31	99.5	4.7

03324200 SALAMONIE RIVER AT PORTLAND, INDIANA

LOCATION—Lat 40°25′40″, long 85°02′20″, in NE1/4SE1/4 sec.23, T.23 N., R.13 E., Jay County, Hydrologic Unit 05120102, on right bank at downstream side of county road bridge, 2.3 mi downstream from Butternut Creek, 3.2 mi west of Portland, 3.7 mi downstream from Little Salamonie River, and at mile 70.5.

DRAINAGE AREA—85.6 mi^2.

PERIOD OF RECORD— September 1959 to current year.

AVERAGE DISCHARGE— 75.3 ft^3/s.

MINIMUM DAILY DISCHARGE—0.40 ft^3/s.

REMARKS— Natural flow partially affected by sewage effluent.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	1.3	1.6	1.9	2.3	2.6	3.8	7.1	14
5	.8	1.0	1.2	1.5	1.7	2.0	3.1	5.7
10	.6	.8	1.0	1.2	1.4	1.6	2.2	3.7
20	.5	.6	.8	1.1	1.2	1.3	1.7	2.6
50	.4	.5	.7	.9	1.1	1.1	1.3	1.8

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	3.8	4.5	5.1
June–Aug.	1.1	1.4	1.7
Sept.–Nov.	.8	1.1	1.3
Dec.–Feb.	2.0	2.2	2.5

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1620	20	61	80	3.5
.9	1260	30	32	90	2.3
1.0	1200	40	20	95	1.8
2.0	817	50	13	98	1.4
5.0	356	60	8.1	99	1.2
10	156	70	5.3	99.5	.95

03324300 SALAMONIE RIVER NEAR WARREN, INDIANA

LOCATION—Lat 40°42′45″, long 85°27′13″, in SE1/4SE1/4 sec.12, T.26 N., R.9 E., Huntington County, Hydrologic Unit 05120102, on right bank at downstream side of bridge on County Road 800 South, 0.4 mi downstream from Detamore Ditch, 0.4 mi downstream from Interstate 69; 0.8 mi upstream from concrete and stone dam, 2.4 mi northwest of Warren, and at mile 30.0.

DRAINAGE AREA—425 mi^2.

PERIOD OF RECORD— March 1957 to current year.

AVERAGE DISCHARGE— 396 ft^3/s.

MINIMUM DAILY DISCHARGE—5.1 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	12	13	15	17	20	28	53	91
5	7.8	8.4	9.5	11	12	15	24	39
10	6.3	6.8	7.6	8.5	9.5	11	16	24
20	5.4	5.8	6.4	7.1	7.9	9.4	12	16
50	4.5	4.9	5.3	5.8	6.5	7.7	8.5	10

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	30	39	45
June–Aug.	9.1	10	12
Sept.–Nov.	7.5	8.4	9.1
Dec.–Feb.	14	15	17

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	5950	20	385	80	30
.9	4940	30	209	90	18
1.0	4780	40	135	95	13
2.0	3630	50	94	98	10
5.0	2130	60	67	99	8.5
10	985	70	48	99.5	7.2

03324500 SALAMONIE RIVER AT DORA, INDIANA

LOCATION—Lat 40°48′42″, long 85°41′02″, in NE1/4NE1/4 sec.12, T.27 N., R.7 E., Wabash County, Hydrologic Unit 05120102, on right bank, 0.4 mi downstream from Salamonie Lake, 1.5 mi northwest of Dora, and 3.0 mi upstream from mouth.

DRAINAGE AREA—557 mi^2.

PERIOD OF RECORD— November 1923 to current year.

AVERAGE DISCHARGE— 517 ft^3/s.

MINIMUM DAILY DISCHARGE—0.70 ft^3/s.

REMARKS— Flow regulated by Salamonie Lake since April 1967. Low-flow statistics are calculated for the regulated period 1967 to 1993 and include periods of extreme regulation.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	21	22	23	24	30	68	185	255
5	9.8	16	17	18	20	33	86	156
10	4.8	13	14	15	17	23	54	119
20	2.3	11	11	13	15	17	36	95
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	14	14	17
June–Aug.	15	16	18
Sept.–Nov.	15	17	21
Dec.–Feb.	32	45	57

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	5180	20	766	80	45
.9	4580	30	488	90	28
1.0	4490	40	353	95	24
2.0	3590	50	229	98	17
5.0	2530	60	140	99	15
10	1560	70	89	99.5	12

03325000 WABASH RIVER AT WABASH, INDIANA

LOCATION—Lat 40°47′25″, long 85°49′13″, in SE1/4NW1/4 sec.14, T.27 N., R.6 E., Wabash County, Hydrologic Unit 05120101, on right bank on upstream side of Wabash Street bridge in Wabash, 7.1 mi downstream from Salamonie River, and at mile 387.2.

DRAINAGE AREA—1,768 mi^2.

PERIOD OF RECORD— August 1923 to current year.

AVERAGE DISCHARGE— 1,822 ft^3/s.

MINIMUM DAILY DISCHARGE—48 ft^3/s.

REMARKS— Flow regulated by Huntington Lake and Salamonie Lake. Low-flow statistics are calculated for the regulated period, 1969 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	85	90	101	120	150	265	453	652
5	63	66	71	77	91	143	255	400
10	55	57	61	62	72	104	190	308
20	47	48	53	53	61	80	120	195
50	40	41	48	48	52	60	95	165

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	131	139	156
June–Aug.	61	66	70
Sept.–Nov.	61	81	109
Dec.–Feb.	143	152	159

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	9340	20	3200	80	278
.9	8440	30	1720	90	157
1.0	8340	40	1030	95	105
2.0	7350	50	715	98	80
5.0	5970	60	545	99	71
10	4820	70	416	99.5	63

03325311 LITTLE MISSISSINEWA RIVER AT UNION CITY, INDIANA

LOCATION—Lat 40°11′46″, long 84°49′45″, in SE1/4SE1/4 sec.26, T.18 N., R.1 W., Randolph County, Hydrologic Unit 05120103, on right bank 85 ft downstream from Westinghouse Road, 0.5 mi downstream from Little Ditch, 0.8 mi upstream from City Drain, and 1.2 mi west of the Post Office in Union City.

DRAINAGE AREA—9.67 mi^2.

PERIOD OF RECORD— October 1982 to current year.

AVERAGE DISCHARGE— 10.0 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.0	0.1	0.1	0.1	0.1	0.2	0.9	2.2
5	.0	.0	.0	.0	.0	.0	.2	.7
10	.0	.0	.0	.0	.0	.0	.1	.3
20	.0	.0	.0	.0	.0	.0	.0	.2
50	.0	.0	.0	.0	.0	.0	.0	.1

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.6	0.7	0.8
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.3	.4	.4

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	136	20	12	80	.40
.9	111	30	6.5	90	.08
1.0	107	40	4.3	95	.03
2.0	83	50	2.9	98	.00
5.0	49	60	2.0	99	.00
10	28	70	1.2	99.5	.00

03325500 MISSISSINEWA RIVER NEAR RIDGEVILLE, INDIANA

LOCATION—Lat 40°16′49″, long 84°59′44″, in SE1/4SE1/4 sec.7, T.21 N., R.14 E., Randolph County, Hydrologic Unit 05120103, on right bank 30 ft downstream from county road bridge, 0.8 mi downstream from Mud Creek, 2 mi east of Ridgeville, and at mile 99.5.

DRAINAGE AREA—133 mi^2.

PERIOD OF RECORD— August 1946 to current year.

AVERAGE DISCHARGE— 131 ft^3/s.

MINIMUM DAILY DISCHARGE—0.10 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	2.9	3.2	3.5	3.8	4.4	6.2	12	24
5	1.4	1.6	1.8	2.0	2.4	3.1	5.2	10
10	1.0	1.1	1.2	1.5	1.8	2.3	3.6	4.9
20	.7	.8	.9	1.1	1.5	1.9	2.8	4.1
50	.3	.3	.3	.5	.9	1.6	2.5	4.0

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	12	13	15
June–Aug.	1.8	2.0	2.4
Sept.–Nov.	1.1	1.3	1.6
Dec.–Feb.	2.8	3.2	4.2

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2530	20	125	80	6.8
.9	1930	30	71	90	3.9
1.0	1830	40	46	95	2.7
2.0	1250	50	30	98	1.9
5.0	591	60	20	99	1.5
10	282	70	12	99.5	1.2

03326000 MISSISSINEWA RIVER NEAR EATON, INDIANA

LOCATION—Lat 40°19′08″, long 85°19′10″, in NW1/4NE1/4 sec.31, T.22 N., R.11 E., Delaware County, on right bank at downstream side of bridge, 1.5 miles upstream from Estey Creek, and 2.5 miles southeast of Eaton.

DRAINAGE AREA—310 mi^2.

PERIOD OF RECORD— March 1952 to September 1971 (discontinued).

AVERAGE DISCHARGE— 266 ft^3/s.

MINIMUM DAILY DISCHARGE—2.0 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	5.6	5.9	6.6	7.3	8.9	12	23	44
5	3.2	3.3	3.8	4.3	5.0	6.4	10	20
10	2.4	2.6	2.9	3.3	3.7	4.9	7.1	13
20	2.0	2.1	2.3	2.7	3.0	4.1	5.3	9.1
50	1.6	1.7	1.9	2.1	2.3	3.4	3.9	6.2

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	30	32	35
June–Aug.	4.5	5.0	5.8
Sept.–Nov.	2.6	3.0	3.3
Dec.–Feb.	8.8	10	13

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	4690	20	253	80	15
.9	3770	30	138	90	9.1
1.0	3590	40	86	95	6.5
2.0	2480	50	59	98	4.8
5.0	1320	60	39	99	3.6
10	592	70	25	99.5	2.9

03326070 BIG LICK CREEK NEAR HARTFORD CITY, INDIANA

LOCATION—Lat 40°25′20″, long 85°21′04″, in SE1/4SE1/4 sec.23, T.23 N., R.10 E., Blackford County, Hydrologic Unit 05120103, on right bank 6 ft downstream from bridge on County Road 100 East, and 2.0 mi southeast of Hartford City.

DRAINAGE AREA—29.2 mi^2.

PERIOD OF RECORD— July 1971 to current year.

AVERAGE DISCHARGE— 28.9 ft^3/s.

MINIMUM DAILY DISCHARGE—0.19 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.8	0.9	1.0	1.2	1.5	2.3	4.1	7.5
5	.5	.5	.6	.8	.9	1.1	1.8	3.4
10	.4	.4	.5	.6	.7	.8	1.2	2.2
20	.3	.3	.4	.5	.6	.6	.9	1.6
50	.2	.2	.3	.4	.5	.5	.6	1.1

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	1.8	2.2	2.6
June–Aug.	.6	.7	.9
Sept.–Nov.	.4	.5	.6
Dec.–Feb.	1.1	1.3	1.5

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	501	20	27	80	2.2
.9	414	30	15	90	1.3
1.0	395	40	9.2	95	.89
2.0	272	50	6.1	98	.66
5.0	140	60	4.4	99	.55
10	69	70	3.2	99.5	.46

03326500 MISSISSINEWA RIVER AT MARION, INDIANA

LOCATION—Lat 40°34′34″, long 85°39′34″, in SE1/4NE1/4 sec.31, T.25 N., R.8 E., Grant County, Hydrologic Unit 05120103, on left bank 12 ft downstream from Highland Avenue bridge in Marion, 0.1 mi downstream from old mill dam, 1.0 mi upstream from Hummel Creek, 4.6 mi downstream from Lugar Creek, and at mile 35.8.

DRAINAGE AREA—682 mi^2.

PERIOD OF RECORD— September 1923 to current year.

AVERAGE DISCHARGE— 632 ft^3/s.

MINIMUM DAILY DISCHARGE— 3.4 ft^3/s.

REMARKS— Flow periodically regulated by dam 0.1 mile above station.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	18	30	38	43	50	64	101	153
5	9.0	16	24	30	34	40	55	80
10	6.2	11	19	25	29	33	42	58
20	4.5	7.8	15	21	26	29	34	45
50	3.2	5.1	12	18	23	25	27	35

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	69	85	96
June–Aug.	18	26	32
Sept.–Nov.	13	21	26
Dec.–Feb.	40	42	46

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	9370	20	688	80	68
.9	7390	30	415	90	48
1.0	7100	40	286	95	38
2.0	5040	50	200	98	29
5.0	2850	60	140	99	24
10	1520	70	98	99.5	19

03327000 MISSISSINEWA RIVER AT PEORIA, INDIANA

LOCATION—Lat 40°43′24″, long 85°57′27″, in SW1/4SW1/4 sec.3, T.26 N., R.5 E., Miami County, Hydrologic Unit 05120103, on right bank at Peoria, 0.6 mi downstream from Mississinewa Lake, 6.5 mi southeast of Peru, and 6.7 mi upstream from mouth.

DRAINAGE AREA—808 mi^2.

PERIOD OF RECORD— October 1952 to current year.

AVERAGE DISCHARGE— 738 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Flow regulated by Mississinewa Lake since April 1968. Low-flow statistics are calculated for the regulated period, 1968 to 1993. Records of daily discharge provided by U.S. Army Corps of Engineers beginning Oct. 1, 1976.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	34	34	38	47	82	150	270	373
5	17	23	25	27	32	77	150	219
10	7.6	18	18	18	16	54	108	163
20	.0	.0	.0	.0	4.5	40	80	126
50	.0	.0	.0	.0	.0	28	57	94

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	23	24	26
June–Aug.	33	39	44
Sept.–Nov.	26	26	35
Dec.–Feb.	58	72	98

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	5790	20	1100	80	123
.9	5420	30	679	90	68
1.0	5320	40	491	95	44
2.0	4620	50	367	98	30
5.0	3450	60	265	99	23
10	2120	70	186	99.5	5.0

03327500 WABASH RIVER AT PERU, INDIANA

LOCATION—Lat 40°44′35″, long 86°05′45″, in SE1/4NE1/4 sec.32, T.27 N., R.4 E., Miami County, Hydrologic Unit 05120101, on right bank at upstream side of bridge on U.S. Highway 31; 0.5 mi southwest of Peru, 4.4 mi downstream from Mississinewa River, and at mile 370.5.

DRAINAGE AREA—2,686 mi^2.

PERIOD OF RECORD— August 1943 to current year.

AVERAGE DISCHARGE— 2,443 ft^3/s.

MINIMUM DAILY DISCHARGE— 72 ft^3/s.

REMARKS— Flow regulated by Huntington Lake, Salamonie Lake and Mississinewa Lake. Low-flow statistics are calculated for the regulated period, 1969 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	204	210	226	267	325	503	808	1120
5	145	151	166	185	212	291	486	714
10	122	128	145	157	176	223	379	568
20	106	112	131	138	153	181	311	471
50	91	97	118	121	134	144	251	382

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	248	259	287
June–Aug.	137	159	174
Sept.–Nov.	143	170	231
Dec.–Feb.	277	293	307

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	13600	20	4680	80	519
.9	12600	30	2800	90	329
1.0	12400	40	1770	95	238
2.0	11000	50	1300	98	186
5.0	9110	60	980	99	164
10	7270	70	734	99.5	145

03327520 PIPE CREEK NEAR BUNKER HILL, INDIANA

LOCATION—Lat 40°40′06″, long 86°05′44″, in NE1/4SE1/4 sec.29, T.26 N., R.4 E., Miami County, Hydrologic Unit 05120101, on right bank 150 ft downstream from bridge on County Road 125 West, 0.5 mi northeast of Bunker Hill, and at mile 11.4.

DRAINAGE AREA—159 mi^2.

PERIOD OF RECORD— May 1968 to current year.

AVERAGE DISCHARGE— 153 ft^3/s.

MINIMUM DAILY DISCHARGE— 3.3 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	8.4	8.7	9.1	10	12	17	28	46
5	5.6	5.8	6.1	6.6	7.5	8.9	14	25
10	4.5	4.6	4.9	5.3	5.9	6.6	9.8	17
20	3.7	3.8	4.1	4.4	4.9	5.3	7.4	13
50	3.0	3.1	3.3	3.6	4.0	4.2	5.5	9.2

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	26	27	31
June–Aug.	5.8	6.7	7.8
Sept.–Nov.	5.0	5.4	5.8
Dec.–Feb.	11	12	13

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1970	20	182	80	19
.9	1570	30	114	90	12
1.0	1510	40	79	95	8.4
2.0	1150	50	58	98	6.2
5.0	664	60	43	99	4.9
10	375	70	30	99.5	4.1

03328000 EEL RIVER AT NORTH MANCHESTER, INDIANA

LOCATION—Lat 40°59′55″, long 85°45′50″, in NE1/4NE1/4 sec.5, T.29 N., R.7 E., Wabash County, Hydrologic Unit 05120104, on right bank 200 ft downstream from Main Street bridge in North Manchester, 1.3 mi upstream from Pony Creek, and at mile 52.7.

DRAINAGE AREA—417 mi^2, includes that of Pony Creek.

PERIOD OF RECORD— October 1929 to current year. Prior to April 1930, monthly discharge only.

AVERAGE DISCHARGE— 376 ft^3/s.

MINIMUM DAILY DISCHARGE—16 ft^3/s.

REMARKS— Records include flow of Pony Creek.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	54	56	59	62	69	81	104	138
5	37	41	44	47	52	59	71	90
10	29	34	37	40	44	50	59	72
20	24	29	32	35	39	44	51	60
50	18	24	27	30	34	38	44	49

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	82	90	105
June–Aug.	39	42	45
Sept.–Nov.	37	40	44
Dec.–Feb.	51	54	58

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	3590	20	480	80	82
.9	2980	30	315	90	65
1.0	2910	40	230	95	55
2.0	2330	50	174	98	45
5.0	1520	60	134	99	39
10	905	70	105	99.5	35

03328430 WEESAU CREEK NEAR DEEDSVILLE, INDIANA

LOCATION—Lat 40°54′34″, long 86°07′36″, in NW1/4NW1/4 sec.6, T.28 N., R.4 E., Miami County, Hydrologic Unit 05120104, on left bank 100 ft downstream from bridge on County Road 1000 North, and 1.5 mi west of Deedsville.

DRAINAGE AREA—8.87 mi^2.

PERIOD OF RECORD— October 1970 to current year.

AVERAGE DISCHARGE— 10.8 ft^3/s.

MINIMUM DAILY DISCHARGE—0.26 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.7	0.7	0.8	0.8	1.0	1.3	2.2	3.3
5	.5	.5	.5	.5	.6	.7	1.1	1.8
10	.4	.4	.4	.4	.5	.6	.8	1.3
20	.3	.3	.3	.4	.4	.5	.6	1.0
50	.2	.2	.3	.3	.3	.4	.5	.8

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	2.0	2.1	2.4
June–Aug.	.6	.6	.6
Sept.–Nov.	.4	.4	.5
Dec.–Feb.	.8	.8	.9

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	131	20	14	80	1.5
.9	107	30	8.6	90	1.0
1.0	101	40	6.1	95	.78
2.0	74	50	4.6	98	.55
5.0	46	60	3.3	99	.42
10	26	70	2.3	99.5	.33

03328500 EEL RIVER NEAR LOGANSPORT, INDIANA

LOCATION—Lat 40°46′55″, long 86°l5′50″, in NE1/4SE1/4 sec.14, T.27 N., R.2 E., Cass County, Hydrologic Unit 05120104, on right bank at downstream side of bridge on Adamsboro Road, 5.5 mi northeast of Logansport, and 7.4 mi upstream from mouth.

DRAINAGE AREA—789 mi^2.

PERIOD OF RECORD— July 1943 to current year.

AVERAGE DISCHARGE— 765 ft^3/s.

MINIMUM DAILY DISCHARGE— 70 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	138	141	145	152	166	188	245	321
5	108	111	114	118	128	138	166	209
10	94	97	100	104	113	119	136	167
20	83	87	90	94	102	106	115	138
50	72	76	79	85	92	94	96	111

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	202	225	259
June–Aug.	115	119	125
Sept.–Nov.	103	105	107
Dec.–Feb.	118	122	131

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	6750	20	1000	80	194
.9	5740	30	683	90	151
1.0	5560	40	516	95	127
2.0	4250	50	403	98	112
5.0	2830	60	312	99	102
10	1770	70	244	99.5	95

03329000 WABASH RIVER AT LOGANSPORT, INDIANA

LOCATION—Lat 40°44′47″, long 86°22′39″, in SW1/4NE1/4 sec.35, T.27 N., R.1 E., Cass County, Hydrologic Unit 05120105, on left bank 150 ft downstream from Cicott Street bridge in Logansport, 1,000 ft downstream from Eel River, and at mile 353.7.

DRAINAGE AREA—3,779 mi^2.

PERIOD OF RECORD— May 1923 to current year.

AVERAGE DISCHARGE— 3,388 ft^3/s.

MINIMUM DAILY DISCHARGE— 135 ft^3/s.

REMARKS— Flow partially regulated by Huntington Lake, Salamonie Lake, and Mississinewa Lake. Low-flow statistics are calculated for the regulated period, 1969 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	413	425	459	519	593	824	1170	1610
5	315	321	341	376	412	531	761	1060
10	272	278	294	320	351	430	623	861
20	241	247	260	280	312	364	535	724
50	211	218	228	243	277	305	456	597

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	600	619	668
June–Aug.	298	319	348
Sept.–Nov.	303	342	433
Dec.–Feb.	504	515	538

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	20800	20	6570	80	893
.9	18500	30	3990	90	638
1.0	18200	40	2550	95	477
2.0	15600	50	1840	98	373
5.0	12600	60	1440	99	330
10	9830	70	1150	99.5	302

03329400 RATTLESNAKE CREEK NEAR PATTON, INDIANA

LOCATION—Lat 40°42′46″, long 86°4l′49″, in NW1/4SW1/4 sec.7, T.26 N., R.2 W., Carroll County, Hydrologic Unit 05120105, on left bank 5 ft downstream from bridge on County Road 900 West, and 2.5 mi northeast of Patton.

DRAINAGE AREA—6.83 mi^2.

PERIOD OF RECORD— October 1968 to September 1993 (discontinued).

AVERAGE DISCHARGE— 7.0 ft^3/s.

MINIMUM DAILY DISCHARGE—0.06 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.4	0.4	0.4	0.5	0.6	0.8	1.3	2.3
5	.2	.2	.2	.2	.2	.3	.6	1.0
10	.1	.1	.1	.1	.1	.2	.4	.6
20	.1	.1	.1	.1	.1	.1	.3	.4
50	.0	.0	.0	.0	.0	.1	.2	.3

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	1.3	1.4	1.6
June–Aug.	.2	.2	.2
Sept.–Nov.	.1	.1	.2
Dec.–Feb.	.4	.4	.4

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	81	20	8.6	80	1.0
.9	67	30	5.9	90	.55
1.0	64	40	4.2	95	.33
2.0	47	50	3.1	98	.18
5.0	28	60	2.2	99	.11
10	17	70	1.6	99.5	.08

03329500 WABASH RIVER AT DELPHI, INDIANA

LOCATION—Lat 40°35′26″, long 86°4l′54″, in SE1/4SE1/4 sec.24, T.25 N., R.3 W., Carroll County, on downstream side of second pier from left abutment of highway bridge, 1 mi west of Delphi, 1.6 mi upstream from Deer Creek, 8.6 mi upstream from Tippecanoe River, and at mile 330.8.

DRAINAGE AREA—4,072 mi^2.

PERIOD OF RECORD— October 1939 to September 1971 (discontinued).

AVERAGE DISCHARGE— 3,324 ft^3/s.

MINIMUM DAILY DISCHARGE— 158 ft^3/s.

REMARKS— Flow partially regulated by Huntington Reservoir, Salamonie Reservoir, and Mississinewa Reservoir.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	344	353	366	386	437	528	741	992
5	246	253	261	272	298	334	434	576
10	206	211	218	225	244	264	331	433
20	177	182	186	192	206	219	266	343
50	149	153	156	160	171	177	209	263

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	595	665	781
June–Aug.	269	286	307
Sept.–Nov.	215	220	227
Dec.–Feb.	309	323	353

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	35500	20	4390	80	552
.9	30400	30	2730	90	409
1.0	29300	40	1910	95	332
2.0	22100	50	1410	98	272
5.0	13800	60	1020	99	227
10	8650	70	753	99.5	193

03329700 DEER CREEK NEAR DELPHI, INDIANA

LOCATION—Lat 40°35′25″, long 86°37′l5″, in NE1/4NE1/4 sec.27, T.25 N., R.2 W., Carroll County, Hydrologic Unit 05120105, on downstream side of left wingwall of county road bridge, 2.6 mi northeast of Delphi Post Office, and 4.8 mi upstream from mouth.

DRAINAGE AREA—274 mi^2.

PERIOD OF RECORD— October 1943 to current year.

AVERAGE DISCHARGE— 250 ft^3/s.

MINIMUM DAILY DISCHARGE—6.2 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	22	22	23	25	29	35	54	75
5	14	14	15	16	18	22	30	41
10	11	11	12	12	14	17	22	30
20	8.9	8.9	9.2	9.7	12	14	19	23
50	6.8	6.8	7.1	7.4	9.1	11	18	21

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	48	54	59
June–Aug.	15	16	18
Sept.–Nov.	11	12	12
Dec.–Feb.	24	25	28

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	3060	20	311	80	40
.9	2420	30	204	90	28
1.0	2330	40	143	95	21
2.0	1710	50	104	98	16
5.0	971	60	77	99	13
10	572	70	55	99.5	11

03330241 TIPPECANOE RIVER AT NORTH WEBSTER, INDIANA

LOCATION—Lat 41°18′58″, long 85°41′32″, in SE1/4NE1/4 sec.15, T.33 N., R.7 E., Kosciusko County, Hydrologic Unit 05120106, on right upstream corner of State Road 13 bridge, at the intersection of State Road 13 and County Road 550 North, and 0.4 mi southeast of North Webster.

DRAINAGE AREA— 49.3 mi^2.

PERIOD OF RECORD—May 1986 to current year.

AVERAGE DISCHARGE— 50.7 ft^3/s.

MINIMUM DAILY DISCHARGE—0.06 ft^3/s.

REMARKS— Only the $7Q_2$ and $7Q_{10}$ were calculated due to this site having less than 10 years of record; --, indicates that no flow characteristics were computed. Flow regulated at times by dams at Webster Lake, 0.25 mi upstream.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	--	--	3.6	--	--	--	--	--
5	--	--	--	--	--	--	--	--
10	--	--	.8	--	--	--	--	--
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
5	150	35	54	65	21
10	117	40	46	70	19
15	96	45	40	75	16
20	80	50	34	80	13
25	71	55	29	85	10
30	62	60	25	90	7.7

03330500 TIPPECANOE RIVER AT OSWEGO, INDIANA

LOCATION—Lat 41°19′14″, long 85°47′21″, in NE1/4NE1/4 sec.14, T.33 N., R.6 E., Kosciusko County, Hydrologic Unit 05120106, on left bank 25 ft downstream from dam at Tippecanoe Lake Outlet in Oswego, 3 mi east of Leesburg, and at mile 158.9.

DRAINAGE AREA—113 mi^2.

PERIOD OF RECORD— October 1949 to current year.

AVERAGE DISCHARGE— 106 ft^3/s.

MINIMUM DAILY DISCHARGE—0.08 ft^3/s.

REMARKS— Periodic regulation by gates at Tippecanoe Lake outlet.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	8.9	9.9	11	14	19	26	32	46
5	2.8	3.3	4.0	5.5	8.0	11	18	28
10	1.3	1.5	2.2	3.0	4.3	5.9	14	21
20	.8	1.4	1.6	2.4	3.5	4.4	10	16
50	.1	.1	.3	.3	.4	.4	7.8	12

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	12	18	29
June–Aug.	2.7	3.8	5.5
Sept.–Nov.	2.2	2.7	3.4
Dec.–Feb.	16	20	22

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	565	20	170	80	27
.9	495	30	131	90	16
1.0	483	40	101	95	9.7
2.0	391	50	77	98	5.3
5.0	298	60	57	99	3.4
10	238	70	40	99.5	1.8

03331110 WALNUT CREEK NEAR WARSAW, INDIANA

LOCATION—Lat 41°12′17″, long 85°52′11″, in NW1/4NE1/4 sec.30, T.32 N., R.6 E., Kosciusko County, Hydrologic Unit 05120106, on left bank 10 ft upstream from bridge on County Road 200 South, 0.3 mile downstream from small right-bank tributary, and 2.5 miles south of Court House in Warsaw.

DRAINAGE AREA—19.6 mi^2.

PERIOD OF RECORD— October 1969 to current year.

AVERAGE DISCHARGE— 18.1 ft^3/s.

MINIMUM DAILY DISCHARGE—0.40 ft^3/s.

REMARKS— Flow occasionally regulated by lakes upstream.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	1.1	1.2	1.2	1.4	1.7	2.4	3.8	6.1
5	.6	.7	.7	.8	1.0	1.3	2.0	3.4
10	.5	.5	.6	.6	.8	1.0	1.4	2.4
20	.4	.4	.4	.5	.7	.8	1.1	1.8
50	.3	.3	.3	.4	.5	.6	.8	1.3

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	3.2	3.7	4.9
June–Aug.	.8	.8	1.0
Sept.–Nov.	.5	.6	.6
Dec.–Feb.	2.1	2.2	2.4

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	154	20	28	80	3.0
.9	116	30	20	90	1.8
1.0	110	40	15	95	1.2
2.0	86	50	11	98	.86
5.0	61	60	7.5	99	.75
10	43	70	4.9	99.5	.63

03331500 TIPPECANOE RIVER NEAR ORA, INDIANA

LOCATION—Lat 41°09′26″, long 86°33′49″, in SE1/4SE1/4 sec.6, T.31 N., R.1 W., Pulaski County, Hydrologic Unit 05120106, on right bank at downstream side of bridge on County Road 700 East, 1.0 mi upstream from Bartee Ditch, 1.3 mi southwest of Ora, and at mile 78.5.

DRAINAGE AREA—856 mi^2.

PERIOD OF RECORD— September 1943 to current year.

AVERAGE DISCHARGE— 858 ft^3/s.

MINIMUM DAILY DISCHARGE—87 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	188	191	196	202	220	246	313	401
5	146	148	151	155	167	180	219	276
10	127	128	132	137	146	156	185	229
20	113	114	118	124	132	140	162	197
50	99	100	104	112	118	125	141	168

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	312	342	373
June–Aug.	152	157	166
Sept.–Nov.	127	131	135
Dec.–Feb.	195	202	215

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	5040	20	1290	80	283
.9	4250	30	969	90	212
1.0	4130	40	754	95	176
2.0	3360	50	596	98	151
5.0	2410	60	465	99	138
10	1810	70	365	99.5	131

03332300 LITTLE INDIAN CREEK NEAR ROYAL CENTER, INDIANA

LOCATION—Lat 40°52′53″, long 86°35′26″, in NE1/4NW1/4 sec.13, T.28 N., R.2 W., White County, Hydrologic Unit 05120106, on right bank at downstream side of county road bridge, 2.9 mi upstream from mouth, 3.2 mi downstream from Fredericks ditch, and 4.8 mi northwest of Royal Center Post Office.

DRAINAGE AREA—35.0 mi^2.

PERIOD OF RECORD— July 1959 to September 1973 (discontinued).

AVERAGE DISCHARGE— 28.7 ft^3/s.

MINIMUM DAILY DISCHARGE—0.50 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	2.2	2.3	2.5	2.8	3.8	4.6	6.9	9.6
5	1.1	1.2	1.3	1.5	2.1	2.4	3.1	5.1
10	.8	.8	.8	1.1	1.5	1.6	2.0	3.6
20	.5	.6	.6	.8	1.1	1.1	1.3	2.8
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	4.1	5.6	7.0
June–Aug.	1.5	1.7	2.0
Sept.–Nov.	1.2	1.3	1.3
Dec.–Feb.	1.1	1.2	1.7

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	299	20	39	80	5.0
.9	249	30	27	90	3.3
1.0	237	40	20	95	2.1
2.0	183	50	15	98	1.3
5.0	109	60	11	99	.84
10	66	70	7.5	99.5	.77

03332400 BIG MONON CREEK NEAR FRANCESVILLE, INDIANA

LOCATION—Lat 40°59′03″, long 86°51′43″, in NW1/4NE1/4 sec.10, T.29 N., R.4 W., Pulaski County, Hydrologic Unit 05120106, on right bank at downstream side of county road bridge, 1.1 mi east of Francesville, 1.6 mi downstream from right-bank tributary, and 10.2 mi upstream from mouth.

DRAINAGE AREA—152 mi^2.

PERIOD OF RECORD— August 1959 to September 1973 (discontinued).

AVERAGE DISCHARGE— 144 ft^3/s.

MINIMUM DAILY DISCHARGE—8.5 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	17	18	19	21	24	29	45	58
5	11	11	12	14	16	19	25	35
10	9.1	9.5	9.8	11	13	15	19	27
20	7.9	8.2	8.4	9.3	11	13	15	22
50	6.9	7.1	7.1	7.8	9.8	12	14	17

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	36	45	49
June–Aug.	13	15	18
Sept.–Nov.	10	11	12
Dec.–Feb.	14	14	17

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1300	20	200	80	36
.9	1100	30	144	90	23
1.0	1060	40	109	95	18
2.0	748	50	88	98	15
5.0	464	60	69	99	13
10	308	70	51	99.5	12

03332500 TIPPECANOE RIVER NEAR MONTICELLO, INDIANA

LOCATION—Lat 40°46′48″, long 86°45′36″, in NW1/4NE1/4 sec.21, T.27 N., R.3 W., White County, Hydrologic Unit 05120106, at Norway plant of Northern Indiana Public Service Co., 2 miles north of Monticello, and at mile 32.0.

DRAINAGE AREA—1,732 mi^2.

PERIOD OF RECORD— Octoer 1931 to 1981 (discontinued).

AVERAGE DISCHARGE— 1,508 ft^3/s.

MINIMUM DAILY DISCHARGE— 103 ft^3/s.

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

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	222	267	296	317	352	398	520	653
5	157	194	216	230	253	281	354	444
10	132	165	183	194	213	235	289	363
20	114	144	159	169	184	203	245	307
50	98	124	136	144	157	173	203	255

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	500	561	625
June–Aug.	199	217	232
Sept.–Nov.	181	196	208
Dec.–Feb.	236	287	317

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	10300	20	2180	80	465
.9	8820	30	1600	90	329
1.0	8600	40	1220	95	269
2.0	6840	50	947	98	210
5.0	4720	60	736	99	191
10	3390	70	587	99.5	166

03333050 TIPPECANOE RIVER NEAR DELPHI, INDIANA

LOCATION—Lat 40°35′38″, long 86°46′12″, in SW1/4SW1/4 sec.21, T.25 N., R.3 W., Carroll County; Hydrologic Unit 05120106, on left bank 20 ft upstream from bridge on State Highway 18; 1,400 ft east of Springboro; 8.1 mi downstream from Big Creek; 5 mi west of Delphi; and at mile 8.7.

DRAINAGE AREA—1,869 mi^2.

PERIOD OF RECORD— October 1941 to current year.

AVERAGE DISCHARGE— 2,161 ft^3/s.

MINIMUM DAILY DISCHARGE— 131 ft^3/s.

REMARKS— Flow regulated by upstream reservoirs. Published as *"03333000 Tippecanoe River near Delphi"* July 1939 to September 1987. Low-flow frequency calculations do not include periods of extreme regulation during climatic year 1955 caused by repair work at Oakdale Dam.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	264	319	358	377	422	485	573	806
5	179	208	233	252	294	336	378	539
10	142	161	178	199	244	280	305	436
20	116	127	139	163	209	242	256	365
50	90	95	103	128	175	207	211	299

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	594	678	754
June–Aug.	251	282	303
Sept.–Nov.	166	181	202
Dec.–Feb.	259	311	321

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	11000	20	2600	80	534
.9	9725	30	1930	90	384
1.0	9407	40	1520	95	302
2.0	7455	50	1190	98	240
5.0	5240	60	926	99	219
10	3850	70	711	99.5	176

03333450 WILDCAT CREEK NEAR JEROME, INDIANA

LOCATION—Lat 40°26′29″, long 85°55′08″, in NE1/4SE1/4 sec.14, T.23 N., R.5 E., Howard County, Hydrologic Unit 05120107, on right bank at downstream side of bridge on County Road 1100 East, 0.5 mi downstream from Mud Creek, 1.5 mi southeast of Jerome, and at mile 79.9.

DRAINAGE AREA—146 mi^2.

PERIOD OF RECORD— July 1961 to current year.

AVERAGE DISCHARGE— 138 ft^3/s.

MINIMUM DAILY DISCHARGE—0.89 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	3.8	3.9	4.2	4.8	6.0	8.5	15	31
5	1.9	2.0	2.1	2.4	2.8	3.5	5.6	12
10	1.3	1.4	1.5	1.6	1.9	2.3	3.4	7.2
20	1.0	1.0	1.1	1.2	1.4	1.6	2.3	4.6
50	.7	.7	.8	.8	1.0	1.2	1.5	2.7

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	17	21	24
June–Aug.	2.4	2.6	3.3
Sept.–Nov.	1.5	1.7	1.9
Dec.–Feb.	4.4	4.9	5.4

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1950	20	167	80	10
.9	1520	30	102	90	5.2
1.0	1460	40	70	95	3.2
2.0	1050	50	48	98	2.1
5.0	607	60	32	99	1.7
10	338	70	19	99.5	1.4

03333500 WILDCAT CREEK AT GREENTOWN, INDIANA

LOCATION—Lat 40°27′, long 85°57′, on line between secs.9 and 10, T.23 N., R.5 E., Howard County, Hydrologic Unit 05120107, on left bank at downstream side of bridge on State Highway 213; 1.5 miles south of Greentown.

DRAINAGE AREA—168 mi^2.

PERIOD OF RECORD— October 1944 to June 1961 (discontinued).

AVERAGE DISCHARGE— 152 ft^3/s.

MINIMUM DAILY DISCHARGE—1.00 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	3.3	3.3	3.6	4.1	4.8	7.3	17	30
5	1.8	1.9	2.1	2.4	2.8	3.9	7.7	15
10	1.3	1.4	1.5	1.8	2.2	2.9	5.2	11
20	1.0	1.1	1.2	1.4	1.8	2.4	3.8	8.3
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	20	22	26
June–Aug.	2.8	3.2	3.7
Sept.–Nov.	1.4	1.5	1.8
Dec.–Feb.	5.2	6.0	8.6

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2000	20	192	80	12
.9	1690	30	117	90	5.9
1.0	1640	40	76	95	4.0
2.0	1200	50	51	98	2.5
5.0	676	60	35	99	1.9
10	377	70	21	99.5	1.5

03333600 KOKOMO CREEK NEAR KOKOMO, INDIANA

LOCATION—Lat 40°26′28″, long 86°05′20″, in NW1/4SW1/4 sec.16, T.23 N., R.4 E., Howard County, Hydrologic Unit 05120107, on left bank at upstream side of bridge on County Road 200 East, 2.6 mi southeast of intersection of U.S. Highways 31 and 35 in Kokomo, and 4.2 mi upstream from mouth.

DRAINAGE AREA—24.7 mi^2

PERIOD OF RECORD— July 1959 to current year.

AVERAGE DISCHARGE— 23.0 ft^3/s.

MINIMUM DAILY DISCHARGE—0.07 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.6	0.6	0.7	0.8	1.0	1.6	2.6	5.0
5	.3	.3	.3	.4	.5	.7	1.1	2.1
10	.1	.1	.2	.2	.3	.4	.7	1.1
20	.1	.1	.1	.2	.2	.3	.6	.9
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	2.9	3.4	4.0
June–Aug.	.3	.3	.4
Sept.–Nov.	.1	.2	.2
Dec.–Feb.	.9	1.0	1.1

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	350	20	28	80	1.8
.9	277	30	17	90	.91
1.0	264	40	12	95	.60
2.0	185	50	7.7	98	.37
5.0	96	60	5.1	99	.25
10	55	70	3.1	99.5	.17

03333700 WILDCAT CREEK AT KOKOMO, INDIANA

LOCATION—Lat 40°28′15″, long 86°09′11″, in SW1/4NE1/4 sec.2, T.23 N., R.3 E., Howard County, Hydrologic Unit 05120107, on right bank on property of Kokomo Sewage Treatment Plant in Kokomo, 250 ft downstream from Kokomo Creek, 1.0 mi upstream from Dixon Road bridge, and at mile 62.9.

DRAINAGE AREA—242 mi^2.

PERIOD OF RECORD— October 1955 to current year.

AVERAGE DISCHARGE— 239 ft^3/s.

MINIMUM DAILY DISCHARGE— 7.2 ft^3/s.

REMARKS— Some regulation by Kokomo Reservoirs Nos. 1 and 2, (combined capacity 4,170 acre-ft, used for municipal water supply) and by Kokomo Sewage Treatment Plant. Prior to May 9, 1986, recording gage at site 0.4 mi downstream at present datum.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	20	22	24	25	28	33	47	69
5	14	16	17	18	20	21	27	37
10	12	13	14	14	16	18	21	28
20	8.4	9.0	10	11	12	14	17	22
50	5.8	7.3	8.4	8.4	9.0	12	14	20

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	37	43	47
June–Aug.	20	22	25
Sept.–Nov.	14	15	16
Dec.–Feb.	17	18	20

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	3290	20	290	80	35
.9	2560	30	184	90	26
1.0	2430	40	127	95	21
2.0	1700	50	90	98	17
5.0	982	60	65	99	14
10	564	70	48	99.5	12

03334000 WILDCAT CREEK AT OWASCO, INDIANA

LOCATION—Lat 40°27′50″, long 86°38′15″, in SE1/4SE1/4 sec.4, T.23 N., R.2 W., Carroll County, on left bank 200 ft downstream from bridge on State Highway 39; 0.5 mi northwest of Owasco, and 15 mi upstream from South Fork Wildcat Creek.

DRAINAGE AREA—396 mi^2.

PERIOD OF RECORD— October 1943 to September 1973, and October 1988 to current year.

AVERAGE DISCHARGE— 383 ft^3/s.

MINIMUM DAILY DISCHARGE— 12 ft^3/s.

REMARKS— Some regulation at low stages for municipal water supply by Kokomo Water Company since 1955.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	30	32	34	36	41	53	81	110
5	20	22	23	24	28	32	44	58
10	16	18	19	20	23	28	32	42
20	14	15	16	18	20	22	26	33
50	11	12	14	15	17	17	20	22

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	76	93	104
June–Aug.	25	27	30
Sept.–Nov.	18	20	21
Dec.–Feb.	29	31	34

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	4450	20	490	80	59
.9	3590	30	319	90	40
1.0	3420	40	229	95	32
2.0	2490	50	167	98	25
5.0	1520	60	123	99	22
10	916	70	87	99.5	20

03334500 SOUTH FORK WILDCAT CREEK NEAR LAFAYETTE, INDIANA

LOCATION—Lat 40°25′04″, long 86°46′05″, in SW1/4SW1/4 sec.21, T.23 N., R.3 W., Tippecanoe County, Hydrologic Unit 05120107, on right bank 40 ft upstream from bridge on State Highway 26; 0.5 mi upstream from Middle Fork, 4.4 mi upstream from mouth, and 5 mi east of Lafayette.

DRAINAGE AREA—243 mi^2.

PERIOD OF RECORD— October 1943 to current year.

AVERAGE DISCHARGE— 247 ft^3/s.

MINIMUM DAILY DISCHARGE— 15 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	28	29	30	32	35	43	63	87
5	22	22	23	24	26	30	38	51
10	19	19	20	21	22	25	30	39
20	17	17	18	18	20	22	25	31
50	15	15	15	16	17	19	20	24

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	58	65	71
June–Aug.	23	23	26
Sept.–Nov.	20	21	22
Dec.–Feb.	28	29	32

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2900	20	293	80	48
.9	2340	30	199	90	35
1.0	2240	40	150	95	28
2.0	1620	50	113	98	24
5.0	922	60	86	99	22
10	545	70	65	99.5	20

03335000 WILDCAT CREEK NEAR LAFAYETTE, INDIANA

LOCATION—Lat 40°26′26″, long 86°49′45″, in SW1/4NW1/4 sec.13, T.23 N., R.4 W., Tippecanoe County, Hydrologic Unit 05120107, on right bank about 200 ft downstream of bridge on County Road 2A East, 2.8 mi downstream from South Fork Wildcat Creek, 3.7 mi northeast of courthouse in Lafayette, and 4.8 mi upstream from mouth.

DRAINAGE AREA—794 $mi^{2.}$

PERIOD OF RECORD— May 1954 to current year.

AVERAGE DISCHARGE— 785 $ft^{3/}s$.

MINIMUM DAILY DISCHARGE— 47 $ft^{3/}s$.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	92	94	98	104	117	139	205	280
5	67	69	71	75	85	95	122	165
10	56	58	60	63	72	80	95	126
20	51	52	52	54	63	70	78	101
50	44	50	51	52	54	61	64	79

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	168	200	222
June–Aug.	75	80	89
Sept.–Nov.	60	63	66
Dec.–Feb.	84	88	94

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	8590	20	986	80	156
.9	6790	30	668	90	114
1.0	6480	40	485	95	91
2.0	5010	50	367	98	72
5.0	3020	60	279	99	64
10	1790	70	211	99.5	58

03335500 WABASH RIVER AT LAFAYETTE, INDIANA

LOCATION—Lat 40°25′19″, long 86°53′49″, in NE1/4SW1/4 sec.20, T.23 N., R.4 W., Tippecanoe County, Hydrologic Unit 05120108, on right bank 20 ft downstream from Brown Street in Lafayette, 0.2 mi upstream from Main Street bridge, 0.3 mi downstream from Harrison Memorial Bridge, 5.1 mi downstream from Wildcat Creek, and at mile 311.9.

DRAINAGE AREA—7,267 mi^2.

PERIOD OF RECORD— October 1923 to current year.

AVERAGE DISCHARGE— 6,619 ft^3/s.

MINIMUM DAILY DISCHARGE— 399 ft^3/s.

REMARKS— Flow partially regulated by upstream reservoirs and power development. Low-flow statistics are calculated for the regulated period, 1969 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	1150	1220	1320	1440	1650	2030	2570	3420
5	895	942	999	1070	1180	1360	1730	2350
10	792	825	868	925	1000	1110	1420	1930
20	718	740	775	821	879	935	1220	1640
50	647	656	684	719	764	775	1030	1360

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	1990	2100	2250
June–Aug.	944	988	1070
Sept.–Nov.	901	1020	1150
Dec.–Feb.	1230	1290	1390

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	41900	20	11600	80	2250
.9	36800	30	7910	90	1660
1.0	36200	40	5680	95	1330
2.0	30700	50	4440	98	1020
5.0	22900	60	3580	99	862
10	17300	70	2880	99.5	774

03335677 MARSHALL DITCH NEAR MONTMORENCI, INDIANA

LOCATION—Lat 40°30′42″, long 87°01′10″, in NW1/4SW1/4 sec.20, T.24 N., R.5 W., Tippecanoe County, Hydrologic Unit 05120108, on right bank at mile 1.7, and 2.9 mi northeast of Montmorenci.

DRAINAGE AREA— 1.58 mi^2.

PERIOD OF RECORD—October 1990 to current year.

AVERAGE DISCHARGE— 1.49 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Only the $7Q_2$ and $7Q_{10}$ were calculated due to this site having less than 10 years of record; --, indicates that no flow characteristics were computed.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	--	--	0.0	--	--	--	--	--
5	--	--	--	---	--	--	--	--
10	--	--	.0	--	--	--	--	--
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
5	5	35	0.75	65	0.30
10	2.5	40	.65	70	.23
15	1.6	45	.56	75	.17
20	1.3	50	.49	80	.11
25	1.1	55	.42	85	.06
30	.89	60	.36	90	.03

03335678 INDIAN CREEK NEAR MONTMORENCI, INDIANA

LOCATION—Lat 40°25′53″, long 87°02′16″, in SE1/4SE1/4 sec.13, T.23 N., R.6 W., Tippecanoe County, Hydrologic Unit 05120108, on right bank 1.8 mile upstream from mouth, 1.4 mile downstream from Goose Creek and 3.0 miles southwest on Montmorenci.

DRAINAGE AREA— 27.8 mi^2.

PERIOD OF RECORD—October 1990 to September 1994 (discontinued).

AVERAGE DISCHARGE— 27.9 ft^3/s (through September 1993).

MINIMUM DAILY DISCHARGE—0.08 ft^3/s.

REMARKS— Only the $7Q_2$ and $7Q_{10}$ were calculated due to this site having less than 10 years of record; --, indicates that no flow characteristics were computed.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	--	--	0.2	--	--	--	--	--
5	--	--	--	--	--	--	--	--
10	--	--	.0	--	--	--	--	--
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
5	110	35	18	65	6.4
10	54	40	16	70	5.1
15	39	45	14	75	3.9
20	30	50	12	80	2.8
25	24	55	9.8	85	1.9
30	21	60	8.1	90	1.4

03335679 LITTLE PINE CREEK AT GREEN HILL, INDIANA

LOCATION—Lat 40°24′34″, long 87°06′53″, in NE1/4SE1/4 sec.29, T.23 N., R.6 W., Warren County, Hydrologic Unit 05120108, on right bank at southwest edge of Green Hill, 1.2 mile downstream from Armstrong Creek and at mile 6.1.

DRAINAGE AREA— 42.3 mi^2.

PERIOD OF RECORD—October 1990 to current year.

AVERAGE DISCHARGE— 51.0 ft^3/s.

MINIMUM DAILY DISCHARGE—0.55 ft^3/s.

REMARKS— Only the $7Q_2$ and $7Q_{10}$ were calculated due to this site having less than 10 years of record; --, indicates that no flow characteristics were computed.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	--	--	0.8	--	--	--	--	--
5	--	--	--	--	--	--	--	--
10	--	--	.3	--	--	--	--	--
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
5	205	35	40	65	16
10	121	40	35	70	13
15	89	45	30	75	10
20	69	50	27	80	7.0
25	56	55	23	85	4.9
30	47	60	20	90	3.0

03335690 MUD PINE CREEK NEAR OXFORD, INDIANA

LOCATION—Lat 40°31′24″, long 87°20′30″, in NE1/4SE1/4 sec.17, T.24 N., R.8 W., Benton County, Hydrologic Unit 05120108, on right bank 5 ft downstream from county road bridge, 0.3 mi north of Chase, 2 mi east of Boswell, and 5 mi west of Oxford.

DRAINAGE AREA—39.4 mi^2.

PERIOD OF RECORD— June 1971 to current year.

AVERAGE DISCHARGE— 42.2 ft^3/s.

MINIMUM DAILY DISCHARGE—0.10 ft^3/s.

REMARKS— Flow partially regulated by upstream reservoirs and power development.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.6	0.7	0.7	0.8	1.0	1.8	4.7	11
5	.3	.4	.4	.5	.6	.9	1.8	4.0
10	.2	.2	.3	.4	.5	.7	1.1	1.8
20	.1	.1	.3	.4	.4	.6	.8	.9
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	4.7	5.4	6.3
June–Aug.	.4	.5	.6
Sept.–Nov.	.2	.3	.4
Dec.–Feb.	1.2	1.5	1.8

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	640	20	55	80	2.3
.9	452	30	36	90	1.0
1.0	428	40	24	95	.69
2.0	282	50	17	98	.48
5.0	161	60	10	99	.36
10	100	70	5.7	99.5	.29

03335700 BIG PINE CREEK NEAR WILLIAMSPORT, INDIANA

LOCATION—Lat 40°19′03″, long 87°17′26″, in SW1/4SE1/4 sec.26, T.22 N., R.8 W., Warren County, Hydrologic Unit 05120108, on downstream side of county road bridge, 1.6 mi north of Williamsport city limits, and 3.7 mi upstream from mouth.

DRAINAGE AREA—323 mi^2.

PERIOD OF RECORD— October 1955 to September 1987 (discontinued).

AVERAGE DISCHARGE— 270 ft^3/s.

MINIMUM DAILY DISCHARGE—6.5 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	14	15	16	17	19	26	44	77
5	9.5	9.9	10	11	12	15	22	38
10	7.6	7.9	8.0	8.5	10	12	16	25
20	6.3	6.6	6.7	7.1	9.0	10	12	18
50	5.2	5.3	5.4	5.8	7.9	8.4	8.6	12

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	42	48	59
June–Aug.	11	12	14
Sept.–Nov.	8.4	8.5	8.7
Dec.–Feb.	14	15	17

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	3250	20	356	80	31
.9	2480	30	236	90	19
1.0	2330	40	168	95	15
2.0	1780	50	122	98	11
5.0	1080	60	83	99	8.9
10	639	70	52	99.5	8.1

03336000 WABASH RIVER AT COVINGTON, INDIANA

LOCATION—Lat 40°08′24″, long 87°24′24″, in NE1/4NW1/4 sec.35, T.20 N., R.9 W., Warren County, Hydrologic Unit 05120108, on right approach to old U.S. Highway 136 bridge at Covington, 2.9 mi downstream from Oppossum Run, 3.6 mi upstream from Spring Creek, and at mile 271.1.

DRAINAGE AREA—8,218 mi^2.

PERIOD OF RECORD— October 1939 to current year.

AVERAGE DISCHARGE— 7,598 ft^3/s.

MINIMUM DAILY DISCHARGE—487 ft^3/s.

REMARKS— Flow partially regulated by upstream reservoirs. Low-flow statistics are calculated for the regulated period, 1969 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	1450	1510	1580	1730	1940	2330	2980	3930
5	1120	1150	1190	1280	1390	1610	2010	2700
10	983	1000	1040	1100	1180	1340	1660	2210
20	885	899	933	973	1040	1160	1420	1870
50	789	795	829	853	899	991	1200	1550

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	2340	2490	2650
June–Aug.	1150	1210	1310
Sept.–Nov.	1140	1240	1330
Dec.–Feb.	1410	1490	1600

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	44600	20	13200	80	2630
.9	39600	30	9080	90	1970
1.0	38400	40	6680	95	1570
2.0	32000	50	5180	98	1260
5.0	25900	60	4160	99	1140
10	19700	70	3290	99.5	978

03339108 EAST FORK COAL CREEK NEAR HILLSBORO, INDIANA

LOCATION—Lat 40°06′06″, long 87°07′54″, in NW1/4SW1/4 sec.8, T.19 N., R.6 W., Fountain County, Hydrologic Unit 05120108, at center pier on downstream side of bridge on County Road 700 East, 1.5 mi east of Hillsboro, 3.7 mi northwest of Waynetown, and 9.6 mi upstream from mouth.

DRAINAGE AREA—33.4 mi^2.

PERIOD OF RECORD— September 1968 to September 1991 (discontinued).

AVERAGE DISCHARGE— 37.3 ft^3/s.

MINIMUM DAILY DISCHARGE—2.1 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	4.9	5.1	5.5	6.1	7.2	8.8	13	18
5	3.6	3.8	4.0	4.4	5.1	6.2	8.6	12
10	3.1	3.2	3.4	3.7	4.2	5.2	7.0	9.1
20	2.7	2.8	3.0	3.2	3.7	4.5	5.9	7.5
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	7.3	7.8	8.8
June–Aug.	3.8	4.1	4.4
Sept.–Nov.	3.7	4.0	4.4
Dec.–Feb.	5.5	5.9	6.2

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	496	20	42	80	9.2
.9	365	30	31	90	6.9
1.0	350	40	24	95	5.5
2.0	234	50	19	98	4.5
5.0	120	60	15	99	4.0
10	72	70	12	99.5	3.7

03339120 COAL CREEK AT COAL CREEK, INDIANA

LOCATION—Lat 40°01′42″, long 87°22′30″, in SW1/4 SW1/4 sec. 6, T.18N., R.8.W., Fountain County, on downstream side of county road bridge, 0.7 mile southeast of Coal Creek.

DRAINAGE AREA— 214 mi^2.

PERIOD OF RECORD—October 1964 to September 1972 (discontinued).

AVERAGE DISCHARGE— 178 ft^3/s.

MINIMUM DAILY DISCHARGE—6.0 ft^3/s.

REMARKS— Only the $7Q_2$ and $7Q_{10}$ were calculated due to this site having less than 10 years of record; --, indicates that no flow characteristics were computed.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	--	--	18	--	--	--	--	--
5	--	--	--	--	--	--	--	--
10	--	--	7.4	--	--	--	--	--
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
5	583	35	119	65	52
10	346	40	104	70	43
15	255	45	90	75	37
20	201	50	80	80	31
25	168	55	70	85	26
30	142	60	60	90	22

03339280 PRAIRIE CREEK NEAR LEBANON, INDIANA

LOCATION—Lat 40°06′16″, long 86°31′32″, in NW1/4SW1/4 sec.10, T.19 N., R.1 W., Boone County, Hydrologic Unit 05120110, on right bank 50 ft upstream from bridge on County Road 450 North, 4.0 mi upstream from Deer Creek, 4.9 mi northwest of Lebanon, and 7.7 mi upstream from mouth.

DRAINAGE AREA— 33.2 mi^2.

PERIOD OF RECORD—October 1987 to current year.

AVERAGE DISCHARGE— 40.8 ft^3/s.

MINIMUM DAILY DISCHARGE—0.71 ft^3/s.

REMARKS— Only the $7Q_2$ and $7Q_{10}$ were calculated due to this site having less than 10 years of record; --, indicates that no flow characteristics were computed.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	--	--	2.0	--	--	--	--	--
5	--	--	--	--	--	--	--	--
10	--	--	1.2	--	--	--	--	--
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
5	153	35	25	65	9.2
10	83	40	22	70	7.8
15	57	45	19	75	6.6
20	43	50	16	80	5.4
25	34	55	14	85	4.3
30	29	60	11	90	3.3

03339500 SUGAR CREEK AT CRAWFORDSVILLE, INDIANA

LOCATION—Lat 40°02′56″, long 86°53′58″, in SW1/4NW1/4 sec.32, T.19 N., R.4 W., Montgomery County, Hydrologic Unit 05120110, on left bank 327 ft upstream from Crawfordsville Electric Light and Power Co.′s dam at Crawfordsville, 700 ft upstream from bridge on U.S. Highway 231, 1.0 mi downstream from Walnut Fork Sugar Creek, and at mile 40.4.

DRAINAGE AREA—509 mi^2.

PERIOD OF RECORD— June 1938 to current year.

AVERAGE DISCHARGE— 500 ft^3/s.

MINIMUM DAILY DISCHARGE—2.4 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	21	22	24	27	31	43	74	123
5	11	11	12	13	16	21	33	55
10	7.2	7.4	8.0	9.0	11	15	22	36
20	3.8	4.0	4.0	4.6	7.0	11	15	26
50	2.6	2.6	2.8	3.2	4.7	7.2	13	22

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	75	83	97
June–Aug.	12	13	16
Sept.–Nov.	7.9	8.4	9.4
Dec.–Feb.	26	28	32

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	7260	20	568	80	49
.9	5730	30	360	90	29
1.0	5410	40	248	95	21
2.0	3830	50	181	98	14
5.0	2130	60	127	99	10
10	1190	70	82	99.5	7.5

03340000 SUGAR CREEK NEAR BYRON, INDIANA

LOCATION—Lat 39°55′52″, long 87°07′33″, in NW1/4SW1/4 sec.8, T.17 N., R.6 W., Parke County, Hydrologic Unit 05120110, on right bank 30 ft upstream from county highway bridge, 2.5 mi northwest of Byron, 5 mi downstream from Indian Creek.

DRAINAGE AREA—670 mi^2.

PERIOD OF RECORD— October 1940 to September 1971 (discontinued).

AVERAGE DISCHARGE— 628 ft^3/s.

MINIMUM DAILY DISCHARGE— 12 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	42	43	45	48	55	71	112	159
5	27	27	28	30	35	42	58	84
10	21	21	22	23	28	33	43	62
20	16	17	18	19	23	28	33	49
50	13	13	14	14	18	23	25	38

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	114	126	146
June–Aug.	28	30	34
Sept.–Nov.	21	22	24
Dec.–Feb.	43	46	51

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	9640	20	720	80	78
.9	7330	30	467	90	54
1.0	6920	40	328	95	41
2.0	4690	50	235	98	31
5.0	2460	60	164	99	25
10	1420	70	114	99.5	20

03340500 WABASH RIVER AT MONTEZUMA, INDIANA

LOCATION—Lat 39°47′33″, long 87°22′26″, in SE1/4NE1/4 sec.35, T.16 N., R.9 W., Parke County, Hydrologic Unit 05120108, on left bank 20 ft upstream from bridge on U.S. Highway 36 at Montezuma, 2.0 mi upstream from Big Raccoon Creek, 4.9 mi downstream from Sugar Creek, and at mile 240.0.

DRAINAGE AREA—11,118 mi^2.

PERIOD OF RECORD— October 1927 to current year.

AVERAGE DISCHARGE— 10,030 ft^3/s.

MINIMUM DAILY DISCHARGE—571 ft^3/s.

REMARKS— Flow partially regulated by upstream reservoirs. Low-flow statistics are calculated for the regulated period, 1969 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	1800	1870	1970	2150	2430	2850	3920	5280
5	1320	1370	1430	1530	1700	1910	2510	3420
10	1130	1160	1210	1290	1420	1570	1980	2680
20	987	1010	1050	1120	1230	1350	1620	2160
50	852	871	896	955	1050	1140	1290	1680

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	3130	3270	3520
June–Aug.	1340	1400	1520
Sept.–Nov.	1300	1390	1490
Dec.–Feb.	1800	1900	2050

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	67100	20	17800	80	3400
.9	57800	30	12300	90	2380
1.0	56500	40	9170	95	1890
2.0	47100	50	7090	98	1460
5.0	34900	60	5560	99	1240
10	26500	70	4360	99.5	1100

03340800 BIG RACCOON CREEK NEAR FINCASTLE, INDIANA

LOCATION—Lat 39°48′45″, long 86°57′14″, in NW1/4SW1/4 sec.22, T.16 N., R.5 W., Putnam County, Hydrologic Unit 05120108, on left bank at downstream side of county road bridge, 1.6 mi upstream from Ramp Creek, 3.1 mi west of Fincastle, and at mile 48.8.

DRAINAGE AREA—139 mi^2.

PERIOD OF RECORD— August 1957 to current year.

AVERAGE DISCHARGE— 145 ft^3/s.

MINIMUM DAILY DISCHARGE—1.0 ft^3/s.

REMARKS— Prior to October 1963, published as Raccoon Creek near Fincastle.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	6.1	6.3	6.8	7.7	9.4	13	24	39
5	3.1	3.3	3.5	3.9	4.6	5.9	9.5	17
10	2.2	2.3	2.4	2.6	3.1	3.8	5.7	10
20	1.6	1.7	1.7	1.9	2.2	2.6	3.7	6.7
50	1.1	1.1	1.2	1.3	1.5	1.7	2.2	4.1

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	21	22	26
June–Aug.	3.6	3.9	4.4
Sept.–Nov.	2.3	2.5	2.7
Dec.–Feb.	7.5	7.9	8.7

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2440	20	167	80	15
.9	1810	30	108	90	7.6
1.0	1690	40	77	95	4.9
2.0	1060	50	55	98	3.3
5.0	537	60	38	99	2.6
10	304	70	24	99.5	2.0

03340900 BIG RACCOON CREEK AT FERNDALE, INDIANA

LOCATION—Lat 39°42′40″, long 87°04′15″, in SE1/4SE1/4 sec.28, T.15 N., R.6 W., Parke County, Hydrologic Unit 05120108, on right bank at upstream side of bridge on New Discovery Road, 0.5 mi downstream from Cecil M. Harden Lake, 3.7 mi upstream from Rocky Fork Creek, and at mile 33.3.

DRAINAGE AREA—222 mi^2 .

PERIOD OF RECORD— October 1956 to current year.

AVERAGE DISCHARGE— 232 ft^3/s.

MINIMUM DAILY DISCHARGE—2.7 ft^3/s. No flow at times due to regulation.

REMARKS— Flow regulated by Cecil M. Harden Lake since December 1960. Records of daily discharge provided by U.S. Army Corps of Engineers beginning Oct. 1, 1976. Low-flow statistics are calculated for the regulated period, 1961 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	18	21	21	22	27	39	75	121
5	12	14	16	17	19	24	38	60
10	8.4	9.9	14	14	16	19	26	39
20	.0	7.1	12	13	13	16	18	25
50	.0	4.6	10	11	11	13	15	15

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	11	16	16
June–Aug.	13	17	18
Sept.–Nov.	17	19	22
Dec.–Feb.	17	17	19

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1780	20	364	80	31
.9	1590	30	220	90	22
1.0	1550	40	146	95	19
2.0	1280	50	100	98	16
5.0	959	60	68	99	14
10	667	70	48	99.5	13

03341000 BIG RACCOON CREEK AT MANSFIELD, INDIANA

LOCATION—Lat 39°41′00″, long 87°07′00″, in sec.8, T.14 N., R.6 W., Parke County, Hydrologic Unit 05120108, at bridge on State Highway 59 at Mansfield, 1 mi downstream from Rocky Fork.

DRAINAGE AREA—240 mi^2.

PERIOD OF RECORD— 1939-1958 (discontinued).

AVERAGE DISCHARGE— 230 ft^3/s.

MINIMUM DAILY DISCHARGE— 1.4 ft^3/s due to regulation.

REMARKS— Some regulation at low flow by mill above station.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	5.8	7.0	8.1	9.0	10	15	30	51
5	2.8	3.4	4.0	4.6	5.2	7.7	15	23
10	1.9	2.3	2.7	3.1	3.6	5.7	10	15
20	1.4	1.6	1.9	2.2	2.6	4.6	7.5	11
50	.9	1.1	1.3	1.5	1.8	3.6	5.2	7.6

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	36	39	49
June–Aug.	4.1	5.2	6.2
Sept.–Nov.	2.2	2.6	3.0
Dec.–Feb.	10	12	14

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	4110	20	256	80	20
.9	2960	30	174	90	13
1.0	2770	40	124	95	7.2
2.0	1670	50	85	98	3.7
5.0	791	60	55	99	2.7
10	458	70	34	99.5	2.2

03341200 LITTLE RACCOON CREEK NEAR CATLIN, INDIANA

LOCATION—Lat 39°40′38″, long 87°13′38″, in NE1/4NW1/4 sec.7, T.14 N., R.7 W., Parke County, Hydrologic Unit 05120108, on left bank at downstream side of county road bridge, 300 ft downstream from small left-bank tributary, 0.4 mi upstream from Sunderland Branch, 1.2 mi northeast of Catlin, 2.4 mi upstream from Weisner Branch, and 3.8 mi upstream from mouth.

DRAINAGE AREA—133 mi^2.

PERIOD OF RECORD— October 1957 to September 1971 (discontinued).

AVERAGE DISCHARGE— 117 ft^3/s.

MINIMUM DAILY DISCHARGE—4.1 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	6.6	6.8	7.1	7.7	9.0	11	15	24
5	4.8	4.9	5.2	5.6	6.2	7.0	9.0	14
10	4.2	4.3	4.6	4.8	5.3	5.7	7.2	11
20	3.8	4.0	4.2	4.4	4.7	4.9	6.2	9.5
50	3.5	3.6	3.9	4.0	4.1	4.3	5.4	8.1

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	25	30	33
June–Aug.	5.7	6.1	6.8
Sept.–Nov.	4.6	4.9	5.1
Dec.–Feb.	6.4	6.5	7.7

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2270	20	136	80	14
.9	1470	30	94	90	9.0
1.0	1300	40	64	95	6.8
2.0	726	50	45	98	5.4
5.0	388	60	30	99	4.9
10	239	70	20	99.5	4.5

03341300 BIG RACCOON CREEK AT COXVILLE, INDIANA

LOCATION—Lat 39°39′09″, long 87°17′37″, in SW1/4SW1/4 sec.15, T.14 N., R.8 W., Parke County, Hydrologic Unit 05120108, on
right bank at downstream side of covered bridge on county road at Coxville, 0.8 mi upstream from
Rock Run, 1.5 mi downstream from Little Raccoon Creek, 2.1 mi northwest of Rosedale, and at mile 13.1.

DRAINAGE AREA— 448 mi^2.

PERIOD OF RECORD— October 1956 to September 1988 (discontinued).

AVERAGE DISCHARGE— 489 ft^3/s.

MINIMUM DAILY DISCHARGE—

REMARKS— Flow regulated by Cecil M. Harden Lake. Low-flow statistics are calculated for the regulated period, 1961 to 1988. Prior to October 1963, published as Raccoon Creek at Coxville.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	59	60	63	68	82	110	170	235
5	39	40	41	44	52	67	104	150
10	30	31	32	34	40	50	80	116
20	24	25	25	27	32	38	63	94
50	18	19	19	21	24	28	48	73

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	82	88	96
June–Aug.	45	47	49
Sept.–Nov.	42	45	51
Dec.–Feb.	45	46	50

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	3850	20	786	80	116
.9	2850	30	533	90	77
1.0	2780	40	386	95	60
2.0	2180	50	285	98	43
5.0	1570	60	218	99	34
10	1190	70	167	99.5	31

03341500 WABASH RIVER AT TERRE HAUTE, INDIANA

LOCATION—Lat 39°28′33″, long 87°25′07″, in NE1/4NW1/4 sec.21, T.12 N., R.9 W., Vigo County, Hydrologic Unit 05120111, on left bank at Indiana American Water Company, Inc., lst and Elm Streets in Terre Haute, 3.0 mi upstream from Sugar Creek, and 3.6 mi downstream from Lost Creek and at mile 215.

DRAINAGE AREA—12,263 mi^2.

PERIOD OF RECORD— February 1905 to July 1906, October 1927 to current year.

AVERAGE DISCHARGE— 11,070 ft^3/s.

MINIMUM DAILY DISCHARGE— 701 ft^3/s.

REMARKS— Flow partially regulated by upstream reservoirs. Low-flow statistics are calculated for the regulated period, 1969 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	2120	2190	2300	2460	2750	3230	4380	5950
5	1530	1580	1660	1760	1930	2170	2840	3890
10	1280	1320	1390	1480	1600	1780	2250	3050
20	1100	1130	1200	1280	1370	1510	1850	2460
50	923	951	1010	1080	1150	1260	1470	1900

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	3330	3510	3800
June–Aug.	1620	1690	1810
Sept.–Nov.	1500	1600	1710
Dec.–Feb.	1960	2080	2230

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	65600	20	19900	80	3830
.9	58700	30	13900	90	2730
1.0	57700	40	10400	95	2130
2.0	49300	50	7950	98	1650
5.0	37800	60	6210	99	1400
10	29900	70	4900	99.5	1300

03342000 WABASH RIVER AT RIVERTON, INDIANA

LOCATION—Lat 39°01′13″, long 87°34′07″, in NE1/4SW1/4 sec.30, T.7 N., R.10 W., Sullivan County, Hydrologic Unit 05120111, on left bank at downstream side of Illinois Central Railroad bridge at Riverton, 0.5 mi downstream from Turtle Creek, and at mile 162.0.

DRAINAGE AREA—13,161 mi^2.

PERIOD OF RECORD— October 1938 to current year.

AVERAGE DISCHARGE— 12,150 ft^3/s.

MINIMUM DAILY DISCHARGE—858 ft^3/s.

REMARKS— Flow partially regulated by upstream reservoirs. Low-flow statistics are calculated for the regulated period, 1969 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	2350	2390	2500	2680	3020	3540	4710	6380
5	1700	1740	1830	1950	2150	2410	3140	4250
10	1440	1480	1560	1650	1810	1980	2530	3360
20	1250	1290	1370	1450	1570	1690	2120	2730
50	1060	1100	1180	1250	1340	1420	1730	2140

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	3890	4050	4380
June–Aug.	1840	1910	2050
Sept.–Nov.	1660	1750	1920
Dec.–Feb.	2170	2260	2420

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	71200	20	21200	80	4220
.9	63100	30	14900	90	3000
1.0	62200	40	11200	95	2350
2.0	53700	50	8620	98	1870
5.0	41600	60	6770	99	1620
10	32800	70	5380	99.5	1470

03342100 BUSSERON CREEK NEAR HYMERA, INDIANA

LOCATION—Lat 39°12′54″, long 87°18′41″, in NW1/4NW1/4 sec.21, T.9 N., R.8 W., Sullivan County, Hydrologic Unit 05120111, on right bank at downstream side of bridge on County Road 900 North, 1.3 mi upstream from East Fork Busseron Creek, 1.9 mi northwest of Hymera, 4.1 mi upstream from West Fork Busseron Creek, and at mile 30.3.

DRAINAGE AREA—16.7 mi^2.

PERIOD OF RECORD— June 1966 to current year.

AVERAGE DISCHARGE— 18.7 ft^3/s.

MINIMUM DAILY DISCHARGE— 0.0 ft^3/s.

REMARKS— Flow affected by U.S. Soil Conservation Service floodwater-retarding structures.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.02	0.02	0.03	0.06	0.16	0.39	1.8	5.0
5	.00	.00	.00	.00	.04	.10	.47	1.6
10	.00	.00	.00	.00	.01	.04	.21	.73
20	.00	.00	.00	.00	.00	.02	.11	.33
50	.00	.00	.00	.00	.00	.01	.05	.12

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.27	0.34	0.68
June–Aug.	.00	.00	.02
Sept.–Nov.	.00	.00	.00
Dec.–Feb.	.10	.23	.41

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	362	20	22	80	.39
.9	259	30	12	90	.09
1.0	239	40	6.6	95	.04
2.0	156	50	3.7	98	.01
5.0	81	60	2.1	99	.00
10	48	70	1.0	99.5	.00

03342150 WEST FORK BUSSERON CREEK NEAR HYMERA, INDIANA

LOCATION—Lat 39°11′10″, long 87°19′44″, in NW1/4NW1/4 sec. 32, T.9 N., R.8 W., Sullivan County, Hydrologic Unit 05120111, on right bank at downstream side of bridge on State Highway 48; 1.4 mi upstream from mouth, 1.5 mi west of Hymera, and 3.7 mi east of U.S. Highway 41.

DRAINAGE AREA—14.4 mi^2.

PERIOD OF RECORD— October 1966 to September 1986 (discontinued).

AVERAGE DISCHARGE— 13.8 ft^3/s.

MINIMUM DAILY DISCHARGE— No flow at times most years.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.0	0.0	0.0	0.1	0.2	0.4	1.1	3.0
5	.0	.0	.0	.0	.1	.1	.4	1.1
10	.0	.0	.0	.0	.0	.1	.2	.6
20	.0	.0	.0	.0	.0	.0	.1	.4
50	.0	.0	.0	.0	.0	.0	.1	.2

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.4	0.6	0.8
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.2	.3	.4

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	338	20	12	80	.32
.9	245	30	6.8	90	.11
1.0	230	40	4.1	95	.07
2.0	135	50	2.4	98	.02
5.0	60	60	1.4	99	.01
10	29	70	.75	99.5	.00

03342250 MUD CREEK NEAR DUGGER, INDIANA

LOCATION—Lat 39°06′28″, long 87°16′42″, in SE1/4NE1/4 sec.27, T.8 N., R.8 W., Sullivan County, Hydrologic Unit 05120111, on right bank at downstream side of bridge on County Road 700 East, 0.6 mi north of County Road 100 North, 1.7 mi upstream from mouth, and 2.5 mi northwest of Dugger.

DRAINAGE AREA—11.9 mi^2.

PERIOD OF RECORD— June 1966 to September 1981 (discontinued).

AVERAGE DISCHARGE— 14.1 ft^3/s.

MINIMUM DAILY DISCHARGE—0.40 ft^3/s.

REMARKS— Flow affected by surface-mined areas.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	1.1	1.2	1.4	1.6	2.0	2.7	3.4	5.1
5	.7	.8	1.0	1.1	1.3	1.8	2.2	3.1
10	.5	.6	.8	.8	1.0	1.4	1.8	2.3
20	.4	.4	.4	.4	.5	.7	1.3	1.3
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	2.6	2.9	3.5
June–Aug.	.8	.9	1.0
Sept.–Nov.	.7	.8	.9
Dec.–Feb.	1.0	1.1	1.3

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	209	20	17	80	2.5
.9	159	30	12	90	1.7
1.0	150	40	8.7	95	1.3
2.0	100	50	6.6	98	.97
5.0	50	60	4.9	99	.70
10	29	70	3.5	99.5	.60

03342300 BUSSERON CREEK NEAR SULLIVAN, INDIANA

LOCATION—Lat 39°04′33″, long 87°23′11″, in SE1/4NW1/4 sec.2, T.7 N., R.9 W., Sullivan County, Hydrologic Unit 05120111, on left bank at upstream side of bridge on State Highway 54, 1.5 mi southeast of Sullivan, 1.6 mi east of intersection of U.S. Highway 41 and State Highway 54; 1.7 mi upstream from Buttermilk Creek, and at mile 16.7.

DRAINAGE AREA—138 mi^2.

PERIOD OF RECORD— June 1966 to September 1986 (discontinued).

AVERAGE DISCHARGE— 154 ft^3/s.

MINIMUM DAILY DISCHARGE—0.90 ft^3/s.

REMARKS— Flow affected by surface-mined areas and U.S. Soil Conservation Service floodwater-retarding structures.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	3.7	3.8	4.4	5.2	6.8	10	18	34
5	2.3	2.4	2.8	3.3	4.1	5.9	9.3	18
10	1.7	1.9	2.2	2.6	3.1	4.4	7.0	12
20	1.4	1.5	1.8	2.2	2.4	3.4	5.7	9.0
50	1.1	1.2	1.4	1.7	1.8	2.6	4.5	6.2

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	12	13	17
June–Aug.	2.0	2.2	2.7
Sept.–Nov.	1.6	1.8	2.7
Dec.–Feb.	5.7	6.8	8.0

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2250	20	181	80	11
.9	1730	30	107	90	5.9
1.0	1680	40	67	95	4.0
2.0	1290	50	43	98	2.9
5.0	717	60	28	99	2.6
10	389	70	18	99.5	2.2

03342500 BUSSERON CREEK NEAR CARLISLE, INDIANA

LOCATION—Lat 38°58′27″, long 87°25′33″, in NW1/4 survey 17, Vincennes Tract, Sullivan County, Hydrologic Unit 05120111, on left bank 10 ft downstream from bridge on State Highway 58; 1.5 mi northwest of Carlisle, and 6.7 mi upstream from mouth.

DRAINAGE AREA—228 mi^2.

PERIOD OF RECORD— October 1943 to current year.

AVERAGE DISCHARGE— 230 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Flow affected by U.S. Soil Conservation Service floodwater-retarding structures and surface-mined areas.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	3.9	4.2	4.7	5.7	9.1	13	29	47
5	1.1	1.2	1.5	2.1	2.8	5.0	11	17
10	.5	.5	.7	1.1	1.2	3.0	6.1	9.4
20	.2	.2	.3	.5	.5	1.9	3.7	5.3
50	.0	.0	.0	.0	.2	1.1	2.0	2.7

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	10	13	18
June–Aug.	1.2	1.4	1.8
Sept.–Nov.	.6	.7	1.1
Dec.–Feb.	2.3	2.9	3.8

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	3280	20	254	80	11
.9	2690	30	141	90	5.2
1.0	2610	40	85	95	2.6
2.0	1960	50	55	98	1.2
5.0	1230	60	33	99	.53
10	653	70	20	99.5	.24

03343000 WABASH RIVER AT VINCENNES, INDIANA

LOCATION—Lat 38°42′19″, long 87°31′14″, T.3 N., R.10 W., Lawrence County, Ill., Hydrologic Unit 05120111, on right bank 30 ft east of Illinois State Highway 33; 300 ft upstream from Kelso Creek, 570 ft downstream from U.S. Highway 50 bridge, 5.1 mi downstream from Maria Creek, 7.5 mi upstream from Embarras River and at mile 129.6.

DRAINAGE AREA—13,706 mi^2.

PERIOD OF RECORD— October 1929 to current year.

AVERAGE DISCHARGE— 12,310 ft^3/s.

MINIMUM DAILY DISCHARGE— 770 ft^3/s.

REMARKS— Flow partially regulated by upstream reservoirs. Low-flow statistics are calculated for the regulated period, 1969 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	2570	2620	2730	2880	3180	3740	5000	6840
5	1970	2010	2080	2150	2320	2580	3340	4540
10	1710	1740	1790	1850	1980	2140	2690	3570
20	1520	1550	1580	1630	1730	1840	2250	2880
50	1330	1350	1370	1410	1490	1570	1830	2230

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	4110	4310	4740
June–Aug.	2110	2170	2300
Sept.–Nov.	1950	2010	2090
Dec.–Feb.	2320	2380	2580

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	65500	20	22700	80	4410
.9	58400	30	16200	90	3160
1.0	57400	40	12200	95	2570
2.0	50600	50	9320	98	2090
5.0	40400	60	7250	99	1770
10	32800	70	5760	99.5	1510

03347000 WHITE RIVER AT MUNCIE, INDIANA

LOCATION—Lat 40°12′15″, long 85°23′14″, in SE1/4NW1/4, Delaware County, Hydrologic Unit 05120201, on right bank 200 ft downstream from Walnut Street bridge in Muncie, 6 mi upstream from Bell Creek, and at mile 315.8.

DRAINAGE AREA—241 mi^2.

PERIOD OF RECORD— November 1930 to current year.

AVERAGE DISCHARGE— 215 ft^3/s.

MINIMUM DAILY DISCHARGE— 1.1 ft^3/s.

REMARKS— Natural flow affected by regulation of Prairie Creek Reservoir and by diversion of municipal water supply by Muncie Water Works Co. above gage.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	6.1	6.8	8.0	9.9	13	17	30	48
5	2.7	3.1	3.7	4.5	6.0	8.6	14	23
10	1.8	2.0	2.4	2.9	4.0	6.1	10	16
20	1.2	1.4	1.7	2.1	2.9	4.7	7.6	12
50	1.1	1.2	1.2	1.4	1.7	3.0	5.7	8.8

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	24	27	34
June–Aug.	2.7	3.4	4.5
Sept.–Nov.	2.4	2.9	3.6
Dec.–Feb.	7.9	10	13

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	3240	20	252	80	21
.9	2490	30	158	90	12
1.0	2410	40	109	95	6.6
2.0	1730	50	75	98	4.1
5.0	890	60	51	99	3.2
10	486	70	33	99.5	2.3

03347500 BUCK CREEK NEAR MUNCIE, INDIANA

LOCATION—Lat 40°08′05″, long 85°22′25″, in SW1/4SE1/4 sec.34, T.20 N., R.10 E., Delaware County, Hydrologic Unit 05120201, on left bank at downstream side of bridge on County Road 400 South, 1.0 mi upstream from Muncie Water Works Co. pumping station, 4.2 mi southeast of Court House in Muncie, and at mile 10.6.

DRAINAGE AREA—35.5 mi^2.

PERIOD OF RECORD— October 1954 to current year.

AVERAGE DISCHARGE— 37.3 ft^3/s.

MINIMUM DAILY DISCHARGE—4.7 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	11	11	11	12	13	14	17	20
5	7.7	7.9	8.4	9.0	9.5	10	12	14
10	6.4	6.7	7.2	7.7	8.2	9.0	10	12
20	5.5	5.7	6.3	6.9	7.3	8.1	8.9	9.9
50	4.6	4.8	5.5	6.0	6.4	7.3	7.8	8.3

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	14	15	16
June–Aug.	8.8	8.9	9.4
Sept.–Nov.	7.6	8.1	8.4
Dec.–Feb.	8.3	9.0	9.8

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	364	20	44	80	15
.9	274	30	35	90	12
1.0	263	40	29	95	9.9
2.0	186	50	25	98	8.4
5.0	106	60	21	99	7.9
10	67	70	18	99.5	7.2

03348000 WHITE RIVER AT ANDERSON, INDIANA

LOCATION—Lat 40°06′20″, long 85°40′16″, in NW1/4NW1/4 sec.18, T.19 N., R.8 E., Madison County, Hydrologic Unit 05120201, on downstream side of abandoned Twelfth Street bridge abutment, 250 ft upstream from municipal water-supply plant in Anderson, 1 mi upstream from Killbuck Creek, and at mile 293.3.

DRAINAGE AREA—406 mi^2.

PERIOD OF RECORD— October 1931 to September 1993 (discontinued).

AVERAGE DISCHARGE— 394 ft^3/s.

MINIMUM DAILY DISCHARGE—9.1 ft^3/s.

REMARKS— Prior to Sept. 15, 1973, the City of Anderson diverted water for its municipal supply above the gage then in use.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	54	55	58	63	69	79	101	133
5	33	34	37	40	45	50	64	82
10	24	26	28	31	36	40	51	65
20	16	18	23	25	30	34	44	54
50	9.3	12	14	16	22	22	32	45

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	75	83	98
June–Aug.	32	35	40
Sept.–Nov.	28	31	33
Dec.–Feb.	49	52	57

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	5000	20	472	80	87
.9	3900	30	323	90	63
1.0	3750	40	241	95	49
2.0	2630	50	185	98	37
5.0	1460	60	144	99	29
10	847	70	111	99.5	24

03348020 KILLBUCK CREEK NEAR GASTON, INDIANA

LOCATION—Lat 40°15′45″, long 85°30′53″, in SE1/4SW1/4 sec.16, T.21 N., R.9 E., Delaware County, Hydrologic Unit 05120201, on right bank 30 ft upstream from bridge on County Road 500 North, 3.6 mi southwest of Gaston, and at mile 15.6.

DRAINAGE AREA—25.5 mi^2.

PERIOD OF RECORD— June 1968 to September 1991 (discontinued).

AVERAGE DISCHARGE— 26.4 ft^3/s.

MINIMUM DAILY DISCHARGE—0.76 ft^3/s.

REMARKS— None

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	2.3	2.3	2.5	2.7	3.0	3.7	5.4	8.7
5	1.3	1.3	1.4	1.6	1.7	2.1	2.9	4.6
10	1.0	1.0	1.1	1.2	1.3	1.6	2.2	3.3
20	.8	.8	.9	1.0	1.1	1.3	1.8	2.5
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	5.2	5.7	6.7
June–Aug.	1.6	1.7	1.9
Sept.–Nov.	1.1	1.2	1.4
Dec.–Feb.	2.6	2.8	3.0

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	319	20	33	80	4.6
.9	264	30	22	90	3.0
1.0	252	40	16	95	2.0
2.0	182	50	12	98	1.5
5.0	99	60	8.7	99	1.2
10	58	70	6.4	99.5	1.0

03348350 PIPE CREEK AT FRANKTON, INDIANA

LOCATION—Lat 40°13′38″, long 85°45′58″, in SE1/4NE1/4 sec.31, T.21 N., R.7 E., Madison County, Hydrologic Unit 05120201, on right bank 20 ft downstream from bridge on County Road 500 West, at northeast edge of Frankton.

DRAINAGE AREA—113 mi^2.

PERIOD OF RECORD— May 1968 to current year.

AVERAGE DISCHARGE— 109 ft^3/s.

MINIMUM DAILY DISCHARGE— 3.0 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	7.0	7.3	7.9	8.8	9.8	13	20	32
5	4.7	4.9	5.2	5.7	6.3	7.1	10	16
10	3.9	4.0	4.3	4.7	5.2	5.6	7.6	12
20	3.3	3.4	3.6	4.0	4.5	4.7	6.2	9.4
50	2.8	2.9	3.0	3.3	3.9	4.0	5.0	7.2

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	17	18	21
June–Aug.	5.1	5.5	6.2
Sept.–Nov.	4.4	4.7	5.1
Dec.–Feb.	10	11	11

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1440	20	130	80	15
.9	1170	30	82	90	9.7
1.0	1110	40	58	95	7.6
2.0	787	50	43	98	5.8
5.0	461	60	31	99	4.7
10	261	70	22	99.5	3.9

03348500 WHITE RIVER NEAR NOBLESVILLE, INDIANA

LOCATION—Lat 40°07′46″, long 85°57′46″, in NE1/4NE1/4 sec.4, T.19 N., R.5 E., Hamilton County, Hydrologic Unit 05120201, near center of span on downstream side of highway bridge, 1 mi west of Strawtown, 7 mi northeast of Noblesville, 9.5 mi upstream from Cicero Creek, and at mile 277.4.

DRAINAGE AREA—828 mi^2.

PERIOD OF RECORD— May 1915 to September 1926, October 1928 to September 1974 (discontinued).

AVERAGE DISCHARGE— 794 ft^3/s.

MINIMUM DAILY DISCHARGE— 39 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	97	101	105	110	121	137	187	241
5	71	74	77	81	89	97	124	153
10	60	63	66	69	76	83	102	123
20	52	55	57	60	67	74	87	103
50	45	47	49	51	58	66	74	85

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	167	186	218
June–Aug.	73	77	83
Sept.–Nov.	66	69	72
Dec.–Feb.	93	98	106

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	9580	20	993	80	148
.9	7880	30	658	90	115
1.0	7560	40	472	95	96
2.0	5260	50	350	98	77
5.0	3000	60	255	99	67
10	1820	70	192	99.5	59

03349000 WHITE RIVER AT NOBLESVILLE, INDIANA

LOCATION—Lat 40°02′50″, long 86°01′00″, in SE1/4SE1/4 sec.36, T.19 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, on right bank at downstream side of Logan Street bridge in Noblesville, 1.5 mi upstream from Cicero Creek, 5.1 mi downstream from dam at Clare, and at mile 263.5.

DRAINAGE AREA—858 mi^2.

PERIOD OF RECORD— October 1946 to current year.

AVERAGE DISCHARGE— 862 ft^3/s.

MINIMUM DAILY DISCHARGE—44 ft^3/s.

REMARKS— Flow partially regulated by powerplant above station.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	106	115	122	132	148	167	220	293
5	78	87	92	99	108	119	144	185
10	67	76	81	86	93	104	121	149
20	60	68	73	78	84	96	107	127
50	53	61	65	70	75	88	94	107

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	205	231	256
June–Aug.	94	101	110
Sept.–Nov.	78	83	89
Dec.–Feb.	115	123	134

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	9070	20	1110	80	182
.9	7510	30	749	90	138
1.0	7160	40	541	95	113
2.0	5290	50	409	98	97
5.0	3280	60	312	99	87
10	1980	70	239	99.5	80

03349500 CICERO CREEK NEAR ARCADIA, INDIANA

LOCATION—Lat 40°10′34″, long 85°59′43″, in NW1/4NW1/4 sec.20, T.20 N., R.5 E., Hamilton County, Hydrologic Unit 05120201, on left bank at downstream side of bridge, 1.5 mi east of Arcadia, 12.5 mi upstream from Morse Dam, and at mile 17.2.

DRAINAGE AREA—131 mi^2.

PERIOD OF RECORD— October 1954 to September 1976.

AVERAGE DISCHARGE— 122 ft^3/s.

MINIMUM DAILY DISCHARGE—0.50 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	2.1	2.3	2.6	3.0	4.0	6.9	16	30
5	1.1	1.3	1.5	1.7	2.0	3.0	5.6	13
10	.8	.9	1.1	1.2	1.5	2.0	3.2	7.9
20	.6	.7	.9	1.2	1.2	1.4	2.1	5.3
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	14	16	19
June–Aug.	1.3	1.4	1.8
Sept.–Nov.	1.0	1.2	1.4
Dec.–Feb.	2.3	2.9	4.1

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1580	20	153	80	7.7
.9	1330	30	94	90	3.4
1.0	1270	40	61	95	2.1
2.0	906	50	40	98	1.6
5.0	556	60	25	99	1.2
10	309	70	15	99.5	1.0

03349700 LITTLE CICERO CREEK NEAR ARCADIA, INDIANA

LOCATION—Lat 40°10′32″, long 86°02′45″, in NE1/4NW1/4 sec.23, T.20 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, on left bank at downstream side of county road bridge, 0.5 mi downstream from Taylor Creek, 1.3 mi west of Arcadia, 3.9 mi upstream from mouth, and 9.3 mi northwest of Noblesville.

DRAINAGE AREA—40.4 mi^2.

PERIOD OF RECORD— October 1955 to September 1976 (discontinued).

AVERAGE DISCHARGE— 39.7 ft^3/s.

MINIMUM DAILY DISCHARGE— No flow at times during many years.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.3	0.3	0.4	0.6	0.9	1.7	3.6	8.2
5	.0	.0	.0	.0	.1	.2	1.0	3.2
10	.0	.0	.0	.0	.0	.0	.5	1.9
20	.0	.0	.0	.0	.0	.0	.2	1.2
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	3.0	3.8	4.7
June–Aug.	.1	.1	.2
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.5	.7	.9

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	654	20	50	80	1.8
.9	485	30	28	90	.78
1.0	463	40	18	95	.25
2.0	320	50	11	98	.02
5.0	172	60	6.8	99	.01
10	99	70	3.5	99.5	.01

03350100 HINKLE CREEK NEAR CICERO, INDIANA

LOCATION—Lat 40°06′05″, long 86°05′10″, in NW1/4NW1/4 sec.16, T.19 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, on left bank at downstream side of county road bridge, 3.7 mi above mouth, 4.0 mi upstream from Morse Reservoir Dam, 4.2 mi southwest of Cicero, and 5.7 mi northwest of Noblesville.

DRAINAGE AREA—18.5 mi^2.

PERIOD OF RECORD— October 1955 to September 1976 (discontinued).

AVERAGE DISCHARGE— 19.6 ft^3/s.

MINIMUM DAILY DISCHARGE—0.07 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.5	0.5	0.6	0.8	0.9	1.3	2.3	4.2
5	.2	.2	.3	.3	.4	.6	1.1	2.0
10	.2	.2	.2	.2	.3	.4	.7	1.4
20	.1	.1	.1	.2	.2	.3	.5	1.1
50	.1	.1	.1	.1	.1	.2	.4	.8

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	2.7	3.0	3.5
June–Aug.	.3	.3	.4
Sept.–Nov.	.2	.2	.2
Dec.–Feb.	.6	.9	1.2

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	360	20	21	80	1.5
.9	266	30	14	90	.89
1.0	247	40	9.5	95	.64
2.0	146	50	6.4	98	.37
5.0	74	60	4.1	99	.24
10	43	70	2.5	99.5	.16

03350500 CICERO CREEK AT NOBLESVILLE, INDIANA

LOCATION—Lat 40°03′20″, long 86°02′30″, in NW1/4NE1/4 sec.35, T.19 N., R.4 E., Hamilton County, Hydrologic Unit 05120201, on right bank 150 ft downstream from bridge on Stage Highway 38, 1.0 mi northwest of Noblesville, 1.6 mi downstream from Morse Reservoir, 1.9 mi downstream from Hinkle Creek, and 3.2 mi upstream from mouth.

DRAINAGE AREA—216 mi^2.

PERIOD OF RECORD— July 1950 to September 1980 and October 1985 to September 1992 (discontinued).

AVERAGE DISCHARGE— 197 ft^3/s.

MINIMUM DAILY DISCHARGE—0.25 ft^3/s.

REMARKS— Flow regulated by Morse Reservoir. Low-flow statistics are calculated for the regulated period 1958 to 1980, and 1985 to 1992.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	1.4	1.6	1.9	2.6	4.2	9.7	23	44
5	.8	.9	1.0	1.3	1.7	3.2	8.2	19
10	.6	.7	.8	.9	1.0	1.7	4.6	12
20	.3	.5	.6	.7	.8	1.0	2.9	9.0
50	.2	.4	.4	.5	.5	.6	1.6	2.3

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	11	23	34
June–Aug.	1.1	1.3	2.2
Sept.–Nov.	.8	.8	1.0
Dec.–Feb.	1.2	1.8	3.0

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2830	20	246	80	12
.9	2220	30	155	90	2.7
1.0	2130	40	106	95	1.7
2.0	1510	50	74	98	1.1
5.0	862	60	48	99	.90
10	486	70	28	99.5	.74

03350700 STONY CREEK NEAR NOBLESVILLE, INDIANA

LOCATION—Lat 40°01′44″, long 85°59′44″, in NE1/4NE1/4 sec.7, T.18 N., R.5 E., Hamilton County, Hydrologic Unit 05120201, on right bank, between dual bridges on State Highway 37; 1.4 mi upstream from mouth, and 1.4 miles southeast of Noblesville.

DRAINAGE AREA—50.8 mi^2.

PERIOD OF RECORD— July 1967 to current year.

AVERAGE DISCHARGE— 50.6 ft^3/s.

MINIMUM DAILY DISCHARGE—1.2 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	5.7	5.8	6.1	6.5	7.0	8.4	12	18
5	3.5	3.7	3.8	4.0	4.2	4.9	6.2	10
10	2.6	2.7	2.9	3.0	3.2	3.7	4.5	7.4
20	1.5	1.6	1.8	1.9	2.2	3.0	4.2	4.9
50	.7	.8	1.0	1.2	1.3	2.4	3.2	4.2

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	10	12	14
June–Aug.	3.5	3.6	4.0
Sept.–Nov.	2.8	3.0	3.2
Dec.–Feb.	5.7	6.3	6.8

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	581	20	67	80	8.9
.9	465	30	46	90	6.1
1.0	445	40	33	95	4.6
2.0	303	50	24	98	3.6
5.0	184	60	18	99	3.1
10	117	70	13	99.5	2.6

03351000 WHITE RIVER NEAR NORA, INDIANA

LOCATION—Lat 39°54′35″, long 86°06′20″, in NW1/4NW1/4 sec.20, T.17 N., R.4 E., Marion County, Hydrologic Unit 05120201, on downstream side of center pier of bridge on 82nd Street, 2 mi east of Nora, 14 mi upstream from Fall Creek, and at mile 247.9.

DRAINAGE AREA—1,219 mi^2.

PERIOD OF RECORD— October 1929 to current year.

AVERAGE DISCHARGE— 1,138 ft^3/s.

MINIMUM DAILY DISCHARGE—49 ft^3/s.

REMARKS— Prior to October 1948, published as West Fork White River near Nora. Flow partially regulated by Morse Reservoir. Low-flow statistics calculated for regulated period, 1957 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	160	165	172	183	201	234	307	411
5	124	128	134	141	151	163	193	250
10	111	115	120	127	134	141	158	197
20	102	105	111	118	124	128	137	164
50	93	97	103	109	115	118	119	135

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	277	320	357
June–Aug.	146	154	163
Sept.–Nov.	116	122	129
Dec.–Feb.	152	161	174

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	12200	20	1570	80	246
.9	9720	30	1070	90	184
1.0	9410	40	782	95	158
2.0	7060	50	591	98	141
5.0	4450	60	446	99	129
10	2750	70	337	99.5	122

03351310 CROOKED CREEK AT INDIANAPOLIS, INDIANA

LOCATION—Lat 39°49′47″, long 86°12′22″, in NW1/4SE1/4 sec.16, T.16 N., R.3 E., Marion County, Hydrologic Unit 05120201, on left bank 150 ft downstream from 42nd Street bridge in Indianapolis, and at mile 1.6.

DRAINAGE AREA—17.9 mi^2.

PERIOD OF RECORD— June 1969 to current year.

AVERAGE DISCHARGE— 19.4 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	1.1	1.2	1.3	1.6	2.3	3.1	5.2	7.5
5	.6	.7	.8	1.0	1.3	1.9	3.0	4.4
10	.4	.5	.6	.7	1.0	1.4	2.2	3.3
20	.3	.3	.4	.4	.8	1.1	1.7	2.6
50	.0	.0	.0	.0	.6	.8	1.3	1.9

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	2.8	3.1	3.9
June–Aug.	.9	1.0	1.1
Sept.–Nov.	.6	.7	.8
Dec.–Feb.	1.1	1.4	1.6

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	333	20	22	80	2.9
.9	217	30	15	90	1.8
1.0	207	40	11	95	1.3
2.0	132	50	7.9	98	.80
5.0	70	60	5.8	99	.61
10	40	70	4.2	99.5	.38

03351400 SUGAR CREEK NEAR MIDDLETOWN, INDIANA

LOCATION—Lat 40°02′27″, long 85°31′30″, in NW1/4SE1/4 sec.5, T.18 N., R.9 E., Henry County, Hydrologic Unit 05120201, on right bank 90 ft upstream from bridge on County Road 750 North, 1 mi southeast of Middletown.

DRAINAGE AREA—5.80 mi^2.

PERIOD OF RECORD— October 1968 to September 1989 (discontinued).

AVERAGE DISCHARGE— 5.76 ft^3/s.

MINIMUM DAILY DISCHARGE—0.02 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.1	0.1	0.1	0.1	0.2	0.2	0.4	1.2
5	.0	.0	.0	.1	.1	.1	.2	.4
10	.0	.0	.0	.0	.1	.1	.1	.2
20	.0	.0	.0	.0	.0	.1	.1	.2
50	.0	.0	.0	.0	.0	.1	.1	.1

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.4	0.4	0.5
June–Aug.	.0	.0	.1
Sept.–Nov.	.0	.0	.1
Dec.–Feb.	.1	.2	.2

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	104	20	5.9	80	.28
.9	78	30	3.6	90	.15
1.0	73	40	2.4	95	.11
2.0	49	50	1.5	98	.07
5.0	25	60	.95	99	.05
10	13	70	.54	99.5	.05

03351500 FALL CREEK NEAR FORTVILLE, INDIANA

LOCATION—Lat 39°57′15″, long 85°52′05″, in NW1/4NE1/4 sec.5, T.17 N., R.6 E., Hamilton County, Hydrologic Unit 05120201, on right bank 100 ft downstream from bridge on State Highway 238; 0.2 mi downstream from Lick Creek, 2 mi northwest of Fortville, and at mile 26.1.

DRAINAGE AREA—169 mi^2.

PERIOD OF RECORD— July 1941 to current year.

AVERAGE DISCHARGE— 171 ft^3/s.

MINIMUM DAILY DISCHARGE— 7.0 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	26	27	28	29	32	36	47	65
5	17	18	19	20	22	25	31	42
10	14	15	15	16	18	21	26	34
20	12	12	13	14	16	19	23	29
50	9.4	10	11	12	14	16	21	24

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	52	57	62
June–Aug.	18	19	21
Sept.–Nov.	14	14	15
Dec.–Feb.	27	29	31

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1940	20	216	80	41
.9	1490	30	155	90	31
1.0	1420	40	118	95	26
2.0	1010	50	92	98	20
5.0	580	60	71	99	17
10	354	70	54	99.5	15

03352200 MUD CREEK AT INDIANAPOLIS, INDIANA

LOCATION—Lat 39°53′30″, long 86°00′57″, in SE1/4NE1/4 sec.25, T.17 N., R.4 E., Marion County, Hydrologic Unit 05120201, on left bank at downstream side of Lantern Road bridge, 0.2 mi northeast of 75th Street and Sargent Road intersection , 1.5 mi upstream from mouth, and 2.0 mi southeast of Castleton.

DRAINAGE AREA—42.4 mi^2.

PERIOD OF RECORD— May 1958 to September 1976 (discontinued).

AVERAGE DISCHARGE— 37.2 ft^3/s.

MINIMUM DAILY DISCHARGE—0.20 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	1.7	1.9	2.0	2.1	2.4	3.0	4.6	7.4
5	.7	.8	.8	.9	1.1	1.5	2.3	3.8
10	.4	.4	.5	.6	.7	1.1	1.7	2.7
20	.2	.3	.3	.4	.5	.8	1.3	2.1
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	6.7	8.4	9.3
June–Aug.	1.2	1.3	1.5
Sept.–Nov.	.4	.5	.6
Dec.–Feb.	1.4	1.6	1.9

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	549	20	45	80	4.0
.9	436	30	28	90	2.4
1.0	416	40	19	95	1.6
2.0	273	50	13	98	.89
5.0	152	60	8.8	99	.64
10	89	70	5.9	99.5	.46

03352500 FALL CREEK AT MILLERSVILLE, INDIANA

LOCATION—Lat 39°51′07″, long 86°05′15″, in NE1/4NE1/4 sec.9, T.16 N., R.4 E., Marion County, Hydrologic Unit 05120201, on right bank at downstream side of Emerson Way bridge at Millersville, and 9.2 mi upstream from mouth.

DRAINAGE AREA—298 mi^2.

PERIOD OF RECORD— October 1929 to current year.

AVERAGE DISCHARGE— 290 ft^3/s (1930 to 1993).

MINIMUM DAILY DISCHARGE— 7.8 ft^3/s.

REMARKS— Flow regulated by Geist Reservoir. Low-flow statistics calculated for the regulated period, 1943 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	48	50	51	54	58	63	79	107
5	37	39	41	43	46	49	55	69
10	32	34	37	39	42	45	47	56
20	28	31	34	36	39	42	42	48
50	24	27	30	33	36	39	39	40

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	72	81	93
June–Aug.	50	53	56
Sept.–Nov.	38	40	42
Dec.–Feb.	37	40	42

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	3300	20	395	80	67
.9	2640	30	268	90	55
1.0	2530	40	194	95	47
2.0	1880	50	143	98	41
5.0	1100	60	103	99	37
10	695	70	80	99.5	35

03353000 WHITE RIVER AT INDIANAPOLIS, INDIANA

LOCATION—Lat 39°45′05″, long 86°10′30″, in NW1/4NW1/4 sec.14, T.15 N., R.3 E., Marion County, Hydrologic Unit 05120201, on downstream side of second pier from right bank of Morris Street bridge in Indianapolis, 2.6 mi downstream from Fall Creek, 3.4 mi upstream from Eagle Creek, 4.0 mi upstream from Indianapolis Power and Light Company dam, and at mile 230.3.

DRAINAGE AREA—1,635 mi^2.

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

AVERAGE DISCHARGE— 1,445 ft^3/s.

MINIMUM DAILY DISCHARGE—8.0 ft^3/s.

REMARKS— Natural flow affected by regulation of Morse Reservoir and Geist Reservoir and by diversion of municipal water supply by the Indianapolis Water Company. Low-flow statistics are calculated for the regulated period, 1943 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	116	123	135	149	175	216	313	457
5	74	78	86	95	110	132	173	251
10	58	62	69	77	88	106	131	184
20	48	52	57	64	74	89	105	144
50	39	42	47	53	61	75	84	109

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	308	357	421
June–Aug.	85	95	113
Sept.–Nov.	67	75	82
Dec.–Feb.	110	122	137

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	16000	20	2040	80	233
.9	12900	30	1390	90	152
1.0	12600	40	999	95	114
2.0	9450	50	723	98	87
5.0	5790	60	522	99	73
10	3580	70	360	99.5	65

03353120 PLEASANT RUN AT ARLINGTON AVENUE AT INDIANAPOLIS, INDIANA

LOCATION—Lat 39°46′33″, long 86°03′50″, in SW1/4NW1/4 sec.2, T.15 N., R.4 E., Marion County, Hydrologic Unit 05120201, on right bank 46 ft upstream from Arlington Avenue bridge in Indianapolis, 0.5 mi downstream from small left-bank tributary, and at mile 7.9.

DRAINAGE AREA—7.58 mi^2.

PERIOD OF RECORD— December 1959 to current year.

AVERAGE DISCHARGE— 8.17 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.3	0.3	0.4	0.5	0.9	1.6	3.0	4.0
5	.1	.1	.1	.3	.6	.9	1.6	2.4
10	.0	.1	.1	.2	.4	.7	1.1	1.7
20	.0	.0	.0	.1	.3	.5	.8	1.3
50	.0	.0	.0	.0	.3	.4	.6	1.0

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.4	0.6	0.8
June–Aug.	.1	.2	.3
Sept.–Nov.	.1	.1	.2
Dec.–Feb.	.2	.3	.5

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	162	20	7.2	80	.80
.9	125	30	4.3	90	.53
1.0	117	40	2.8	95	.35
2.0	72	50	2.0	98	.23
5.0	36	60	1.5	99	.12
10	18	70	1.1	99.5	.10

03353160 PLEASANT RUN AT BROOKVILLE ROAD AT INDIANAPOLIS, INDIANA

LOCATION—Lat 39°45′52″, long 86°05′43″, in NE1/4NW1/4 sec.9, T.15 N., R.4 E., Marion County, Hydrologic Unit 05120201, on right bank at downstream side of Brookville Road bridge in Indianapolis, 2.2 mi downstream from Arlington Avenue, and at mile 5.7.

DRAINAGE AREA—10.1 mi^2.

PERIOD OF RECORD— November 1959 to May 1981.

AVERAGE DISCHARGE— 10.1 ft^3/s.

MINIMUM DAILY DISCHARGE— No flow at times in 1960-68.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.2	0.2	0.3	0.5	1.0	2.3	3.0	4.1
5	.0	.0	.0	.0	.3	.8	1.6	2.4
10	.0	.0	.0	.0	.1	.3	1.1	1.8
20	.0	.0	.0	.0	.0	.0	.8	1.4
50	.0	.0	.0	.0	.0	.0	.5	1.0

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.3	0.5	0.8
June–Aug.	.0	.0	.1
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.0	.0	.0

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	229	20	8.7	80	.84
.9	159	30	5.1	90	.37
1.0	151	40	3.5	95	.01
2.0	93	50	2.4	98	.00
5.0	42	60	1.8	99	.00
10	21	70	1.3	99.5	.00

03353180 BEAN CREEK AT INDIANAPOLIS, INDIANA

LOCATION—Lat 39°43′45″, long 86°07′14″, in NW1/4SW1/4 sec.20, T.15 N., R.4 E., Marion County, Hydrologic Unit 05120201, on left bank 80 ft upstream from Keystone Avenue bridge and west edge of Sarah Shank Golf Course in Indianapolis, and at mile 1.8.

DRAINAGE AREA—4.40 mi^2.

PERIOD OF RECORD— October 1970 to September 1993 (discontinued).

AVERAGE DISCHARGE— 5.37 ft^3/s.

MINIMUM DAILY DISCHARGE—0.30 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.9	0.9	1.0	1.2	1.5	1.9	2.7	3.3
5	.6	.7	.8	.9	1.1	1.4	2.0	2.5
10	.5	.6	.6	.8	.9	1.2	1.6	2.1
20	.4	.5	.6	.7	.8	1.0	1.4	1.9
50	.3	.4	.5	.6	.7	.8	1.2	1.6

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	1.4	1.5	1.7
June–Aug.	.7	.8	.9
Sept.–Nov.	.6	.8	1.0
Dec.–Feb.	.8	.9	1.0

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	62	20	6.1	80	1.7
.9	49	30	4.2	90	1.3
1.0	48	40	3.3	95	1.0
2.0	33	50	2.7	98	.80
5.0	19	60	2.3	99	.69
10	11	70	2.0	99.5	.61

03353200 EAGLE CREEK AT ZIONSVILLE, INDIANA

LOCATION—Lat 39°56′56″, long 86°15′22″, in SW1/4NW1/4 sec.1, T.17 N., R.2 E., Boone County, Hydrologic Unit 05120201, on downstream side of second pier from right bank of bridge on State Highway 334 at Zionsville, 200 ft upstream from Long Branch, and at mile 24.7.

DRAINAGE AREA—103 mi^2.

PERIOD OF RECORD— October 1957 to current year.

AVERAGE DISCHARGE— 101 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Low flow affected by the Zionsville well field located on the right bank below the gage before 1989.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.6	0.6	0.7	0.9	1.5	2.9	8.9	20
5	.0	.0	.0	.0	.1	.5	1.8	7.2
10	.0	.0	.0	.0	.0	.1	.7	4.1
20	.0	.0	.0	.0	.0	.0	.3	2.5
50	.0	.0	.0	.0	.0	.0	.1	1.4

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	9.6	12	15
June–Aug.	.0	.0	.1
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	2.5	2.8	3.4

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1960	20	115	80	4.6
.9	1380	30	70	90	1.5
1.0	1290	40	47	95	.44
2.0	788	50	32	98	.01
5.0	424	60	21	99	.00
10	223	70	11	99.5	.00

03353500 EAGLE CREEK AT INDIANAPOLIS, INDIANA

LOCATION—Lat 39°46′33″, long 86°15′01″, in NW1/4NW1/4 sec.6, T.15 N., R.3 E., Marion County, Hydrologic Unit 05120201, on right bank at downstream side of bridge on Lynhurst Drive, approximately 600 ft south of intersection of West 10th Street and Lynhurst Drive, 0.5 mi downstream from West 10th Street bridge, 1.0 mi upstream from Vermont Street bridge, 3.0 mi upstream from Little Eagle Creek, and 7.1 mi upstream from mouth.

DRAINAGE AREA—174 mi^2.

PERIOD OF RECORD— November 1938 to current year.

AVERAGE DISCHARGE— 159 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Flow regulated since November 1969 by Eagle Creek Reservoir, 4.7 mi upstream (see station 03353450). Low-flow statistics are calculated for the regulated period, 1970 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	6.3	7.0	7.5	8.7	10	13	28	48
5	3.7	4.1	4.4	5.0	5.9	7.4	12	22
10	2.8	3.0	3.3	3.7	4.4	5.4	7.9	14
20	2.2	2.3	2.6	2.8	3.4	4.2	5.4	9.5
50	1.6	1.7	1.9	2.1	2.5	3.2	3.4	6.0

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	8.5	11	16
June–Aug.	4.4	4.9	5.6
Sept.–Nov.	3.2	3.6	4.0
Dec.–Feb.	5.5	6.0	7.0

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2690	20	213	80	14
.9	2160	30	136	90	9.1
1.0	2050	40	77	95	6.6
2.0	1400	50	40	98	4.1
5.0	716	60	26	99	2.9
10	412	70	19	99.5	2.4

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

LOCATION—Lat 39°50′45″, long 86°14′55″, in NE1/4SW1/4 sec.7, T.16 N., R.2 E., Marion County, Hydrologic Unit 05120201, on right bank at downstream side of West 52nd Street, 0.4 mi east of Lafayette Road, 1.1 mi upstream from Guion Creek, and at mile 7.2

DRAINAGE AREA— 6.28 mi^2.

PERIOD OF RECORD—October 1989 to current year.

AVERAGE DISCHARGE— 11.3 ft^3/s.

MINIMUM DAILY DISCHARGE—0.15 ft^3/s.

REMARKS— Only the $7Q_2$ and $7Q_{10}$ were calculated due to this site having less than 10 years of record; --, indicates that no flow characteristics were computed.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	--	--	0.2	--	--	--	--	--
5	--	--	--	--	--	--	--	--
10	--	--	.1	--	--	--	--	--
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
5	45	35	5.5	65	2.3
10	24	40	4.7	70	1.9
15	15	45	4.0	75	1.6
20	11	50	3.5	80	1.3
25	7.9	55	3.1	85	1.0
30	6.4	60	2.7	90	.79

03353560 GUION CREEK ABOVE 52ND STREET AT INDIANAPOLIS, INDIANA

LOCATION—Lat 39°50′45″, long 86°13′57″, in NW1/4SW1/4 sec.08., T.16 N., R.3 E., Marion County, Hydrologic Unit 05120201, on right bank 25 ft upstream from private bridge, 0.2 mi north of West 52nd Street along Guion Road, and 1.25 mi upstream of the confluence with Little Eagle Creek.

DRAINAGE AREA— 4.10 mi^2.

PERIOD OF RECORD—October 1989 to current date.

AVERAGE DISCHARGE— 5.28 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Only the $7Q_2$ and $7Q_{10}$ were calculated due to this site having less than 10 years of record; --, indicates that no flow characteristics were computed.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	--	--	0.0	--	--	--	--	--
5	--	--	--	--	--	--	--	--
10	--	--	.0	--	--	--	--	--
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
5	22	35	2.9	65	1.1
10	12	40	2.5	70	.86
15	7.7	45	2.1	75	.62
20	5.5	50	1.8	80	.44
25	4.3	55	1.5	85	.25
30	3.5	60	1.3	90	.16

03353583 FALCON CREEK AT 30TH STREET AT INDIANAPOLIS, INDIANA

LOCATION—Lat 39°48′33″, long 86°13′56″, in NW1/4NW1/4 sec.29, T.16 N., R.03 E., Marion County, Hydrologic Unit 05120201, on left bank, 150 ft downstream from bridge on West 30th Street, 0.6 mi west of Lafayette Road, and 0.6 mi upstream of confluence with Little Eagle Creek.

DRAINAGE AREA— 4.15 mi^2.

PERIOD OF RECORD—October 1989 to current year.

AVERAGE DISCHARGE— 4.85 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Only the $7Q_2$ and $7Q_{10}$ were calculated due to this site having less than 10 years of record; --, indicates that no flow characteristics were computed.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	--	--	0.1	--	--	--	--	--
5	--	--	--	--	--	--	--	--
10	--	--	.1	--	--	--	--	--
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
5	20	35	2.7	65	0.82
10	12	40	2.3	70	.66
15	6.9	45	1.9	75	.53
20	5.1	50	1.6	80	.43
25	3.9	55	1.3	85	.34
30	3.1	60	1.1	90	.27

03353600 LITTLE EAGLE CREEK AT SPEEDWAY, INDIANA

LOCATION—Lat 39°47′15″, long 86°13′41″, in NE1/4SW1/4 sec.32, T.16 N., R.3 E., Marion County, Hydrologic Unit 05120201, on right bank at downstream side of 16th Street bridge in Speedway, 0.6 mi upstream from Dry Run, and 2.3 mi upstream from mouth.

DRAINAGE AREA—23.9 mi^2 including 5.57 mi^2 from Dry Run Basin.

PERIOD OF RECORD— October 1959 to current year.

AVERAGE DISCHARGE— 23.6 $ft^{3/}s$.

MINIMUM DAILY DISCHARGE—0.0 $ft^{3/}s$.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.55	0.65	0.80	1.2	1.7	2.9	4.9	7.1
5	.22	.22	.27	.38	.70	1.2	2.1	3.1
10	.00	.00	.11	.15	.41	.50	.95	1.4
20	.00	.00	.00	.04	.18	.33	.54	.90
50	.00	.00	.00	.00	.08	.12	.34	.73

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	1.9	2.5	3.4
June–Aug.	.25	.31	.53
Sept.–Nov.	.05	.16	.17
Dec.–Feb.	.45	.53	.82

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	425	20	24	80	2.0
.9	296	30	16	90	1.0
1.0	278	40	10	95	.59
2.0	175	50	7.2	98	.26
5.0	89	60	5.0	99	.12
10	49	70	3.3	99.5	.09

03353620 LICK CREEK AT INDIANAPOLIS, INDIANA

LOCATION—Lat 39°42′21″, long 86°06′13″, in NE1/4NE1/4 sec.32, T.15 N., R.4 E., Marion County, Hydrologic Unit 05120201, on left bank at upstream side of Sherman Drive bridge in Indianapolis, and at mile 6.2.

DRAINAGE AREA—15.6 mi^2.

PERIOD OF RECORD— October 1970 to current year.

AVERAGE DISCHARGE— 20.0 ft^3/s.

MINIMUM DAILY DISCHARGE—0.05 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.7	0.8	1.0	1.4	2.3	3.4	6.2	8.9
5	.3	.3	.4	.5	.9	1.1	3.3	5.5
10	.1	.1	.2	.3	.5	.8	2.3	4.3
20	.1	.1	.1	.2	.4	.7	1.7	3.5
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	1.1	1.7	2.6
June–Aug.	.2	.3	.4
Sept.–Nov.	.2	.3	.6
Dec.–Feb.	.9	1.0	1.0

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	309	20	23	80	2.8
.9	225	30	15	90	1.5
1.0	215	40	11	95	.83
2.0	149	50	7.5	98	.44
5.0	80	60	5.5	99	.30
10	45	70	4.0	99.5	.18

03353630 LITTLE BUCK CREEK NEAR SOUTHPORT, INDIANA

LOCATION—Lat 39°40′11″, long 86°04′57″, in SW1/4SW1/4 sec.10, T.14 N., T.4 E., Marion County, Hydrologic Unit 05120201, on right bank 5 ft upstream from Emerson Avenue bridge in Indianapolis, 1.1 mi downstream from Bunker Creek, and 2.5 mi upstream from Derbyshire Creek.

DRAINAGE AREA— 5.75 mi^2.

PERIOD OF RECORD—October 1989 to current year.

AVERAGE DISCHARGE— 9.71 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Only the $7Q_2$ and $7Q_{10}$ were calculated due to this site having less than 10 years of record; --, indicates that no flow characteristics were computed.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	--	--	0.0	--	--	--	--	--
5	--	--	--	--	--	--	--	--
10	--	--	.0	--	--	--	--	--
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
5	40	35	5.2	65	1.8
10	21	40	4.4	70	1.4
15	14	45	3.7	75	1.0
20	10	50	3.2	80	.70
25	8.1	55	2.6	85	.50
30	6.5	60	2.2	90	.29

03353635 DERBYSHIRE CREEK AT SOUTHPORT, INDIANA

LOCATION—Lat 39°40′15″, long 86°07′21″, in NE1/4SE1/4 sec.07, T.14 N., R.04 E., Marion County Hydrologic Unit 05120201, on left bank, 10 ft downstream from bridge on Derbyshire Road, and 0.3 mi upstream from mouth.

DRAINAGE AREA— 1.76 mi^2.

PERIOD OF RECORD— September 1989 to current year.

AVERAGE DISCHARGE— 3.30 ft^3/s.

MINIMUM DAILY DISCHARGE—0.03 ft^3/s.

REMARKS— Only the $7Q_2$ and $7Q_{10}$ were calculated due to this site having less than 10 years of record; --, indicates that no flow characteristics were computed.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	--	--	0.1	--	--	--	--	--
5	--	--	--	--	--	--	--	--
10	--	--	.0	--	--	--	--	--
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
5	14	35	1.8	65	0.78
10	6.2	40	1.6	70	.68
15	4.1	45	1.3	75	.59
20	3.1	50	1.2	80	.51
25	2.6	55	.99	85	.40
30	2.1	60	.89	90	.27

03353636 LITTLE BUCK CREEK AT SOUTHPORT, INDIANA

LOCATION—Lat 39°39′54″, long 86°08′11″, in SW1/4SW1/4 sec.7, T.14 N., R.4 E., Marion County, Hydrologic Unit 05120201, on left bank 50 ft downstream from Southport Road bridge in Indianapolis.

DRAINAGE AREA— 10.8 mi^2.

PERIOD OF RECORD—October 1989 to current year.

AVERAGE DISCHARGE— 18.9 ft^3/s.

MINIMUM DAILY DISCHARGE—0.13 ft^3/s.

REMARKS— Only the $7Q_2$ and $7Q_{10}$ were calculated due to this site having less than 10 years of record; --, indicates that no flow characteristics were computed.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	--	--	0.3	--	--	--	--	--
5	--	--	--	--	--	--	--	--
10	--	--	.1	--	--	--	--	--
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
5	67	35	12	65	4.6
10	38	40	10	70	3.7
15	28	45	8.8	75	3.0
20	22	50	7.6	80	2.4
25	18	55	6.6	85	1.9
30	14	60	5.6	90	1.4

03353637 LITTLE BUCK CREEK NEAR INDIANAPOLIS, INDIANA

LOCATION—Lat 39°40′00″, long 86°11′48″, in SW1/4SW1/4 sec.10, T.14 N., R.3 E., Marion County, Hydrologic Unit 05120201, on right bank, 10 ft upstream from bridge on South Belmont Street, and 2.2 mi above mouth.

DRAINAGE AREA— 17.0 mi^2.

PERIOD OF RECORD—October 1989 to current year.

AVERAGE DISCHARGE— 26.1 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Only the $7Q_2$ and $7Q_{10}$ were calculated due to this site having less than 10 years of record; --, indicates that no flow characteristics were computed.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	--	--	0.0	--	--	--	--	--
5	--	--	--	--	--	--	--	--
10	--	--	.0	--	--	--	--	--
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
5	91	35	18	65	7.5
10	54	40	16	70	6.4
15	40	45	14	75	5.4
20	32	50	12	80	4.6
25	26	55	10	85	3.7
30	22	60	8.8	90	2.8

03353660 WHITE RIVER AT WAVERLY, INDIANA

LOCATION—Lat 39°33′35″, long 86°16′29″, in NW1/4 NE1/4 Sec 23., T.13., R.2E., Morgan County, Hydrologic Unit 05120201, on left bank 82 feet upstream from bridge on State Highway 144. 0.6 mile downstream from North Bluff Creek, and at mile 211.0.

DRAINAGE AREA— 2,026 mi^2.

PERIOD OF RECORD—July 1986 to September 1988 (discontinued).

AVERAGE DISCHARGE— 1,253 ft^3/s.

MINIMUM DAILY DISCHARGE—247 ft^3/s.

REMARKS— Only the $7Q_2$ and $7Q_{10}$ were calculated due to this site having less than 10 years of record; --, indicates that no flow characteristics were computed.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	--	--	340	--	--	--	--	--
5	--	--	--	--	--	--	--	--
10	--	--	239	--	--	--	--	--
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
5	3250	35	1180	65	649
10	2510	40	1080	70	501
15	2110	45	987	75	395
20	1800	50	921	80	362
25	1540	55	850	85	335
30	1350	60	776	90	310

03353700 WEST FORK WHITE LICK CREEK AT DANVILLE, INDIANA

LOCATION—Lat 39°45′36″, long 86°30′47″, in NW1/4NE1/4 sec.10, T.15 N., R.1 W., Hendricks County, Hydrologic Unit 05120201, on downstream side of bridge on U.S. Highway 36, 0.5 mi upstream from small left-bank tributary, and 7 mi west of Avon.

DRAINAGE AREA—28.8 mi^2.

PERIOD OF RECORD— May 1958 to current year.

AVERAGE DISCHARGE— 30.8 ft^3/s.

MINIMUM DAILY DISCHARGE— 0.0 ft^3/s.

REMARKS— Low flow affected by releases from Danville Filtration Plant.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.03	0.03	0.09	0.16	0.26	0.60	2.1	5.5
5	.00	.00	.00	.02	.05	.11	.43	1.8
10	.00	.00	.00	.00	.00	.04	.17	.99
20	.00	.00	.00	.00	.00	.01	.08	.57
50	.00	.00	.00	.00	.00	.00	.03	.30

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	2.4	3.0	3.8
June–Aug.	.00	.00	.01
Sept.–Nov.	.00	.00	.00
Dec.–Feb.	.13	.19	.30

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	544	20	36	80	.77
.9	405	30	21	90	.19
1.0	376	40	13	95	.05
2.0	245	50	8.3	98	.01
5.0	134	60	4.7	99	.00
10	74	70	2.1	99.5	.00

03353800 WHITE LICK CREEK AT MOORESVILLE, INDIANA

LOCATION—Lat 39°36′28″, long 86°22′56″, in NE1/4SE1/4 sec.35, T.14 N., R.1 E., Morgan County, Hydrologic Unit 05120201, on right bank at downstream side of bridge on State Highway 42 at Mooresville, 0.9 mi downstream from McCracken Creek, 2.0 mi upstream from East Fork White Lick Creek, and at mile 11.4.

DRAINAGE AREA—212 mi^2.

PERIOD OF RECORD— August 1957 to current year.

AVERAGE DISCHARGE— 225 ft^3/s.

MINIMUM DAILY DISCHARGE—0.68 ft^3/s.

REMARKS— Pumpage from a well field above gage affects low flows.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	11	11	12	13	16	20	34	61
5	4.4	4.8	5.6	6.5	7.8	9.8	15	29
10	2.6	3.0	3.6	4.4	5.3	6.6	10	19
20	1.6	1.9	2.5	3.1	3.8	4.8	7.3	14
50	.90	1.2	1.6	2.1	2.7	3.3	5.2	9.1

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	35	39	47
June–Aug.	5.2	6.2	8.0
Sept.–Nov.	3.4	4.0	4.8
Dec.–Feb.	10	12	13

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	3730	20	263	80	25
.9	2660	30	174	90	13
1.0	2440	40	125	95	9.0
2.0	1560	50	90	98	5.7
5.0	832	60	62	99	4.2
10	489	70	40	99.5	3.2

03354000 WHITE RIVER NEAR CENTERTON, INDIANA

LOCATION—Lat 39°29′51″, long 86°24′02″, in NE1/4NE1/4 sec.10, T.12 N., R.1 E., Morgan County, Hydrologic Unit 05120201, on right bank at upstream side of bridge on Blue Bluff Road, 0.8 mi downstream from White Lick Creek, 1 mi south of Centerton, and at mile 199.3.

DRAINAGE AREA—2,444 mi^2.

PERIOD OF RECORD— October 1930 to March 1932, October 1946 to current year.

AVERAGE DISCHARGE— 2,547 ft^3/s.

MINIMUM DAILY DISCHARGE— 138 ft^3/s.

REMARKS— Flow regulated by upstream reservoirs. Low-flow statistics are calculated for the regulated period, 1946 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	338	348	365	388	438	506	674	918
5	258	266	278	291	321	357	441	578
10	228	236	246	257	279	308	366	461
20	206	215	224	234	251	276	318	385
50	187	195	204	213	226	249	277	317

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	647	748	831
June–Aug.	315	331	358
Sept.–Nov.	238	249	262
Dec.–Feb.	328	350	379

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	23300	20	3420	80	560
.9	19500	30	2390	90	405
1.0	18800	40	1790	95	339
2.0	14900	50	1380	98	293
5.0	9190	60	1050	99	271
10	5770	70	779	99.5	246

03354500 BEANBLOSSOM CREEK AT BEANBLOSSOM, INDIANA

LOCATION—Lat 39°15′45″, long 86°14′55″, in SW1/4NW1/4 sec.31, T.10 N., R.3 E., Brown County, Hydrologic Unit 05120202, on right bank 25 ft upstream from bridge on State Highway 135; 0.3 mi south of Beanblossom, 2.7 mi upstream from North Fork Beanblossom Creek, and at mile 42.1.

DRAINAGE AREA—14.6 mi^2.

PERIOD OF RECORD— October 1951 to September 1993 (discontinued).

AVERAGE DISCHARGE— 16.0 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.0	0.0	0.0	0.0	0.1	0.2	0.6	2.1
5	.0	.0	.0	.0	.0	.0	.1	.6
10	.0	.0	.0	.0	.0	.0	.1	.3
20	.0	.0	.0	.0	.0	.0	.0	.2
50	.0	.0	.0	.0	.0	.0	.0	.1

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.6	0.9	1.3
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.1	.2	.3

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	333	20	19	80	.29
.9	243	30	11	90	.01
1.0	228	40	6.4	95	.01
2.0	134	50	3.6	98	.00
5.0	64	60	1.9	99	.00
10	35	70	.80	99.5	.00

03355000 BEAR CREEK NEAR TREVLAC, INDIANA

LOCATION—Lat 39°16′40″, long 86°20′45″, in NE1/4NE1/4 sec.30, T.10 N., R.2 E., Brown County, Hydrologic Unit 05120202, on left bank 15 ft west of Bear Creek Road, 100 ft upstream from Slippery Elm Shoot Road ford, 1.1 mi northwest of Trevlac, and 1.3 mi upstream from mouth.

DRAINAGE AREA—6.94 mi^2.

PERIOD OF RECORD— May 1952 to September 1973 (discontinued).

AVERAGE DISCHARGE— 6.69 ft^3/s.

MINIMUM DAILY DISCHARGE— No flow at times most years.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8
5	.0	.0	.0	.0	.0	.0	.1	.2
10	.0	.0	.0	.0	.0	.0	.0	.1
20	.0	.0	.0	.0	.0	.0	.0	.1
50	.0	.0	.0	.0	.0	.0	.0	.0

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.0	0.0	0.2
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.0	.0	.1

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	135	20	7.2	80	.09
.9	111	30	4.0	90	.01
1.0	104	40	2.2	95	.00
2.0	63	50	1.2	98	.00
5.0	30	60	.46	99	.00
10	16	70	.21	99.5	.00

03356000 BEANBLOSSOM CREEK AT DOLAN, INDIANA

LOCATION—Lat 39°14′30″, long 86°29′57″, in NW1/4SW1/4 sec.2, T.9 N., R.1 W., Monroe County, Hydrologic Unit 05120202, on downstream side of pier of highway bridge at Dolan, 5.8 mi northeast of Bloomington, 8.2 mi downstream from Lake Lemon, and 21.5 mi upstream from mouth.

DRAINAGE AREA—100 mi^2.

PERIOD OF RECORD— April 1946 to September 1978 (discontinued).

AVERAGE DISCHARGE— 111 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Flow regulated by Lake Lemon 8.2 miles upstream. Low-flow statistics calculated for the regulated period, 1953 to 1978.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	9.5	9.7	11	13	14	16	18	25
5	3.9	4.9	6.3	8.2	10	11	13	16
10	2.1	2.8	3.3	6.1	8.3	9.4	11	13
20	.4	1.3	2.8	3.3	5.8	5.9	6.7	11
50	.2	.9	2.1	2.9	3.8	4.3	5.2	9.1

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	13	15	17
June–Aug.	2.9	3.0	4.6
Sept.–Nov.	7.3	8.3	8.6
Dec.–Feb.	11	12	12

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1710	20	110	80	16
.9	1300	30	63	90	13
1.0	1210	40	37	95	11
2.0	821	50	26	98	6.5
5.0	421	60	22	99	4.4
10	229	70	19	99.5	3.6

03357000 WHITE RIVER AT SPENCER, INDIANA

LOCATION—Lat 39°16′49″, long 86°45′42″, in NE1/4NE1/4 sec.29, T.10 N., R. 3 W., Owen County, Hydrologic Unit 05120202, on right bank at downstream side of county road bridge at the south edge of Spencer, 3.3 mi upstream from McBrides Creek, and at mile 165.9.

DRAINAGE AREA—2,980 mi^2.

PERIOD OF RECORD— July 1925 to September 1971 (discharge), October 1971 to current year (gage heights only).

AVERAGE DISCHARGE— 2,961 $ft^{3/}s$.

MINIMUM DAILY DISCHARGE— 135 $ft^{3/}s$.

REMARKS— Natural flow of stream affected by storage reservoirs.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	355	362	373	392	429	512	672	874
5	257	262	269	282	307	351	434	544
10	215	219	226	236	259	291	350	437
20	184	189	195	203	225	250	295	369
50	154	159	164	171	193	212	245	310

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	507	593	731
June–Aug.	280	291	306
Sept.–Nov.	223	232	244
Dec.–Feb.	319	330	354

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	30300	20	3910	80	544
.9	24800	30	2700	90	404
1.0	24100	40	1930	95	331
2.0	18300	50	1410	98	277
5.0	11500	60	1030	99	236
10	6910	70	731	99.5	201

03357350 PLUM CREEK NEAR BAINBRIDGE, INDIANA

LOCATION—Lat 39°45′42″, long 86°43′46″, in SW1/4SE1/4 sec.3, T.15 N., R.3 W., Putnam County, Hydrologic Unit 05120203, on right upstream wingwall of bridge on U.S. Highway 36, 0.5 mi west of Groveland, and 4.5 mi east of Bainbridge.

DRAINAGE AREA—3.00 mi^2.

PERIOD OF RECORD— July 1969 to current year.

AVERAGE DISCHARGE— 3.66 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.0
5	.0	.0	.0	.0	.0	.0	.0	.3
10	.0	.0	.0	.0	.0	.0	.0	.1
20	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.1	0.1	0.2
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.1	.1	.1

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	71	20	4.1	80	.10
.9	52	30	2.5	90	.02
1.0	49	40	1.6	95	.01
2.0	31	50	1.1	98	.00
5.0	14	60	.64	99	.00
10	7.8	70	.30	99.5	.00

03357500 BIG WALNUT CREEK NEAR REELSVILLE, INDIANA

LOCATION—Lat 39°32′11″, long 86°58′35″, in NW1/4SW1/4 sec.28, T.13 N., R.5 W., Putnam County, Hydrologic Unit 05120203, on left bank at downstream side of county highway bridge, 1.5 mi southwest of Reelsville, and 4.1 mi upstream from Mill Creek.

DRAINAGE AREA—326 mi^2.

PERIOD OF RECORD— July 1949 to current year.

AVERAGE DISCHARGE— 356 ft^3/s.

MINIMUM DAILY DISCHARGE—1.4 ft^3/s.

REMARKS— Flow partly regulated by U.S. Soil Conservation Service control structures on tributaries to Little Walnut Creek beginning in 1971. Published as Eel River near Reelsville, October 1952 to September 1956.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	18	18	19	22	25	35	61	104
5	7.8	8.3	8.9	10	12	16	28	49
10	3.5	4.2	4.5	4.8	5.6	7.6	14	28
20	2.2	2.8	3.3	3.6	4.7	5.3	12	20
50	1.4	2.1	2.5	3.1	4.6	5.2	9.8	19

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	67	74	84
June–Aug.	9.1	9.4	11
Sept.–Nov.	4.3	4.4	4.6
Dec.–Feb.	18	20	24

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	5140	20	440	80	45
.9	4040	30	294	90	24
1.0	3810	40	212	95	15
2.0	2430	50	152	98	8.5
5.0	1280	60	106	99	5.6
10	782	70	72	99.5	4.5

03358000 MILL CREEK NEAR CATARACT, INDIANA

LOCATION—Lat 39°26′00″, long 86°45′48″, in NE1/4SE1/4 sec.32, T.12 N., R.3 W., Owen County, Hydrologic Unit 05120203, on left bank at downstream side of bridge on U.S. Highway 231; 3 mi east of Cataract, and at mile 17.5.

DRAINAGE AREA—245 mi^2.

PERIOD OF RECORD— July 1949 to current year.

AVERAGE DISCHARGE— 267 ft^3/s.

MINIMUM DAILY DISCHARGE—0.10 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	6.8	6.9	7.5	8.7	10	15	34	66
5	2.5	2.6	3.0	3.5	4.6	6.5	13	27
10	1.2	1.4	1.7	2.0	3.0	4.2	7.7	16
20	.6	.8	1.0	1.2	2.1	2.9	5.0	11
50	.1	.1	.2	.2	.7	1.9	3.1	6.3

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	26	31	37
June–Aug.	3.6	4.1	5.0
Sept.–Nov.	1.4	1.7	2.2
Dec.–Feb.	5.9	8.0	11

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	4500	20	285	80	18
.9	3520	30	179	90	8.6
1.0	3410	40	120	95	5.5
2.0	2420	50	81	98	3.5
5.0	1220	60	53	99	2.6
10	600	70	33	99.5	1.8

03359000 MILL CREEK NEAR MANHATTAN, INDIANA

LOCATION—Lat 39°29′16″, long 86°55′30″, in SE1/4SE1/4 sec.11, T.12 N., R.5 W., Putnam County, Hydrologic Unit 05120203, on left bank 0.3 mi upstream from Cagles Mill Dam, 0.4 mi downstream from Cagles Mill Lake, 1.3 mi upstream from Deer Creek, 5.0 mi south of Manhattan, and at mile 2.3.

DRAINAGE AREA—294 mi^2.

PERIOD OF RECORD— May to September 1931 (fragmentary), October 1938 to current year.

AVERAGE DISCHARGE— 319 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Flow regulated by U.S. Army Corps of Engineers from Cagles Mill Lake since July 1953. Records of daily discharge provided by U.S. Army Corps of Engineers beginning Oct. 1, 1976. Low-flow statistics calculated for the regulated period, 1953 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	6.5	7.2	8.0	10	14	23	54	95
5	2.1	2.4	2.6	3.4	4.7	7.7	20	43
10	1.1	1.3	1.4	1.8	2.5	4.0	12	28
20	.6	.7	.8	1.0	1.4	2.3	7.2	19
50	.3	.4	.4	.5	.7	1.2	4.1	12

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	19	23	37
June–Aug.	2.0	2.3	3.3
Sept.–Nov.	1.4	1.7	2.1
Dec.–Feb.	4.0	5.6	6.7

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2680	20	456	80	21
.9	2510	30	214	90	8.9
1.0	2460	40	126	95	3.5
2.0	2150	50	98	98	2.2
5.0	1750	60	73	99	1.7
10	1200	70	41	99.5	.97

03359500 DEER CREEK NEAR PUTNAMVILLE, INDIANA

LOCATION—Lat 39°34′04″, long 86°52′00″, in SW1/4NW1/4 sec.16, T.13 N., R.4 W., Putnam County, Hydrologic Unit 05120203, on right bank at downstream side of bridge on State Highway 243; 0.4 mi southwest of Putnamville, 0.4 mi downstream from small left-bank tributary, and 0.8 mi downstream from Limestone Creek.

DRAINAGE AREA—59.0 mi^2.

PERIOD OF RECORD— October 1954 to September 1965, October 1967 to September 1972 (discontinued).

AVERAGE DISCHARGE— 59.9 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.5	0.5	0.6	0.8	1.3	3.2	7.0	15
5	.2	.2	.2	.3	.4	1.2	2.4	6.7
10	.1	.1	.1	.1	.2	.6	1.3	4.4
20	.1	.1	.1	.1	.1	.4	.8	3.1
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	5.0	6.8	11
June–Aug.	.3	.4	.5
Sept.–Nov.	.1	.1	.1
Dec.–Feb.	.8	1.1	1.4

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1320	20	59	80	3.1
.9	927	30	39	90	1.2
1.0	872	40	27	95	.56
2.0	485	50	18	98	.24
5.0	203	60	11	99	.13
10	108	70	6.1	99.5	.11

03360000 EEL RIVER AT BOWLING GREEN, INDIANA

LOCATION—Lat 39°22′58″, long 87°01′14″, in NE1/4NE1/4 sec.24, T.11 N., R.6 W., Clay County, Hydrologic Unit 05120203, on left bank 500 ft downstream from bridge on State Highway 46 at Bowling Green, 0.2 mi downstream from Jordan Creek, and at mile 38.4.

DRAINAGE AREA—830 mi^2.

PERIOD OF RECORD— January 1931 to current year.

AVERAGE DISCHARGE— 897 ft^3/s.

MINIMUM DAILY DISCHARGE—11 ft^3/s.

REMARKS— Flow regulated by Cataract Lake. Low-flow statistics calculated for the regulated period, 1953 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	46	48	51	57	69	94	175	297
5	26	27	28	31	35	46	82	145
10	19	20	21	22	25	31	54	98
20	15	15	16	17	18	23	38	69
50	11	11	12	12	13	16	26	47

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	140	157	181
June–Aug.	33	36	41
Sept.–Nov.	20	21	23
Dec.–Feb.	43	50	56

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	8190	20	1620	80	112
.9	6580	30	1060	90	60
1.0	6250	40	650	95	39
2.0	4350	50	414	98	26
5.0	2980	60	273	99	22
10	2300	70	178	99.5	18

03360500 WHITE RIVER AT NEWBERRY, INDIANA

LOCATION—Lat 38°55′39″, long 87°00′41″, in NE1/4NW1/4 sec.30, T.6 N., R.5 W., Greene County, Hydrologic Unit 05120202, on left bank 0.4 mi upstream from bridge on State Highway 57 at Newberry, 1.9 mi downstream from Doans Creek, and at mile 113.0.

DRAINAGE AREA—4,688 mi^2.

PERIOD OF RECORD— September 1928 to current year.

AVERAGE DISCHARGE— 4,847 ft^3/s.

MINIMUM DAILY DISCHARGE—200 ft^3/s.

REMARKS— Flow regulated by upstream reservoirs. Low-flow statistics are calculated for the regulated period, 1943 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	594	605	628	664	742	892	1260	1770
5	422	429	442	460	500	572	743	1030
10	357	363	372	385	414	462	569	767
20	312	318	325	334	356	390	459	598
50	270	276	281	287	304	325	363	449

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	1290	1490	1680
June–Aug.	552	579	622
Sept.–Nov.	370	380	392
Dec.–Feb.	493	524	590

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	39300	20	7350	80	1030
.9	33500	30	5300	90	674
1.0	32400	40	3850	95	518
2.0	25900	50	2790	98	424
5.0	17900	60	2070	99	382
10	11900	70	1470	99.5	348

03361000 BIG BLUE RIVER AT CARTHAGE, INDIANA

LOCATION—Lat 39°44′38″, long 85°34′33″, in SW1/4SW1/4 sec.18, T.15 N., R.9 E., Rush County, Hydrologic Unit 05120204, on right bank 300 ft upstream from highway bridge, 0.5 mi northwest of Carthage, 2.2 mi downstream from Three Mile Creek, and at mile 50.7.

DRAINAGE AREA—184 mi^2.

PERIOD OF RECORD— October 1950 to current year.

AVERAGE DISCHARGE— 202 ft^3/s.

MINIMUM DAILY DISCHARGE—17 ft^3/s.

REMARKS— Flow partly regulated by Big Blue River Conservancy District control structures on tributaries to Big Blue River beginning in 1969. Prior to October 1961, published as Blue River at Carthage.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	44	45	47	48	51	56	68	90
5	31	31	33	34	37	41	48	61
10	25	25	27	28	31	36	41	50
20	20	21	22	24	27	32	37	43
50	16	17	18	20	24	28	33	36

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	65	73	77
June–Aug.	32	33	35
Sept.–Nov.	28	29	32
Dec.–Feb.	40	43	45

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2150	20	245	80	63
.9	1690	30	180	90	50
1.0	1600	40	142	95	41
2.0	1090	50	116	98	33
5.0	641	60	95	99	30
10	406	70	77	99.5	25

03361500 BIG BLUE RIVER AT SHELBYVILLE, INDIANA

LOCATION—Lat 39°31'45", long 85°46'55", in SE1/4SE1/4 sec.31, T.13 N., R.7 E., Shelby County, Hydrologic Unit 05120204, on left bank 0.2 mi downstream from bridge on State Highway 9 in Shelbyville, 0.6 mi downstream from Little Blue River, and at mile 23.9.

DRAINAGE AREA—421 mi^2.

PERIOD OF RECORD— September 1943 to current year.

AVERAGE DISCHARGE— 468 ft^3/s.

MINIMUM DAILY DISCHARGE—27 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	62	63	66	69	76	88	117	173
5	44	45	47	50	54	60	74	104
10	38	39	40	43	46	50	60	79
20	34	34	36	38	41	44	52	63
50	30	31	32	34	36	39	44	49

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	121	143	155
June–Aug.	47	50	53
Sept.–Nov.	40	42	45
Dec.–Feb.	64	67	73

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	5370	20	593	80	100
.9	4310	30	416	90	73
1.0	4080	40	312	95	58
2.0	2840	50	239	98	46
5.0	1660	60	181	99	42
10	1020	70	134	99.5	40

03361650 SUGAR CREEK AT NEW PALESTINE, INDIANA

LOCATION—Lat 39°42′51″, long 85°53′08″, in SE1/4SW1/4 sec.29, T.15 N., R.6 E., Hancock County, Hydrologic Unit 05120204, on left bank 10 ft downstream from bridge on County Road 450 West, 0.5 mi south of New Palestine, 3.1 mi upstream from Little Sugar Creek, and 37.3 mi upstream from mouth.

DRAINAGE AREA—93.9 mi^2.

PERIOD OF RECORD— October 1967 to current year.

AVERAGE DISCHARGE— 103 ft^3/s.

MINIMUM DAILY DISCHARGE—2.4 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	6.4	6.6	7.3	8.1	9.6	12	22	38
5	3.8	4.0	4.5	4.9	5.6	6.8	11	21
10	2.9	3.1	3.5	3.8	4.3	5.2	8.0	15
20	2.3	2.5	2.8	3.1	3.5	4.2	6.2	11
50	1.8	1.9	2.3	2.4	2.8	3.3	4.7	8.1

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	18	19	21
June–Aug.	4.3	4.7	5.5
Sept.–Nov.	3.3	3.7	4.2
Dec.–Feb.	10	12	13

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1110	20	134	80	16
.9	920	30	90	90	9.8
1.0	887	40	65	95	6.9
2.0	687	50	49	98	4.5
5.0	402	60	36	99	3.7
10	246	70	25	99.5	3.2

03361850 BUCK CREEK AT ACTON, INDIANA

LOCATION—Lat 39°39′25″, long 85°57′27″, in NW1/4SE1/4 sec.15, T.14 N., R.5 E., Marion County, Hydrologic Unit 05120204, on left bank 30 ft downstream from McGregor Road bridge, 0.5 mi east of Acton, and 4.1 mi upstream from mouth.

DRAINAGE AREA—78.8 mi^2.

PERIOD OF RECORD— October 1967 to current year.

AVERAGE DISCHARGE— 93.0 ft^3/s.

MINIMUM DAILY DISCHARGE—0.60 ft^3/s.

REMARKS— Low flow is affected by regulation.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	2.6	3.2	4.3	5.3	6.6	9.0	16	29
5	1.4	1.9	2.7	3.3	4.0	5.0	8.1	15
10	1.0	1.4	2.2	2.6	3.1	3.8	5.8	11
20	.8	1.2	1.8	2.2	2.6	3.0	4.5	8.6
50	.6	.9	1.5	1.8	2.1	2.4	3.4	6.4

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	9.4	11	13
June–Aug.	2.2	2.9	3.4
Sept.–Nov.	1.5	2.3	2.9
Dec.–Feb.	5.3	7.0	7.8

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1450	20	108	80	10
.9	1150	30	70	90	6.1
1.0	1080	40	48	95	4.2
2.0	690	50	34	98	2.9
5.0	379	60	24	99	2.1
10	213	70	16	99.5	1.7

03362000 YOUNGS CREEK NEAR EDINBURGH, INDIANA

LOCATION—Lat 39°25′08″, long 86°00′18″, in SE1/4SW1/4 sec.5, T.11 N., R.5 E., Johnson County, Hydrologic Unit 05120204, on left bank at upstream side of county highway bridge, 0.5 mi southwest of Amity, 2.0 mi upstream from mouth, and 5 mi northwest of Edinburgh.

DRAINAGE AREA—107 mi^2.

PERIOD OF RECORD— October 1942 to current year.

AVERAGE DISCHARGE— 107 ft^3/s.

MINIMUM DAILY DISCHARGE—0.50 ft^3/s.

REMARKS— Prior to December 1942, monthly discharge only. Prior to October 1977, published as “near Edinburg."

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	2.9	3.1	3.4	3.8	4.5	6.2	12	23
5	1.6	1.7	2.0	2.2	2.7	3.6	5.7	11
10	1.1	1.3	1.5	1.7	2.1	2.8	4.0	6.9
20	.9	1.0	1.3	1.4	1.8	2.4	3.1	4.8
50	.7	.8	1.0	1.2	1.5	2.0	2.4	3.2

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	12	15	19
June–Aug.	1.9	2.2	2.6
Sept.–Nov.	1.4	1.7	1.8
Dec.–Feb.	3.6	4.2	5.3

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1730	20	125	80	7.7
.9	1280	30	78	90	4.5
1.0	1210	40	52	95	3.3
2.0	805	50	35	98	2.3
5.0	437	60	23	99	1.9
10	247	70	14	99.5	1.6

03362500 SUGAR CREEK NEAR EDINBURGH, INDIANA

LOCATION—Lat 39°21′39″, long 85°59′51″, in SW1/4SE1/4 sec.29, T.11 N., R.5 E., Johnson County, Hydrologic Unit 05120204, on left bank 50 ft upstream from highway bridge at Camp Atterbury, 1.3 mi upstream from confluence with Blue River, 1.5 mi northwest of Edinburgh, and at mile 1.3.

DRAINAGE AREA—474 mi^2.

PERIOD OF RECORD— October 1942 to current year.

AVERAGE DISCHARGE— 498 ft^3/s.

MINIMUM DAILY DISCHARGE—9.2 ft^3/s.

REMARKS— Prior to February 1943, monthly discharge only. Prior to October 1977, published as “near Edinburg."

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	37	38	40	43	48	56	85	137
5	24	25	26	27	30	34	48	74
10	19	19	20	22	24	27	37	55
20	16	16	17	19	20	23	30	42
50	13	13	14	15	16	19	24	32

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	94	110	123
June–Aug.	29	31	34
Sept.–Nov.	20	21	22
Dec.–Feb.	41	43	50

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	6140	20	625	80	70
.9	4920	30	405	90	46
1.0	4760	40	287	95	35
2.0	3540	50	208	98	26
5.0	1980	60	147	99	23
10	1170	70	101	99.5	20

03363000 DRIFTWOOD RIVER NEAR EDINBURGH, INDIANA

LOCATION—Lat 39°20′21″, long 85°59′11″, in NW1/4SW1/4 sec.4, T.10 N., R.5 E., Bartholomew County, Hydrologic Unit 05120204, on left bank at downstream side of highway bridge, 0.8 mi downstream from confluence of Big Blue River and Sugar Creek, 1.5 mi southwest of Edinburgh, and at mile 14.1.

DRAINAGE AREA—1,060 mi^2.

PERIOD OF RECORD— October 1940 to September 1991 (discontinued).

AVERAGE DISCHARGE— 1,187 ft^3/s.

MINIMUM DAILY DISCHARGE— 38 ft^3/s.

REMARKS— Prior to July 1941, monthly discharge only. Prior to October 1977, published as “near Edinburg."

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	143	146	151	158	170	193	263	392
5	104	105	109	114	121	134	168	237
10	89	90	94	98	103	115	138	183
20	79	80	83	88	92	102	119	149
50	70	71	73	78	81	92	103	118

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	301	354	390
June–Aug.	112	118	128
Sept.–Nov.	83	86	90
Dec.–Feb.	149	155	171

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	12500	20	1580	80	228
.9	10000	30	1090	90	163
1.0	9640	40	782	95	134
2.0	7040	50	582	98	110
5.0	4360	60	432	99	102
10	2720	70	311	99.5	91

03363500 FLATROCK RIVER AT ST. PAUL, INDIANA

LOCATION—Lat 39°25′03″, long 85°38′03″, in SE1/4NE1/4 sec.9, T.11 N., R.8 E., Shelby County, Hydrologic Unit 05120205, on right bank 500 ft downstream from highway bridge, 0.8 mi southwest of St. Paul, 1.5 mi downstream from Mill Creek, and at mile 34.4.

DRAINAGE AREA—303 mi^2.

PERIOD OF RECORD— October 1930 to current year.

AVERAGE DISCHARGE— 321 ft^3/s.

MINIMUM DAILY DISCHARGE—0.60 ft^3/s.

REMARKS— Prior to October 1958, published as Flatrock Creek at St. Paul.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	9.0	9.6	11	13	15	22	42	81
5	3.2	3.5	4.1	5.1	6.5	9.7	18	37
10	1.8	2.0	2.3	3.1	4.1	6.4	12	24
20	1.1	1.2	1.4	2.0	2.8	4.6	8.3	16
50	.6	.7	.8	1.2	1.8	3.2	5.6	10

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	41	49	63
June–Aug.	3.5	4.1	5.8
Sept.–Nov.	2.5	2.9	3.4
Dec.–Feb.	18	21	23

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	4300	20	427	80	29
.9	3260	30	277	90	16
1.0	3020	40	191	95	9.6
2.0	2130	50	132	98	5.0
5.0	1260	60	87	99	2.9
10	766	70	51	99.5	2.1

03363900 FLATROCK RIVER AT COLUMBUS, INDIANA

LOCATION—Lat 39°14′06″, long 85°55′36″, in NE1/4SW1/4 sec.12, T.9 N., R.5 E., Bartholomew County, Hydrologic Unit 05120205, on left bank at downstream side of bridge on U.S. Highway 31; 0.2 mi northwest of Columbus city limits, and 2.6 mi upstream from mouth.

DRAINAGE AREA—534 mi^2.

PERIOD OF RECORD— October 1967 to current year.

AVERAGE DISCHARGE— 591 ft^3/s.

MINIMUM DAILY DISCHARGE—22 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	55	56	58	62	68	80	125	220
5	36	36	38	39	42	46	64	117
10	29	30	31	31	33	36	47	82
20	25	25	26	26	27	29	36	60
50	21	21	22	22	22	24	27	41

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	139	146	162
June–Aug.	39	40	44
Sept.–Nov.	30	31	32
Dec.–Feb.	69	73	79

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	6170	20	791	80	103
.9	4680	30	563	90	61
1.0	4510	40	421	95	45
2.0	3360	50	317	98	36
5.0	2070	60	235	99	31
10	1350	70	164	99.5	28

03364000 EAST FORK WHITE RIVER AT COLUMBUS, INDIANA

LOCATION—Lat 39°12′00″, long 85°55′32″, in NE1/4NW1/4 sec.25, T.9 N., R.5 E., Bartholomew County, Hydrologic Unit 05120205, on left bank at abutment of abandoned bridge at west end of Second Street in Columbus, 0.6 mi downstream from confluence of Driftwood River and Flatrock River, 1.3 mi upstream from Haw Creek, and at mile 238.7.

DRAINAGE AREA—1,707 mi^2.

PERIOD OF RECORD— October 1947 to current year.

AVERAGE DISCHARGE— 1,861 ft^3/s.

MINIMUM DAILY DISCHARGE—87 ft^3/s.

REMARKS— Prior to January 1948, monthly discharge only.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	215	221	230	241	262	298	406	616
5	151	154	159	166	177	197	249	362
10	127	129	133	138	146	164	199	275
20	111	112	115	119	125	143	168	219
50	96	96	98	102	106	124	141	171

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	456	539	588
June–Aug.	170	178	190
Sept.–Nov.	131	135	141
Dec.–Feb.	229	242	265

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	19900	20	2490	80	357
.9	15800	30	1720	90	253
1.0	15200	40	1280	95	201
2.0	11200	50	956	98	156
5.0	6430	60	699	99	137
10	4250	70	498	99.5	122

03364200 HAW CREEK NEAR CLIFFORD, INDIANA

LOCATION—Lat 39°16′04″, long 85°51′22″, in NW1/4SW1/4 sec.34, T.10 N., R.6 E., Bartholomew County, Hydrologic Unit 05120205, on left bank 20 ft downstream from bridge on County Road 450 North, 1.2 mi southeast of Clifford, 5.8 mi northeast of Columbus, and 7.6 mi upstream from mouth.

DRAINAGE AREA—47.5 mi^2.

PERIOD OF RECORD— August 1967 to September 1991 (discontinued).

AVERAGE DISCHARGE— 49.6 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	1.5	1.5	1.7	1.9	2.4	3.4	6.4	14
5	.7	.8	.8	1.0	1.2	1.6	2.8	6.6
10	.5	.6	.6	.7	.8	1.1	1.9	4.5
20	.4	.4	.5	.6	.6	.8	1.4	3.2
50	.3	.4	.4	.4	.4	.6	1.0	2.2

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	7.4	8.3	9.2
June–Aug.	.9	1.2	1.2
Sept.–Nov.	.4	.6	.7
Dec.–Feb.	2.1	2.4	2.9

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	876	20	59	80	4.4
.9	640	30	39	90	2.4
1.0	595	40	28	95	1.5
2.0	353	50	20	98	.89
5.0	180	60	14	99	.71
10	109	70	8.1	99.5	.56

03364500 CLIFTY CREEK AT HARTSVILLE, INDIANA

LOCATION—Lat 39°16′25″, long 85°42′10″, in NW1/4NW1/4 sec.36, T.10 N., R.7 E., Bartholomew County, Hydrologic Unit 05120206, at downstream side of left abutment of county highway bridge, 0.2 mi north of Hartsville, 5.9 mi upstream from Duck Creek, and at mile 20.0.

DRAINAGE AREA—91.4 mi^2.

PERIOD OF RECORD— February 1948 to current year.

AVERAGE DISCHARGE— 96.8 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.1	0.1	0.2	0.4	0.9	2.4	9.1	25
5	.0	.0	.0	.0	.0	.4	1.4	6.6
10	.0	.0	.0	.0	.0	.0	.2	2.5
20	.0	.0	.0	.0	.0	.0	.0	1.0
50	.0	.0	.0	.0	.0	.0	.0	.3

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	8.0	9.8	12
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	1.0	1.7	2.2

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1760	20	117	80	3.7
.9	1210	30	71	90	.78
1.0	1150	40	47	95	.01
2.0	746	50	31	98	.00
5.0	369	60	19	99	.00
10	221	70	9.4	99.5	.00

03365000 SAND CREEK NEAR BREWERSVILLE, INDIANA

LOCATION—Lat 39°05′03″, long 85°39′32″, in NW1/4NE1/4 sec.5, T.7 N., R.8 E., Jennings County, Hydrologic Unit 05120206, on left bank at downstream side of county highway bridge, 2.5 mi west of Brewersville, 5.7 mi upstream from Wyaloosing Creek, and 16.0 mi upstream from mouth.

DRAINAGE AREA—155 mi^2.

PERIOD OF RECORD— February 1948 to September 1986 (discontinued).

AVERAGE DISCHARGE— 173 ft^3/s.

MINIMUM DAILY DISCHARGE— No flow at times.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	1.6	1.7	2.0	2.8	4.5	9.0	19	37
5	.3	.4	.4	.4	1.0	1.7	5.5	14
10	.0	.0	.0	.0	.0	.5	2.7	7.7
20	.0	.0	.0	.0	.0	.1	.86	2.9
50	.0	.0	.0	.0	.0	.0	.54	2.1

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	12	14	17
June–Aug.	.5	.5	.8
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	3.9	4.9	6.8

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	3060	20	189	80	9.4
.9	2340	30	114	90	3.8
1.0	2150	40	77	95	1.6
2.0	1450	50	49	98	.11
5.0	737	60	30	99	.01
10	380	70	18	99.5	.00

03365500 EAST FORK WHITE RIVER AT SEYMOUR, INDIANA

LOCATION—Lat 38°58′57″, long 85°53′57″, in NW1/4NE1/4 sec.7, T.6 N., R.6 E., Jackson County, Hydrologic Unit 05120206, on left bank 1,700 ft downstream from highway bridge, 1 mi north of Seymour, 9.5 mi downstream from Sand Creek, and at mile 214.6.

DRAINAGE AREA—2,341 mi^2.

PERIOD OF RECORD— October 1927 to current year.

AVERAGE DISCHARGE— 2,486 ft^3/s.

MINIMUM DAILY DISCHARGE—86 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	268	275	285	295	317	369	502	755
5	189	196	202	209	222	246	304	434
10	160	167	172	177	189	205	242	325
20	141	147	151	157	168	179	203	256
50	122	129	132	138	149	156	169	196

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	505	547	648
June–Aug.	212	220	235
Sept.–Nov.	171	175	181
Dec.–Feb.	253	268	292

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	27700	20	3300	80	414
.9	22500	30	2260	90	297
1.0	21700	40	1640	95	236
2.0	15100	50	1210	98	198
5.0	9310	60	879	99	178
10	5640	70	602	99.5	163

03366000 GRAHAM CREEK NEAR VERNON, INDIANA

LOCATION—Lat 38°55′47″, long 85°33′45″, in NW1/4SE1/4 sec.30, T.6 N., R.9 E., Jennings County, Hydrologic Unit 05120207, on right bank 10 ft upstream from State Highway 7; 4.7 mi southeast of Vernon, and 8.0 mi downstream from Little Graham Creek.

DRAINAGE AREA—77.2 mi^2.

PERIOD OF RECORD— June 1955 to September 1973.

AVERAGE DISCHARGE— 93.2 ft^3/s.

MINIMUM DAILY DISCHARGE— No flow at times most years.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.0	0.0	0.0	0.1	0.4	1.0	4.1	14
5	.0	.0	.0	.0	.0	.1	.6	3.6
10	.0	.0	.0	.0	.0	.0	.1	1.5
20	.0	.0	.0	.0	.0	.0	.0	.6
50	.0	.0	.0	.0	.0	.0	.0	.2

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	2.0	2.7	4.8
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	1.0	1.6	2.3

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2120	20	78	80	1.5
.9	1590	30	43	90	.33
1.0	1500	40	26	95	.02
2.0	968	50	15	98	.00
5.0	417	60	8.7	99	.00
10	189	70	4.2	99.5	.00

03366200 HARBERTS CREEK NEAR MADISON, INDIANA

LOCATION—Lat 38°46′55″, long 85°29′08″, in SW1/4SE1/4 sec.14, T.4 N., R.9 E., Jefferson County, Hydrologic Unit 05120207, attached to left downstream wingwall of bridge on County Road 533 West, 0.2 mi west of Smyrna, 3.7 mi upstream from Big Creek, and 4 mi northwest of Madison.

DRAINAGE AREA—9.31 mi^2.

PERIOD OF RECORD— August 1968 to current year.

AVERAGE DISCHARGE— 13.0 ft^3/s.

MINIMUM DAILY DISCHARGE— No flow at times most years.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.0	0.0	0.0	0.1	0.2	0.5	1.3	2.9
5	.0	.0	.0	.0	.0	.2	.6	1.4
10	.0	.0	.0	.0	.0	.1	.4	1.1
20	.0	.0	.0	.0	.0	.1	.3	.7
50	.0	.0	.0	.0	.0	.0	.3	.5

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.4	0.6	0.7
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.2	.4	.6

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	283	20	12	80	.38
.9	218	30	6.6	90	.10
1.0	207	40	4.1	95	.02
2.0	129	50	2.5	98	.00
5.0	60	60	1.5	99	.00
10	27	70	.83	99.5	.00

03366500 MUSCATATUCK RIVER NEAR DEPUTY, INDIANA

LOCATION—Lat 38°48′15″, long 85°40′26″, in SW1/4NE1/4 sec.7, T.4 N., R.8 E., Jefferson County, Hydrologic Unit 05120207, on left bank at downstream side of highway bridge, 1.4 mi northwest of Deputy, 1.9 mi upstream from Coffee Creek, 2.4 mi downstream from confluence of Graham Creek and Big Creek, and at mile 50.0.

DRAINAGE AREA—293 mi^2.

PERIOD OF RECORD— November 1947 to current year.

AVERAGE DISCHARGE— 349 ft^3/s.

MINIMUM DAILY DISCHARGE— No flow at times most years.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	1.2	1.3	1.6	2.3	3.5	9.7	27	67
5	.2	.2	.3	.3	.5	1.3	6.0	22
10	.0	.0	.0	.0	.1	.3	2.2	11
20	.0	.0	.0	.0	.0	.0	.9	6.0
50	.0	.0	.0	.0	.0	.0	.3	2.7

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	17	20	27
June–Aug.	.3	.4	.6
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	3.5	4.8	6.4

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	7100	20	343	80	11
.9	5570	30	203	90	3.3
1.0	5220	40	123	95	.84
2.0	3160	50	75	98	.13
5.0	1490	60	45	99	.06
10	740	70	24	99.5	.03

03368000 BRUSH CREEK NEAR NEBRASKA, INDIANA

LOCATION—Lat 39°04′13″, long 85°29′10″ in NW1/4NE1/4 sec.11, T.7 N., R.9 E., Jennings County, Hydrologic Unit 05120207, on right bank at downstream side of county road bridge, 1.5 mi northwest of Nebraska, 2.9 mi northeast of Butlerville, and 3.6 mi upstream from Brush Creek Dam.

DRAINAGE AREA—11.4 mi^2.

PERIOD OF RECORD— May 1955 to current year.

AVERAGE DISCHARGE— 13.3 ft^3/s.

MINIMUM DAILY DISCHARGE— No flow at times most years.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.0	0.0	0.0	0.0	0.0	0.2	1.0	2.1
5	.0	.0	.0	.0	.0	.0	.2	.9
10	.0	.0	.0	.0	.0	.0	.1	.5
20	.0	.0	.0	.0	.0	.0	.0	.3
50	.0	.0	.0	.0	.0	.0	.0	.2

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.4	0.5	0.7
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.1	.1	.2

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	335	20	9.6	80	.19
.9	245	30	5.7	90	.01
1.0	227	40	3.5	95	.00
2.0	144	50	2.1	98	.00
5.0	56	60	1.2	99	.00
10	24	70	.59	99.5	.00

03369000 VERNON FORK MUSCATATUCK RIVER NEAR BUTLERVILLE, INDIANA

LOCATION—Lat 39°02′55″, long 85°32′40″, in NW1/4SE1/4 sec.17, T.7 N., R.9 E., Jennings County, Hydrologic Unit 05120207, on left bank 0.3 mi downstream from Muscatatuck State School dam, 1.1 mi downstream from Brush Creek, 2 mi northwest of Butlerville, and at mile 50.6.

DRAINAGE AREA—85.9 mi^2.

PERIOD OF RECORD— February 1942 to current year.

AVERAGE DISCHARGE— 94.3 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Water supply for the Muscatatuck State School is diverted and the sewage effluent returned above station. Flow regulated by Brush Creek Reservoir. Low-flow statistics are calculated for the regulated period, 1943 to 1993. Prior to October 1960, published as North Fork of Vernon Fork near Butlerville.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.5	0.6	0.7	0.9	1.7	3.5	8.8	18
5	.2	.2	.3	.4	.7	1.3	3.3	7.3
10	.1	.1	.2	.3	.4	.8	1.9	4.4
20	.0	.0	.2	.2	.3	.5	1.2	2.8
50	.0	.0	.0	.0	.2	.3	.7	1.6

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	4.4	5.6	7.3
June–Aug.	.3	.4	.6
Sept.–Nov.	.1	.2	.3
Dec.–Feb.	1.3	1.6	2.0

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2130	20	86	80	3.0
.9	1580	30	52	90	1.3
1.0	1500	40	33	95	.60
2.0	855	50	20	98	.38
5.0	386	60	12	99	.28
10	187	70	6.1	99.5	.21

03369500 VERNON FORK MUSCATATUCK RIVER AT VERNON, INDIANA

LOCATION—Lat 38°58′34″, long 85°37′13″, in NW1/4SE1/4 sec.10, T.6 N., R.8 E., Jennings County, Hydrologic Unit 05120207, at downstream end of left bank bridge pier, 1 mi southwest of Vernon, 3.1 mi downstream from Otter Creek, and at mile 36.4.

DRAINAGE AREA—198 mi^2.

PERIOD OF RECORD— October 1939 to current year.

AVERAGE DISCHARGE— 221 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Diversion above station for municipal water supply of North Vernon and Vernon. Part of this diverson returned above gage as sewage effluent by North Vernon Sewage Treatment Plant. Some regulation at times at low flow by Old Timbers Lake on Jefferson Proving Grounds and Brush Creek Reservoir.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	1.0	1.2	1.5	2.1	3.6	7.8	21	41
5	.3	.4	.5	.8	1.1	1.9	5.8	16
10	.2	.2	.2	.4	.6	.8	2.7	9.7
20	.0	.0	.1	.2	.3	.4	1.3	6.1
50	.0	.0	.0	.0	.0	.1	.6	3.6

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	9.8	12	18
June–Aug.	.3	.4	.6
Sept.–Nov.	.2	.4	.5
Dec.–Feb.	2.8	3.6	4.6

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	4650	20	208	80	6.4
.9	3410	30	121	90	2.6
1.0	3250	40	76	95	1.2
2.0	2070	50	47	98	.50
5.0	962	60	28	99	.21
10	463	70	15	99.5	.11

03371500 EAST FORK WHITE RIVER NEAR BEDFORD, INDIANA

LOCATION—Lat 38°46′10″, long 86°24′30″, in SW1/4NE1/4 sec.21, T.4 N., R.1 E., Lawrence County, Hydrologic Unit 05120208, on downstream side of center pier of bridge on county road, 0.4 mi upstream from Mill Creek, 2.9 mi downstream from Sugar Creek, 3.9 mi northeast of Mitchell, 7.8 mi southeast of Bedford, and at mile 153.3.

DRAINAGE AREA—3,861 mi^2.

PERIOD OF RECORD— May 1939 to current year (high-water records only October 1943 to September 1957).

AVERAGE DISCHARGE— 4,034 ft^3/s.

MINIMUM DAILY DISCHARGE— 138 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	430	432	443	460	499	595	831	1280
5	287	294	306	316	336	374	482	734
10	234	244	258	265	279	303	375	551
20	199	211	226	232	243	259	310	435
50	166	181	197	202	210	220	255	334

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	848	950	1070
June–Aug.	365	377	404
Sept.–Nov.	252	265	272
Dec.–Feb.	369	396	437

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	35800	20	6020	80	680
.9	29000	30	4040	90	471
1.0	27700	40	2850	95	368
2.0	21000	50	2070	98	288
5.0	14300	60	1500	99	257
10	10100	70	1040	99.5	241

03371520 BACK CREEK AT LEESVILLE, INDIANA

LOCATION—Lat 38°50′48″, long 86°18′06″, in SW1/4SE1/4 sec.21, T.5 N., R.2 E., Lawrence County, Hydrologic Unit 05120208, on left bank at downstream side of county road bridge, 0.9 mi west of Leesville, 2.5 mi upstream from Jones Defeat Hollow, and 7 mi above mouth.

DRAINAGE AREA—24.1 mi^2.

PERIOD OF RECORD— October 1970 to current year.

AVERAGE DISCHARGE— 32.3 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.0	0.0	0.1	0.2	0.4	1.4	4.5	8.0
5	.0	.0	.0	.0	.1	.3	1.2	2.9
10	.0	.0	.0	.0	.0	.1	.6	1.6
20	.0	.0	.0	.0	.0	.0	.2	.6
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	1.3	1.6	2.2
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.8	1.0	1.3

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	553	20	39	80	1.3
.9	411	30	25	90	.37
1.0	393	40	15	95	.11
2.0	254	50	9.5	98	.01
5.0	131	60	5.1	99	.00
10	74	70	2.8	99.5	.00

03371600 SOUTH FORK SALT CREEK AT KURTZ, INDIANA

LOCATION—Lat 38°57′46″, long 86°12′12″, in SW1/4SW1/4 sec.9, T.6 N., R.3 E., Jackson County, Hydrologic Unit 05120208, on right bank at downstream side of county road bridge, at north edge of Kurtz, 0.8 mi upstream from right-bank tributary, and 6.1 mi upstream from Little Salt Creek.

DRAINAGE AREA—38.2 mi^2.

PERIOD OF RECORD— October 1960 to September 1971.

AVERAGE DISCHARGE— 39.9 ft^3/s.

MINIMUM DAILY DISCHARGE— No flow at times most years.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.0	0.0	0.0	0.0	0.0	0.2	0.7	2.8
5	.0	.0	.0	.0	.0	.0	.0	1.2
10	.0	.0	.0	.0	.0	.0	.0	.4
20	.0	.0	.0	.0	.0	.0	.0	.1
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.6	0.9	1.5
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.0	.0	.2

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1230	20	35	80	.04
.9	740	30	17	90	.01
1.0	690	40	8.4	95	.00
2.0	389	50	4.1	98	.00
5.0	160	60	1.7	99	.00
10	79	70	.52	99.5	.00

03371650 NORTH FORK SALT CREEK AT NASHVILLE, INDIANA

LOCATION—Lat 39°12′06″, long 86°14′51″, in NW1/4SW1/4 sec.19, T.9 N., R.3 E., Brown County, Hydrologic Unit 05120208, on right bank 90 ft downstream from bridge on State Highway 46; 800 ft downstream from Greasy Creek, 0.4 mile south of center of Nashville, and at mile 32.5.

DRAINAGE AREA—76.1 mi^2.

PERIOD OF RECORD— July 1962 to September 1976 (discontinued).

AVERAGE DISCHARGE— 78.9 ft^3/s.

MINIMUM DAILY DISCHARGE— No flow at times most years.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.3	0.3	0.3	0.4	0.6	1.3	4.5	12
5	.0	.0	.0	.0	.0	.2	1.2	2.7
10	.0	.0	.0	.0	.0	.0	.3	1.3
20	.0	.0	.0	.0	.0	.0	.0	1.0
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	4.9	5.6	6.8
June–Aug.	.0	.1	.1
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.0	.2	.4

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1700	20	92	80	1.7
.9	1190	30	53	90	.46
1.0	1100	40	29	95	.09
2.0	606	50	16	98	.00
5.0	328	60	7.9	99	.00
10	183	70	3.9	99.5	.00

03372000 NORTH FORK SALT CREEK NEAR BELMONT, INDIANA

LOCATION—Lat 39°09′00″, long 85°20′14″, in SW1/4NW1/4 sec.5, T.8 N., R.2 E., Brown County, Hydrologic Unit 05120208, on right bank 15 ft downstream from bridge on State Highway 46; 100 ft upstream Schooner Creek, 0.7 mi northeast of Belmont, 6.5 mi upstream from Brummett Creek, and 20 mi upstream from mouth.

DRAINAGE AREA—120 mi^2, includes that of Schooner Creek.

PERIOD OF RECORD— April 1946 to September 1971 (discontinued).

AVERAGE DISCHARGE— 130 ft^3/s.

MINIMUM DAILY DISCHARGE— No flow at times most years.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.2	0.2	0.3	0.5	0.6	1.2	4.5	13
5	.0	.0	.0	.0	.1	.2	.8	3.6
10	.0	.0	.0	.0	.0	.1	.2	1.6
20	.0	.0	.0	.0	.0	.0	.1	.8
50	.0	.0	.0	.0	.0	.0	.0	.3

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	7.5	9.0	12
June–Aug.	.1	.2	.3
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.3	.6	.8

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2670	20	134	80	2.6
.9	2000	30	78	90	.53
1.0	1890	40	42	95	.13
2.0	1260	50	23	98	.06
5.0	543	60	12	99	.03
10	273	70	5.7	99.5	.01

03372300 STEPHENS CREEK NEAR BLOOMINGTON, INDIANA

LOCATION—Lat 39°10′11″, long 86°25′07″, in NE1/4NW1/4 sec.4, T.8 N., R.1 E., Monroe County, Hydrologic Unit 05120208, on downstream side of right pier of bridge on State Highway 46, 0.2 mi downstream from Kerr Creek, 4.0 mi west of Belmont, and 6.1 mi east of Bloomington.

DRAINAGE AREA—10.9 mi^2.

PERIOD OF RECORD— October 1970 to September 1991 (discontinued).

AVERAGE DISCHARGE— 14.0 ft^3/s.

MINIMUM DAILY DISCHARGE— No flow at times most years.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.1	0.1	0.1	0.1	0.2	0.4	1.2	2.9
5	.0	.0	.0	.0	.0	.0	.3	1.1
10	.0	.0	.0	.0	.0	.0	.1	.3
20	.0	.0	.0	.0	.0	.0	.1	.2
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.6	0.7	1.0
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.2	.3	.4

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	233	20	18	80	.47
.9	184	30	11	90	.14
1.0	172	40	6.5	95	.04
2.0	110	50	3.9	98	.01
5.0	60	60	2.2	99	.00
10	34	70	1.2	99.5	.00

03372500 SALT CREEK NEAR HARRODSBURG, INDIANA

LOCATION—Lat 39°00′16″, long 86°30′31″, in NE1/4NW1/4 sec.34, T.7 N., R.1 W., Monroe County, Hydrologic Unit 05120208, on right bank 0.35 mile downstream from Monroe Lake, 0.9 mile upstream from Clear Creek, 2.2 mile southeast of Harrodsburg, and 25.7 mile upstream from mouth.

DRAINAGE AREA—432 mi^2 .

PERIOD OF RECORD— May 1955 to current year.

AVERAGE DISCHARGE— 484 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Flow regulated by U.S. Army Corps of Engineers from Monroe Lake since April 1966. Records of daily discharge provided by U.S. Army Corps of Engineers beginning Oct. 1, 1976. Low-flow statistics are calculated for the regulated period, 1967 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	48	49	50	50	52	53	56	106
5	37	43	44	45	46	46	47	64
10	29	38	40	41	42	44	46	51
20	22	34	36	37	39	44	45	48
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	43	44	58
June–Aug.	46	46	46
Sept.–Nov.	39	41	42
Dec.–Feb.	43	48	48

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2480	20	1060	80	53
.9	2410	30	453	90	49
1.0	2390	40	221	95	46
2.0	2210	50	124	98	44
5.0	2000	60	60	99	43
10	1780	70	56	99.5	37

03372700 CLEAR CREEK NEAR HARRODSBURG, INDIANA

LOCATION—Lat 39°02′03″, long 86°34′01″, in NE1/4NW1/4 sec.19, T.7 N., R.1 W., Monroe County, Hydrologic Unit 05120208, on left bank at downstream side of county road bridge, 1.9 mi northwest of Harrodsburg, 3.9 mi upstream from Little Clear Creek, and 5.1 mi upstream from mouth.

DRAINAGE AREA—55.2 mi^2, of which 6.4 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD— September 1960 to September 1971 (discontinued).

AVERAGE DISCHARGE— 72.0 ft^3/s.

MINIMUM DAILY DISCHARGE—5.4 ft^3/s.

REMARKS— Flow regulated by effluent from sewage treatment plant of the city of Bloomington and possibly by pumpage from several rock quarries.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	8.9	9.5	10	11	13	16	21	26
5	6.9	7.7	8.6	9.3	11	12	14	18
10	6.0	6.8	7.7	8.3	9.3	9.8	11	14
20	5.4	6.2	7.1	7.5	8.3	8.3	9.0	12
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	17	19	21
June–Aug.	8.5	9.9	12
Sept.–Nov.	7.5	8.1	8.5
Dec.–Feb.	8.2	9.4	10

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1250	20	83	80	15
.9	811	30	55	90	12
1.0	750	40	39	95	9.7
2.0	453	50	30	98	8.5
5.0	237	60	23	99	8.1
10	149	70	18	99.5	7.5

03373200 INDIAN CREEK NEAR SPRINGVILLE, INDIANA

LOCATION—Lat 38°57′01″, long 86°40′30″, in SE1/4SW1/4 sec.18, T.6 N., R.2 W., Lawrence County, Hydrologic Unit 05120208, on left bank at downstream side of bridge on State Highway 54; 0.2 mi downstream from Popcorn Creek, and 4 mi northwest of Springville.

DRAINAGE AREA—60.7 mi^2.

PERIOD OF RECORD— September 1961 to September 1973 (discontinued).

AVERAGE DISCHARGE— 55.3 ft^3/s.

MINIMUM DAILY DISCHARGE— No flow at times some years.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.5	0.5	0.6	1.0	1.6	2.7	4.7	8.9
5	.1	.2	.2	.2	.3	.4	1.1	3.8
10	.0	.0	.0	.0	.0	.0	.5	2.3
20	.0	.0	.0	.0	.0	.0	.2	1.5
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	3.8	5.0	6.1
June–Aug.	.2	.2	.3
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.6	.8	1.2

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1280	20	58	80	2.3
.9	952	30	34	90	.88
1.0	881	40	20	95	.31
2.0	445	50	12	98	.09
5.0	214	60	7.1	99	.04
10	119	70	4.0	99.5	.02

03373500 EAST FORK WHITE RIVER AT SHOALS, INDIANA

LOCATION—Lat 38°39′58″, long 86°47′35″, in SW1/4NW1/4 sec.30, T.3 N., R.3 W., Martin County, Hydrologic Unit 05120208, on left bank 100 feet downstream of Baltimore and Ohio Railroad bridge, 440 feet downstream from U.S. Highway 50 bridge at Shoals, 0.9 mi upstream from Beaver Creek, 6.6 mi downstream from Indian Creek, and at mile 105.2

DRAINAGE AREA—4,927 mi^2.

PERIOD OF RECORD— June 1903 to July 1906, October 1908 to September 1916, June 1923 to current year.

AVERAGE DISCHARGE— 5,472 ft^3/s.

MINIMUM DAILY DISCHARGE—64 ft^3/s.

REMARKS— Flow partially regulated by upstream reservoirs.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	381	433	464	492	550	678	1010	1580
5	234	275	319	341	371	431	582	861
10	180	216	265	287	309	349	441	616
20	144	176	230	251	268	297	354	464
50	112	139	197	217	231	251	278	333

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	890	997	1220
June–Aug.	349	386	424
Sept.–Nov.	222	272	293
Dec.–Feb.	368	418	468

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	45100	20	8280	80	787
.9	38800	30	5440	90	519
1.0	37300	40	3810	95	397
2.0	29900	50	2540	98	313
5.0	20800	60	1700	99	271
10	14400	70	1170	99.5	235

03373530 LOST RIVER NEAR LEIPSIC, INDIANA

LOCATION—Lat 38°38′11″, long 86°21′55″, in NE1/4SE1/4, sec.2, T.2N., R.1E., Orange County, Hydrologic Unit 05120208, on left bank 5 ft upstream from bridge on Potato Road, and 2.2 mile south of Leipsic.

DRAINAGE AREA— 35 mi^2.

PERIOD OF RECORD—October 1992 to current year.

AVERAGE DISCHARGE— 36.2 ft^3/s.

MINIMUM DAILY DISCHARGE—2.9 ft^3/s.

REMARKS— Only the $7Q_2$ and $7Q_{10}$ were calculated due to this site having less than 10 years of record; --, indicates that no flow characteristics were computed.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	--	--	1.4	--	--	--	--	--
5	--	--	--	--	--	--	--	--
10	--	--	.5	--	--	--	--	--
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
5	146	35	28	65	10
10	75	40	23	70	8.1
15	60	45	20	75	7.0
20	49	50	18	80	6.4
25	42	55	14	85	5.8
30	37	60	12	90	5.2

03373700 LOST RIVER NEAR WEST BADEN SPRINGS, INDIANA

LOCATION—Lat 38°35′10″, long 86°38′03″, in SW1/4SE1/4 sec.21, T.2 N., R.2 W., Orange County, Hydrologic Unit 05120208, on left bank 20 ft downstream from bridge on U.S. Highway 150; 1.7 mi northwest of West Baden Springs, 3.8 mi downstream from Lick Creek, and at mile 34.8.

DRAINAGE AREA—287 mi^2.

PERIOD OF RECORD— December 1964 to September 1993 (discontinued).

AVERAGE DISCHARGE— 355 ft^3/s.

MINIMUM DAILY DISCHARGE—5.9 ft^3/s.

REMARKS— Prior to October 1965, published as Lost River near West Baden.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	15	15	16	18	21	29	59	90
5	9.9	10	11	12	13	17	30	45
10	8.1	8.5	8.9	9.5	11	13	21	31
20	7.0	7.3	7.6	8.3	9.3	11	16	23
50	5.9	6.2	6.5	7.1	8.0	9.1	12	17

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	48	54	64
June–Aug.	13	14	15
Sept.–Nov.	8.6	9.1	9.7
Dec.–Feb.	19	21	23

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	3680	20	499	80	34
.9	2920	30	331	90	22
1.0	2830	40	216	95	16
2.0	2240	50	141	98	12
5.0	1480	60	92	99	10
10	907	70	59	99.5	8.9

03374000 WHITE RIVER AT PETERSBURG, INDIANA

LOCATION—Lat 38°30′39″, long 87°17′22″, in SE1/4SW1/4 sec.15, T.1 N., R.8 W., Pike County, Hydrologic Unit 05120202, on left bank 300 ft downstream from bridge on State Highway 61, 0.4 mi upstream from Prides Creek, 1.4 mi north of Petersburg, and at mile 45.7.

DRAINAGE AREA—11,125 mi^2.

PERIOD OF RECORD— October 1927 to current year.

AVERAGE DISCHARGE— 11,950 ft^3/s.

MINIMUM DAILY DISCHARGE—573 ft^3/s.

REMARKS— Flow partially regulated by upstream reservoirs. Published as "at Hazelton" October 1927 to September 1938.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	1310	1340	1390	1450	1590	1910	2640	3760
5	901	931	959	995	1070	1230	1590	2200
10	749	776	799	826	893	994	1230	1660
20	647	672	690	712	775	844	1010	1310
50	551	575	589	606	668	710	818	996

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	2500	2770	3360
June–Aug.	1160	1210	1310
Sept.–Nov.	803	826	850
Dec.–Feb.	1090	1140	1250

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	88300	20	18300	80	2230
.9	76700	30	12500	90	1490
1.0	74400	40	8940	95	1150
2.0	61100	50	6320	98	931
5.0	42600	60	4460	99	830
10	29800	70	3140	99.5	748

03374455 PATOKA RIVER NEAR HARDINSBURG, INDIANA

LOCATION—Lat 38°26′41″, long 86°23′14″, in NW1/4SE1/4 sec.10, T.1 S., R.1 E., Orange County, Hydrologic Unit 05120209, on downstream edge of center pier of county road bridge, 0.3 mi downstream from Fudge Creek, 0.7 mi northeast of Valeene, 6.0 mi southwest of Hardinsburg, and at mile 158.0.

DRAINAGE AREA—12.8 mi^2.

PERIOD OF RECORD— October 1968 to current year.

AVERAGE DISCHARGE— 24.0 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.1	0.2	0.2	0.2	0.3	0.6	2.1	4.3
5	.0	.0	.0	.0	.1	.2	.4	1.6
10	.0	.0	.0	.0	.0	.1	.2	.9
20	.0	.0	.0	.0	.0	.0	.1	.5
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	1.5	1.7	2.2
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.6	.7	.8

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	495	20	26	80	.83
.9	359	30	15	90	.32
1.0	340	40	9.1	95	.11
2.0	217	50	5.3	98	.01
5.0	102	60	3.0	99	.00
10	53	70	1.7	99.5	.00

03374500 PATOKA RIVER NEAR CUZCO, INDIANA

LOCATION—Lat 38°26′31″, long 86°42′51″, in SW1/4SW1/4 sec.11, T.1 S., R.3 W., Dubois County, Hydrologic Unit 05120209, on right bank 20 ft upstream from bridge on Cuzco Road South, 2.3 mi south of Cuzco, 0.7 mi downstream from Patoka Lake, 4.5 mi upstream from Dillon Creek, and at mile 117.8.

DRAINAGE AREA—170 mi^2.

PERIOD OF RECORD— June 1961 to current year.

AVERAGE DISCHARGE— 216 ft^3/s.

MINIMUM DAILY DISCHARGE—0.0 ft^3/s.

REMARKS— Flow regulated by U.S. Army Corps of Engineers from Patoka Lake since February 1978. Records of daily discharge provided by U.S. Army Corps of Engineers beginning Oct. 1, 1981. Low-flow statistics are calculated for the regulated period, 1982 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	23	26	30	35	41	44	51	56
5	20	21	22	24	25	25	27	29
10	19	19	19	20	20	20	20	21
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	20	22	23
June–Aug.	19	19	21
Sept.–Nov.	21	21	21
Dec.–Feb.	23	23	24

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1520	20	338	80	31
.9	1250	30	206	90	25
1.0	1220	40	148	95	23
2.0	1060	50	95	98	22
5.0	787	60	53	99	21
10	549	70	35	99.5	20

03375500 PATOKA RIVER AT JASPER, INDIANA

LOCATION—Lat 38°24′49″, long 86°52′36″, in NW1/4SE1/4 sec.20, T.1 S., R.4 W., Dubois County, Hydrologic Unit 05120209, on left bank 0.3 mi upstream from unnamed outlet of Jasper Lake, 1.0 mi downstream from Coon Seitbridge, 1.2 mi downstream from Beaver Creek, 3.3 mi northeast of Jasper, and at mile 91.5.

DRAINAGE AREA—262 mi^2.

PERIOD OF RECORD— November 1947 to current year.

AVERAGE DISCHARGE— 358 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Flow regulated by Beaver Creek Reservoir beginning Oct. 11, 1955, and by Patoka Lake beginning Feb. 13, 1978. Low-flow statistics are calculated for the regulated period, 1978 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	34	38	45	50	59	69	93	115
5	24	27	31	33	35	37	47	58
10	21	24	26	28	28	28	34	41
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	37	40	46
June–Aug.	24	28	29
Sept.–Nov.	28	28	29
Dec.–Feb.	35	35	38

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2210	20	607	80	54
.9	1920	30	399	90	39
1.0	1890	40	275	95	33
2.0	1580	50	187	98	28
5.0	1230	60	126	99	25
10	960	70	82	99.5	16

03375800 HALL CREEK NEAR ST. ANTHONY, INDIANA

LOCATION—Lat 38°21′45″, long 86°49′43″, in NW1/4NW1/4 sec.11, T.2 S., R.4 W., Dubois County, Hydrologic Unit 05120209, on right bank 10 ft downstream of bridge on County Road 125 South, 0.7 mi upstream from Grassy Fork, 3.3 mi north of St. Anthony, and at mile 4.1.

DRAINAGE AREA—21.8 mi^2.

PERIOD OF RECORD— October 1970 to current year.

AVERAGE DISCHARGE— 32.7 ft^3/s.

MINIMUM DAILY DISCHARGE— No flow at times most years.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.0	0.1	0.1	0.2	0.6	1.4	5.2	8.4
5	.0	.0	.0	.0	.0	.2	1.4	3.9
10	.0	.0	.0	.0	.0	.1	.6	2.5
20	.0	.0	.0	.0	.0	.0	.3	1.7
50	.0	.0	.0	.0	.0	.0	.1	1.1

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.5	0.7	1.2
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.6	.6	.6

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	695	20	30	80	1.0
.9	549	30	18	90	.30
1.0	512	40	12	95	.04
2.0	323	50	7.1	98	.01
5.0	134	60	4.2	99	.00
10	66	70	2.3	99.5	.00

03376260 FLAT CREEK NEAR OTWELL, INDIANA

LOCATION—Lat 38°26′12″, long 87°07′52″, in SE1/4SE1/4 sec.12, T.1 S., R.7 W., Pike County, Hydrologic Unit 05120209, on right bank at upstream side of bridge on State Highway 56; 2.2 mi west of intersection of State Highways 56 and 257; 2.5 mi southeast of Otwell, 6.2 mi east of intersection of State Highways 56 and 61, and at mile 10.9.

DRAINAGE AREA—21.3 mi^2.

PERIOD OF RECORD— October 1964 to April 1982 (discontinued).

AVERAGE DISCHARGE— 22.8 ft^3/s.

MINIMUM DAILY DISCHARGE— No flow at times most years.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.0	0.0	0.1	0.2	0.4	1.2	3.1	5.0
5	.0	.0	.0	.0	.0	.3	1.2	2.1
10	.0	.0	.0	.0	.0	.2	.8	1.3
20	.0	.0	.0	.0	.0	.1	.5	.9
50	.0	.0	.0	.0	.0	.0	.3	.5

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.6	0.8	1.1
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.2	.4	.7

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	550	20	20	80	.90
.9	419	30	11	90	.23
1.0	398	40	7.0	95	.01
2.0	236	50	4.7	98	.00
5.0	96	60	3.1	99	.00
10	46	70	2.0	99.5	.00

03376300 PATOKA RIVER AT WINSLOW, INDIANA

LOCATION—Lat 38°22′48″, long 87°13′00″, in SW1/4SW1/4 sec.32, T.1 S., R.7 W., Pike County, Hydrologic Unit 05120209, on right bank at abandoned bridge abutment, 65 ft upstream from bridge on State Highway 61; 100 ft downstream from dam of Winslow Water Company, and 41.3 mi above mouth.

DRAINAGE AREA— 603 mi^2.

PERIOD OF RECORD—October 1963 to September 1974, May 1986 to current year.

AVERAGE DISCHARGE— 684 ft^3/s.

MINIMUM DAILY DISCHARGE—0.50 ft^3/s.

REMARKS— Flow regulated by Patoka Lake. Only the $7Q_2$ and $7Q_{10}$ were calculated due to this site having less than 10 years of record; --, indicates that no flow characteristics were computed. Low-flow statistics are calculated for the regulated period, 1987 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	--	--	52	--	--	--	--	--
5	--	--	--	--	--	--	--	--
10	--	--	30	--	--	--	--	--
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
5	2630	35	558	65	153
10	1850	40	454	70	120
15	1490	45	370	75	92
20	1210	50	302	80	67
25	930	55	244	85	54
30	706	60	196	90	42

03376350 SOUTH FORK PATOKA RIVER NEAR SPURGEON, INDIANA

LOCATION—Lat 38°17′50″, long 87°15′39″, in SE1/4NE1/4 sec.35, T.2 S., R.8 W., Pike County, Hydrologic Unit 05120209, on right bank at downstream side of bridge on State Highway 61; 0.5 mi north of Enos Corner, 3.1 mi north of Spurgeon, and at mile 8.0.

DRAINAGE AREA—42.8 mi^2.

PERIOD OF RECORD— October 1964 to September 1986 (discontinued).

AVERAGE DISCHARGE— 52.0 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Regulation by coal-washing operation and strip mining above gage. The annual 14-day and Dec.-Feb. 14-day low-flow values could not be computed due to zero flows in January of 1977. These values caused statistical skews to exceed allowable limits.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	4.5	4.8	5.2	--	8.7	9.2	13	18
5	3.3	3.6	4.0	--	5.3	5.5	9.2	12
10	2.9	3.1	3.2	--	4.8	5.0	8.2	9.8
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	8.3	11	14
June–Aug.	3.9	4.6	5.3
Sept.–Nov.	3.8	4.2	4.6
Dec.–Feb.	5.2	5.6	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	677	20	63	80	9.0
.9	508	30	43	90	6.5
1.0	473	40	31	95	5.2
2.0	336	50	23	98	4.1
5.0	192	60	17	99	3.2
10	117	70	13	99.5	1.9

03376500 PATOKA RIVER NEAR PRINCETON, INDIANA

LOCATION—Lat 38°23′30″, long 87°32′55″, in Location 107, T.1 S., R.10 W., Gibson County, Hydrologic Unit 05120209, on right downstream side of bridge on State Highway 65, 0.5 mi downstream from Indian Creek, 2 mi northeast of Princeton, and at mile 21.4.

DRAINAGE AREA—822 mi^2.

PERIOD OF RECORD— August 1934 to current year.

AVERAGE DISCHARGE— 1,023 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Flow regulated by Patoka Lake. Low-flow statistics are calculated for the regulated period,1978 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	66	70	75	84	112	167	249	344
5	45	47	50	54	61	84	120	140
10	38	40	42	45	47	59	64	110
20	34	36	37	40	40	45	50	93
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	97	109	147
June–Aug.	43	46	49
Sept.–Nov.	42	43	48
Dec.–Feb.	88	94	108

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	7890	20	1970	80	154
.9	6650	30	1440	90	84
1.0	6330	40	936	95	61
2.0	4800	50	568	98	49
5.0	3700	60	373	99	44
10	2810	70	244	99.5	41

03377500 WABASH RIVER AT MOUNT CARMEL, ILLINOIS

LOCATION—Lat 38°24′07″, long 87°45′10″, in SE1/4NW1/4 sec.28, T.1 S., R.12 W., Wabash County, Illinois, Hydrologic Unit 05120113, on right bank on downstream side of Southern Railway bridge at Mount Carmel, 0.2 mi downstream from Patoka River, and at mile 94.4.

DRAINAGE AREA—28,635 $mi^{2.}$

PERIOD OF RECORD— October 1927 to current year.

AVERAGE DISCHARGE— 28,000 $ft^{3/}s$.

MINIMUM DAILY DISCHARGE— 1,650 $ft^{3/}s$.

REMARKS— Flow partially regulated by upstream reservoirs.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	3960	4020	4130	4320	4750	5560	7420	10000
5	2800	2850	2910	3020	3280	3680	4580	6030
10	2330	2370	2420	2500	2720	3000	3570	4580
20	1990	2030	2070	2140	2340	2550	2900	3630
50	1670	1710	1730	1800	1980	2130	2300	2780

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	6720	7480	8810
June–Aug.	3260	3390	3630
Sept.–Nov.	2490	2550	2640
Dec.–Feb.	3250	3330	3620

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	177900	20	44100	80	6240
.9	156400	30	31000	90	4270
1.0	151100	40	22600	95	3360
2.0	127000	50	16400	98	2730
5.0	92200	60	12100	99	2490
10	67500	70	8630	99.5	2340

03378550 BIG CREEK NEAR WADESVILLE, INDIANA

LOCATION—Lat 38°04′58″, long 87°46′10″, in SW1/4SW1/4 sec.16, T.5 S., R.12 W., Posey County, Hydrologic Unit 05120113, on left bank at downstream side of bridge on State Highway 66; 0.6 mi northwest of Blairsville, and 1.6 mi southeast of Wadesville.

DRAINAGE AREA—104 mi^2.

PERIOD OF RECORD— July 1965 to current year.

AVERAGE DISCHARGE— 115 ft^3/s.

MINIMUM DAILY DISCHARGE— No flow at times most years.

REMARKS— None

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.0	0.0	0.0	0.1	0.6	3.1	16	30
5	.0	.0	.0	.0	.1	.3	5.0	12
10	.0	.0	.0	.0	.0	.1	1.2	7.0
20	.0	.0	.0	.0	.0	.1	.6	4.1
50	.0	.0	.0	.0	.0	.0	.5	2.1

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	2.2	3.0	4.2
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.3	.4	.6

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2760	20	89	80	1.2
.9	2220	30	48	90	.23
1.0	2080	40	29	95	.04
2.0	1310	50	17	98	.01
5.0	525	60	8.1	99	.00
10	218	70	3.4	99.5	.00

04093000 DEEP RIVER AT LAKE GEORGE OUTLET AT HOBART, INDIANA

LOCATION—Lat 41°32′10″, long 87°15′25″, in NW1/4NW1/4 sec.32, T.36 N., R.7 W., Lake County, Hydrologic Unit 04040001, on left bank at upstream side of bridge on Ridge Road in Hobart, 300 ft upstream from Duck Creek, and 400 ft downstream from Lake George Dam.

DRAINAGE AREA—124 mi^2.

PERIOD OF RECORD— April 1947 to current year.

AVERAGE DISCHARGE— 114 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Flow subject to regulation by operation of Lake George Dam. The annual 3-day and Sept.-Nov. 3-day low-flow values could not be computed due to zero flows caused by extreme regulation and dam construction. These values caused statistical skews to exceed allowable limits.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	7.8	--	12	12	13	17	26	37
5	4.5	--	6.6	7.3	9.6	12	16	21
10	3.0	--	5.1	5.5	8.5	9.9	13	16
20	1.5	--	3.5	5.1	7.7	8.8	11	13
50	.0	--	.9	3.2	7.0	7.7	9.5	9.8

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	17	19	24
June–Aug.	5.7	5.9	8.1
Sept.–Nov.	--	4.5	5.9
Dec.–Feb.	10	11	12

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1340	20	148	80	18
.9	1090	30	96	90	13
1.0	1050	40	66	95	10
2.0	773	50	48	98	7.6
5.0	476	60	35	99	6.3
10	277	70	25	99.5	5.3

04094000 LITTLE CALUMET RIVER AT PORTER, INDIANA

LOCATION—Lat 41°37′18″, long 87°05′13″, in NE1/4NE1/4 sec.34, T.37 N., R.6 W., Porter County, Hydrologic Unit 04040001, on right bank at downstream end of county road bridge, 200 ft upstream from bridge on U.S. Highway 20, 0.8 mi northwest of Porter, and 4.5 mi upstream from Salt Creek.

DRAINAGE AREA—66.2 mi^2.

PERIOD OF RECORD— May 1945 to current year.

AVERAGE DISCHARGE— 76.7 ft^3/s.

MINIMUM DAILY DISCHARGE—17 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	24	25	25	26	28	30	35	42
5	21	22	22	23	24	26	29	34
10	20	20	21	21	22	24	27	30
20	18	19	19	20	21	23	26	28
50	17	18	18	19	20	22	25	26

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	30	31	34
June–Aug.	21	22	23
Sept.–Nov.	21	22	22
Dec.–Feb.	24	25	27

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	692	20	90	80	33
.9	535	30	68	90	28
1.0	503	40	57	95	25
2.0	368	50	49	98	23
5.0	224	60	42	99	21
10	143	70	37	99.5	21

04094500 SALT CREEK NEAR McCOOL, INDIANA

LOCATION—Lat 41°35′48″, long 87°08′40″, in SE1/4SE1/4 sec.6, T.36 N., R.6 W., Porter County, Hydrologic Unit 04040001, on left bank on downstream side of highway bridge, 50 ft downstream from Conrail Railroad bridge, 1.2 mi north of McCool, and 1.6 mi upstream from Little Calumet River.

DRAINAGE AREA—74.6 mi^2.

PERIOD OF RECORD— May 1945 to September 1991 (discontinued).

AVERAGE DISCHARGE— 76.6 ft^3/s.

MINIMUM DAILY DISCHARGE—10 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	25	25	26	27	28	32	38	45
5	20	21	21	22	24	26	30	35
10	18	18	19	20	22	23	27	30
20	15	17	18	19	20	22	24	28
50	13	15	16	17	19	20	22	25

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	28	29	33
June–Aug.	19	20	22
Sept.–Nov.	20	20	21
Dec.–Feb.	23	25	27

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	672	20	90	80	33
.9	548	30	69	90	28
1.0	524	40	58	95	25
2.0	379	50	49	98	22
5.0	227	60	42	99	20
10	140	70	37	99.5	18

04095300 TRAIL CREEK AT MICHIGAN CITY, INDIANA

LOCATION—Lat 41°43′00″, long 86°51′35″, in NE1/4SE1/4 sec.27, T.38 N., R.4 W., La Porte County, Hydrologic Unit 04040001, on right upstream side of bridge on Springland Avenue in Michigan City, 1.0 mi upstream from Otter Creek, and 4.2 mi upstream from mouth.

DRAINAGE AREA—54.1 mi^2.

PERIOD OF RECORD— June 1969 to current year.

AVERAGE DISCHARGE— 76.5 ft^3/s.

MINIMUM DAILY DISCHARGE—20 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	28	29	30	31	33	36	40	47
5	25	25	26	27	29	32	35	40
10	23	24	24	26	28	31	34	38
20	22	23	23	26	28	31	34	37
50	20	21	22	25	27	30	34	37

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	37	39	41
June–Aug.	24	25	27
Sept.–Nov.	26	27	29
Dec.–Feb.	32	34	36

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	580	20	90	80	39
.9	461	30	73	90	34
1.0	440	40	63	95	31
2.0	303	50	56	98	28
5.0	183	60	50	99	27
10	126	70	44	99.5	26

04096100 GALENA RIVER NEAR LAPORTE, INDIANA

LOCATION—Lat 41°44′54″, long 86°40′30″, in SE1/4NW1/4 sec.17, T.38 N., R.2 W., La Porte County, Hydrologic Unit 04040001, on left bank at downstream side of bridge on County Road 125 East, 1.3 mi upstream from Indiana-Michigan State line, and 9.8 mi north of Court House in LaPorte.

DRAINAGE AREA—17.2 mi^2, of which 2.30 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD— October 1969 to current year.

AVERAGE DISCHARGE— 26.2 ft^3/s.

MINIMUM DAILY DISCHARGE—6.7 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	9.4	9.5	9.8	10	11	13	15	18
5	8.1	8.3	8.6	9.3	10	11	13	16
10	7.4	7.7	8.1	8.8	9.6	11	12	15
20	6.9	7.2	7.7	8.5	9.3	10	12	15
50	6.3	6.6	7.2	8.2	9.0	10	11	14

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	13	14	14
June–Aug.	8.2	8.6	9.3
Sept.–Nov.	8.1	8.6	9.3
Dec.–Feb.	12	13	13

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	152	20	33	80	15
.9	120	30	28	90	13
1.0	116	40	24	95	11
2.0	87	50	22	98	9.5
5.0	57	60	19	99	8.8
10	43	70	17	99.5	8.3

04097970 LIME LAKE OUTLET AT PANAMA, INDIANA

LOCATION—Lat 41°42′46″, long 85°07′10″, in NW1/4NW1/4 sec. 35, T.38 N., R.12 E., Steuben County, Hydrologic Unit 04050001, on right bank 10 ft downstream from dam for Lime Lake, 30 ft upstream from bridge on Orland Road, and 0.7 mi northwest of Panama.

DRAINAGE AREA—17.5 mi^2, of which 3.68 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD— October 1969 to September 1986 (discontinued).

AVERAGE DISCHARGE— 8.06 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Occasional regulation by control structure for Lime Lake. Low-flow statistics are calculated for the regulated period, 1969 to 1986.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.2	0.2	0.2	0.3	0.6	1.4	1.9	3.3
5	.0	.0	.0	.1	.2	.4	.9	1.6
10	.0	.0	.0	.0	.1	.1	.4	1.0
20	.0	.0	.0	.0	.0	.0	.3	.7
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.2	0.2	0.4
June–Aug.	.1	.1	.2
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	1.8	1.9	2.1

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	45	20	14	80	1.6
.9	39	30	11	90	.50
1.0	38	40	8.2	95	.20
2.0	30	50	5.9	98	.04
5.0	24	60	4.2	99	.01
10	19	70	2.7	99.5	.00

04099510 PIGEON CREEK NEAR ANGOLA, INDIANA

LOCATION—Lat 41°38′04″, long 85°06′35″, in NW1/4SE1/4 sec.26, T.37 N., R.12 E., Steuben County, Hydrologic Unit 04050001, on left bank 5 ft upstream from bridge on U.S. Highway 20; 1.3 mi downstream from outlet of Hogback Lake, 1.3 mi southeast of Flint, and 5.8 mi west of Angola.

DRAINAGE AREA—106 mi^2, of which 22.5 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD— October 1945 to current year.

AVERAGE DISCHARGE— 82.5 ft^3/s.

MINIMUM DAILY DISCHARGE—3.4 ft^3/s.

REMARKS— Prior to October 1947, published as "near Flint." Published as Pigeon Creek at Hogback Lake Outlet near Angola, October 1947 to September 1971, and Pigeon Creek and Hogback Lake near Angola, October 1971 to September 1974.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	14	15	15	16	18	20	26	34
5	8.9	9.0	9.2	9.9	11	12	16	20
10	6.8	6.8	7.1	7.5	8.2	9.1	12	15
20	5.3	5.4	5.6	5.9	6.4	7.2	9.0	11
50	4.0	4.1	4.3	4.5	4.9	5.5	6.7	7.8

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	23	26	31
June–Aug.	10	11	11
Sept.–Nov.	7.0	7.2	7.6
Dec.–Feb.	13	13	14

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	524	20	125	80	23
.9	448	30	90	90	16
1.0	433	40	70	95	12
2.0	348	50	54	98	7.6
5.0	260	60	40	99	6.2
10	189	70	31	99.5	5.3

04099610 PRETTY LAKE INLET NEAR STROH, INDIANA

LOCATION—Lat 41°34′49″, long 85°14′59″, in SW1/4NW1/4 sec.15, T.36 N., R.11 E., Lagrange County, Hydrologic Unit 04050001, on left bank 400 ft upstream from mouth, 2.6 miles west of Stroh.

DRAINAGE AREA—1.96 mi^2, of which 1.32 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD— June 1963 to September 1980.

AVERAGE DISCHARGE— 0.48 ft^3/s.

MINIMUM DAILY DISCHARGE— No flow at times.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.0	0.0	0.1	0.1	0.1	0.1	0.2	.2
5	.0	.0	.0	.0	.0	.1	.1	.1
10	.0	.0	.0	.0	.0	.0	.0	.1
20	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.0	0.1	0.1
June–Aug.	.0	.0	.0
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.0	.0	.0

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	4.6	20	.73	80	.10
.9	3.5	30	.52	90	.05
1.0	3.3	40	.37	95	.01
2.0	2.3	50	.28	98	.00
5.0	1.5	60	.21	99	.00
10	1.1	70	.15	99.5	.00

04099750 PIGEON RIVER NEAR SCOTT, INDIANA

LOCATION—Lat 41°44′56″, long 85°34′35″, in SE1/4NW1/4 sec.14, T.38 N., R.8 E., Lagrange County, Hydrologic Unit 04050001, on right bank 20 ft downstream from bridge on County Road 750 North, 1,200 ft downstream from Page Ditch, 0.7 mi south of Indiana-Michigan State line, and 1.2 mi northwest of Scott.

DRAINAGE AREA—361 mi^2 of which 53.9 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD— June 1968 to current year.

AVERAGE DISCHARGE— 374 ft^3/s.

MINIMUM DAILY DISCHARGE—42 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	122	123	127	133	145	157	187	220
5	90	96	100	106	115	126	145	170
10	74	85	89	95	103	113	127	149
20	63	77	82	87	94	104	115	133
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	192	204	226
June–Aug.	90	95	103
Sept.–Nov.	93	100	106
Dec.–Feb.	139	144	154

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1630	20	521	80	178
.9	1450	30	428	90	147
1.0	1410	40	358	95	126
2.0	1180	50	301	98	105
5.0	878	60	252	99	91
10	698	70	212	99.5	82

04099808 LITTLE ELKHART RIVER AT MIDDLEBURY, INDIANA

LOCATION—Lat 41°40′31″, long 85°42′01″, in NE1/4SE1/4 sec.10, T.37 N., R.7 E., Elkhart County, Hydrologic Unit 04050001, on left bank 15 ft downstream from bridge on County Road 16; 0.1 mi east of Middlebury, and 1.7 mi downstream from Rowe Eden Ditch.

DRAINAGE AREA—97.6 mi^2, of which 5.89 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD— October 1979 to current year.

AVERAGE DISCHARGE— 106 ft^3/s.

MINIMUM DAILY DISCHARGE—24 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	38	39	40	41	45	47	54	65
5	31	32	33	34	37	41	46	53
10	28	29	30	31	34	38	43	47
20	26	27	28	29	32	36	40	44
50	24	25	26	27	30	35	38	40

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	52	54	58
June–Aug.	30	31	32
Sept.–Nov.	33	34	36
Dec.–Feb.	43	44	47

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	704	20	131	80	53
.9	531	30	108	90	45
1.0	499	40	93	95	41
2.0	359	50	82	98	36
5.0	242	60	73	99	34
10	180	70	62	99.5	32

04099850 PINE CREEK NEAR ELKHART, INDIANA

LOCATION—Lat 41°40′53″, long 85°52′57″, in NE1/4NW1/4 sec.7, T.37 N., R.6 E., Elkhart County, Hydrologic Unit 04050001, on right bank 50 ft upstream from bridge on County Road 14; 0.3 mi east of the intersection of County Roads 17 and 14, and 3.1 mi east of Elkhart.

DRAINAGE AREA—31.0 mi^2, of which 8.75 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD— October 1979 to current year.

AVERAGE DISCHARGE— 20.3 ft^3/s.

MINIMUM DAILY DISCHARGE—3.8 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	7.6	7.7	8.0	8.5	9.3	10	12	13
5	4.4	4.6	5.1	5.4	7.1	7.8	8.8	10
10	3.6	4.0	4.7	5.2	6.2	6.8	7.5	8.5
20	3.6	4.0	4.5	4.9	5.5	6.1	6.5	7.4
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	10	11	11
June–Aug.	4.2	4.7	5.4
Sept.–Nov.	5.9	6.0	6.2
Dec.–Feb.	5.0	6.1	6.1

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	144	20	26	80	11
.9	104	30	22	90	8.3
1.0	98	40	19	95	7.2
2.0	64	50	17	98	6.1
5.0	44	60	15	99	5.5
10	34	70	13	99.5	5.1

04100222 NORTH BRANCH ELKHART RIVER AT COSPERVILLE, INDIANA

LOCATION—Lat 41°28′54″, long 85°28′32″, in NE1/4NW1/4 sec.22, T.35 N., R.9 E., Noble County, Hydrologic Unit 04050001, on right bank at downstream side of bridge on County Road 900 North at Cosperville; 1,300 ft downstream from Boyd Ditch, 1.7 mi upstream from Hustin Ditch, and 3.1 mi downstream from Waldron Lake.

DRAINAGE AREA—142 mi^2.

PERIOD OF RECORD— October 1971 to current year.

AVERAGE DISCHARGE— 145 ft^3/s.

MINIMUM DAILY DISCHARGE—2.2 ft^3/s.

REMARKS— Flow regulated at times by dam at Waldron Lake.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	14	16	20	26	31	39	54	71
5	6.9	8.0	10	14	19	25	36	50
10	3.4	4.2	7.0	9.4	15	20	30	42
20	2.3	2.8	5.0	6.7	12	17	25	36
50	1.7	2.0	3.3	4.4	9.0	14	21	31

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	45	55	66
June–Aug.	6.6	8.2	12
Sept.–Nov.	8.9	10	13
Dec.–Feb.	33	33	34

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	737	20	219	80	48
.9	635	30	172	90	33
1.0	618	40	140	95	23
2.0	491	50	114	98	16
5.0	380	60	91	99	11
10	308	70	66	99.5	7.9

04100252 FORKER CREEK NEAR BURR OAK, INDIANA

LOCATION—Lat 41°19′58″, long 85°25′25″, in SE1/4NE1/4 sec.12, T.33 N., R.9 E., Noble County, Hydrologic Unit 04050001, on right bank 300 ft downstream from bridge on State Highway 9; 400 ft downstream from Miller Lake Outlet, 0.8 mi northeast of Burr Oak, and 4.5 mi south of Albion.

DRAINAGE AREA—19.2 mi^2.

PERIOD OF RECORD— June 1969 to current year.

AVERAGE DISCHARGE— 18.4 ft^3/s.

MINIMUM DAILY DISCHARGE—0.13 ft^3/s.

REMARKS— Occasional regulation at Miller Lake Outlet. Low-flow statistics are calculated for the regulated period, 1969 to 1993.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.5	0.5	0.6	0.6	0.9	1.3	2.6	5.0
5	.2	.3	.3	.3	.4	.6	1.1	2.2
10	.2	.2	.2	.2	.3	.4	.7	1.4
20	.1	.2	.2	.2	.2	.3	.5	.9
50	.1	.1	.1	.1	.2	.2	.3	.6

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	3.3	3.5	4.1
June–Aug.	.3	.3	.3
Sept.–Nov.	.2	.2	.3
Dec.–Feb.	1.0	1.1	1.6

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	172	20	28	80	2.0
.9	140	30	19	90	.80
1.0	133	40	14	95	.50
2.0	102	50	9.5	98	.27
5.0	70	60	6.1	99	.22
10	47	70	3.7	99.5	.19

04100295 RIMMELL BRANCH NEAR ALBION, INDIANA

LOCATION—Lat 41°23′07″, long 85°22′14″, in NE1/4SE1/4 sec.21, T.34 N., R.10 E., Noble County, Hydrologic Unit 04050001, on right bank 900 ft downstream from culvert on County Road 300 East, 0.75 mi south of State Highway 8; 3.0 mi east of intersection of State Highway 9 and State Highway 8 in Albion.

DRAINAGE AREA—10.7 mi^2.

PERIOD OF RECORD— November 1979 to current year.

AVERAGE DISCHARGE— 11.4 ft^3/s.

MINIMUM DAILY DISCHARGE—0.15 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.3	0.4	0.4	0.4	0.6	0.8	1.8	3.0
5	.2	.2	.2	.3	.3	.4	.7	1.4
10	.2	.2	.2	.2	.3	.3	.5	1.0
20	.1	.2	.2	.2	.2	.3	.3	.7
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	1.5	1.7	2.2
June–Aug.	.2	.2	.2
Sept.–Nov.	.2	.2	.2
Dec.–Feb.	1.4	1.5	1.5

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	163	20	14	80	1.1
.9	125	30	8.9	90	.59
1.0	120	40	6.4	95	.41
2.0	83	50	4.8	98	.29
5.0	46	60	3.4	99	.24
10	27	70	2.1	99.5	.20

04100377 SOLOMON CREEK NEAR SYRACUSE, INDIANA

LOCATION—Lat 41°27′30″, long 85°43′12″, in NW1/4SE1/4 sec.28, T.35 N., R.7 E., Elkhart County, Hydrologic Unit 04050001, on right bank 40 ft upstream from County Road 52 East bridge over Solomon Creek, and 2.5 mi northeast of Syracuse.

DRAINAGE AREA— 36.1 mi^2.

PERIOD OF RECORD—October 1987 to current year.

AVERAGE DISCHARGE— 38.7 ft^3/s.

MINIMUM DAILY DISCHARGE—7.9 ft^3/s.

REMARKS— Only the $7Q_2$ and $7Q_{10}$ were calculated due to this site having less than 10 years of record; --, indicates that no flow characteristics were computed.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	--	--	12	--	--	--	--	--
5	--	--	--	--	--	--	--	--
10	--	--	7.5	--	--	--	--	--
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
5	76	35	45	65	27
10	64	40	42	70	25
15	58	45	38	75	24
20	54	50	35	80	21
25	51	55	32	85	19
30	48	60	30	90	16

04100465 TURKEY CREEK AT SYRACUSE, INDIANA

LOCATION—Lat 41°25′35″, long 85°45′16″, in NE1/4SE1/4 sec.6, T.34 N., R.7 E., Kosciusko County, Hydrologic Unit 04050001, on right bank 75 ft upstream from Main Street bridge in Syracuse and 1,500 ft downstream from dam at outlet of Syracuse Lake.

DRAINAGE AREA—43.8 mi^2.

PERIOD OF RECORD— October 1969 to September 1987 (discontinued).

AVERAGE DISCHARGE— 38.2 ft^3/s.

MINIMUM DAILY DISCHARGE—0.82 ft^3/s.

REMARKS— Flow regulated by dam on Syracuse Lake.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	3.0	3.2	3.4	3.7	4.0	4.8	9.2	15
5	2.0	2.2	2.3	2.6	2.9	3.4	4.9	7.8
10	1.5	1.7	1.8	2.0	2.4	2.9	3.5	5.1
20	.75	.86	1.1	1.3	1.7	2.3	2.4	2.4
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	3.6	3.9	4.8
June–Aug.	2.2	2.7	2.9
Sept.–Nov.	1.6	1.8	1.9
Dec.–Feb.	3.2	3.7	5.3

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	168	20	73	80	5.2
.9	155	30	58	90	3.8
1.0	152	40	42	95	3.1
2.0	133	50	25	98	2.4
5.0	105	60	14	99	2.1
10	91	70	7.7	99.5	1.9

04100500 ELKHART RIVER AT GOSHEN, INDIANA

LOCATION—Lat 41°35′36″, long 85°50′55″, in NE1/4NE1/4 sec.8, T.36 N., R.6 E., Elkhart County, Hydrologic Unit 04050001, on right bank 20 ft downstream from River Avenue bridge at Goshen, 0.4 mi upstream from Rock Run, and at mile 16.1.

DRAINAGE AREA—594 mi^2.

PERIOD OF RECORD— April 1931 to current year.

AVERAGE DISCHARGE— 538 ft^3/s.

MINIMUM DAILY DISCHARGE— 7.0 ft^3/s.

REMARKS— Occasional low-flow regulation at Goshen Dam, 3.4 mi upstream.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	120	134	139	147	160	183	222	267
5	62	88	102	107	116	128	154	185
10	39	66	85	90	98	107	127	154
20	16	51	73	77	85	91	108	132
50	8.1	23	54	56	63	77	90	111

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	211	236	267
June–Aug.	80	99	108
Sept.–Nov.	75	86	92
Dec.–Feb.	132	141	152

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2910	20	801	80	202
.9	2490	30	614	90	155
1.0	2430	40	489	95	124
2.0	1980	50	389	98	93
5.0	1420	60	309	99	78
10	1130	70	248	99.5	63

04101000 ST. JOSEPH RIVER AT ELKHART, INDIANA

LOCATION—Lat 41°41′30″, long 85°58′30″, in SW1/4NE1/4 sec.5, T.37 N., R.5 E., Elkhart County, Hydrologic Unit 04050001, on left bank 200 ft downstream from Elkhart River, 200 ft upstream from Main Street bridge in Elkhart, 2,000 ft downstream from Christiana Creek, 0.5 mi downstream from Elkhart Hydroelectric Plant, and at mile 76.5.

DRAINAGE AREA—3,370 mi^2.

PERIOD OF RECORD— August 1947 to current year.

AVERAGE DISCHARGE— 3,293 ft^3/s.

MINIMUM DAILY DISCHARGE—336 ft^3/s.

REMARKS— The flow is regulated by Elkhart Hydroelectric Plant.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	1050	1170	1270	1330	1410	1560	1820	2110
5	749	882	974	1020	1110	1210	1390	1590
10	619	752	840	893	975	1050	1190	1360
20	523	655	741	797	879	938	1050	1180
50	320	460	520	700	784	821	900	994

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	1640	1850	2050
June–Aug.	831	922	985
Sept.–Nov.	821	919	981
Dec.–Feb.	1120	1240	1320

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	12200	20	4640	80	1710
.9	10500	30	3850	90	1360
1.0	10200	40	3270	95	1150
2.0	8620	50	2800	98	939
5.0	7030	60	2390	99	807
10	5920	70	2040	99.5	722

04177720 FISH CREEK AT HAMILTON, INDIANA

LOCATION—Lat 41°31′55″, long 84°54′12″, in SE1/4SW1/4 sec.34, T.36 N., R.14 E., Steuben County, Hydrologic Unit 04100003, on left bank 6 ft upstream from bridge on County Road 775 South, 0.5 mi downstream from Hamilton Lake outlet, and 0.5 mi southeast of Hamilton.

DRAINAGE AREA—37.5 mi^2.

PERIOD OF RECORD— October 1969 to current year.

AVERAGE DISCHARGE— 34.1 ft^3/s.

MINIMUM DAILY DISCHARGE—0.52 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	1.9	2.0	2.1	2.4	3.0	4.2	7.1	11
5	1.2	1.3	1.5	1.7	2.0	2.7	3.8	6.1
10	1.0	1.1	1.2	1.4	1.8	2.2	2.7	4.3
20	.8	.9	1.1	1.3	1.6	1.9	2.1	3.3
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	4.5	5.7	7.6
June–Aug.	1.1	1.3	1.5
Sept.–Nov.	1.3	1.4	1.7
Dec.–Feb.	4.8	5.2	5.8

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	340	20	48	80	4.9
.9	279	30	33	90	3.0
1.0	271	40	24	95	2.3
2.0	200	50	17	98	1.7
5.0	123	60	12	99	1.5
10	82	70	7.7	99.5	1.3

04178000 ST. JOSEPH RIVER NEAR NEWVILLE, INDIANA

LOCATION—Lat 41°23′08″, long 84°48′06″, in SW1/4SW1/4 sec.18, T.5 N., R.1 E., Defiance County, Ohio, Hydrologic Unit 04100003, on left bank at bridge on Ohio State Highway 249; 3.5 mi northeast of Newville, 6.5 mi northwest of Hicksville, Ohio, and at mile 42.3.

DRAINAGE AREA—610 mi^2.

PERIOD OF RECORD— October 1946 to current year.

AVERAGE DISCHARGE— 539 ft^3/s.

MINIMUM DAILY DISCHARGE—14 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	36	37	39	42	49	62	97	153
5	23	24	25	27	31	37	55	85
10	19	19	20	22	25	29	41	61
20	16	16	17	18	21	24	32	46
50	13	13	14	15	17	19	25	33

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	93	113	138
June–Aug.	24	25	29
Sept.–Nov.	21	21	23
Dec.–Feb.	48	51	57

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	4750	20	797	80	73
.9	4010	30	491	90	48
1.0	3880	40	332	95	35
2.0	3080	50	235	98	26
5.0	2170	60	162	99	22
10	1500	70	107	99.5	20

04179000 ST. JOSEPH RIVER AT CEDARVILLE, INDIANA

LOCATION—Lat 41°11′46″, long 85°01′27″, in J. Hackley Reserve, T.32 N., R.13 E., Allen County, Hydrologic Unit 04100003, on left bank 700 ft upstream from highway bridge, 0.4 mi south of Cedarville, 0.5 mi upstream from Cedar Creek, 0.6 mi downstream from Cedarville Dam, and at mile 13.9.

DRAINAGE AREA—763 mi^2.

PERIOD OF RECORD— January 1931 to May 1932, October 1955 to September 1981 (discontinued).

AVERAGE DISCHARGE— 620 ft^3/s.

MINIMUM DAILY DISCHARGE—1.6 ft^3/s.

REMARKS— Flow regulated by Cedarville Reservoir and some flow diverted into storage of Hurshtown Reservoir. Low-flow statistics calculated for the regulated period, 1956 to 1981. Extreme variation in the 3- and 7-day seasonal values for Mar.-May caused statistical skews to exceed allowable limits: no values were computed.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	42	49	51	56	66	79	117	174
5	20	23	28	39	45	50	71	99
10	11	13	19	33	36	40	54	72
20	6.2	7.1	13	28	30	33	44	55
50	2.8	3.2	7.9	24	25	27	34	40

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	--	--	149
June–Aug.	20	32	44
Sept.–Nov.	21	27	32
Dec.–Feb.	50	55	61

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	5300	20	913	80	86
.9	4610	30	557	90	60
1.0	4500	40	378	95	46
2.0	3560	50	260	98	36
5.0	2570	60	178	99	30
10	1720	70	125	99.5	25

04179500 CEDAR CREEK AT AUBURN, INDIANA

LOCATION—Lat 41°21′57″, long 85°03′08″, in NE1/4NW1/4 sec.32, T.34 N., R.13 E., DeKalb County, Hydrologic Unit 04100003, on right bank 15 ft downstream from Ninth Street bridge in Auburn, and 2 mi upstream from John Diel ditch.

DRAINAGE AREA—87.3 mi^2.

PERIOD OF RECORD— July 1943 to September 1973.

AVERAGE DISCHARGE— 68.5 ft^3/s.

MINIMUM DAILY DISCHARGE—0.70 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	3.0	3.4	3.8	4.2	5.1	6.7	10	16
5	1.7	2.1	2.4	2.6	3.1	3.8	5.6	8.3
10	1.3	1.6	1.8	1.9	2.3	2.9	4.1	5.8
20	.9	1.3	1.4	1.5	1.8	2.4	3.2	4.3
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	11	15	17
June–Aug.	2.2	2.6	2.9
Sept.–Nov.	1.7	1.9	2.1
Dec.–Feb.	4.0	4.6	5.1

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	738	20	94	80	7.5
.9	613	30	58	90	4.8
1.0	598	40	39	95	3.7
2.0	470	50	27	98	2.8
5.0	297	60	18	99	2.2
10	180	70	12	99.5	1.6

04180000 CEDAR CREEK NEAR CEDARVILLE, INDIANA

LOCATION—Lat 41°13′08″, long 85°04′35″, in NW1/4NW1/4 sec.19, T.32 N., R.13 E., Allen County, Hydrologic Unit 04100003, on left bank at downstream side of bridge on State Highway 427; 3 mi northwest of Cedarville, 5.8 mi upstream from mouth, and 10 mi south of Auburn.

DRAINAGE AREA—270 mi^2.

PERIOD OF RECORD— October 1946 to current year.

AVERAGE DISCHARGE— 255 ft^3/s.

MINIMUM DAILY DISCHARGE—13 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	27	28	29	31	34	41	57	81
5	21	22	23	24	26	28	35	48
10	19	20	21	22	23	24	28	36
20	17	18	19	21	21	21	24	29
50	16	17	18	19	19	19	20	23

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	55	67	78
June–Aug.	23	24	26
Sept.–Nov.	20	21	22
Dec.–Feb.	29	30	33

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2760	20	332	80	44
.9	2300	30	215	90	32
1.0	2220	40	152	95	27
2.0	1650	50	116	98	23
5.0	998	60	85	99	22
10	611	70	60	99.5	20

04180500 ST. JOSEPH RIVER NEAR FORT WAYNE, INDIANA

LOCATION—Lat 41°10′41″, long 85°03′19″, in NW1/4NE1/4 sec.3, T.31 N., R.13 E., Allen County, Hydrologic Unit 04100003, on left bank 0.8 mi downstream from Ely Run, 1.3 mi upstream from Ely Bridge and Mayhew Road, 8.0 mi northeast of the Fort Wayne Court House.

DRAINAGE AREA—1,060 mi^2.

PERIOD OF RECORD— October 1983 to current year.

AVERAGE DISCHARGE— 1,112 ft^3/s.

MINIMUM DAILY DISCHARGE—43 ft^3/s.

REMARKS— Flow regulated by Cedarville Reservoir and some flow diverted into storage of Hurshtown Reservoir.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	87	97	116	130	177	228	301	425
5	57	62	79	90	122	150	176	270
10	45	48	64	75	100	121	134	212
20	36	39	54	65	85	102	107	174
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	237	252	271
June–Aug.	68	74	88
Sept.–Nov.	53	78	94
Dec.–Feb.	149	156	164

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	9800	20	1640	80	223
.9	7610	30	1100	90	158
1.0	7440	40	787	95	121
2.0	5930	50	564	98	91
5.0	4060	60	424	99	73
10	2720	70	311	99.5	64

04181500 ST. MARYS RIVER AT DECATUR, INDIANA

LOCATION—Lat 40°50′55″, long 84°56′16″, in SW1/4SW1/4 sec.27, T.28 N., R.14 E., Adams County, Hydrologic Unit 04100004, on right bank 10 ft downstream from bridge on U.S. Highway 27; 0.5 mi upstream from Holthouse Ditch, 1.3 mi north of Decatur, and at mile 29.1.

DRAINAGE AREA—621 mi^2.

PERIOD OF RECORD— October 1946 to current year.

AVERAGE DISCHARGE— 509 ft^3/s.

MINIMUM DAILY DISCHARGE—5.4 ft^3/s.

REMARKS— Flow regulated by Grand Lake. Slight diversion from or into Wabash River Basin and into Miami and Erie Canals.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	16	17	19	20	23	33	56	99
5	11	12	13	13	15	19	26	44
10	9.0	9.7	10	11	13	15	19	29
20	6.3	6.7	7.5	8.2	10	13	14	20
50	5.2	5.4	6.0	6.8	7.8	9.5	11	14

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	41	46	53
June–Aug.	14	15	16
Sept.–Nov.	9.6	10	11
Dec.–Feb.	19	20	22

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	6000	20	706	80	32
.9	4830	30	376	90	22
1.0	4630	40	212	95	18
2.0	3640	50	129	98	14
5.0	2410	60	81	99	12
10	1510	70	50	99.5	11

04182000 ST. MARYS RIVER NEAR FORT WAYNE, INDIANA

LOCATION—Lat 40°59′16″, long 85°06′43″, in A. LaFontaine Reserve, T.29 N., R.12 E., Allen County, Hydrologic Unit 04100004, on left bank 130 ft downstream from Anthony Boulevard Extension, 0.8 mi downstream from Houk Ditch, 5 mi south of Fort Wayne, and 10.8 mi upstream from mouth.

DRAINAGE AREA—762 mi^2.

PERIOD OF RECORD— October 1930 to current year.

AVERAGE DISCHARGE— 611 ft^3/s.

MINIMUM DAILY DISCHARGE—3.4 ft^3/s.

REMARKS— The flow is sometimes regulated by Grand Lake. Slight diversion from or into Wabash River Basin and into Miami and Erie Canal.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	16	17	19	21	24	33	60	106
5	11	11	12	14	16	20	29	50
10	8.3	8.8	9.8	11	14	16	21	34
20	6.8	7.3	8.2	9.5	12	14	16	25
50	5.4	5.9	6.7	8.1	11	12	13	18

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	43	48	56
June–Aug.	13	14	15
Sept.–Nov.	9.0	10	11
Dec.–Feb.	20	21	24

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	7090	20	817	80	37
.9	5920	30	437	90	24
1.0	5720	40	250	95	19
2.0	4510	50	151	98	14
5.0	3040	60	94	99	12
10	1790	70	59	99.5	9.9

04182590 HARBER DITCH AT FORT WAYNE, INDIANA

LOCATION—Lat 41°00′27″, long 85°10′58″, in NE1/4SW1/4 sec.33, T.30 N., R.12 E., Allen County, Hydrologic Unit 04100004, on left bank 50 ft upstream from bridge on Baer Road in Fort Wayne, 3.2 mi upstream from mouth. The stream name changes to Fairfield Ditch 0.7 mi downstream at bridge on Lower Huntington Road.

DRAINAGE AREA—21.9 mi^2.

PERIOD OF RECORD— May 1964 to September 1991 (discontinued).

AVERAGE DISCHARGE— 18.6 ft^3/s.

MINIMUM DAILY DISCHARGE—0.04 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.2	0.2	0.3	0.4	0.6	1.1	2.2	4.2
5	.1	.1	.2	.2	.3	.6	1.1	2.2
10	.1	.1	.1	.1	.2	.4	.8	1.5
20	.1	.1	.1	.1	.1	.2	.4	.8
50	.0	.0	.0	.0	.1	.2	.3	.8

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	0.8	1.0	1.5
June–Aug.	.1	.1	.2
Sept.–Nov.	.1	.1	.2
Dec.–Feb.	.3	.3	.4

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	348	20	20	80	.84
.9	266	30	11	90	.43
1.0	250	40	6.1	95	.28
2.0	170	50	3.9	98	.17
5.0	87	60	2.5	99	.12
10	44	70	1.5	99.5	.10

04182810 SPY RUN CREEK AT FORT WAYNE, INDIANA

LOCATION—Lat 41°06′18″, long 85°09′12″, in SW1/4SW1/4 sec.26, T.31 N., R.12 E., Allen County, Hydrologic Unit 04100004, on right bank 50 ft upstream from Sherman Boulevard bridge in Fort Wayne, and at mile 2.2.

DRAINAGE AREA—14.0 mi^2.

PERIOD OF RECORD— October 1983 to current year.

AVERAGE DISCHARGE— 18.3 ft^3/s.

MINIMUM DAILY DISCHARGE—0.93 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	1.6	1.8	2.0	2.5	3.3	5.1	7.4	8.7
5	1.1	1.4	1.7	1.9	2.4	3.5	5.5	6.4
10	1.0	1.2	1.5	1.7	2.0	2.8	4.8	5.6
20	.8	1.1	1.4	1.5	1.8	2.3	4.4	5.0
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	2.3	2.7	3.4
June–Aug.	1.4	1.7	2.0
Sept.–Nov.	1.4	1.6	1.7
Dec.–Feb.	2.1	2.2	2.3

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	318	20	18	80	3.3
.9	249	30	11	90	2.6
1.0	239	40	7.7	95	2.2
2.0	161	50	5.8	98	1.8
5.0	71	60	4.7	99	1.7
10	35	70	3.9	99.5	1.5

04183000 MAUMEE RIVER AT NEW HAVEN, INDIANA

LOCATION—Lat 41°05′06″, long 85°01′20″, in SE1/4NE1/4 sec.2, T.30 N., R.13 E., Allen County, Hydrologic Unit 04100005, on left bank 600 ft upstream from bridge on Landin Road, 1,400 ft upstream from the Norfolk and Western Railroad bridge, 1.1 mi northwest of New Haven, 2.8 mi upstream from Sixmile Creek and at mile 129.0.

DRAINAGE AREA—1,967 mi^2.

PERIOD OF RECORD— October 1956 to current year.

AVERAGE DISCHARGE— 1,758 ft^3/s.

MINIMUM DAILY DISCHARGE—48 ft^3/s.

REMARKS— Flow regulated by hydro-powerplant on the St. Joseph River 10.3 mi upstream from station. Flow slightly regulated by upstream reservoirs.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	101	118	132	151	178	238	354	547
5	76	84	93	102	114	141	195	288
10	65	71	78	84	93	110	144	200
20	57	62	67	72	79	91	114	146
50	50	53	56	61	68	75	87	100

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	267	319	389
June–Aug.	82	92	101
Sept.–Nov.	77	83	91
Dec.–Feb.	126	136	150

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	15100	20	2690	80	236
.9	12900	30	1640	90	152
1.0	12300	40	1080	95	120
2.0	9910	50	759	98	95
5.0	7160	60	525	99	81
10	4790	70	351	99.5	71

05515000 KANKAKEE RIVER NEAR NORTH LIBERTY, INDIANA

LOCATION—Lat 41°33′50″, long 86°29′50″, in NW1/4NE1/4 sec.23, T.36 N., R.1 W., St. Joseph County, Hydrologic Unit 07120001, on left bank at downstream side of bridge on county highway named “New Road," 2.7 mi upstream from Little Kankakee River, 4 mi northwest of North Liberty, and at mile 126.9.

DRAINAGE AREA—174 mi^2, of which 58.2 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD— January 1951 to current year.

AVERAGE DISCHARGE— 158 ft^3/s.

MINIMUM DAILY DISCHARGE—44 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	67	69	71	74	79	86	99	114
5	56	57	61	63	68	74	84	95
10	51	53	57	59	64	69	78	86
20	48	50	54	56	61	66	73	80
50	45	47	51	53	58	64	69	74

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	92	98	103
June–Aug.	55	59	62
Sept.–Nov.	59	62	64
Dec.–Feb.	74	77	81

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	536	20	206	80	95
.9	489	30	175	90	82
1.0	480	40	154	95	73
2.0	413	50	137	98	65
5.0	325	60	122	99	60
10	262	70	109	99.5	56

05515400 KINGSBURY CREEK NEAR LAPORTE, INDIANA

LOCATION—Lat 41°32′49″, long 86°43′48″, in SW1/4SE1/4 sec.23, T.36 N., R.3 W., La Porte County, Hydrologic Unit 07120001, on left bank at upstream side of bridge on County Road 400 South, 0.5 mi east of State Highway 39; 1.5 mi west of U.S. Highway 35 , and 3 mi south of LaPorte city limits.

DRAINAGE AREA—7.08 mi^2, of which 4.07 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD— October 1970 to September 1986.

AVERAGE DISCHARGE— 4.26 ft^3/s.

MINIMUM DAILY DISCHARGE—0.83 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	1.8	1.8	1.9	2.0	2.1	2.3	2.6	2.9
5	1.3	1.4	1.4	1.5	1.5	1.8	2.0	2.2
10	1.1	1.2	1.2	1.2	1.3	1.6	1.8	2.0
20	1.0	1.0	1.0	1.1	1.2	1.4	1.7	1.8
50	.8	.8	.9	.9	1.0	1.3	1.6	1.6

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	1.6	1.8	2.0
June–Aug.	1.4	1.4	1.5
Sept.–Nov.	1.2	1.2	1.4
Dec.–Feb.	1.2	1.3	1.5

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	19	20	5.6	80	2.3
.9	15	30	4.8	90	1.9
1.0	15	40	4.2	95	1.6
2.0	12	50	3.7	98	1.5
5.0	9.0	60	3.2	99	1.4
10	7.4	70	2.7	99.5	1.2

05515500 KANKAKEE RIVER AT DAVIS, INDIANA

LOCATION—Lat 41°24′00″, long 86°42′04″, in SE1/4NE1/4 sec.13, T.34 N., R.3 W., Starke County, Hydrologic Unit 07120001, on left bank at downstream side of bridge on U.S. Highway 30 at Davis, 0.5 mi downstream from Mill Creek, 4 mi east of Hanna, and at mile 110.9.

DRAINAGE AREA—537 mi^2, of which 137 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD— July 1905 to July 1906 and October 1924 to current year.

AVERAGE DISCHARGE— 520 ft^3/s.

MINIMUM DAILY DISCHARGE—154 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	249	252	257	264	277	298	333	368
5	204	206	210	217	229	246	276	304
10	183	185	189	196	208	224	252	277
20	168	169	173	180	193	208	235	258
50	152	153	157	164	178	192	218	238

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	319	335	352
June–Aug.	199	205	213
Sept.–Nov.	205	211	216
Dec.–Feb.	234	239	252

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1490	20	694	80	320
.9	1380	30	581	90	275
1.0	1360	40	507	95	246
2.0	1220	50	449	98	218
5.0	1050	60	403	99	197
10	893	70	361	99.5	181

05516000 YELLOW RIVER NEAR BREMEN, INDIANA

LOCATION—Lat 41°25′11″, long 86°10′14″, in NW1/4NW1/4 sec.10, T.34 N., R.3 E., Marshall County, Hydrologic Unit 07120001, on left bank at downstream side of bridge on East 4th Road, 0.5 mi downstream from Bunch ditch, 2 mi southwest of Bremen, and 4 mi upstream from Dausman ditch.

DRAINAGE AREA—135 mi^2.

PERIOD OF RECORD— August 1955 to September 1973 (discontinued).

AVERAGE DISCHARGE— 104 ft^3/s.

MINIMUM DAILY DISCHARGE—6.2 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	8.5	8.6	9.0	9.4	10	12	18	29
5	6.6	6.7	6.9	7.3	7.7	8.2	11	16
10	6.0	6.1	6.3	6.6	6.8	7.1	8.9	13
20	5.6	5.7	5.9	6.2	6.3	6.5	7.8	10
50	5.3	5.4	5.5	5.8	5.9	6.0	6.8	8.4

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	19	22	24
June–Aug.	7.5	7.8	8.3
Sept.–Nov.	6.3	6.5	6.7
Dec.–Feb.	8.2	8.5	10

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1070	20	131	80	15
.9	974	30	78	90	10
1.0	949	40	54	95	8.4
2.0	808	50	39	98	7.5
5.0	470	60	29	99	7.2
10	258	70	21	99.5	6.7

05516500 YELLOW RIVER AT PLYMOUTH, INDIANA

LOCATION—Lat 41°20′25″, long 86°18′16″, in SE1/4NW1/4 sec.13, T.33 N., R.2 E., Marshall County, Hydrologic Unit 07120001, on left bank 50 ft upstream from LaPorte Street footbridge in Plymouth, 1.1 mi downstream from Elmer Seltenright (formerly Baker) Ditch, 8.1 mi upstream from Wolf Creek, and at mile 40.3.

DRAINAGE AREA—294 mi^2, of which 22 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD— July 1948 to current year.

AVERAGE DISCHARGE— 267 ft^3/s.

MINIMUM DAILY DISCHARGE—13 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	31	32	33	35	38	46	65	92
5	22	23	24	25	28	31	41	55
10	19	20	21	22	25	27	33	43
20	17	18	19	20	23	24	28	35
50	15	16	16	18	21	22	24	28

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	63	72	79
June–Aug.	28	30	32
Sept.–Nov.	20	21	22
Dec.–Feb.	27	28	33

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2270	20	365	80	52
.9	1970	30	237	90	38
1.0	1920	40	170	95	32
2.0	1580	50	129	98	26
5.0	1060	60	97	99	23
10	682	70	72	99.5	22

05517000 YELLOW RIVER AT KNOX, INDIANA

LOCATION—Lat 41°18′10″, long 86°37′14″, in SW1/4SW1/4 sec.14, T.33 N., R.2 W., Starke County, Hydrologic Unit 07120001, on right bank 40 ft upstream from bridge on U.S. Highway 35 in Knox, 1.4 mi downstream from Eagle Creek, and at mile 11.6.

DRAINAGE AREA—435 mi^2, of which 51 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD— August 1905 to July 1906, August 1943 to current year.

AVERAGE DISCHARGE— 408 ft^3/s.

MINIMUM DAILY DISCHARGE—50 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	100	102	106	110	115	129	156	193
5	79	82	85	87	92	99	114	135
10	69	73	76	77	84	89	99	114
20	63	67	69	71	78	82	88	99
50	56	60	62	64	73	76	79	86

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	154	168	186
June–Aug.	88	91	94
Sept.–Nov.	80	82	83
Dec.–Feb.	85	88	95

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	2590	20	575	80	138
.9	2270	30	419	90	111
1.0	2220	40	325	95	97
2.0	1780	50	263	98	88
5.0	1240	60	213	99	81
10	884	70	170	99.5	77

05517500 KANKAKEE RIVER AT DUNNS BRIDGE, INDIANA

LOCATION—Lat 41°13′17″, long 86°57′52″, in NE1/4SE1/4 sec.15, T.32 N., R.5 W., Jasper County, Hydrologic Unit 07120001, on left bank at downstream side of abandoned bridge at Dunns Bridge, 1.8 mi north of Tefft, 3.6 mi upstream from Davis Ditch, and at mile 90.8.

DRAINAGE AREA—1,352 mi^2, of which 192 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD— July 1948 to current year.

AVERAGE DISCHARGE— 1,375 ft^3/s.

MINIMUM DAILY DISCHARGE—280 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	461	464	476	493	521	578	699	830
5	371	373	384	397	422	460	539	629
10	335	337	348	361	385	417	475	547
20	310	312	323	336	360	389	431	487
50	286	287	299	312	338	363	388	429

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	683	772	821
June–Aug.	380	395	414
Sept.–Nov.	364	373	381
Dec.–Feb.	432	449	481

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	4680	20	2040	80	656
.9	4270	30	1610	90	528
1.0	4190	40	1350	95	450
2.0	3660	50	1140	98	392
5.0	3140	60	953	99	369
10	2650	70	789	99.5	347

05517530 KANKAKEE RIVER NEAR KOUTS, INDIANA

LOCATION—Lat 41°15′14″, long 87°02′02″, in SW1/4NE1/4 sec.6, T.32 N., R.5 W., Jasper County, Hydrologic Unit 07120001, on left bank, 20 ft downstream from bridge on State Highway 49; 4.5 mi south of Kouts, 0.7 mi upstream from Cook Ditch, and at mile 86.7.

DRAINAGE AREA—1,376 mi^2, of which 194 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD— October 1974 to current year.

AVERAGE DISCHARGE— 1,543 ft^3/s.

MINIMUM DAILY DISCHARGE—292 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	481	492	507	524	562	628	762	909
5	389	397	413	436	476	515	601	734
10	356	362	381	409	452	481	544	669
20	334	339	360	393	439	462	507	626
50	--	--	--	--	--	--	--	--

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	858	880	930
June–Aug.	385	399	424
Sept.–Nov.	399	417	439
Dec.–Feb.	600	614	635

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	5000	20	2230	80	732
.9	4710	30	1800	90	598
1.0	4660	40	1510	95	527
2.0	4230	50	1310	98	472
5.0	3510	60	1100	99	429
10	2950	70	897	99.5	391

05517890 COBB DITCH NEAR KOUTS, INDIANA

LOCATION—Lat 41°20′19″, long 87°04′30″, in NW1/4SE1/4 sec. 2, T.33 N., R.6 W., Porter County, Hydrologic Unit 07120001, on left bank 15 ft upstream from bridge on County Road 50 West, 1.6 mi upstream from mouth, and 3 mi northwest of Kouts.

DRAINAGE AREA—30.3 mi^2.

PERIOD OF RECORD— July 1968 to current year.

AVERAGE DISCHARGE— 34.5 ft^3/s.

MINIMUM DAILY DISCHARGE—8.9 ft^3/s.

REMARKS— Prior to October 1971, published as State Ditch near Kouts.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	12	13	13	13	14	15	17	18
5	10	11	11	11	12	12	14	15
10	9.7	10	10	11	11	12	13	14
20	9.2	9.5	9.8	10	10	11	13	13
50	8.6	8.9	9.3	9.4	9.6	11	12	13

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	13	13	14
June–Aug.	11	11	12
Sept.–Nov.	11	11	11
Dec.–Feb.	11	11	11

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	358	20	40	80	16
.9	264	30	31	90	14
1.0	246	40	26	95	13
2.0	167	50	22	98	11
5.0	92	60	20	99	11
10	60	70	18	99.5	10

05518000 KANKAKEE RIVER AT SHELBY, INDIANA

LOCATION—Lat 41°10′58″, long 87°20′33″, in SW1/4NE1/4 sec.33, T.32 N., R.8 W., Lake County, Hydrologic Unit 07120001, on right bank 25 ft upstream from Monon Railroad bridge, 1 mi south of Shelby, 7.7 mi upstream from Beaver Lake Ditch, and at mile 67.9.

DRAINAGE AREA—1,779 mi^2, of which 201 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD— October 1922 to current year.

AVERAGE DISCHARGE— 1,676 ft^3/s.

MINIMUM DAILY DISCHARGE—260 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	560	567	574	590	621	674	807	958
5	446	450	463	479	506	542	635	741
10	396	399	417	436	462	494	571	656
20	320	330	360	406	432	462	526	596
50	270	275	320	377	404	433	485	538

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	826	898	950
June–Aug.	456	468	487
Sept.–Nov.	456	464	472
Dec.–Feb.	513	542	585

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	5470	20	2500	80	777
.9	5070	30	1960	90	628
1.0	4990	40	1620	95	549
2.0	4550	50	1350	98	487
5.0	3950	60	1120	99	448
10	3350	70	931	99.5	415

05519000 SINGLETON DITCH AT SCHNEIDER, INDIANA

LOCATION—Lat 41°12′44″, long 87°26′44″, in SW1/4NW1/4 sec.22, T.32 N., R.9 W., Lake County, Hydrologic Unit 07120001, on left bank 15 ft upstream from bridge on Ackerman Avenue, 0.5 mi upstream from Bruce Ditch, 1.5 mi downstream from Cedar Creek, 1.6 mi north of Schneider, and at mile 10.1.

DRAINAGE AREA—123 mi^2.

PERIOD OF RECORD— July 1948 to current year.

AVERAGE DISCHARGE— 114 ft^3/s.

MINIMUM DAILY DISCHARGE—3.6 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	14	15	15	16	18	21	30	42
5	8.9	9.2	9.6	10	11	13	18	25
10	6.9	7.1	7.4	7.8	8.8	11	14	19
20	4.5	4.6	5.0	5.0	6.5	8.1	10	13
50	3.6	3.7	3.8	3.8	4.6	6.8	9.0	12

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	26	30	34
June–Aug.	9.0	9.6	11
Sept.–Nov.	8.2	8.6	8.9
Dec.–Feb.	12	13	14

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1080	20	153	80	26
.9	935	30	105	90	18
1.0	910	40	78	95	14
2.0	696	50	60	98	9.8
5.0	416	60	46	99	8.3
10	257	70	34	99.5	6.9

05519500 WEST CREEK NEAR SCHNEIDER, INDIANA

LOCATION—Lat 41°12′52″, long 87°29′36″, in NW1/4NE1/4 sec.19, T.32 N., R.9 W., Lake County, Hydrologic Unit 07120001, on left bank at downstream side of county highway bridge, 1.2 mi upstream from Singleton Ditch, and 2.8 mi northwest of Schneider.

DRAINAGE AREA—54.7 mi^2.

PERIOD OF RECORD— July 1948 to December 1951, January 1954 to September 1972 (discontinued).

AVERAGE DISCHARGE— 41.4 ft^3/s.

MINIMUM DAILY DISCHARGE—2.6 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	6.6	6.6	6.9	7.1	7.6	8.8	11	16
5	4.7	5.0	5.3	5.8	6.2	6.9	7.8	9.6
10	3.8	4.2	4.6	5.2	5.6	6.1	6.5	7.3
20	3.2	3.6	4.0	4.7	5.1	5.4	5.6	5.8
50	2.5	3.0	3.5	4.3	4.7	4.8	4.8	4.8

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	8.0	8.7	9.4
June–Aug.	6.1	6.2	6.5
Sept.–Nov.	4.8	5.5	5.6
Dec.–Feb.	4.4	4.6	5.7

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	602	20	44	80	9.0
.9	454	30	29	90	7.3
1.0	438	40	21	95	6.2
2.0	310	50	17	98	5.2
5.0	161	60	14	99	4.8
10	82	70	11	99.5	4.5

05521000 IROQUOIS RIVER AT ROSEBUD, INDIANA

LOCATION—Lat 41°02′00″, long 87°10′49″, in NW1/4SW1/4 sec.24, T.30 N., R.7 W., Jasper County, Hydrologic Unit 07120002, on right bank 100 ft downstream from bridge on county road, 0.5 mi north of Rosebud, 0.5 mi downstream from confluence of Swain and Dexter Ditches, 1.5 mi upstream from Davidson Ditch, 2 mi east of Parr, and at mile 93.5.

DRAINAGE AREA—35.6 mi^2.

PERIOD OF RECORD— July 1948 to current year.

AVERAGE DISCHARGE— 28.5 ft^3/s.

MINIMUM DAILY DISCHARGE—0.50 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	3.8	4.0	4.0	4.3	4.7	5.3	7.7	11
5	2.4	2.5	2.6	2.8	3.1	3.5	4.5	6.5
10	2.2	2.3	2.4	2.7	3.0	3.3	3.4	4.8
20	1.3	1.4	1.5	1.7	1.8	2.4	2.7	3.4
50	.5	.5	.7	.8	1.1	1.3	1.4	2.2

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	7.9	8.7	9.8
June–Aug.	2.6	2.8	3.0
Sept.–Nov.	2.8	2.8	3.0
Dec.–Feb.	2.9	3.1	3.5

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	249	20	42	80	6.2
.9	200	30	30	90	4.3
1.0	190	40	23	95	3.5
2.0	145	50	18	98	2.7
5.0	93	60	13	99	2.2
10	64	70	8.7	99.5	1.6

05522000 IROQUOIS RIVER NEAR NORTH MARION, INDIANA

LOCATION—Lat 40°58′12″, long 87°06′50″, in NE1/4NW1/4 sec.16, T.29 N., R.6 W., Jasper County, Hydrologic Unit 07120002, on downstream side of county highway bridge, 1.2 mi upstream from Ryan Ditch, 2 mi east of North Marion, 3.5 mi northeast of Rensselaer, and at mile 87.7.

DRAINAGE AREA—144 mi^2.

PERIOD OF RECORD— December 1948 to current year.

AVERAGE DISCHARGE— 139 ft^3/s.

MINIMUM DAILY DISCHARGE— 1.6 ft^3/s.

REMARKS— Water from Oliver Ditch, an upstream tributary, can be diverted to Ryan Ditch and enter the Iroquois River below the station. Stream flow affected by irrigation.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	8.8	9.6	11	12	14	18	29	46
5	4.9	5.4	6.0	6.7	8.0	10	15	24
10	3.6	3.9	4.4	4.8	5.9	7.4	10	17
20	2.2	2.5	2.7	3.6	4.5	5.8	6.6	11
50	1.7	1.9	2.2	2.6	3.4	4.4	4.7	8.8

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	27	31	36
June–Aug.	5.3	6.0	6.8
Sept.–Nov.	4.1	4.6	5.0
Dec.–Feb.	11	12	14

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1120	20	205	80	23
.9	963	30	141	90	14
1.0	942	40	104	95	9.5
2.0	750	50	76	98	6.2
5.0	510	60	54	99	4.9
10	346	70	35	99.5	3.9

05522500 IROQUOIS RIVER AT RENSSELAER, INDIANA

LOCATION—Lat 40°56′00″, long 87°07′44″, in NW1/4SE1/4 sec.29, T.29 N., R.6 W., Jasper County, Hydrologic Unit 07120002, on right bank 20 ft downstream from bridge on State Highway 114, 0.8 mi east of Rensselaer, 1.5 mi downstream from Ryan Ditch, 5.5 mi upstream from Slough Creek, and at mile 84.9.

DRAINAGE AREA—203 mi^2.

PERIOD OF RECORD— July 1948 to current year.

AVERAGE DISCHARGE— 178 ft^3/s.

MINIMUM DAILY DISCHARGE— 2.2 ft^3/s.

REMARKS— Streamflow affected by irrigation.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	12	12	14	15	18	22	36	57
5	6.8	7.2	8.0	8.8	10	12	18	30
10	5.1	5.4	5.9	6.4	7.7	9.1	12	20
20	4.0	4.3	4.6	5.0	5.3	7.1	9.1	15
50	2.2	2.6	2.8	2.8	4.1	4.7	6.3	10

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	35	39	45
June–Aug.	7.2	7.8	8.8
Sept.–Nov.	5.6	6.2	6.6
Dec.–Feb.	13	14	16

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1500	20	262	80	27
.9	1300	30	175	90	17
1.0	1270	40	125	95	12
2.0	1010	50	92	98	7.7
5.0	686	60	66	99	5.9
10	452	70	43	99.5	4.8

05523000 BICE DITCH NEAR SOUTH MARION, INDIANA

LOCATION—Lat 40°52′00″, long 87°05′32″, in NE1/4NW1/4 sec.22, T.28 N., R.6 W., Jasper County, Hydrologic Unit 07120002, on left bank at upstream side of bridge on State Highway 16; 2.3 mi upstream from mouth, 3 mi southeast of South Marion, and 5 mi southeast of Rensselaer.

DRAINAGE AREA—21.8 mi^2.

PERIOD OF RECORD— December 1948 to September 1993 (discontinued).

AVERAGE DISCHARGE— 18.2 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— Low flows in summer may be affected by irrigation.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.3	0.3	0.4	0.5	0.6	0.8	1.7	3.4
5	.1	.1	.2	.2	.2	.3	.6	1.1
10	.0	.1	.1	.1	.1	.2	.3	.6
20	.0	.0	.0	.0	.1	.1	.2	.3
50	.0	.0	.0	.0	.0	.1	.1	.2

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	1.4	1.5	1.9
June–Aug.	.1	.2	.2
Sept.–Nov.	.1	.1	.1
Dec.–Feb.	.2	.3	.3

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	301	20	22	80	1.0
.9	216	30	14	90	.43
1.0	203	40	8.2	95	.23
2.0	137	50	5.1	98	.14
5.0	78	60	3.2	99	.11
10	46	70	1.9	99.5	.10

05523500 SLOUGH CREEK NEAR COLLEGEVILLE, INDIANA

LOCATION—Lat 40°53′30″, long 87°09′17″, in SE1/4NE1/4 sec.12, T.28 N., R.7 W., Jasper County, Hydrologic Unit 07120002, on right bank at downstream side of bridge on State Highway 53; 1.5 mi south of Collegeville, 2.2 mi downstream from Bice Ditch, 2.9 mi upstream from Carpenter Creek, and 3.2 mi upstream from mouth.

DRAINAGE AREA—83.7 mi^2.

PERIOD OF RECORD— July 1948 to December 1951, October 1952 to September 1982 (discontinued).

AVERAGE DISCHARGE— 70.1 ft^3/s.

MINIMUM DAILY DISCHARGE—0.70 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	3.5	3.6	3.7	4.1	4.7	6.1	11	17
5	1.9	2.0	2.0	2.2	2.6	3.2	5.0	7.8
10	1.3	1.4	1.4	1.6	1.8	2.3	3.3	5.1
20	1.0	1.0	1.1	1.2	1.4	1.8	2.3	3.6
50	.7	.7	.7	.8	1.0	1.3	1.5	2.4

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	7.5	10	11
June–Aug.	2.9	3.2	3.7
Sept.–Nov.	1.8	1.8	1.9
Dec.–Feb.	2.2	2.3	2.7

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	933	20	87	80	7.1
.9	746	30	52	90	4.4
1.0	719	40	34	95	3.0
2.0	521	50	23	98	2.0
5.0	301	60	16	99	1.6
10	178	70	11	99.5	1.3

05524000 CARPENTER CREEK AT EGYPT, INDIANA

LOCATION—Lat 40°51′58″, long 87°12′20″, in SE1/4SW1/4 sec.15, T.28 N., R.7 W., Jasper County, Hydrologic Unit 07120002, on left bank at downstream side of bridge on State Highway 16; 0.5 mi north of Egypt, 4 mi southwest of Collegeville, and at mile 4.0.

DRAINAGE AREA—44.8 mi^2.

PERIOD OF RECORD— July 1948 to December 1951, October 1952 to September 1982 (discontinued).

AVERAGE DISCHARGE— 38.3 ft^3/s.

MINIMUM DAILY DISCHARGE—0.00 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	0.2	0.3	0.3	0.4	0.6	1.0	3.0	6.5
5	.0	.0	.0	.1	.1	.3	.8	2.1
10	.0	.0	.0	.0	.0	.2	.4	1.1
20	.0	.0	.0	.0	.0	.1	.2	.6
50	.0	.0	.0	.0	.0	.0	.1	.3

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	3.4	3.9	4.7
June–Aug.	.1	.1	.2
Sept.–Nov.	.0	.0	.0
Dec.–Feb.	.2	.2	.3

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	604	20	47	80	1.3
.9	449	30	28	90	.46
1.0	436	40	18	95	.22
2.0	313	50	11	98	.08
5.0	172	60	6.1	99	.01
10	96	70	3.0	99.5	.01

05524500 IROQUOIS RIVER NEAR FORESMAN, INDIANA

LOCATION—Lat 40°52′14″, long 87°18′24″, in NE1/4SE1/4 sec.15, T.28 N., R.8 W., Newton County, Hydrologic Unit 07120002, on right bank at downstream side of bridge on State Highway 55; 0.2 mi north of intersection of State Highways 16 and 55; 0.5 mi downstream from Mosquito Creek, 0.6 mi west of Foresman, 3 mi east of Brook, and at mile 72.7.

DRAINAGE AREA—449 mi^2.

PERIOD OF RECORD— December 1948 to current year.

AVERAGE DISCHARGE— 403 ft^3/s.

MINIMUM DAILY DISCHARGE—6.3 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	22	23	24	26	30	39	71	115
5	13	13	14	15	18	21	34	57
10	9.6	10	11	12	13	16	23	38
20	7.6	8.1	8.7	9.2	11	13	16	27
50	5.9	6.3	6.8	7.1	8.7	10	11	18

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	72	84	97
June–Aug.	14	15	17
Sept.–Nov.	10	11	12
Dec.–Feb.	24	25	29

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	3180	20	644	80	51
.9	2790	30	397	90	28
1.0	2700	40	274	95	20
2.0	2190	50	194	98	14
5.0	1530	60	136	99	12
10	1090	70	83	99.5	10

05536179 HART DITCH AT DYER, INDIANA

LOCATION—Lat 41°30′28″, long 87°30′36″, in NE1/4NE1/4, sec. 12, T.35N., R.10W., Lake County, Hydrologic Unit 07120003, on right bank 50 feet upstream from 213th Street in Dyer, 0.8 mi upstream from Dyer Dtich.

DRAINAGE AREA— 37.6 mi^2.

PERIOD OF RECORD—October 1989 to current year.

AVERAGE DISCHARGE— 53.4 ft^3/s.

MINIMUM DAILY DISCHARGE—1.5 ft^3/s.

REMARKS— Only the $7Q_2$ and $7Q_{10}$ were calculated due to this site having less than 10 years of record; --, indicates that no flow characteristics were computed.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	--	--	0.6	--	--	--	--	--
5	--	--	--	--	--	--	--	--
10	--	--	.3	--	--	--	--	--
20	--	--	--	--	--	--	--	--
50	--	--	--	--	--	--	--	--

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
5	222	35	31	65	9.7
10	138	40	25	70	7.8
15	90	45	21	75	6.5
20	66	50	18	80	5.4
25	50	55	15	85	4.5
30	38	60	12	90	3.8

05536190 HART DITCH AT MUNSTER, INDIANA

LOCATION—Lat 41°33′40″, long 87°28′50″, in SE1/4NW1/4 sec.20, T.36 N., R.9 W., Lake County, Hydrologic Unit 07120003, on left bank at Munster city limits, 0.2 mi downstream from Ridge Road, and 0.4 mi upstream from mouth.

DRAINAGE AREA—70.7 mi^2.

PERIOD OF RECORD— September 1942 to current year.

AVERAGE DISCHARGE— 66.5 ft^3/s.

MINIMUM DAILY DISCHARGE—1.6 ft^3/s.

REMARKS— None.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	4.1	4.5	4.9	5.4	6.6	8.4	13	20
5	2.9	3.2	3.4	3.7	4.6	5.5	7.6	10
10	2.4	2.6	2.8	3.2	3.9	4.5	5.9	7.3
20	2.1	2.3	2.4	2.8	3.4	3.9	4.8	5.4
50	1.8	1.9	2.0	2.4	3.0	3.3	3.8	3.8

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	8.9	10	12
June–Aug.	3.4	3.7	4.3
Sept.–Nov.	3.0	3.2	3.6
Dec.–Feb.	3.6	3.9	4.3

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	1040	20	74	80	8.0
.9	805	30	46	90	5.8
1.0	773	40	32	95	4.6
2.0	527	50	23	98	3.9
5.0	273	60	17	99	3.3
10	150	70	12	99.5	2.8

05536195 LITTLE CALUMET RIVER AT MUNSTER, INDIANA

LOCATION—Lat 41°34′07″, long 87°31′18″, in SE1/4NW1/4 sec.13, T.36 N., R.10 W., Lake County, Hydrologic Unit 07120003, on left bank 200 ft upstream from Hohman Avenue bridge at Munster north city limits, 0.4 mi upstream from Indiana-Illinois State line, and 4.6 mi upstream from Thorn Creek.

DRAINAGE AREA—90.0 mi^2.

PERIOD OF RECORD— June 1958 to current year.

AVERAGE DISCHARGE— 74.9 ft^3/s.

MINIMUM DAILY DISCHARGE— 1.9 ft^3/s.

REMARKS— Flow from eastern part of Little Calumet River Basin is diverted to Lake Michigan by Burns Ditch.

Magnitude and frequency of annual low flow

Recurrence interval (years)	Lowest average flow, in ft^3/s, for indicated period of consecutive days							
	1	3	7	14	30	60	120	183
2	6.0	6.3	6.7	7.4	9.9	13	21	32
5	4.0	4.2	4.6	5.2	6.9	8.8	13	18
10	3.2	3.4	3.8	4.5	5.9	7.2	11	13
20	2.4	2.5	2.8	3.6	5.2	6.1	8.7	10
50	1.8	2.2	2.2	3.2	4.6	5.2	7.0	7.3

Magnitude of 10-year seasonal low flow

3-month period	Lowest average flow, in ft^3/s, for indicated period of consecutive days		
	3	7	14
Mar.–May	11	12	14
June–Aug.	3.9	4.2	5.3
Sept.–Nov.	4.0	4.3	5.5
Dec.–Feb.	5.9	6.5	7.3

Percentage of time daily discharge was equaled or exceeded for the period of record

Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)	Percentage of time	Discharge (ft^3/s)
0.5	664	20	108	80	13
.9	584	30	67	90	8.5
1.0	570	40	46	95	6.8
2.0	462	50	33	98	5.4
5.0	300	60	25	99	4.5
10	195	70	18	99.5	3.8

TABLE 2

LOW-FLOW CHARACTERISTICS FOR

PARTIAL-RECORD STATIONS IN INDIANA

Table 2. Low-flow characteristics for partial-record stations in Indiana

[mi^2, square miles; ft^3/s, cubic feet per second; Ind., Indiana; Lat, latitude; °, degrees; ′, minutes; ″, seconds; Long, longitude; Sec, Section; T, Township; R, Range; N, North; E, East; S, South; W, West; --, no estimate of $7Q_2$]

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03274800	Martindale Creek near Cambridge City, Ind.	58.1	Lat 39°49′50″, Long 85°08′32″, on a line between Secs 13 and 24, T.16N., R.12E., Wayne County, 1.25 miles upstream from U.S. Highway 40, and 1.75 miles northeast of Cambridge City	1.6	3.8
03274900	Greens Fork at Greens Fork, Ind.	66.7	Lat 39°53′35″, Long 85°02′39″, in NE1/4 SW1/4 Sec 26, T.17N., R.13E., Wayne County, at State Highway 38 bridge at west edge of Greens Fork.	1.9	5.1
03275200	Salt Creek near Metamora, Ind.	115	Lat 39°26′35″, Long 85°11′01″, in SW1/4 Sec 34, T.12N., R.12E., Franklin County, 0.3 mile south or U.S. Highway 52, and 2.75 miles west of Metamora.	.5	1.2
03275576	Elkhorn Creek at Richmond, Ind.	27.5	Lat 39°45′15″, Long 84°55′17″, in Sec 31, T.13N., R.1W., Wayne County, at bridge on U.S. Highway 27, 3.5 miles south of Richmond.	.0	--
03275700	Silver Creek near Liberty, Ind.	9.67	Lat 39°39′36″, Long 84°55′39″, on line between Sec 31, T.12N., R.1W., and Sec 36, T.12N, R.2W., Union County, at bridge on U.S. Highway 27, 1.5 miles north of Liberty.	.0	.0
03275850	Hanna Creek near Roseburg, Ind.	22.3	Lat 39°34′58″, Long 84°56′48″, in SW1/4 SW1/4 Sec 25, T.11N., R.2W., Union County, at bridge on State Highway 101, 0.5 mile south of Roseburg.	.1	.8
03276527	Big Cedar Creek at Cedar Grove, Ind.	29.6	Lat 39°21′27″, Long 84°56′26″, in SE1/4 NW1/4 Sec 13, T.8N. R.2W., Franklin County, on U.S. Highway 52, 0.1 mile west of Cedar Grove or 5.4 miles east of Brookville on Big Cedar Creek.	.0	--
03276630	Tanners Creek near Guilford, Ind.	84.1	Lat 39°09′15″, Long 84°53′50″, E1/2 Sec 29, T.6N., R.1W., Dearborn County, on Pribble Road low water bridge crossing 2.3 miles southeast of Guilford.	.0	.2

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03276750	Laughery Creek near Ballstown, Ind.	39.8	Lat 39°14′42″, Long 85°14′52″, in SW1/4 NE1/4 Sec 12, T.9N., R.11E., Ripley County, at bridge on State Highway 229, 0.6 mile south of Ballstown.	0.0	0.0
0327678050	Laughery Creek near Versailles, Ind.	151	Lat 39°06′13″, Long 85°14′16″, in SE1/4 Sec 30, T.8N., R.12E., Ripley County, Tributary to Ohio River at filtration plant on State Highway 350, 2.5 miles east of Osgood.	.0	--
0327679050	Falling Timber Creek near Versailles, Ind.	6.00	Lat 39°04′52″, Long 85°13′55″, in NW1/4 SE1/4 Sec 6, T.8N., R.12E., Ripley County, alongside trail upstream from mouth approximately 1.5 miles northeast of Versailles.	.0	.0
03276805	Laughery Creek at Versailles, Ind.	167	Lat 39°04′28″, Long 85°14′42″, on line between Secs 1 and 12, T.7N., R.11E., Ripley County, 1.4 miles upstream from U.S. Highway 50, at dam on Laughery Creek in Versailles State Park at Versailles.	.0	--
032917875	Brushy Creek at Manville, Ind.	15.3	Lat 38°47′28″, Long 85°16′14″, in Sec 14 T.4N., R.11E., Jefferson County, at mouth in Manville.	.0	--
0329179050	West Fork Indian-Kentuck Creek near Manville, Ind.	10.3	Lat 38°47′13″, Long 85°16′57″, in Sec 15, T.4N., R.11E., Jefferson County, at Manville.	.0	--
03291800	Indian-Kentuck Creek near Manville, Ind.	121	Lat 38°47′10″, Long 85°16′58″, in SE 1/4 Sec 15, T.4N., R.11E., Jefferson County, southeast of Manville, 0.2 miles below mouth of west fork Indian-Kentuck Creek.	.0	--
03292400	Fourteenmile Creek near Charlestown, Ind.	97.0	Lat 38°27′58″, Long 85°37′04″, in SE1/4 SE1/4 of Lot 120, T.2S., R.9E., Clark County, Clark military grant at bridge on State Highway 62, 3 miles northeast of Charlestown.	.0	.2
03293665	Blue Lick Creek at Memphis, Ind.	6.90	Lat 38°30′00″, Long 85°45′55″, Clark County, at Bridge on U.S. Highway 31, 2.4 miles north of Memphis.	.0	--

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
032939205 (382457085451 001)	Muddy Fork Creek near Speed, Ind.	65.8	Lat 38°24′57″, Long 85°45′10″, in Sec 130, T.1S., R.6E., Clark County, Tributary to Silver Creek at bridge on U.S. Highway 31, on north edge of Speed.	0.0	--
0330000050	Silver Creek near New Albany, Ind.	212	Lat 38°20′03″, Long 85°47′41″, Floyd County, at Blackiston Mill, and 1 mile north of New Albany.	.0	--
03302600	Little Indian Creek near Corydon, Ind.	32.5	Lat 38°11′59″, Long 86°05′44″, NE1/4 Sec 5, T.4S., R.4E., Harrison County, at bridge on County Highway, 0.2 mile south of State Highway 62, 1.75 miles east of Corydon.	.2	.5
03302700	Middle Fork Blue River near Salem, Ind.	38.4	Lat 38°32′36″, Long 86°05′37″, in NE1/4 Sec 8, T.1N., R.4E., Washington County, at bridge on State Highway 135, 1.7 miles upstream from confluence with west fork Blue River and 3.8 miles south of Salem.	.0	.0
03302730	South Fork Blue River near Palmyra, Ind.	64.3	Lat 38°28′07″, Long 86°4′55″, in SW1/4 NE1/4 NW1/4 Sec 4, T.1S., R.4E., Washington County at bridge on Old Palmyra Road, 0.2 mile north of State Highway 135, 4.7 miles north of Junction of U.S. Highway 150 and State Highway 135 at Palmyra.	.0	.0
03302850	Whiskey Run at Milltown, Ind.	39.8	Lat 38°21′08″, Long 86°17′01″, in SE 1/4 SW1/4 Sec 10, T.2S. R.2E., Crawford County, at bridge on County Road, 0.25 mile south of State Highway 64 and 0.8 mile north of intersection of Main and Station in Milltown.	.1	.5
03302900	Spring Creek near White Cloud, Ind.	36.6	Lat 38°14′20″, Long 86°13′45″, SE1/4 Sec 19, T.35S., R.3E., Harrison County, at county bridge 0.8 mile north of White Cloud.	5.9	11
03303050	Bird Hollow Creek near English, Ind.	9.31	Lat 38°21′02″, Long 86°28′01″, in SE1/4 NW1/4 NW1/4 Sec 13, T.2S., R.1W., Crawford County, at bridge on State Highway 37, 0.7 mile north of Highway 64.	.0	.0

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03303160	Little Blue River near Grantsburg, Ind.	54.4	Lat 38°16′53″, Long 86°28′03″, in SW1/4 SE1/4 Sec 1, T.3S., R.1W., Crawford County, at bridge on State Highway 37, 0.5 mile south of Grantsburg.	0.0	0.2
03303181	Little Blue River near Sulphur, Ind.	92.6	Lat 38°12′53″, Long 86°27′11″, in SE1/4 NW1/4 NW1/4 Sec 36, T.35., R.1E., Crawford County, Tributary to Ohio River at bridge on U.S. Highway 460, 1 mile southeast of Sulphur.	.0	--
033031862	Stinking Fork Little Blue River at Sulphur Springs, Ind.	27.0	Lat 38°12′33″, Long 86°28′29″, in S1/2 Sec 35, T.3S., R.1N., Crawford County, on State Road 66 at Sulphur Springs.	.0	--
03303190	Little Blue River near Beechwood, Ind.	128	Lat 38°10′01″, Long 86°24′57″, SW1/4 NE1/4 SE1/4 Sec 16, T.4S., R.1E., Crawford County, 0.5 mile above confluence with Turkey Fork, at county, road 3.0 miles south of Beechwood.	.1	.3
03303240	Deer Creek near Cannelton, Ind.	8.70	Lat 37°58′16″, Long 86°38′40″, in SW1/4 SE1/4 SE1/4 Sec 20 T.6S., R.2W., Perry County, at county road bridge, 6.8 miles northeast of Cannelton.	.0	.0
033032785	Anderson River at St. Meinrad, Ind.	95.2	Lat 38°10′02″, Long 86°47′53″, NW1/4 SE1/4 Sec 13, T.4S., R.4W., Spencer County, on Bristow St. Meinrad Road, 0.8 mile southeast of St. Meinrad	.0	--
03303950	Otter Creek near De Gonia Springs, Ind.	30.1	Lat 38°02′24″, Long 87°12′22″, in SE1/4 SE1/4 NE1/4 Sec 32 T.5S., R.7W., Warrick County, at bridge on State Highway 62, 1.5 miles southwest of De Gonia Springs.	.6	1.0
03304000	Little Pigeon Creek near Tennyson, Ind.	150	Lat 38°02′43″, Long 87°07′08″, in NW1/4 Sec 31, T.5S., R.6W., Warrick County, at bridge operated as continuous-record gaging, on State Highway 161 or East 650 Road, 2.3 miles south of Tennyson.	.0	.0

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03304055	Little Pigeon Creek near Midway, Ind.	268	Lat 38°00′23″, Long 87°10′29″, in SE1/4 Sec 10, T.6S., R.7W. Warrick County, at bridge on State Highway 161, 1.3 miles downstream from Otter Creek, 2.0 miles west of Midway and 3.4 miles south of De Gonia Springs.	0.0	--
03322050	Pigeon Creek near Buckskin, Ind.	190	Lat 38°11′38″, Long 87°25′28″, on line between Secs 4 and 9, T.4S. R.9W., Warrick County, at bridge on State Highway 68, 2.3 miles south of Buckskin and 6.4 miles west of Lynnville.	.0	--
03322800	Bear Creek near Bryant, Ind.	14.5	Lat 40°30′53″, Long 84°58′23″, SE 1/4 Secs 19, T.24N., R.14E. Jay County, at bridge on U.S. Highway 27, 1.2 miles south of Bryant.	.0	.0
03322860	Loblolly Creek at Geneva, Ind.	67.2	Lat 40°34′59″, Long 84°57′38″, NW1/4 NE1/4 Sec 32, T.25N., R.14E., Adams County, 200 feet upstream from bridge on U.S. Highway 27, at south edge of Geneva.	.5	1.1
03322880	Limberlost Creek at Geneva, Ind.	41.7	Lat 40°34′59″, Long 84°57′38″, NW1/4 Sec 32, T.25N., R.14E. Adams County, 200 feet upstream from bridge on U.S. Highway 27, at south edge of Geneva.	.1	.2
03322980	Sixmile Creek near Bluffton, Ind.	30.0	Lat 40°42′24″, Long 85°05′16″, in NE1/4 NE1/4 SW1/4 Sec 14, T.26N., R.12E., Wells County, on County Road 250 south, about 3 miles southeast of Bluffton.	.1	.3
03323150	Rock Creek near Rockford, Ind.	80.8	Lat 40°44′31″, Long 85°18′24″, in NW1/4 NW1/4 NE1/4 Sec 5, T.26N., R.11E., Wells County, at bridge on State Highway 124, 3.5 miles east of State Highway 3.	.7	2.0
03323200	Rock Creek near Markle, Ind.	93.7	Lat 40°47′47″, Long 85°21′28″, NE1/4 Sec 14, T.27N., R.10E. Huntington County, at bridge on State Highway 3, 2.2 miles southwest of Markle.	No correlation	

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03323700	Aboite Creek near Aboite, Ind.	52.7	Lat 40°59′23″, Long 85°21′00″, on line between Secs 1 and 12, T.29N., R.10E., Huntington County, on County Road 1100 north, 0.5 mile east of State Highway 37, 800 feet above mouth, 2.25 miles northeast of Roanoke.	0.6	1.9
03323800	Eightmile Creek at Zanesville, Ind.	45.8	Lat 40°54′40″, Long 85°17′30″, in Sec 4, T.28N., R.11E., Wells County, at bridge on State Highway 3, 0.7 mile southwest of Zanesville.	.2	.8
03324050	Clear Creek near Huntington, Ind.	49.0	Lat 40°54′57″, Long 85°32′31″, in NE1/4 NW1/4 NW1/4 Sec 5, T.28N., R.9E., Huntington County, at bridge on State Highway 16, 0.75 mile west of State Highway 5.	.0	.2
03324102	Loon Creek at Huntington, Ind.	12.5	Lat 40°50′31″, Long 85°31′36″, in NW1/4 Sec 33, T.28N., R.9E., Huntington County, at bridge on State Highway 37, 1.5 miles southwest of Huntington.	.0	--
03324250	Salamonie River at Montpelier, Ind.	253	Lat 40°33′33″, Long 85°16′43″, NE 1/4 NE1/4 SE 1/4 Sec 4, T.24N., R.11E., Blackford County, at bridge on State Highway 303, on north edge of Montpelier.	2.9	6.5
03324270	Prairie Creek near Montpelier, Ind.	32.1	Lat 40°36′27″, Long 85°21′31″, in N1/2 NE1/4 Sec 23, T.25N., R.10E., Wells County, on Jeff Road 5.3 miles northwest of Montpelier.	.0	.0
03324280	Black Creek near Warren, Ind.	47.0	Lat 40°38′55″, Long 85°26′02″, in NW1/4 SE1/4 NE1/4 Sec 6, T.25N., R.10E., Wells County, at bridge on County Road 1120 West about 2 miles south of Warren.	.0	.0
03324700	Treaty Creek at Wabash, Ind.	30.1	Lat 40°47′31″, Long 85°48′36″, SE1/4 NE1/4 NE1/4 Sec 14, T.27N., R.6E., Wabash County, at bridge on Water Works Road, 0.5 mile southeast of Wabash.	No correlation	

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03325700	Halfway Creek near Albany, Ind.	19.1	Lat 40°19′37″, Long 85°12′56″, in NW1/4 NW1/4 SE1/4 Sec 29, T.22N., R.12E., Delaware County, at bridge on County Road 15 East, 1.0 mile north of State Highway 67, 1.5 miles northeast of Albany.	.0	.0
033258205	Mud Creek near Albany, Ind.	11.7	Lat 40°17′15″, Long 85°14′10″, in NW1/4 Sec 12, T.21N., R.11E., Delaware County, at bridge on county road; 1,300 feet upstream from mouth and 0.8 mile south of Albany.	0.0	--
03325940	Campbells Creek near Desoto, Ind.	20.4	Lat 40°15’39”, Long 85°17’22”, in NW1/4 Sec 21, T.21., R.11E., Delaware County, at bridge on County Road 525 East, 1 mile north of Desoto.	.0	--
033259605	Mississinewa River Tributary near Albany, Ind.	2.35	Lat 40°17′03″, Long 85°17′36″, on line between Secs 8 and 9, T. 21N., R.11E., Delaware County, tributary of Mississinewa River, 0.5 mile south of State Highway 67/28 on 500 East Road at bridge, 3.1 miles southwest of Albany.	.0	--
033259845	Bosman Ditch near Albany, Ind.	3.05	Lat 40°20′03″, Long 85°17′08″, in N1/2 Sec 28, T.22N., R.11E., Delaware County, at bridge on County Road 550 East, 3.5 miles northwest of Albany.	.0	--
033259855	Bosman Ditch Tributary near Albany, Ind.	1.56	Lat 40°19′40″, Long 85°17′08″, at center of Sec 28, T.22N., R.11E., Delaware County, at bridge on County Road 550 East, 0.3 mile upstream from mouth, and 3.2 miles northwest of Albany	.0	--
0332601850	Rees Ditch near Dunkirk, Ind.	6.43	Lat 40°22′24″, Long 85°16′38″, on line between Secs 9 and 10, T.22N., R.11E., Delaware County, at bridge on County Road 600 East, and 3.6 miles west of Dunkirk.	.0	--
03326025	Rees Ditch near Eaton, Ind.	13.5	Lat 40°20’08”, Long 85°19’25”, in SW1/4 Sec 19, T.22N., R.11E., Delaware County at bridge on County Road 350 East, 0.9 mile east of Eaton.	No correlation	

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03326100	Big Lick Creek near Wheeling, Ind.	76.2	Lat 40°22′37″, Long 85°26′52″, NE1/4 Sec 12, T.22N., R.9E., Delaware County, at county highway bridge 0.8 mile upstream from mouth and 1.25 miles northeast of Wheeling.	No correlation	
03326130	Studebaker Ditch near Wheeling, Ind.	10.5	Lat 40°20′10″, Long 85°25′35″, on line between Sec 19 and 20, T.22N., R.10E., Delaware County, at bridge on County Road 200 West, 2.7 miles southeast of Wheeling.	No correlation	
033261405	Hayden Ditch near Wheeling, Ind.	4.45	Lat 40°20′08″, Long 85°27′55″, on line between Secs 24 and 25, T.22N., R.9E., Delaware County, at bridge on County Road 1000 North, 0.9 mile upstream from mouth and 2.2 miles south of Wheeling.	0.0	--
033261455	Hedgeland Ditch near Wheeling, Ind.	2.76	Lat 40°20′39″, Long 85°27′55″, in NE1/4 Secs 23, T.22N., R.9E., Delaware County, at bridge on U.S. Highway 35, 0.6 mile upstream from mouth, and 1.4 miles south of Wheeling.	.0	--
03326375	Deer Creek at Marion, Ind.	45.2	Lat 40°30′30″, Long 85°38′15″, in the NE1/4 Sec 29, T.24N., R.8E., Grant County, on Lincoln Boulevard, at the south edge of Marion.	.3	1.2
03326480	Lugar Creek at Marion, Ind.	30.0	Lat 40°32′20″, Long 85°37′40″, in SW1/4 SE1/4 SW1/4 Sec 9, T.24N., R.8E., Grant County, at bridge on Stone Road, 2.0 miles east of Marion.	.3	.7
0332675550	Badger Creek near La Fontaine, Ind.	2.80	Lat 40°40′02″, Long 85°43′44″, in SE1/4 SW1/4 Sec 27, T.26N., R.7E., Wabash County, at bridge on County Road 1100 South, 0.5 mile southwest of La Fontaine.	.0	.0
03327530	Minnow Creek Tributary near Logansport, Ind.	.50	Lat 40°43′46″, Long 86°17′48″, in NW1/4 NW1/4 SW1/4 Sec 3, T.26N., R.2E., Cass County, at culvert on U.S. Highway 35, 4.0 miles southeast of State Highway 29 in Logansport.	.0	--

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
033275554	Johnson Drain near Churubusco, Ind.	8.67	Lat 41°11′13″, Long 85°17′32″, SE1/4 NE1/4 Sec 31, T.32N., R.11E., Allen County, at bridge on State Road 33, 3.3 miles southeast of Churubusco.	.2	.6
03327590	Eel River near Columbia City, Ind.	77.4	Lat 41°08′33″, Long 85°27′25″, NW1/4 SE1/4 NE1/4 Sec 13, T.13N., R.9E., Whitley County, at bridge on Old U.S. Highway 30, 1.5 miles east of junction 9 and 30.	4.8	9.0
03327620	Blue River near Churubusco, Ind.	35.8	Lat 41°13′49″, Long 85°23′27″, in E1/2 Sec 17, T.32N., R.10E., Whitley County, at bridge on Anderson Road, 4 miles west of Churubusco and 0.75 mile east of County Road 450 East.	1.5	2.1
03327770	Blue River near Columbia City, Ind.	61.0	Lat 41°10′52″, Long 85°27′24″, in SW1/4 Sec 35, T.32N., R.9E., Whitley County, 2.6 miles east of State Highway 9, 2.2 miles northeast of Columbia City, 2.5 miles downstream from Thorn Creek.	3.5	5.0
03327853	Spring Creek near Columbia City, Ind.	8.12	Lat 41°09′55″, Long 85°34′05″, in SE1/4 SE1/4 Sec. 1, T.31N., R.8E., Whitley County, at bridge on County Road 400 West,1 mile south of Highway 30, and 4.1 miles west of intersection of U.S. Highways 30 and 109 in Columbia City.	.0	.1
03327875	Clear Creek above Spring Creek at South Whitley, Ind.	9.58	Lat 41°05′39″, Long 85°37′20″, in SE1/4 NW1/4 SW1/4 Sec 34, T.31N., R.8E., in Whitley County, upstream of bridge on State Road 205, approximately 0.5 mile north of South Whitley.	.0	.0
03327876	Spring Creek below Clear Creek at South Whitley, Ind.	44.0	Lat 41°05′39″, Long 85°37′20″, in SW1/4 of Sec 34, T.31N., R.8E., in Whitley County, on State Highway 205 at the northeast edge of South Whitley.	2.6	3.7
03327900	Sugar Creek at South Whitley, Ind.	30.7	Lat 41° 04′ 31″, Long 85°36′54″, on line between Secs 3 and 10 T.30N., R.8E., Whitley County, at bridge on Highway 14, 0.3 mile east of intersection of State Highways 5 and 105 on the southeast edge of South Whitley.	.5	1.1

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03328420	Paw Paw Creek near Roann, Ind.	31.2	Lat 40°53′40″, Long 85°53′19″, in SW1/4 NW1/4 NW1/4 Sec 8, T.28N., R.6E., Wabash County, at bridge on State Highway 15, 3.5 miles northwest of intersection of State Highways 115 and 15 near Roann.	.2	.6
03328470	Twelve Mile Creek near Hoover, Ind.	53.0	Lat 40°48′31″, Long 86°13′22″, in NE1/4 SE1/4, T.27., R.3E., Cass County, at bridge on County Road 300 North, 1.2 miles west of Hoover.	4.1	6.6
03329100	Crooked Creek near Royal Center, Ind.	35.9	Lat 40°48′23″, Long 86°29′31″, in NW1/4 Sec 11, T.27N., R.1W., Cass County, at triple culverts on 625 West Road, 4 miles south of Royal Center.	4.7	7.3
03329150	Crooked Creek near Logansport, Ind.	54.2	Lat 40°45′51″, Long 86°29′54″, in NW1/4 Sec 26, T.27N., R.1W., Cass County, at bridge on U.S. Highway 24, 2.5 miles west of County Road 600 West, 6.5 miles west of Logansport.	15	21
03329300	Rock Creek near Rockfield, Ind.	80.8	Lat 40°39′10″, Long 86°33′30″, in SE1/4 Sec 22, T.26N., R.1E., Carroll County, at bridge on State Highway 25, 1.25 miles northeast of Rockfield.	.6	2.1
03329510	Deer Creek near Lincoln, Ind.	56.5	Lat 40°36′11″, Long 86°12′10″, SW1/4 NW1/4 Sec 35;, T.25N., R.4E., Cass County, 1 mile south of Lincoln.	1.5	2.8
03329530	South Fork Deer Creek at Galveston, Ind.	31.6	Lat 40°34′54″, Long 86°11′23″, SE1/4 NW1/4 SE1/4 Sec 28, T.25N., R.3E., Cass County, at bridge on Highway 35, at north edge of Galveston.	.8	1.6
03329580	Little Deer Creek near Camden, Ind.	52.9	Lat 40°35′26″, Long 86°28′02″, in SW1/4 SW1/4 SW1/4 Sec 19, T.25N., R.1E., Carroll County, at North Road bridge, approximately 4 miles southeast of Camden.	1.0	2.3

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03329600	Bachelor Run near Flora, Ind.	13.5	Lat 40°32′50″, Long 86°29′30″, on line between Secs 2 and 11, T.24N., R.1W., Carroll County, at bridge on State Highway 18, 1.2 miles east of Flora.	.2	.5
0333075050	Long Ditch Tributary near Stony Ridge, Ind.	.07	Lat 41°19′30″, Long 85°46′25″, in SW1/4 SE1/4 Sec 12, T.33N., R.6E., Kosciusko County, at bridge on Stanton Road, 0.3 mile southeast of Stony Ridge.	.0	--
03331350	Big Yellow Creek near Mentone, Ind.	47.8	Lat 41°10′18″, Long 86°07′16″, in NE1/4 NW1/4 Sec 6. T.31N., R.4E., Fulton County, at bridge on State Highway 25, 0.1 mile south of junction of State Highway 110 about 4.5 miles west of Mentone.	1.8	3.4
03331375	Chippewanuck Creek near Rochester, Ind.	43.7	Lat 41°06′43″, Long 86°11′09″, NW1/4 NW1/4 NW1/4 Sec 27, T.31N., R.3E., Fulton County, at bridge on State Highway 25, 3.5 miles north of Rochester.	5.2	7.4
03331430	Mud Creek near Bruce Lake, Ind.	66.9	Lat 41°03′10″, Long 86°19′39″, on line between Secs 8 and 17, T.30N., R.2E., Fulton County, at bridge on State Highway 14, 4.5 miles east of Bruce Lake and 5.5 miles west of Rochester.	2.9	5.4
0333143840	Curtiss Ditch near Culver, Ind.	2.40	Lat 41°12′12″, Long 86°23′20″, in SE1/4 SE1/4 Sec 22, T.32N., R.1E., Marshall County, at bridge on State Highway 117, near east side of lake and adjacent to golf course.	.0	--
03331750	Quigley Marsh Ditch at Winamac, Ind.	14.8	Lat 41°03′20″, Long 86°36′12″, on line between Secs 11 and 12, T.30N., R.2W., Pulaski County, at north edge of Winamac at Indian Head Motel on U.S. Highway 35 bridge, 0.3 mile north of State Highway 14 East of Winamac.	6.2	7.7
03331780	Mill Creek near Fulton, Ind.	24.8	Lat 40°57′28″, Long 86°20′06″, in S1/2 NW1/4 SW1/4 Sec 17, T.29N., R.2E., at bridge on Fulton County Road, 1 mile north of State Road 114, and 5 mile west of Fulton and 0.75 mile north of Marshtown.	1.8	3.0

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03332250	Indian Creek near Thornhope, Ind.	56.6	Lat 40°55′12″, Long 86°31′42″, NE1/4 SE1/4 NE1/4 Sec 33. T.29N., R.1W., Pulaski County, at bridge on U.S. Highway 35, 1/3 mile south of Thornhope.	8.4	11
03332350	Big Monon Creek near Medaryville, Ind.	69.6	Lat 41°03′21″, Long 86°50′02″, in NW1/4 NW1/4 Sec 13, T.30N., R.4W., Pulaski County, at bridge on State Highway 14, 3 miles east of Junction of U.S. Highway 421, 3.5 miles southeast of Medaryville.	11	18
03332440	Hoagland Ditch near Monon, Ind.	72.8	Lat 40°48′52″, Long 86°48′51″, in NE1/4 NE1/4 SE1/4 Sec 1, on line with Sec 6, T.27N., R.4W., at bridge on White County Road, 3.75 miles south of State Road 16, 1 mile west of confluence at Lake Schaefer, and 7 miles southeast of Monon.	0.5	1.3
03332480	Honey Creek near Reynolds, Ind.	38.4	Lat 40°46′53″, Long 86°48′52″, on line between Secs 19 and 24, T.27N., and on line between R.3W., and 4W., White County, at bridge on County Road 300 East, about 5 miles northwest of Monticello.	.3	.9
03332550	Pike Creek near Norway Ind.	20.6	Lat 40°46′51″, Long 86°44′42″, in NE1/4 NE1/4 NW1/4 Sec 22, T.27N., R.3W., White County, at bridge on State Highway 39, 2.0 miles north of U.S. Highway 24.	3.5	6.4
03332800	Big Creek near Monticello, Ind. (previously published as “near Chalmers”)	55.3	Lat 40°40′16″, Long 86°47′14″, in NW1/4 SW1/4 Sec 9, T.26N., R.3W., White County, at bridge on county road 4.8 miles east of State Highway 43 in Chalmers.	1.3	3.4
03333100	Moots Creek near Brookston, Ind.	42.7	Lat 40°34′18″, Long 86°48′42″, on line between Sec 36, T.25N., R.4W., and Sec 31, T.25N., R.3W., White County, at bridge on County Road 300 East, 3.5 miles southwest of Brookston.	.6	1.4
0333338050	Turkey Creek near Windfall, Ind.	39.7	Lat 40°22′35″, Long 85°57′23″, on line between Sec 9 and 10, T.22N., R.5E., Tipton County, at bridge on State Highway 213, 1 mile north of Windfall.	.0	--

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03333400	Mud Creek near Windfall, Ind.	74.8	Lat 40°24′23″, Long 85°56′48″, in NW1/4 NE1/4 Sec 34, T.23N., R.5E., Tipton County, at bridge on 500 South Road along Tipton-Howard County line 0.5 mile east of State Highway 213 and 3.3 miles north of Windfall.	.3	1.0
03333800	Little Wildcat Creek near Middleton, Ind.	26.0	Lat 40°26′47″, Long 86°13′17″, in NW1/4 NW1/4 NW1/4 Sec 17, T.23N., R.3E., Howard County, at bridge on County Road 500 West, about 0.5 mile north of Howard County South Road, 0.5 mile northwest of West Middleton.	No correlation	
03334200	Prairie Creek Tributary near Franfort, Ind.	2.61	Lat 40°15′14″, Long 86°30′36″, in NW1/4 SE1/4 NE1/4 Sec 22, T.21N., R.1W., Clinton County, at culvert on State Highways 38 and 39, 1.8 miles south of State Highway 28, in Frankfort.	0.0	--
03334300	Kilmore Creek at Kilmore, Ind.	62.6	Lat 40°20′40″, Long 86°30′25″, in SW1/4 Sec 14, T.22N., R.1W., Clinton County, at county highway bridge 0.2 mile south of Kilmore.	.0	.2
03334330	Kilmore Creek near Frankfort, Ind.	77.4	Lat 40°19′41″, Long 86°37′05″, in the NE1/4 Sec 27, T.22N., R.2W., Clinton County, on Gasline Road 6.3 miles northwest of Frankfort.	.4	.9
03334700	Middle Fork Wildcat Creek near Rossville, Ind.	54.0	Lat 40°25′47″, Long 86°36′15″, NE1/4 NE1/4 Sec 23, T.23N., R.2W., Clinton County, at bridge on U.S. Highway 421, 1.0 mile northwest of junction of U.S. Highway 421 and State Highway 26, in Rossville.	1.8	3.5
03334750	Campbells Run near Rossville, Ind.	18.3	Lat 40°24′46″, Long 86°35′41″, in SE1/4 NW1/4 Sec 25, T.23N., R.2W., Clinton County, at bridge on U.S. Highway 421, 0.3 mile south of junction U.S. Highway 326 in Rossville.	.2	.5
03335670	Wea Creek near Lafayette, Ind.	105	Lat 40°21′46″, Long 86°54′17″, in SE1/4 Sec 7, T.23N., R.4W., Tippecanoe County, at bridge on State Highway 43, 4.0 miles south of Lafayette.	7.4	12

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03335672	Elliott Ditch near Lafayette, Ind.	8.45	Lat 40°22′54″, Long 86°51′26″, in Sec 3, T.22N., R.4W., Tippecanoe County near junction of Road 2A south and 1A east, 1.5 miles southeast of Lafayette.	.0	--
03335674	Little Wea Creek near Lafayette, Ind.	22.6	Lat 40°19′36″, Long86°54′17″, in the NE1/4 of Sec 30, T.22N., R.4W., Tippecanoe County, on Tippecanoe County Road 6C, 6.5 miles south of Lafayette.	1.7	2.7
03335681	Flint Creek near Westpoint, Ind.	29.9	Lat 40°20′25″, Long 87°04′02″, in SE1/4 NW1/4 Sec 23, T.22N., R.6W., Tippecanoe County, at bridge on County Road 510 South, 1.2 mile west of State Highway 25 in Westpoint.	.1	.3
03335682	Indian Creek near Green Hill, Ind.	29.0	Lat 40°25′03″, Long 87°02′31″, in SE1/4 SW1/4 SE1/4 Sec 24, T.23N., R.6W., Tippecanoe County, at bridge on South River Road, 6.5 miles west of West Lafayette, 0.2 miles west of County Road 700 West.	.1	.2
03335683	Kickapoo Creek near Attica, Ind.	36.4	Lat 40°19′27″, Long 87°14′05″, in SE1/4 NW1/4 Sec 29, T.22N., R.7W., Warren County, at bridge on Kickapoo Road, 0.5 mile north of Independence Road.	1.6	2.9
03335800	Big Shawnee Creek near Attica, Ind.	42.0	Lat 40°14′30″, Long 87°14′12″, in SW1/4 NE1/4 NW1/4 Sec 29, T.21N., R.7W., Fountain County, at concrete bridge on County Road 3.7 miles southeast of Attica and State Highway 55 at Rob Roy.	6.1	9.7
03335950	Bear Creek at Fountain, Ind.	10.4	Lat 40°13′11″, Long 87°20′23″, in SE1/4 or Sec 32, T.21N., R.8W., Fountain County, on county road at the southwest edge of Fountain.	1.3	1.6
03339100	Coal Creek near Veedersburg, Ind.	77.6	Lat 40°08′33″, Long 87°15′00″, on line between Secs 30 and 31, T.20N., R.7W., Fountain County, at bridge on County Road, 0.25 mile west of U.S. Highway 41, 2.2 miles northeast of Veedersburg.	3.8	7.2

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03339110	East Fork Coal Creek near Veedersburg, Ind.	60.1	Lat 40°05′48″, Long 87°14′34″, in NW1/4 NW1/4 NW1/4 Sec 17, T.19N., R.7W., Fountain County at concrete bridge on relocated U.S. Highway 41, 1.5 miles southeast of Veedersburg, 0.5 mile south of intersection of U.S. Highways 41 and 136.	5.5	9.3
03339150	Little Vermillion River near Newport, Ind.	237	Lat 39°53′32″, Long 87°25′42″, NW1/4 Sec 27, T.17N., R.9W., Vermillion County, on State Highway 63, 1.3 miles northwest of Newport.	No correlation	
03339200	Sugar Creek near Kirklin, Ind.	41.4	Lat 40°12′29″, Long 86°22′03″, SE1/4 NW1/4 Sec 1, T.20N., R.1E., Clinton County, at bridge on U.S. Highway 421, 1 mile north of Kirklin.	0.1	0.8
03339215	Mud Creek near Mechanicsburg, Ind.	26.1	Lat 40°10′38″, Long 86°24′50″, in SE1/4 NE1/4 Sec 16, T.20N., R.1E., on the Clinton-Boone County line road, 3.8 miles northeast of Mechanicsburg.	.0	--
03339230	Woods Ditch near Frankfort, Ind.	1.12	Lat 40°13′13″, Long 86°27′34″, in NE1/4 NE1/4 SW1/4 Sec 31, T.21N., R.1E., Clinton County, at culvert on State Highway 38, 2.2 miles southeast of State Highway 39.	.0	--
03339250	Waddle Ditch near Pike, Ind.	1.09	Lat 40°06′24″, Long 86°28′48″, in NE1/4 SE1/4 NW1/4 Sec 12, T.19N., R.1W., Boone County, at culvert on State Highway 39, 4.1 miles north of U.S. Highway 52 in Lebanon.	.0	--
03339300	Prairie Creek at Thorntown, Ind.	46.9	Lat 40°07′46″, Long 86°36′01″, SE1/4 SE1/4 Sec 35, T.20N., R.2W., Boone County, at bridge on State Highway 47, 0.5 mile east of junction of State Highways 47 and 375 at east edge of Thorntown.	1.5	3.6

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03339408	Little Potato Creek near Darlington, Ind.	31.8	Lat 40°09′48″, Long 86°45′08″, on line between Secs 21 and 22, T.20N., R.3W., Montgomery County, on County Road 800 E, 150 ft north of intersection with County Road 850 N, 5 miles northeast of Darlington.	.0	.1
03339460	Walnut Fork Sugar Creek near Crawfordsville, Ind.	44.8	Lat 40°02′49″, Long 86°51′33″, in SE1/4 NW1/4 Sec 34, T.19N., R.4W., Montgomery County, at bridge on State Highway 32, 2.5 miles east of Crawfordsville.	.2	.9
03340200	Sugar Mill Creek near Wallace, Ind.	39.5	Lat 39°58′03″, Long 87°10′28″, in SW1/4 SW1/4 SE1/4 Sec 26, T.18N., R.7W., Fountain County at bridge on State Road 234, 1.4 miles west of State Road 341.	0.5	1.4
03340651	Big Raccoon Creek near Ladoga, Ind.	46.4	Lat 39°54′32″, Long 86°47′58″, in SE1/4 SE1/4 SW1/4 Sec 18, T.17N., R.3W., Montgomery County, at bridge on county road, 0.25 mile south of Ladoga, and 200 ft downstream from Monon RR.	.0	.4
03341420	Brouillettes Creek near Universal, Ind.	331	Lat 39°37′09″, Long 87°26′08″, in SW1/4 NE1/4 Sec 32, T.14N., R.9W., Vermillion County, on downstream side of bridge on State Highway 63, 0.7 mile east of Universal.	.8	4.2
03341450	Otter Creek near Burnett, Ind.	69.0	Lat 39°32′17″, Long 87°17′44″, on line between Secs 27 and 28, T.13 N., R.8W., Vigo County at County Highway bridge, 0.3 mile south of Burnett.	No correlation	
03341580	Honey Creek near Terre Haute, Ind.	64.0	Lat 39°23′40″, Long 87°23′54″, SW1/4 Sec 15, T.11N., R.9W., Vigo County, at bridge on U.S. Highway 41, at north edge of Allendale and about 3 miles south of the south city limits of Terre Haute.	.5	2.3
03341800 (391650087295300)	Prairie Creek near Prairie Creek, Ind.	22.4	Lat 39°16′50″, Long 87°29′53″, NW1/4 SW1/4 Sec 26, T.10N., R.10W., Vigo County, at bridge on State Highway 63, 0.3 mile north of Prairie Creek.	.0	.0

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03341920	Turman Creek near Farmersburg, Ind.	13.0	Lat 39°14′40″, Long 87°24′28″, at corner of Secs 3, 4, 9, and 10, T.9N., R.9W., Sullivan County, at bridge on County Road 1100 North, 1.5 miles southeast of Farmersburg.	.0	.0
033421675	Sulphur Creek near Hymera, Ind.	9.49	Lat 39°10′08″, Long 87°18′22″, in NE1/4 Sec 4, T.8N., R.8W., Sullivan County, at bridge on County Road 550 East, 1.2 mile south of Hymera.	.0	--
03342180	Kettle Creek Tributary near Shelburn, Ind.	0.48	Lat 39°10′36″, Long 87°22′27″, in SW1/4 SE1/4 SE1/4 Sec 26, T.9N., R.9W., Sullivan County, at Culvert on State Highway 48, 1.0 mile east of U.S. Highways 41 and 150.	0.0	--
03342700	Maria Creek near Emison, Ind.	88.0	Lat 38°46′05″, Long 87°28′21″, N1/2 Sec 24, T.4N., R.10W., Knox County, at bridge on U.S. Highway 41, 2.0 miles south of Emison.	.4	3.6
03346700	White River near Harrisville, Ind.	21.3	Lat 40°10′32″, Long 84°53′23″, NE1/4 NE1/4 Sec 19, T.20N., R.15E., Randolph County, at bridge on State Highway 32, 0.8 mile southwest of Harrisburg.	.2	.6
033468342	Poplar Run near Huntsville, Ind.	3.33	Lat 40°07′01″, Long 85°08′47″, on line between Secs 11 and 12, to T.19N., R.12E., Randolph County, at 900 West Road, 0.7 mile north of Pinch.	.0	--
03346835	Stoney Creek at Windsor, Ind.	51.7	Lat 40°09′16″, Long 85°12′28″, in NW1/4 SE1/4 Sec 29, T.20N., R.12E., Randolph County, at bridge on Windsor Pike just east of Windsor.	.9	3.5
033469805	Muncie Creek near Desoto, Ind.	3.82	Lat 40°13′48″, Long 85°19′26″, in NW1/4 Sec 31, T.21N., R.11E., Delaware County, at bridge on 330 East Road and 1.9 miles southwest of Desoto.	.0	--
03347580	Williams Creek near Cross Roads, Ind.	11.7	Lat 40°06′12″, Long 85°28′50″, on line NW1/4 Sec 14, and NE1/4 Sec 15, T.19N., R.9E., Delaware County, at county road bridge, 1.3 mile northeast of cross roads.	.2	.8

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03347595	Bell Creek near Yorktown, Ind.	44.7	Lat 40°08′43″, Long 85°27′03″, in SW1/4 NE1/4 Sec 36, T.20N., R.9., Delaware County at bridge on Bell Creek Road, 0.2 mile west of County Road 325 West.	1.1	2.7
0334802950	Thurston Ditch near Bethel, Ind.	1.63	Lat 40°15′34″, Long 85°31′12″, in NE1/4 Sec 20, T.21N., R.9E., Delaware County, at mouth, and 1.0 mile northeast of Bethel.	.0	--
03348060	Pleasant Run Creek near Gilman, Ind.	4.91	Lat 40°13′08″, Long 85°33′17″, on line between NW1/4 Sec 6, T.20N., R.9E., and SW1/4 Sec 31, T.21N., R.9E., Delaware County, at bridge on County Road 200 North, 0.6 mile upstream from mouth, 1.6 miles southeast of Gilman.	0.0	--
03348100	Killbuck Creek near Anderson, Ind.	97.8	Lat 40°08′18″, Long 85°39′44″, in SW1/4 Sec 31, T.20N., R.8E., Madison County, at bridge on State Road 109, 2.3 miles northeast of Anderson.	8.0	16
0334825050	Yeager Finley Manard Ditch near Gaston, Ind.	7.43	Lat 40°18′50″, Long 85°32′49″, in SW1/4 NE1/4 Sec 31, T.22N., R.9E., Delaware County at bridge on County Road 850 North, 1.0 mile upstream from mouth, and 2.4 miles wast of Gaston.	.0	--
0334826050	Steel Ditch near Gaston, Ind.	1.06	Lat 40°18′50″, Long 85°31′11″:, and on line between Secs 32 and 33, T.22N., R.9E., Delaware County, at bridge on County Road 850 North, 1.5 miles upstream from mouth and 1.0 mile west of Gaston.	.0	--
03348300	Pipe Creek near Alexandria, Ind.	44.8	Lat 40°16′40″, Long 85°38′34″, on line between Secs 7 and 8, T.21N., R.8E., Madison County, at bridge on State Highway 28, 2 miles northeast of Alexandria.	1.7	3.2
03348400	Duck Creek at Strawtown, Ind.	98.9	Lat 40°08′17″, Long 85°56′22″, on line between Secs 34 and 35, T.20N., R.5E., Hamilton County, at bridge on State Highway 213, 600 feet upstream from White River, 0.6 mile south of East 246th Street.	1.0	3.2

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03349200	Cicero Creek near Tipton, Ind.	80.2	Lat 40°16′16″, Long 86°03′02″, SE1/4 NE1/4 Sec 15, T.21N., R.4E., Tipton County, 45 feet west of bridge on County Road 200 West, 0.5 mile west of State Highway 19, and County Home.	.4	1.3
0334947550	Weasal Creek near Arcadia, Ind.	7.59	Lat 40°10′52″, Long 85°59′45″, in Sec 18, T.20N., R.5E., Hamilton County, at mouth 0.25 mile north of State Highway 213, and 1.25 miles east of Arcadia.	.0	--
03351300	Crooked Creek at Augusta, Ind.	7.01	Lat 39°53′43″, Long 86°12′53″, in NE1/4 NW1/4 Sec 29 T.17N., T.3E., Marion County, at bridge on U.S. Highway 421, 0.4 mile north of Augusta.	0.0	0.0
03351490	Lick Creek near Fortville, Ind.	36.6	Lat 39°57′22″, Long 85°50′36″, on line between Secs 3 and 4, T.17N., R.6E., Madison County, at bridge on State Highway 13, 1.5 miles north of U.S. Highway 36 in Fortville.	2.8	5.6
03351900	Indian Creek near Oaklandon, Ind.	18.3	Lat 39°51′51″, Long 85°58′07″, in SW1/4 NW1/4 Sec 3, T.16N., R.5E., Marion County, at bridge on Old Highway 67, 1 mile southeast of Oaklandon.	.0	.0
03353631	Little Buck Creek near Southport, Ind.	8.28	Lat 39°39′55″, long 86°06′06″, on line between Secs 8 and 17, T.14N., R.4E., Marion County, at bridge on Southport Road, 0.5 mile east of Southport.	.0	.0
03353650	Pleasant Run at Greenwood, Ind.	4.93	Lat 39°37′53″, Long 86°06′58″, in NW1/4 Sec 29, T.14N., R.4E., Johnson County, at bridge on State Highway 431, 0.5 mile north of Greenwood.	.0	.0
03353665	Stotts Creek near Martinsville, Ind.	60.1	Lat 39°30′02″, Long 86°19′57″, NW1/4 NE1/4 Sec 8, T.12N., R.8E., Morgan County, at 220 foot concrete bridge on State Highway 27, 7.2 miles northeast of Martinsville and 250 feet from confluence with White River.	.2	.7

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03353670	White Lick Creek near Brownsburg, Ind.	28.7	Lat 39°51′56″, Long 86°23′42″ on line between Secs 2 and 34, T.16N., R.1E., Hendricks County, at bridge on county highway, 0.5 mile north of Brownsburg.	.0	.0
03353900	East Fork White Lick Creek near Mooresville, Ind.	37.4	Lat 39°38′47″, Long 86°20′47″, in SE1/4 Sec 18, T.134N., R.2E., Hendricks County, at bridge on Mooresville Road, 0.8 mile west of Friendswood, 3.0 miles northeast of Mooresville.	.9	2.5
03354100	Sycamore Creek near Centerton, Ind.	17.1	Lat 39°30′49″, Long 86°25′55″, on line between Sec 33, T.13N., R.1E., and Sec 4, T.12N., R.1E., Morgan County at county highway bridge 2.0 miles west of Centerton.	0.0	0.5
03354140	Lambs Creek near Martinsville, Ind.	31.0	Lat 39°25′26″, Long 86°28′01″, in NE1/4 NW1/4 Sec 1, T.11N., R.1W., Morgan County, on county road parallel to and upstream from State Highway 67, 2.5 miles west of Martinsville and 0.5 mile northeast of intersection with Mosier Road.	.0	.0
03354200	Indian Creek near Morgantown, Ind.	19.4	Lat 39°22′05″, Long 86°13′50″, in NW1/4 Sec 29, T.11N., R.3E., Johnson County, at bridge on Highway 100 upstream from Barnes Creek, 1.6 miles east of Morgantown.	.0	.0
03357010	White River Tributary near Spencer, Ind.	.32	Lat 39°16′09″, Long 86°46′45″, in SE1/4 SE1/4 SE1/4 Sec 30, T.9N., R.4W., Owen County, at culvert on State Highway 67 and U.S. Highway 231, 1.3 miles southwest of State Highway 46 in Spencer.	.0	--
0335708050	Rattlesanke Creek near Spencer, Ind.	18.7	Lat 39°17′54″, Long 86°48′45″, in SW1/4 SW1/4 Sec 13, T.10N., R.4W., Owen County, 500 feet upstream from bridge on State Highway 46, 2.5 miles northwest of Spencer.	.0	--

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03357100	Rattlesnake Creek near Spencer, Ind.	25.2	Lat 39°15′36″, Long 86°48′20″, in S1/2 Sec 36, T.10N., R.4E., Owens County, at county highway bridge, 400 feet upstream from State Highway 67 and U.S. Highway 231 Bridge, and 2.5 miles southeast of Spencer.	No correlation	
0335715050	Raccoon Creek near Pottersville, Ind.	31.3	Lat 39°10′58″, Long 86°49′44″, in Sec 26, T.9N., R.4W., Owen County, at New Hope, 2 miles upstream from mouth and 2 miles southwest of Pottersville.	.0	--
03357180	Fish Creek near Freedom, Ind.	49.4	Lat 39°17′18″, Long 86°53′30″, in SW1/4 SE1/4 Sec 18, T.9N., R.4W., Owen County, at bridge on county road 2 miles west of Freedom, Ind.	.0	.0
03357267	West Fork Big Walnut Creek near Jamestown, Ind.	11.2	Lat 39°56′27″, Long 86°34′54″, in SE1/4 SE1/4 Sec 1, T.17N., R.2W., Boone County, 0.4 mile upstream from Main Edlin Ditch on 600 West Road south of Old Union Road, 2.5 miles northeast of Jamestown.	0.0	--
033572692	Main Edlin Ditch near Lebanon, Ind.	21.5	Lat 39°59′09″, Long 86°28′49″, in NE1/4 SW1/4 Sec 24, T.18N., R.1W., Boone County, on West 138th Street off State Highway 39, 4.0 miles south of Lebanon.	.0	--
03357273	Ross Ditch near Raintown, Ind.	1.70	Lat 39°54′52″, Long 86°30′55″, in NW1/4 SE1/4 Sec 15, T.17N., R.1W., Hendricks County, at bridge on 250 West Road, 2.6 mile north of Raintown.	.0	--
03357274	East Fork Big Walnut Creek near Montclair, Ind.	1.89	Lat 39°52′04″, Long 86°33′45″, in SE1/4 SE1/4 Sec 31, T.17N., R.1W., Hendricks County, 1.4 miles north of Montclair.	.0	--
033572905	Grassy Branch near New Brunswick, Ind.	3.11	Lat 39°57′07″, Long 86°30′57″, in SW1/4 SE1/4 Sec 34, T.18N., R.1W., Boone County, at 600 South Road bridge, 1.0 mile northeast of New Brunswick.	.0	--

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
0335729550	Ramp Run near North Salem, Ind.	23.5	Lat 39°49′53″, Long 86°39′53″, in NE1/4 NW1/4 Sec 17, T.16N., R.2W., Hendricks County, 2.3 miles southwest of North Salem	.0	--
03357300	Big Walnut Creek near Barnard, Ind.	119	Lat 39°49′51″, Long 86°41′15″, in NW1/4 Sec 18, T.16N., R.2W., Hendricks County, at bridge on Putnam-Hendricks County Line, 1.25 miles southwest of Barnard.	1.8	6.1
0335735850	Plum Creek near Bainbridge, Ind.	10.1	Lat 39°43′56″, Long 86°46′03″, in SW1/4 Sec 17, T.15N., R.3W., Putnam County, 0.4 mile upstream from mouth, and 3.1 miles southeast of Putnam County.	.0	--
03357364	Bledsoe Branch near Bainbridge, Ind.	1.80	Lat 39°44′17″, Long 86°49′02″, in NW1/4 Sec 14, T.15N., R.4W., Putnam County, 1.8 miles southeast of Bainbridge.	.0	--
03357385	Miller Creek near Fillmore, Ind.	11.0	Lat 39°42′52″, Long 86°45′04″, in NW1/4 NE1/4 Sec 33, T.15N., R.3W., Putnam County, on county road 2 miles north of Fillmore, 0.1 mile east of Fillmore Road and 0.5 mile upstream from confluence with Clear Creek	0.1	0.3
03357396	Clear Creek near Fillmore, Ind.	30.4	Lat 39°41′45″, Long 86°47′05″, in NE1/4 SE1/4 Sec 31, T.15N., R.3W., Putnam County, 0.3 mile upstream from mouth and 2.3 miles northwest of Fillmore.	.0	--
03357400	Big Walnut Creek near Greencastle, Ind.	199	Lat 39°40′43″, Long 86°48′39″, in SW1/4 Sec 1, T.14N., R.4W., at Pinhook Bridge, 0.5 mile upstream from Monon railroad bridge, and 2.5 miles northeast of Greencastle.	1.1	6.0
03357414	Dry Branch near Greencastle, Ind.	5.77	Lat 39°41′00″, Long 86°48′59″, in SE1/4 NE1/4 Sec 2, T.14N., R.4W., Putnam County, northeast from 100 East Road to bridge near railroad, 3.6 miles northeast of Greencastle.	.0	--
0335741750	Snyder Branch near Greencastle, Ind.	2.74	Lat 39°40′15″, Long 86°51′44″, in SE1/4 NW1/4 Sec 9, T.14N., R.4W., Putnam County, 500 feet upstream from mouth, 1.9 miles north of Greencastle.	.0	--

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
0335746550	Snake Creek near Reelsville, Ind.	6.56	Lat 39°36′34″, Long 86°57′12″, in NE1/4 SE1/4 Sec 34, T.14N., R.5W., Putnam County, 3.7 miles north of Reelsville.	.0	--
033574805	Maiden Run near Reelsville, Ind.	3.15	Lat 39°34′01″, Long 86°57′52″, in NW1/4 SE1/4 Sec 16, T.13N., R.5W., Putnam County, on 625 West Road, 0.7 mile north of Reelsville.	.0	--
03357700	Mud Creek near Little Point, Ind.	34.8	Lat 39°34′34″, Long 86°37′54″, on line between Secs 9 and 10, T.13N., R.2W., 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.	.8	2.3
0335845050	Bull Path near Cloverdale, Ind.	1.42	Lat 39°30′55″, Long 86°49′58″, in NE1/4 NE1/4 Sec 3, T.12N., R.4W., Putnam County, at bridge on State Highway 343, 2.1 miles west of Cloverdale.	0.0	--
03359980	Jordan Creek near Jordan, Ind.	25.9	Lat 39°24′09″, Long 86°55′33″, in NW1/4 SE1/4 Sec 11., T.11N., R.4W., Owen County, at bridge on county road 0.9 miles east of Owen-Clay County line, and 0.5 miles northwest of Jordan.	.5	1.9
03360050	Birch Creek near Ashboro, Ind.	40.0	Lat 39°24′14″, Long 87°06′41″, in NE1/4 SE1/4 SE1/4 Sec 7, T.11N., R.6W., Clay County, at bridge on State Highway 59, 0.5 mile northwest of Ashboro.	.5	1.6
03360076	Birch Creek near Old Hill, Ind.	71.3	Lat 39°19′36″, Long 87°10′47″, in SE1/4 NE1/4 NW1/4 Sec 10, T.10N., R.7W., Clay County, at county road bridge and 0.7 miles from the mouth.	.8	2.5
03360115	Lick Creek near Coal City, Ind.	47.0	Lat 39°10′48″, Long 86°59′47″, in SW1/4 SW1/4 Sec 29, T.9N., R.5W., Owen County, on Owen County Road, 1.5 miles upstream from confluence with Beech Creek and 4.1 miles southeast of Coal City.	.0	.2

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03360120	Connelly Ditch near Jasonville, Ind.	31.0	Lat 39°12′45″, Long 87°07′40″:, in NE1/4 NE1/4 NE1/4, Sec 24, T.9N., R.7W., Clay County, on Clay County Road 1.75 miles above mouth and 7.5 miles northeast of Jasonville.	.2	1.0
03360200	Lattas Creek near Switz City, Ind.	32.7	Lat 39°02′40″, Long 87°02′38″, in SW1/4 Sec 14, T.7N., R.6W., Greene County, at bridge on State Highway 67, 0.9 mile northeast of Switz City.	.0	.0
03360225	Plummer Creek near Bloomfield, Ind.	66.7	Lat 38°59′33″, Long 86°55′44″, in NW1/4 NE1/4 Sec 2, T.6N., R.5W., Greene County, at U.S. Highway 231 bridge 2.3 miles south of Bloomfield.	.0	.7
03360300	Richland Creek near Bloomfield, Ind.	95.4	Lat 39°01′38″, Long 86°54′25″, in NE1/4 SE1/4 Sec 24, T.7N., R.5W., Greene County, at bridge on State Highway 54, 1.5 miles east of Bloomfield.	No correlation	
0336052550	First Creek at Newberry, Ind.	50.2	Lat 38°54′52″, Long 87°01′44″, in NW1/4 Sec 36, T.6N., R.6W., Greene County, at State Highway 57, 2 miles above mouth, 0.9 mile southeast of Newberry.	0.0	--
03360600	Smothers Creek near Plainville, Ind.	33.1	Lat 38°48′43″, Long 87°07′48″m SE1/4 SE1/4 NE1/4 Sec 1, T.4N., R.7W., Daviess County, at county road bridge 1.3 mile northeast of State Road 57 in Plainville.	No correlation	
03360700	Black Creek near Sandborn, Ind.	109	Lat 38°52′38″, Long 87°11′12″, at intersection of Secs 10, 15, and 16, T.5N., R.7W., Knox County, at bridge on State Highway 58, 1.0 mile south of Sandborn.	No correlation	
03360800	Prairie Creek near Washington, Ind.	120	Lat 38°43′01″, Long 87°10′00″, in SW1/4 SW1/4 Sec 2, T.3N., R.7W., Daviess County, at bridge on State Highway 57, 4.0 miles north of Washington.	.0	.3
03360860	Veale Creek near Washington, Ind.	29.2	Lat 38°36′15″, Long 87°11′39″, in NE1/4 NE1/4 SW1/4 Sec 16, T.2N., R.7W., Daviess County, at bridge on State Highway 57, 3.7 miles southwest of Washington.	.4	.6

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03360890	Pond Ditch (Kessinger Ditch) near Wheatland, Ind.	42.7	Lat 38°38′07″, Long 87°19′46″, Knox County, at bridge on State Highway 241, 2.0 miles southwest of Wheatland in Survey 61 Vincennes Tract.	.0	--
03360920	Big Blue River near New Castle, Ind.	15.8	Lat 40°00′15″, Long 85°20′48″, on line between Secs 23 and 24, T.18N., R.10E., Henry County, 100 feet downstream from U.S. Highway 36 bridge, 5.5 miles north of New Castle.	2.3	4.0
03360965 (395246085280 400)	Duck Creek at Greensboro, Ind.	24.9	Lat 39°52′46″, Long 85°28′03″, in SW1/4 NE1/4 Sec 35, T.17N., R.9E., Henry County, at bridge on County Road 350 South at west side of Greensboro.	2.0	3.9
03361400	Little Blue River near Rays Crossing, Ind.	97.0	Lat 39°33′16″, Long 85°43′08″, on line between Secs 23 and 26, T.13N., R.7E., Shelby County, at bridge on County Highway, 2.8 miles west of Rays Crossing.	0.4	2.4
03361600	Brandywine Creek near Maxwell, Ind.	24.3	Lat 39°51′30″, Long 85°44′17″, on line between Secs 3 and 10, T.16N., R.7E., Hancock County, at county highway bridge 1.6 miles east of Maxwell.	.0	.2
03361700	Sugar Creek near Pleasant View, Ind.	130	Lat 39°38′49″, Long 85°55′09″, in E1/2 Sec 24, T.14N., R.5E., Shelby County, tributary to Driftwood River south of I-74 bridge, 1.75 miles southeast of Pleasant View.	4.8	11
03361800	Buck Creek near New Bethel, Ind.	51.0	Lat 39°43′34″, Long 85°58′21″, on line between Secs 21 and 28, T.15N., R.5E., Marion County, at bridge on East Troy Avenue 2.4 miles northeast of New Bethel.	.1	.6
03361900	Hurricane Creek near Franklin, Ind.	14.0	Lat 39°29′53″, Long 86°01′34″, on line between Secs 7 and 12, T.12N., R.5E., Johnson County, 400 East Road at bridge 1.0 mile northeast of Franklin.	.0	.0
03363200	Flatrock River near Lewisville, Ind.	47.8	Lat 39°48′24″, Long 85°21′29″, NW1/4 SE1/4 Sec 25, T.16N., R.10E., Henry County, at bridge on U.S. Highway 40 at Lewisville.	2.4	4.8

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
03363340	Wikoff Ditch near Rushville, Ind.	10.6	Lat 39°42′06″, Long 85°21′25″, in SE1/4 SW1/4 SE1/4 Sec.36., T.15N., R.10E., Rush County, on a county road 2.9 miles south of Raleigh, about 1100 ft northwest of Shawnee Creek.	.0	--
03363349	Shawnee Creek near Rushville, Ind.	23.8	Lat 39°41′55″, Long 85°21′20″, in NE1/4 Sec 1, T.14N., R.10E., Rush County, on a county road, 3.2 miles south of Raleigh, about 750 ft north of Kirkpatrick Ditch and 1100 ft southeast of Wikoff Ditch.	.0	--
03363350	Kirkpatrick Ditch near Rushville, Ind.	5.30	Lat 39°41′48″, Long 85°21′19″, in NE1/4 Sec 1, T.14N., R.10E., Rush County, on a county road, 3.3 miles south of Raleigh, about 750 ft south of Shawnee Creek.	.0	--
03363400	Flatrock River near Rushville, Ind.	167	Lat 39°36′15″, Long 85°26′39″, NW1/4 SW1/4 Sec 5, T.13N., R.10E., Rush County, at bridge on U.S. Highway 52, 0.3 mile south of court house in Rushville.	2.5	8.7
03363450	Little Flatrock River at Milroy, Ind.	34.8	Lat 39°29′49″, Long 85°28′24″, in NW1/4 NE1/4 NW1/4 Sec 13, T.21N., R.9E., Rush County, at bridge on State Highway 244, 800 feet east of State Highway 3 at the west edge of Milroy.	.0	.6
033635125	Conns Creek near Blue Ridge, Ind.	56.6	Lat 39°29′45″, Long 85°38′45″, on line between Sec 9 and 16, T.12N., R.8E., Shelby County, at bridge on State Highway 244, 1.5 miles southwest of Blue Ridge.	.0	--
033643955	North Branch Clifty Creek near Sandusky, Ind.	20.3	Lat 39°25′55″, Long 85°28′10″, in Sec 1, T.11N., R.9E., Decatur County, at county highway bridge, and 1.0 mile northeast of Sandusky.	.0	--
033645905	Middle Fork, Fall Fork Clifty Creek at Hartsville, Ind.	9.47	Lat 39°16′17″, Long 85°40′27″, in NE1/4 Sec 31, T.10N., R.8E., Decatur County, at bridge on State Highway 46 and 1.2 miles east of Hartsville.	.0	--

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
033646355	Otter Creek near Newbern, Ind.	180	Lat 39°13′01″, Long 85°46′19″, in N1/2 Sec 20, T.9N., R.7E., Bartholomew County, at bridge on State Highway 9, and 1.6 miles southwest of Newbern.	.0	--
033646855	Fishers Fork near Petersville, Ind.	2.69	Lat 39°11′18″, Long 85°47′03″, on line between Secs 30 and 31, T.9N., R.7E., Bartholomew County, at East-West County Highway bridge and 3.1 miles southeast of Petersburg.	.0	--
03364711	Little Sand Creek near Elizabethtown, Ind.	43.1	Lat 39°07′44”, Long 85°51′21”, In NE1/4 NE1/4 Sec.21, T.8N., R.6E., Bartholomew County, at bridge on county road, 1.1 miles west of U.S. Highway 31, and 2.5 miles west of Elizabethtown.	.0	.2
03364800	Sand Creek near Greensburg, Ind.	91.6	Lat 39°20′55″, Long 85°26′51″, NE1/4 Sec 6, T.10N., R.10E., Decatur County, at county highway bridge 2.5 miles northeast of Greensburg.	.0	.0
03365600	White Creek near Cortland, Ind.	96.2	Lat 38°58′46″, Long 86°00′58″, on line between Secs 6 and 7, T.6N., R.5E., Jackson County, at bridge on State Highway 258, 3 miles west of Cortland.	0.0	--
03366300	Big Creek near Volga, Ind.	96.9	Lat 38°46′47″, Long 85°32′57″, NE1/4 NW1/4 Sec 20, T.4N., R.9E., Jefferson County, at county highway bridge, 1.7 miles west of Volga.	.0	.4
03367000	Muscatatuck River near Austin, Ind.	359	Lat 38°46′13″, Long 85°49′21″, Sec 23, T.4N., R.6E., Scott County, on right bank 15 feet downstream from bridge on U.S. Highway 31, 2 miles northwest of Austin.	.0	--
0336720050 (384136085423 700)	Stucker Fork Tributary near Lexington, Ind.	13.6	Lat 38°41′36″, Long 85°42′36″, on line between Secs 14 and 23, T.3N., R.7E., Scott County, at bridge on State Highway 203 (350 East Road), 0.5 mile north of State Highway 56, 6 miles northwest of Lexington.	.0	--

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
033673005	Stucker Fork at Scottsburg, Ind.	76.2	Lat 38°41′41″, Long 85°45′24″, on line between Secs 16 and 17, T.3N., R.7E., Scott County, at county highway bridge, 0.6 mile north of State Highway 56, 1 mile east of Scottsburg.	.0	.4
0336734650	Pigeon Roost Creek near Underwood, Ind.	10.1	Lat 38°37′26″, Long 85°46′31″, on line between Secs 7 and 8, T.2N., R.7E., Scott County, at bridge on U.S. Highway 31, 1.5 miles north of Underwood.	.0	--
0336940050	Otter Creek near Vernon, Ind. (formerly called South Fork Vernon Fork)	70.7	Lat 38°59′20″, Long 85°34′32″, in SE1/4 Sec 1, T.6N., R.8E., Jennings County, 500 feet below bridge on county road, 2 miles east of Vernon Bridge known as Hinchman′s Ford Bridge.	.0	.4
03371525	Guthrie Creek near Tunnelton, Ind.	68.9	Lat 38°47′22”, Long 86°21′33”, SW1/4 SE1/4 SW1/4, Sec 12, T.4N., R.11E., 100 feet below county road bridge, 0.8 mile north of intersection with road from Buddha to Tunnelton, 1.1 miles northwest of Tunnelton.	.0	.3
03371530	Leatherwood Creek at Bedford, Ind.	37.6	Lat 38°50′23″, Long 86°28′38″, SE1/4 SW1/4 NW1/4 Sec. 25, T.5N., R.1W., Lawrence County at bridge on county road, 1.6 miles southeast from court house in Bedford.	0.1	0.5
03371550	Middle Fork Salt Creek at Story, Ind.	38.3	Lat 39°05′37″, Long 86°12′30″, in SE1/4 SE1/4 Sec 9, T.8N., R.3E., Brown County, Ohio River Basin at Bridge on State Highway 135, 0.5 mile southeast of Story.	.0	.0
0337157050	Gravel Creek near Story, Ind.	4.93	Lat 39°05′30″, Long 86°13′41″, in SE1/4 SE1/4 Sec 30, T.8N., R.3E., Brown County, at bridge 0.2 mile above mouth, 1.0 mile southwest of Story.	.0	.0
0337162050	Crooked Creek near Elkinsville, Ind.	2.48	Lat 39°06′29″, Long 86°18′49″, In SW1/4 NE1/4 Sec 6, T.8N., R.2E., Brown County, at bridge in front of Crooked Creek School, 3.5 miles northwest of Elkinsville.	.0	.0

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
033719505	Lower Schooner Creek near Belmont, Ind.	12.0	Lat 39°09′30″, Long 86°20′09″, in SE1/4 NE1/4 Sec 6, T.8N., R.2E., Brown County, approximately 200 feet east of State Highway 46, 0.1 mile upstream from mouth, 0.75 mile northeast of Belmont.	.0	.0
0337215050	Moore Creek near Handy, Ind.	2.14	Lat 39°06′52″, Long 86°28′12″, in SW1/4 NE1/4 Sec 24, T.8N., R.1W., Monroe County, at bridge 1.9 miles northeast of Handy.	.0	--
03372670	Jackson Creek near Bloomington, Ind.	4.66	Lat 39°07′17″, Long 86°30′50″, in SW1/4 NW1/4 Sec 15, T.8N., R.1W., Monroe County, at bridge on Rhorer Road, 0.95 mile east of State Highway 37 on the south side of Bloomington.	.0	.0
03373320 (384415086461 501)	Indian Creek east of McBrides Bluff Road near Dover Hill, Ind. (previously called near Trinity Springs)	172	Lat 38°44′15″, Long 86°46′14″, in W1/2 Sec 32, T.4N., R.3W., Martin County, at bridge on McBrides Bluff Road, 1.3 miles south of Trinity Springs, and 2.3 miles above mouth.	.0	--
03373529	Boggs Creek near Loogootee, Ind.	86.2	Lat 38°41′02″, Long 86°53′04″, in NW1/4 sec 20, T.3N., R.4W., Martin County, at bridge on U.S. Highway 50, 1.2 mile upstream from mouth, 1 mile east of Loogootee.	0.0	---
03373600	Lick Creek near Paoli, Ind.	18.9	Lat 38°32′42″, Long 86°26′56″, SW1/4 Sec 6, T.1N., R.1E., Orange County, at bridge on county road, 1.3 miles southeast of Paoli.	.3	.6
03373900	Aikman Creek near Glendale, Ind.	16.5	Lat 38°34′07″, Long 87°06′32″, on line between Secs 29 and 30, T.2N., R.6W., Daviess County, tributary to East Fork White River, at bridge on State Highway 257, 1.75 miles west of Glendale.	.0	--
03374060	Conger Creek near Bowman, Ind.	9.26	Lat 38°29′15″, Long 87°23′13″, on line between Secs 16 and 17, T.1N., R.9W., Pike County, at bridge on U.S. Highway 56, 2.5 miles west of Bowman.	.0	--

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
0337445080	Patoka River Tributary near Valeene, Ind.	1.13	Lat 38°28′17″, Long 86°22′44″, in SW1/4 Sec 35, T.1N., R.1E., Orange County, 100 feet above mouth and 2.4 miles northeast of Valeene.	.0	--
0337445250	Fudge Creek near Valeene, Ind.	4.41	Lat 38°27′18″, Long 86°22′25″, on line between Secs 2 and 11, T.1S., R.1E., Orange County, at bridge on county road 1.5 miles northeast of Valeene.	.0	--
033744545	Fudge Creek Tributary near Valeene, Ind.	10.0	Lat 38°27′18″, Long 86°22′57″, on line between Secs 3 and 10, T.1S., R.1E., Orange County, at bridge on county road, 1.4 miles northeast of Valeene.	.0	--
033744805	Hogs Defeat Creek near Valeene, Ind.	6.38	Lat 38°27′26″, Long 86°27′03″, in SW1/4 Sec 6, T.1S., R.1W., Orange County, at bridge on county road, 3.2 miles northwest of Valeene.	.0	--
033744815	Hogs Defeat Creek tributary near Valeene, Ind.	3.08	Lat 38°27′26″, Long 86°27′03″, in SW1/4 Sec 6, T.1S., R.1E., Orange County, at bridge on State Highway 37, 3.2 miles northwest of Valeene.	.0	--
0337448550	Youngs Creek near Greenbrier, Ind.	10.8	Lat 38°26′38″, Long 86°31′41″, in SW1/4 Sec 9, T.1S., R.1W., Orange County, at bridge on county road, 2.0 miles southeast of Greenbrier.	0.0	--
03374487	Cane Branch near Ethel, Ind.	1.71	Lat 38°25′19″, Long 86°31′07″, in NE1/4 Sec 21, T.1S., R.1W., Orange County, at bridge on county road, 1.3 miles north of Ethel.	.0	--
033748505	Patoka River tributary at Dubois, Ind.	.16	Lat 38°26′48″, Long 86°48′31″, in NW1/4 Sec 12, T.1S., R.4W., Dubois County, at bridge on State Highway 545, at Dubois.	.0	--
0337625850	Flat Creek near Algiers, Ind.	15.2	Lat 38°28′03″, Long 87°08′50″, on line between SW1/4 Sec 36 and SE1/4 Sec 35, T.1N., R.7W., Pike County, at bridge on county road, 3 miles northwest of White Sulphur Springs.	.0	--

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
033762778	Bone Creek near White Sulphur Springs, Ind.	4.30	Lat 38°24′53″, Long 87°06′44″, in E1/2 Sec 19, T.1S., R.6W., Pike County, at mouth west of Flat Creek Road, 3 miles northwest of White Sulphur Springs.	.0	--
033762785	Flat Creek tributary near White Sulphur Springs, Ind.	22.5	Lat 38°24′27″, Long 87°05′31″. on line between NW1/4 Sec 28 and NE1/4 Sec 29, T.1S., R.6W., Pike County, at State Highway 257 bridge, 1.5 miles north of White Sulphur Springs.	.0	--
033762789	Little Flat Creek near White Sulphur Springs, Ind.	9.12	Lat 38°24′01″, Long 87°03′36″, in E1/2 Sec 27, T.1S., R.6W., Dubois County, at bridge on County Road 155 North, 2 miles northeast of White Sulphur Springs.	.0	--
033762791	Flat Creek near Ireland, Ind.	50.6	Lat 38°23′39″, Log 87°02′41″, in S1/2 Sec 26, T.1S., R.6W., Dubois County, at bridge on County Road 750 West, 2.75 miles southwest of Ireland.	.0	--
033762795	Sulphur Springs Branch tributary near White Sulphur Springs, Ind.	.67	Lat 38°23′09″, Long 87°03′46″, at center of Sec 34, T.1S., R.6W., Dubois County, at bridge on Dubois County Road 50 North, 1.5 miles east of White Sulphur Springs.	.0	--
033762957	Lick Creek near White Oak	.89	Lat 38°23′34″, Long 87°09′15″, on line between Secs 26 and 35, T.1S., R.7W., Pike County, at bridge on Bruster Branch Road, 1.5 miles southwest of White Oak	0.0	--
033762958	Lick Creek tributary near White Oak, Ind.	1.31	Lat 38°23′13″, Long 87°08′55″, near center of Sec 35, T.1S., R.7W., Pike County, at bridge on Iron Bridge Road, 1.75 miles south of White Oak.	.0	--
033762959 (382328087110 000)	Bruster Branch near Winslow, Ind.	2.20	Lat 38°23′27″, Long 87°11′02″, in NE1/4 NE1/4 Sec 33, T.1S., R.7W., Pike County, at bridge on Bruster Branch Road, 1.75 miles northeast of Winslow.	.0	--
0337633050	Sugar Creek near Littles, Ind.	2.69	Lat 38°23′58″, Long 87°16′40″, in SW1/4 NW1/4 Sec 26, T.1S., R.8W., Pike County, at junction of Sugar Ridge Road and Line Road, 0.5 mile east of Littles.	.0	--

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
0337633450	Flat Creek near Glezen, Ind.	9.05	Lat 38°25′18″, Long 87°18′05″, on line between Secs 16 and 21, T.1S., R.8W., Pike County, at bridge on Chandler Road, 0.5 mile north of Glezen.	.0	--
033763443	South Fork Patoka River tributary near Stendal, Ind.	.07	Lat 38°14′59″, Long 87°10′39″, in SW1/4 Sec 15, T.3S., R.7W., Pike County, at county road bridge, 2.25 miles southwest of Stendal.	.0	--
033763462	South Fork Patoka River tributary near Scottsburg, Ind.	.40	Lat 38°15′50″, Long 87°12′30″, in SW1/4 Sec 8, T.3S., R.7W., Pike County, at county road bridge, 1.75 miles southeast of Scottsburg.	.0	--
03376812	Cup Creek near Pikesville, Ind.	14.2	Lat 38°19′00″, Long 87°07′14″, in NW1/4 Sec 30, T.2S., R.6W., Pike County, at State Highway 257 bridge, 0.5 mile southwest of Pikesville.	.0	--
03378460	Black River near Stewartsville, Ind.	33.5	Lat 38°13′35″, Long 87°49′06″, on line between Secs 35 and 36, T.3S., R.13W., Posey County, at bridge on county highway, 3 miles north by northwest of Stewartsville.	.0	--
03378600	Big Creek at Solitude, Ind.	224	Lat 38°01′06″, Long 87°54′01″, in SW1/4 Sec 8, T.6S., R.13N., Posey County, at bridge on State Highway 269, at solitude.	0.0	--
04093900	Coffee Creek at Chesterton, Ind.	15.0	Lat 41°36′24″, Long 87°03′03″, on line between Secs 1 and 36, T.37N., R.6W., Porter County, at bridge on Porter Avenue, 0.5 mile east of intersection with Calumet Road (Old State Highway 49), in Chesterton.	5.0	6.2
04095050	Dunes Creek near Dune Acres, Ind.	3.40	Lat 41°39′13″, Long 87°03′47″, Porter County, SE1/4 NW1/4 NW1/4 Sec 13, T.37N., R.6W., 50 feet upstream from mouth, at Indiana Dunes State Park Pavilion.	.0	--
0409902050	Ewing Ditch near Angola, Ind.	4.00	Lat 41°38′40″, Long 84°56′44″, in SE1/4 SW1/4 Sec 20, T.37N., R.14E., Steuben County, 0.2 mile north of Pigeon Lake, 2 miles east of Angola.	.0	--

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
0409904050	Berlien Ditch near Angola, Ind.	3.20	Lat 41°38′15″, Long 84°55′30″, in SE1/4 NW1/4 Sec 28, T.37N., R.14E., Steuben County, at bridge on County Road 350 East, 3.5 miles east of Angola.	.0	--
04099070	Pigeon Creek near Hamilton, Ind.	43.3	Lat 41°36′16″, Long 84°56′32″, in NW1/4SW1/4SE1/4 Sec 5, T.36N., R.14E., 3.3 miles southeast of Angola, then south 1.5 miles to a “y” road, turn northeast 0.3 mile to bridge.	2.5	4.7
04099692	Rowe Ditch near Howe, Ind.	7.52	Lat 41°42′32”, Long 85°26′18”, in NE1/4 SE1/4 Sec 5, T.38N., R.9E., Lagrange County, at pipe culvert on County Road 450 North, 9 miles south of intersection with Highway 120, 1.9 miles southwest of Howe.	1.9	2.9
04099805	Little Elkhart River near Middlebury, Ind.	60.6	Lat 41°39′15″, Long 85°40′14″, on line between Secs 13 and 24, T.37N., R.7E., Elkhart County, at bridge on U.S. Highway 20, 2.2 miles southeast of Middlebury.	16	19
0410009550	Dove Creek near Valentine, Ind.	2.20	Lat 41°34′38″, Long 85°24′57″, in SE1/4 NW1/4 Sec 18, T.36N., R.10E., Lagrange County, at bridge on County Road 450 South, just east of junction with County Road 50 East.	0.0	--
04100125	North Branch Elkhart River near Wolcottville, Ind.	63.0	Lat 41°31′31″, Long 85°27′38″, W1/2 Secs 2 and 35, T.36N., R.9E., at bridge on Lagrange-Noble County Line Road, 4.5 miles west of Wolcottville.	5.4	12
04100490	Turkey Creek near New Paris, Ind.	169	Lat 41°30′01″, Long 85°50′32″, in SW1/4 Sec 9, T.35N., R.6E., Elkhart County, at county highway bridge, 0.4 mile west of New Paris.	19	32
04100800	Yellow Creek at Dunlap, Ind.	32.4	Lat 41°38′44″, Long 85°56′00″, in NE1/4 NE1/4 NE1/4 Sec 22, T.37N., R.5E., Elkhart County, at bridge on U.S. Highway 33 at north-west edge of Dunlap.	2.4	3.4

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
04101300	Juday Creek at Roseland, Ind.	37.3	Lat 41°43′18″, Long 86°15′02″, in NE1/4 NW1/4 NW1/4 Sec 25, T.38N., R.2E., St. Joseph County, at bridge on U.S. Highway 31, 150 feet south of Interstate 80 and 90 at the north edge of Roseland.	2.6	3.5
04177800	Fish Creek near Artic, Ind.	95.8	Lat 41°29′13″, Long 84°50′13″, SE1/4 SE1/4 Sec 18, T.35N., R.15E., Dekalb County Road No. 12 bridge, 1.7 miles northwest of Artic, and 1.9 miles east of Jerusalem School.	2.6	4.8
04177900	Big Run at Butler, Ind.	16.7	Lat 41°26′09″, Long 84°52′08″, SW1/4 NW1/4 Sec 1, T.34N., R.14E., Dekalb County at bridge on State Highway 1, 0.6 mile due north of intersection of U.S. Highway 6, and State Highway 1, north of Butler.	.8	1.3
04178400	Bear Creek near Saint Joe, Ind.	23.9	Lat 41°18′58″, Long 84°53′32″, in SE1/4 SE1/4 Sec 15, T.33N., R.14E., Dekalb County, at bridge on State Highway 1, 0.1 mile north of B & O Railroad and 0.4 mile east of Saint Joe.	1.1	1.8
04178500	St. Joseph River at Hursh, Ind.	734	Lat 41°14′47″, Long 84°58′23″, in Sec 12, T.32N., R.13E., Allen County, near center of span on downstream side of Hubstown bridge at Hursh, and 5.5 mile upstream from Cedar Creek.	33	59
04179308	Dibbling Ditch near Waterloo, Ind.	12.9	Lat 41°27′03″, Long 85°02′25″, in NW1/4 NW1/4 Sec 33, T.35N., R.13E., Dekalb County, at bridge on County Road 22, 0.8 mile west of County Road 35, 1.6 miles northwest of Waterloo.	.5	.9
04179310	Cedar Creek at Waterloo, Ind.	48.8	Lat 41°26′14″, Long 85°01′03″, NW1/4 Sec 3, T.34N., R.13E., Dekalb County, at bridge on U.S. Highway 427, 2.3 miles northeast of Waterloo.	1.7	3.0

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
04179560	John Diehl Ditch at Auburn, Ind.	37.5	Lat 41°21′07”, Long 85°04′52”, in SW1/4 SE1/4 SE1/4 Sec 36., T.34N., R.12E., at bridge on County Road 48,1.6 miles southwest of the Auburn court house, 0.5 mile southwest of Auburn.	1.1	1.7
04179800	Little Cedar Creek near Garrett, Ind.	72.3	Lat 41°16′08″, Long 85°08′07″, on line between Secs 33 and 34, T.33N., R.12E., Dekalb County, at bridge on U.S. Highway 27, 0.25 mile north of Allen-Dekalb County line.	3.7	5.4
04179900	Willow Creek near Huntertown, Ind.	19.0	Lat 41°14′37″, Long 85°10′03″, in SE1/4 NW1/4 Sec 8, T.32N., R.12E., Allen County, at bridge on State Highway 3, about 300 feet north of Shoaf Road, 2.1 miles north of Huntertown.	.2	.4
04181100	Blue Creek near Pleasant Mills, Ind.	78.5	Lat 40°44′49″, Long 84°49′20″, in NE1/4 NE1/4 Sec 4, T.26N., R.5E., Adams County, at bridge on State Highway 124, 1.5 miles west of Willshire, Ohio, and 2.2 miles southeast of Pleasant Mills.	.6	1.3
04181600	Holthouse Ditch near Decatur, Ind.	34.0	Lat 40°50′48″, Long 84°56′44″, in the NE1/4 NW1/4 NE1/4 Sec 32, T.28N., R.14E., Adams County, at Winchester Road bridge, 0.4 mile upstream from mouth, and 0.5 mile northwest of Decatur.	.0	.0
04181800	Nickelsen Creek near Poe, Ind.	25.6	Lat 40°55′36″, Long 85°03′57″, in SE1/4 NW1/4 Sec 33, T.29N., R.13E., Allen County, at bridge on Winchester Road, 1.0 mile southeast of Poe.	0.0	0.0
04181900	Houk Ditch near Hessen Cassel, Ind.	16.3	Lat 40°59′27″, Long 85°05′32″, SW1/4 SW1/4 Sec 5, T.29N., R.13E., Allen County, at U.S. Highway 27-33 bridge, 0.4 mile upstream from mouth, 1.2 miles northwest of Hessen Cassel, and 7 miles southeast of Fort Wayne.	.0	.0

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
04191340	Flatrock Creek near Townley, Ind.	47.1	Lat 41°00′51″, Long 84°51′06″, in NW1/4 SE1/4 Sec 32, T.30N., R.15E., Allen County, at U.S. Highway 30 bridge crossing, 0.6 mile east of State Highway, 1.2 miles southeast of Townley.	.0	.1
04191360	Hoffman Creek at Townley, Ind.	41.7	Lat 41°01′16″, Long 84°52′16″, in NE1/4 Sec 31, T.30N., R.15E., Allen County, at bridge on U.S. Highway 30, at Townley.	.0	.0
05515100	Little Kankakee River near Mill Creek, Ind.	33.8	Lat 41°34′15″, Long 86°34′27″m Sec 18, T.36N., R.2W., La Porte County, at bridge on State Highway 24, 2.5 miles west of Mill Creek.	23	28
05515499	Whitham Ditch near Hanna, Ind.	43.0	Lat 41°25′08”, Long 86°42′27”, La Porte County, at bridge on County Road 1300, 1.25 miles south of State Road 39, and 4 miles east of Hanna, and 0.5 mile east of 100 West and 1300 South intersection.	22	27
05515990	Stock Ditch near Bremen, Ind.	48.7	Lat 41°25′50”, Long 86°10′48”, in NE1/4 SE1/4 NE1/4 Sec 4, T.34N., R.3E., Marshall County, at bridge on North Grape Road, 2.0 miles southwest of Bremen.	2.0	3.5
05516300	Dausman Ditch near Bremen, Ind.	53.4	Lat 41°22′58″, Long 86°07′02″, on line between Sec 19 T.34N., R.4E., and Sec 24 T.34N., R.3E., Marshall County, at bridge on State Highway 331, 4.5 miles south of Bremen.	1.8	3.8
05516650	Wolf Creek near Argos, Ind.	31.1	Lat 41°15′40″, Long 86°18′32″, on line between Sec 32 and 33, T.33N., R.2E., Marshall County, at bridge on South Muckshaw Road, 1.6 miles north of Highway 31 in Argos.	5.0	7.0
05516950	Eagle Creek near Grovertown, Ind.	31.9	Lat 41°18′44″, Long 86°31′27″, in NE1/4 SE1/4 NE1/4 Sec 16, T.33N., R.1W., Starke County, at bridge on State Highway 23, 5.2 miles south of U.S. Highway 30 out of Grovertown.	6.9	10

Table 2. Low-flow characteristics for partial-record stations in Indiana—Continued

Station number	Station name	Drainage area (mi^2)	Location	7-day mean low flow 10-year recurrence (ft^3/s)	7-day mean low flow 2-year recurrence (ft^3/s)
05517550	Reeves Ditch near La Crosse, Ind.	44.1	Lat 41°19′03″, Long 86°55′49″, on line between Secs 12 and 13, T.33N., R.5W., Porter-La Porte County line, at bridge on State Highway 8, 2.0 miles west of La Crosse.	7.1	13
05517750 (411720087000500)	Crooked Creek near Kouts, Ind.	69.9	Lat 41°17′20″, Long 87°00′05″, on line between Secs 21 and 28, T.33N., R.5W., Porter County, at bridge on County Road 1000 South, 0.55 mile east of intersection with County Road 75 East, 2.3 miles southeast of Kouts.	22	29
05517880	Wolf Creek near Kouts, Ind.	13.8	Lat 41°21′44″, Long 87°04′59″, in SW1/4 SW1/4 Sec 26, T.34N., R.6W., Porter County at corrugated metal-pipe culvert on County Road 100 West, 1.1 miles north of intersection with 600 South, 4.1 miles northwest of Kouts.	2.8	4.0
05518500	Singleton Ditch near Hebron, Ind.	34.2	Lat 41°17′00″, Long 87°15′00″, on line between Secs 20 and 29, T.33N., R.7W., Lake County, at State Highway 2 bridge, 3.2 miles southwest of Hebron.	2.3	4.2
05525650	Beaver Creek near Morocco, Ind.	41.0	Lat 40°57′57″, Long 87°27′00″, in NW1/4 SW1/4 NW1/4 Sec 15, T.29N., R.9W., at bridge over Beaver Creek on U.S. 41, Newton County about 1.4 miles north of Morocco.	1.0	2.0

APPENDIX 1

INDEX OF CONTINUOUS-RECORD STATIONS BY STATION NUMBER

[All stations are in Indiana unless otherwise noted]

03274650 Whitewater River near Economy 24
03274750 Whitewater River near Hagerstown 25
03274950 Little Williams Creek at Connersville 26
03275000 Whitewater River near Alpine 27
03275500 East Fork Whitewater River at Richmond 28
03275600 East Fork Whitewater River at Abington 29
03276000 East Fork Whitewater River at Brookville 30
03276500 Whitewater River at Brookville 31
03276700 South Hogan Creek near Dillsboro. 32
03277000 Laughery Creek near Farmers Retreat 33
03291780 Indian-Kentuck Creek near Canaan 34
03294000 Silver Creek near Sellersburg 35
03302220 Buck Creek near New Middletown 36
03302300 Little Indian Creek near Galena 37
03302500 Indian Creek near Corydon 38
03302680 West Fork Blue River at Salem. 39
03302800 Blue River at Fredericksburg 40
03302849 Whiskey Run at Marengo 41
03303000 Blue River near White Cloud 42
03303300 Middle Fork Anderson River at Bristow 43
03303400 Crooked Creek near Santa Claus 44
03322011 Pigeon Creek near Fort Branch 45
03322500 Wabash River near New Corydon. 46
03322900 Wabash River at Linn Grove. 47
03323000 Wabash River at Bluffton 48
03323500 Wabash River at Huntington. 49
03324000 Little River near Huntington. 50
03324200 Salamonie River at Portland 51
03324300 Salamonie River near Warren 52
03324500 Salamonie River at Dora. 53
03325000 Wabash River at Wabash 54
03325311 Little Mississinewa River at Union City. 55
03325500 Mississinewa River near Ridgeville 56
03326000 Mississinewa River near Eaton. 57
03326070 Big Lick Creek near Hartford City 58
03326500 Mississinewa River at Marion 59
03327000 Mississinewa River at Peoria 60
03327500 Wabash River at Peru 61
03327520 Pipe Creek near Bunker Hill. 62

03328000 Eel River at North Manchester 63
03328430 Weesau Creek near Deedsville 64
03328500 Eel River near Logansport 65
03329000 Wabash River at Logansport 66
03329400 Rattlesnake Creek near Patton 67
03329500 Wabash River at Delphi 68
03329700 Deer Creek near Delphi 69
03330241 Tippecanoe River at North Webster 70
03330500 Tippecanoe River at Oswego 71
03331110 Walnut Creek near Warsaw 72
03331500 Tippecanoe River near Ora 73
03332300 Little Indian Creek near Royal Center 74
03332400 Big Monon Creek near Francesville 75
03332500 Tippecanoe River near Monticello 76
03333050 Tippecanoe River near Delphi 77
03333450 Wildcat Creek near Jerome 78
03333500 Wildcat Creek at Greentown 79
03333600 Kokomo Creek near Kokomo 80
03333700 Wildcat Creek at Kokomo 81
03334000 Wildcat Creek at Owasco 82
03334500 South Fork Wildcat Creek near Lafayette 83
03335000 Wildcat Creek near Lafayette 84
03335500 Wabash River at Lafayette 85
03335677 Marshall Ditch near Montmorenci 86
03335678 Indian Creek near Montmorenci 87
03335679 Little Pine Creek at Green Hill 88
03335690 Mud Pine Creek near Oxford 89
03335700 Big Pine Creek near Williamsport 90
03336000 Wabash River at Covington 91
03339108 East Fork Coal Creek near Hillsboro 92
03339120 Coal Creek at Coal Creek 93
03339280 Prairie Creek near Lebanon 94
03339500 Sugar Creek at Crawfordsville 95
03340000 Sugar Creek near Byron 96
03340500 Wabash River at Montezuma 97
03340800 Big Raccoon Creek near Fincastle 98
03340900 Big Raccoon Creek at Ferndale 99
03341000 Big Raccoon Creek at Mansfield 100
03341200 Little Raccoon Creek near Catlin 101

03341300 Big Raccoon Creek at Coxville 102
03341500 Wabash River at Terre Haute 103
03342000 Wabash River at Riverton 104
03342100 Busseron Creek near Hymera 105
03342150 West Fork Busseron Creek near Hymera 106
03342250 Mud Creek near Dugger 107
03342300 Busseron Creek near Sullivan 108
03342500 Busseron Creek near Carlisle 109
03343000 Wabash River at Vincennes 110
03347000 White River at Muncie 111
03347500 Buck Creek near Muncie 112
03348000 White River at Anderson 113
03348020 Killbuck Creek near Gaston 114
03348350 Pipe Creek at Frankton 115
03348500 White River near Noblesville 116
03349000 White River at Noblesville 117
03349500 Cicero Creek near Arcadia 118
03349700 Little Cicero Creek near Arcadia 119
03350100 Hinkle Creek near Cicero 120
03350500 Cicero Creek at Noblesville 121
03350700 Stony Creek near Noblesville 122
03351000 White River near Nora 123
03351310 Crooked Creek at Indianapolis 124
03351400 Sugar Creek near Middletown 125
03351500 Fall Creek near Fortville 126
03352200 Mud Creek at Indianapolis 127
03352500 Fall Creek at Millersville 128
03353000 White River at Indianapolis 129
03353120 Pleasant Run at Arlington Avenue at Indianapolis 130
03353160 Pleasant Run at Brookville Road at Indianapolis 131
03353180 Bean Creek at Indianapolis 132
03353200 Eagle Creek at Zionsville 133
03353500 Eagle Creek at Indianapolis 134
03353551 Little Eagle Creek at 52nd Street at Indianapolis 135
03353560 Guion Creek above 52nd Street at Indianapolis 136
03353583 Falcon Creek at 30th Street at Indianapolis 137
03353600 Little Eagle Creek at Speedway 138
03353620 Lick Creek at Indianapolis 139
03353630 Little Buck Creek near Southport 140

03353635 Derbyshire Creek at Southport 141
03353636 Little Buck Creek at Southport 142
03353637 Little Buck Creek near Indianapolis 143
03353660 White River at Waverly 144
03353700 West Fork White Lick Creek at Danville 145
03353800 White Lick Creek at Mooresville 146
03354000 White River near Centerton 147
03354500 Beanblossom Creek at Beanblossom 148
03355000 Bear Creek near Trevlac 149
03356000 Beanblossom Creek at Dolan 150
03357000 White River at Spencer 151
03357350 Plum Creek near Bainbridge 152
03357500 Big Walnut Creek near Reelsville 153
03358000 Mill Creek near Cataract 154
03359000 Mill Creek near Manhattan 155
03359500 Deer Creek near Putnamville 156
03360000 Eel River at Bowling Green 157
03360500 White River at Newberry 158
03361000 Big Blue River at Carthage 159
03361500 Big Blue River at Shelbyville 160
03361650 Sugar Creek at New Palestine 161
03361850 Buck Creek at Acton 162
03362000 Youngs Creek near Edinburgh 163
03362500 Sugar Creek near Edinburgh 164
03363000 Driftwood River near Edinburgh 165
03363500 Flatrock River at St. Paul 166
03363900 Flatrock River at Columbus 167
03364000 East Fork White River at Columbus 168
03364200 Haw Creek near Clifford 169
03364500 Clifty Creek at Hartsville 170
03365000 Sand Creek near Brewersville 171
03365500 East Fork White River at Seymour 172
03366000 Graham Creek near Vernon 173
03366200 Harberts Creek near Madison 174
03366500 Muscatatuck River near Deputy 175
03368000 Brush Creek near Nebraska 176
03369000 Vernon Fork Muscatatuck River near Butlerville 177
03369500 Vernon Fork Muscatatuck River at Vernon 178
03371500 East Fork White River near Bedford 179

03371520 Back Creek at Leesville 180
03371600 South Fork Salt Creek at Kurtz. 181
03371650 North Fork Salt Creek at Nashville 182
03372000 North Fork Salt Creek near Belmont 183
03372300 Stephens Creek near Bloomington 184
03372500 Salt Creek near Harrodsburg 185
03372700 Clear Creek near Harrodsburg 186
03373200 Indian Creek near Springville. 187
03373500 East Fork White River at Shoals. 188
03373530 Lost River near Leipsic. 189
03373700 Lost River near West Baden Springs 190
03374000 White River at Petersburg. 191
03374455 Patoka River near Hardinsburg. 192
03374500 Patoka River near Cuzco 193
03375500 Patoka River at Jasper. 194
03375800 Hall Creek near St. Anthony. 195
03376260 Flat Creek near Otwell 196
03376300 Patoka River at Winslow. 197
03376350 South Fork Patoka River near Spurgeon. 198
03376500 Patoka River near Princeton 199
03377500 Wabash River at Mount Carmel, Illinois 200
03378550 Big Creek near Wadesville 201
04093000 Deep River at Lake George Outlet at Hobart 202
04094000 Little Calumet River at Porter. 203
04094500 Salt Creek near McCool 204
04095300 Trail Creek at Michigan City 205
04096100 Galena River near LaPorte 206
04097970 Lime Lake Outlet at Panama 207
04099510 Pigeon Creek near Angola 208
04099610 Pretty Lake Inlet near Stroh 209
04099750 Pigeon River near Scott 210
04099808 Little Elkhart River at Middlebury 211
04099850 Pine Creek near Elkhart 212
04100222 North Branch Elkhart River at Cosperville 213
04100252 Forker Creek near Burr Oak 214
04100295 Rimmel Branch near Albion. 215
04100377 Solomon Creek near Syracuse 216
04100465 Turkey Creek at Syracuse 217
04100500 Elkhart River at Goshen 218

04101000 St. Joseph River at Elkhart 219
04177720 Fish Creek at Hamilton 220
04178000 St. Joseph River near Newville 221
04179000 St. Joseph River at Cedarville 222
04179500 Cedar Creek at Auburn 223
04180000 Cedar Creek near Cedarville 224
04180500 St. Joseph River near Fort Wayne 225
04181500 St. Marys River at Decatur 226
04182000 St. Marys River near Fort Wayne 227
04182590 Harber Ditch at Fort Wayne 228
04182810 Spy Run Creek at Fort Wayne 229
04183000 Maumee River at New Haven 230
05515000 Kankakee River near North Liberty 231
05515400 Kingsbury Creek near LaPorte 232
05515500 Kankakee River at Davis 233
05516000 Yellow River near Bremen 234
05516500 Yellow River at Plymouth 235
05517000 Yellow River at Knox 236
05517500 Kankakee River at Dunns Bridge 237
05517530 Kankakee River near Kouts 238
05517890 Cobb Ditch near Kouts 239
05518000 Kankakee River at Shelby 240
05519000 Singleton Ditch at Schneider 241
05519500 West Creek near Schneider 242
05521000 Iroquois River at Rosebud 243
05522000 Iroquois River near North Marion 244
05522500 Iroquois River at Rensselaer 245
05523000 Bice Ditch near South Marion 246
05523500 Slough Creek near Collegeville 247
05524000 Carpenter Creek at Egypt 248
05524500 Iroquois River near Foresman 249
05536179 Hart Ditch at Dyer 250
05536190 Hart Ditch at Munster 251
05536195 Little Calumet River at Munster 252

APPENDIX 2

INDEX OF STATIONS

[All stations are in Indiana unless otherwise noted]

Aboite Creek near Aboite 259
Aikman Creek near Glendale 282
Anderson River at St. Meinrad 257
Bachelor Run near Flora 264
Back Creek at Leesville 180
Badger Creek near La Fontaine 261
Bean Creek at Indianapolis 132
Beanblossom Creek at Beanblossom 148
Beanblossom Creek at Dolan 150
Bear Creek at Fountain 267
Bear Creek near Bryant 258
Bear Creek near Saint Joe 287
Bear Creek near Trevlac 149
Beaver Creek near Morocco 290
Bell Creek near Yorktown. 271
Berlien Ditch near Angola 286
Bice Ditch near South Marion 246
Big Blue River at Carthage 159
Big Blue River at Shelbyville 160
Big Blue River near New Castle 278
Big Cedar Creek at Cedar Grove 254
Big Creek at Solitude 285
Big Creek near Monticello 265
Big Creek near Volga 280
Big Creek near Wadesville 201
Big Lick Creek near Hartford City 58
Big Lick Creek near Wheeling 261
Big Monon Creek near Francesville 75
Big Monon Creek near Medaryville 265
Big Pine Creek near Williamsport 90
Big Raccoon Creek at Coxville 102
Big Raccoon Creek at Ferndale 99
Big Raccoon Creek at Mansfield 100
Big Raccoon Creek near Fincastle 98
Big Raccoon Creek near Ladoga 269
Big Run at Butler 287
Big Shawnee Creek near Attica 267

Big Walnut Creek near Barnard 275
Big Walnut Creek near Greencastle 275
Big Walnut Creek near Reelsville 153
Big Yellow Creek near Mentone 264
Birch Creek near Ashboro 276
Birch Creek near Old Hill 276
Bird Hollow Creek near English 257
Black Creek near Sandborn 277
Black Creek near Warren 259
Black River near Stewartsville 285
Bledsoe Branch near Bainbridge 275
Blue Creek near Pleasant Mills 288
Blue Lick Creek at Memphis 256
Blue River at Fredericksburg 40
Blue River near Churubusco 262
Blue River near Columbia City 262
Blue River near White Cloud 42
Boggs Creek near Loogootee 282
Bone Creek near White Sulphur Springs 284
Bosman Ditch near Albany 260
Bosman Ditch Tributary near Albany 260
Brandywine Creek near Maxwell 278
Brouillettes Creek near Universal 269
Brush Creek near Nebraska 176
Brushy Creek at Manville 255
Bruster Branch near Winslow 284
Buck Creek at Acton 162
Buck Creek near Muncie 112
Buck Creek near New Bethel 278
Buck Creek near New Middletown 36
Bull Path near Cloverdale 276
Busseron Creek near Carlisle 109
Busseron Creek near Hymera 105
Busseron Creek near Sullivan 108
Campbells Creek near Desoto 260
Campbells Run near Rossville 266
Cane Branch near Ethel 283
Carpenter Creek at Egypt 248

Cedar Creek at Auburn 223
Cedar Creek at Waterloo 287
Cedar Creek near Cedarville 224
Chippewanuck Creek near Rochester 264
Cicero Creek at Noblesville 121
Cicero Creek near Arcadia 118
Cicero Creek near Tipton 272
Clear Creek above Spring Creek at South Whitley 262
Clear Creek near Fillmore 275
Clear Creek near Harrodsburg 186
Clear Creek near Huntington 259
Clifty Creek at Hartsville 170
Coal Creek at Coal Creek 93
Coal Creek near Veedersburg 267
Cobb Ditch near Kouts 239
Coffee Creek at Chesterton 285
Conger Creek near Bowman 282
Connelly Ditch near Jasonville 277
Conns Creek near Blue Ridge 279
Crooked Creek at Augusta 272
Crooked Creek at Indianapolis 124
Crooked Creek near Elkinsville 281
Crooked Creek near Kouts 290
Crooked Creek near Logansport 263
Crooked Creek near Royal Center 263
Crooked Creek near Santa Claus 44
Cup Creek near Pikesville 285
Curtiss Ditch near Culver 264
Dausman Ditch near Bremen 289
Deep River at Lake George Outlet at Hobart 202
Deer Creek at Marion 261
Deer Creek near Cannelton 257
Deer Creek near Delphi 69
Deer Creek near Lincoln 263
Deer Creek near Putnamville 156
Derbyshire Creek at Southport 141
Dibbling Ditch near Waterloo 287
Dove Creek near Valentine 286

Driftwood River near Edinburgh 165
Dry Branch near Greencastle 275
Duck Creek at Greensboro 278
Duck Creek at Strawtown 271
Dunes Creek near Dune Acres 285
Eagle Creek at Indianapolis 134
Eagle Creek at Zionsville 133
Eagle Creek near Grovertown 289
East Fork Big Walnut Creek near Montclair 274
East Fork Coal Creek near Hillsboro 92
East Fork Coal Creek near Veedersburg 268
East Fork White Lick Creek near Mooresville 273
East Fork White River at Columbus 168
East Fork White River at Seymour 172
East Fork White River at Shoals 188
East Fork White River near Bedford 179
East Fork Whitewater River at Abington 29
East Fork Whitewater River at Brookville 30
East Fork Whitewater River at Richmond 28
Eel River at Bowling Green 157
Eel River at North Manchester 63
Eel River near Logansport 65
Eel River near Columbia City 262
Eightmile Creek at Zanesville 259
Elkhart River at Goshen 218
Elkhorn Creek at Richmond 254
Elliott Ditch near Lafayette 267
Ewing Ditch near Angola 285
Falcon Creek at 30th Street at Indianapolis 137
Fall Creek at Millersville 128
Fall Creek near Fortville 126
Falling Timber Creek near Versailles 255
First Creek at Newberry 277
Fish Creek at Hamilton 220
Fish Creek near Artic 287
Fish Creek near Freedom 274
Fishers Fork near Petersville 280
Flat Creek near Algiers 283

Flat Creek near Glezen 285
Flat Creek near Ireland 284
Flat Creek near Otwell 196
Flat Creek Tributary near White Sulphur Springs 284
Flatrock Creek near Townley 289
Flatrock River at Columbus 167
Flatrock River at St. Paul 166
Flatrock River near Lewisville 278
Flatrock River near Rushville 279
Flint Creek near Westpoint 267
Forker Creek near Burr Oak 214
Fourteenmile Creek near Charlestown 255
Fudge Creek near Valeene 283
Fudge Creek Tributary near Valeene 283
Galena River near LaPorte 206
Graham Creek near Vernon 173
Grassy Branch near New Brunswick 274
Gravel Creek near Story 281
Greens Fork at Greens Fork 254
Guion Creek above 52nd Street at Indianapolis 136
Guthrie Creek near Tunnelton 281
Halfway Creek near Albany 260
Hall Creek near St. Anthony 195
Hanna Creek near Roseburg 254
Harber Ditch at Fort Wayne 228
Harberts Creek near Madison 174
Hart Ditch at Dyer 250
Hart Ditch at Munster 251
Haw Creek near Clifford 169
Hayden Ditch near Wheeling 261
Hedgeland Ditch near Wheeling 261
Hinkle Creek near Cicero 120
Hoagland Ditch near Monon 265
Hoffman Creek at Townley 289
Hogs Defeat Creek near Valeene 283
Hogs Defeat Creek Tributary near Valeene 283
Holthouse Ditch near Decatur 288
Honey Creek near Reynolds 265

Honey Creek near Terre Haute 269
Houk Ditch near Hessen Cassel 288
Hurricane Creek near Franklin 278
Indian Creek east of McBrides Bluff Road near Dover Hill 282
Indian Creek near Corydon. 38
Indian Creek near Green Hill 267
Indian Creek near Montmorenci. 87
Indian Creek near Morgantown 273
Indian Creek near Oaklandon 272
Indian Creek near Springville. 187
Indian Creek near Thornhope 265
Indian-Kentuck Creek near Canaan 34
Indian-Kentuck Creek near Manville 255
Iroquois River at Rensselaer 245
Iroquois River at Rosebud 243
Iroquois River near Foresman. 249
Iroquois River near North Marion 244
Jackson Creek near Bloomington 282
John Diehl Ditch at Auburn 288
Johnson Drain near Churubusco 262
Jordan Creek near Jordan 276
Juday Creek at Roseland. 287
Kankakee River at Davis 233
Kankakee River at Dunns Bridge 237
Kankakee River at Shelby. 240
Kankakee River near Kouts 238
Kankakee River near North Liberty 231
Kettle Creek Tributary near Shelburn 270
Kickapoo Creek near Attica 267
Killbuck Creek near Anderson 271
Killbuck Creek near Gaston 114
Kilmore Creek at Kilmore 266
Kilmore Creek near Frankfort 266
Kingsbury Creek near LaPorte 232
Kirkpatrick Ditch near Rushville 279
Kokomo Creek near Kokomo 80
Lambs Creek near Martinsville 273
Lattas Creek near Switz City 277

Laughery Creek at Versailles 255
Laughery Creek near Ballstown 255
Laughery Creek near Farmers Retreat 33
Laughery Creek near Versailles 255
Leatherwood Creek at Bedford 281
Lick Creek at Indianapolis 139
Lick Creek near Coal City 276
Lick Creek near Fortville 272
Lick Creek near Paoli 282
Lick Creek near White Oak 284
Lick Creek Tributary near White Oak 284
Limberlost Creek at Geneva 258
Lime Lake Outlet at Panama 207
Little Blue River near Beechwood 257
Little Blue River near Grantsburg 257
Little Blue River near Rays Crossing 278
Little Blue River near Sulphur 257
Little Buck Creek at Southport 142
Little Buck Creek near Indianapolis 143
Little Buck Creek near Southport (continuous record) 140
Little Buck Creek near Southport (partial record) 272
Little Calumet River at Munster 252
Little Calumet River at Porter 203
Little Cedar Creek near Garrett 288
Little Cicero Creek near Arcadia 119
Little Deer Creek near Camden 263
Little Eagle Creek at 52nd Street at Indianapolis 135
Little Eagle Creek at Speedway 138
Little Elkhart River at Middlebury 211
Little Elkhart River near Middlebury 286
Little Flat Creek near White Sulphur Springs 284
Little Flatrock River at Milroy 279
Little Indian Creek near Corydon 256
Little Indian Creek near Galena 37
Little Indian Creek near Royal Center 74
Little Kankakee River near Mill Creek 289
Little Mississinewa River at Union City 55
Little Pigeon Creek near Midway 258

Little Pigeon Creek near Tennyson. 258
Little Pine Creek at Green Hill 88
Little Potato Creek near Darlington 269
Little Raccoon Creek near Catlin 101
Little River near Huntington. 50
Little Sand Creek near Elizabethtown 280
Little Vermillion River near Newport 268
Little Wea Creek near Lafayette 267
Little Wildcat Creek near Middleton 266
Little Williams Creek at Connersville 26
Loblolly Creek at Geneva 258
Long Ditch Tributary near Stony Ridge 264
Loon Creek at Huntington 259
Lost River near Leipsic. 189
Lost River near West Baden Springs 190
Lower Schooner Creek near Belmont. 282
Lugar Creek at Marion 261
Maiden Run near Reelsville 276
Main Edlin Ditch near Lebanon 274
Maria Creek near Emison 270
Marshall Ditch near Montmorenci 86
Martindale Creek near Cambridge City 254
Maumee River at New Haven. 230
Middle Fork Anderson River at Bristow. 43
Middle Fork Blue River near Salem 256
Middle Fork Fall Fork Clifty Creek at Hartsville 279
Middle Fork Salt Creek at Story 281
Middle Fork Wildcat Creek near Rossville 266
Mill Creek near Cataract. 154
Mill Creek near Fulton 264
Mill Creek near Manhattan. 155
Miller Creek near Fillmore 275
Minnow Creek Tributary near Logansport 261
Mississinewa River at Marion. 59
Mississinewa River at Peoria 60
Mississinewa River near Eaton. 57
Mississinewa River near Ridgeville 56
Mississinewa River Tributary near Albany. 260

Moore Creek near Handy 282
Moots Creek near Brookston 265
Mud Creek near Dugger 107
Mud Creek at Indianapolis 127
Mud Creek near Albany 260
Mud Creek near Bruce Lake 264
Mud Creek near Little Point 276
Mud Creek near Mechanicsburg 268
Mud Creek near Windfall 266
Mud Pine Creek near Oxford 89
Muddy Fork Creek near Speed 256
Muncie Creek near Desoto 270
Muscatatuck River near Austin 280
Muscatatuck River near Deputy 175
Nickelsen Creek near Poe 288
North Branch Clifty Creek near Sandusky 279
North Branch Elkhart River at Cosperville 213
North Branch Elkhart River near Wolcottville 286
North Fork Salt Creek at Nashville 182
North Fork Salt Creek near Belmont 183
Otter Creek near Burnett 269
Otter Creek near De Gonia Springs 257
Otter Creek near Newbern 280
Otter Creek near Vernon 281
Patoka River at Jasper 194
Patoka River at Winslow 197
Patoka River near Cuzco 193
Patoka River near Hardinsburg 192
Patoka River near Princeton 199
Patoka River Tributary at Dubois 283
Patoka River Tributary near Valeene 283
Paw Paw Creek near Roann 263
Pigeon Creek near Angola 208
Pigeon Creek near Buckskin 258
Pigeon Creek near Fort Branch 45
Pigeon Creek near Hamilton 286
Pigeon River near Scott 210
Pigeon Roost Creek near Underwood 281

Pike Creek near Norway 265
Pine Creek near Elkhart 212
Pipe Creek at Frankton 115
Pipe Creek near Alexandria 271
Pipe Creek near Bunker Hill 62
Pleasant Run at Arlington Avenue at Indianapolis 130
Pleasant Run at Brookville Road at Indianapolis 131
Pleasant Run at Greenwood 272
Pleasant Run Creek near Gilman 271
Plum Creek near Bainbridge (continuous-record station) 152
Plum Creek near Bainbridge (partial-record station) 275
Plummer Creek near Bloomfield 277
Pond Ditch (Kessinger Ditch) near Wheatland. 278
Poplar Run near Huntsville. 270
Prairie Creek at Thorntown. 268
Prairie Creek near Lebanon 94
Prairie Creek near Montpelier 259
Prairie Creek near Prairie Creek 269
Prairie Creek near Washington 277
Prairie Creek Tributary near Frankfort 266
Pretty Lake Inlet near Stroh 209
Quigley Marsh Ditch at Winamac 264
Raccoon Creek near Pottersville. 274
Ramp Run near North Salem 275
Rattlesnake Creek near Patton 67
Rattlesnake Creek (downstream site) near Spencer 274
Rattlesnake Creek (upstream site) near Spencer 273
Rees Ditch near Dunkirk 260
Rees Ditch near Eaton 260
Reeves Ditch near La Crosse 290
Richland Creek near Bloomfield 277
Rimmell Branch near Albion 215
Rock Creek near Markle. 259
Rock Creek near Rockfield. 263
Rock Creek near Rockford 258
Ross Ditch near Raintown 274
Rowe Ditch near Howe. 286
Salamonie River at Dora. 53

Salamonie River at Montpelier 259
Salamonie River at Portland 51
Salamonie River near Warren 52
Salt Creek near Harrodsburg 185
Salt Creek near McCool 204
Salt Creek near Metamora 254
Sand Creek near Brewersville 171
Sand Creek near Greensburg 280
Shawnee Creek near Rushville 279
Silver Creek near Liberty 254
Silver Creek near New Albany 256
Silver Creek near Sellersburg 35
Singleton Ditch at Schneider 241
Singleton Ditch near Hebron 290
Sixmile Creek near Bluffton 258
Slough Creek near Collegeville 247
Smothers Creek near Plainville 277
Snake Creek near Reelsville 276
Snyder Branch near Greencastle 275
Solomon Creek near Syracuse 216
South Fork Blue River near Palmyra 256
South Fork Deer Creek at Galveston 263
South Fork Patoka River near Spurgeon 198
South Fork Patoka River Tributary near Scottsburg 285
South Fork Patoka River Tributary near Stendal 285
South Fork Salt Creek at Kurtz 181
South Fork Wildcat Creek near Lafayette 83
South Hogan Creek near Dillsboro 32
Spring Creek near Columbia City 262
Spring Creek near White Cloud 256
Spring Creek below Clear Creek at South Whitley 262
Spy Run Creek at Fort Wayne 229
St. Joseph River at Cedarville 222
St. Joseph River at Elkhart 219
St. Joseph River at Hursh 287
St. Joseph River near Fort Wayne 225
St. Joseph River near Newville 221
St. Marys River at Decatur 226

St. Marys River near Fort Wayne 227
Steel Ditch near Gaston 271
Stephens Creek near Bloomington 184
Stinking Fork Little Blue River at Sulphur Springs 257
Stock Ditch near Bremen 289
Stoney Creek at Windsor 270
Stony Creek near Noblesville 122
Stotts Creek near Martinsville 272
Stucker Fork at Scottsburg 281
Stucker Fork Tributary near Lexington 280
Studebaker Ditch near Wheeling 261
Sugar Creek at Crawfordsville 95
Sugar Creek at New Palestine 161
Sugar Creek at South Whitley 262
Sugar Creek near Byron 96
Sugar Creek near Edinburgh 164
Sugar Creek near Kirklin 268
Sugar Creek near Littles 284
Sugar Creek near Middletown 125
Sugar Creek near Pleasant View 278
Sugar Mill Creek near Wallace 269
Sulphur Creek near Hymera 270
Sulphur Springs Branch Tributary near White Sulphur Springs 284
Sycamore Creek near Centerton 273
Tanners Creek near Guilford 255
Thurston Ditch near Bethel 271
Tippecanoe River at North Webster 70
Tippecanoe River at Oswego 71
Tippecanoe River near Delphi 77
Tippecanoe River near Monticello 76
Tippecanoe River near Ora 73
Trail Creek at Michigan City 205
Treaty Creek at Wabash 259
Turkey Creek at Syracuse 217
Turkey Creek near New Paris 286
Turkey Creek near Windfall 265
Turman Creek near Farmersburg 270
Twelve Mile Creek near Hoover 263

Veale Creek near Washington 277
Vernon Fork Muscatatuck River at Vernon 178
Vernon Fork Muscatatuck River near Butlerville 177
Wabash River at Bluffton 48
Wabash River at Covington 91
Wabash River at Delphi 68
Wabash River at Huntington 49
Wabash River at Lafayette 85
Wabash River at Linn Grove 47
Wabash River at Logansport 66
Wabash River at Montezuma 97
Wabash River at Mt. Carmel, Illinois 200
Wabash River at Peru 61
Wabash River at Riverton 104
Wabash River at Terre Haute 103
Wabash River at Vincennes 110
Wabash River at Wabash 54
Wabash River near New Corydon 46
Waddle Ditch near Pike 268
Walnut Creek near Warsaw 72
Walnut Fork Sugar Creek near Crawfordsville 269
Wea Creek near Lafayette 266
Weasel Creek near Arcadia 272
Weesau Creek near Deedsville 64
West Creek near Schneider 242
West Fork Big Walnut Creek near Jamestown 274
West Fork Blue River at Salem 39
West Fork Busseron Creek near Hymera 106
West Fork Indian-Kentuck Creek near Manville 255
West Fork White Lick Creek at Danville 145
Whiskey Run at Marengo 41
Whiskey Run at Milltown 256
White Creek near Cortland 280
White Lick Creek at Mooresville 146
White Lick Creek near Brownsburg 273
White River at Anderson 113
White River at Indianapolis 129
White River at Muncie 111

White River at Newberry 158
White River at Noblesville 117
White River at Petersburg 191
White River at Spencer 151
White River at Waverly 144
White River near Centerton 147
White River near Harrisville 270
White River near Noblesville 116
White River near Nora 123
White River Tributary near Spencer 273
Whitewater River at Brookville 31
Whitewater River near Alpine 27
Whitewater River near Economy 24
Whitewater River near Hagerstown 25
Whitham Ditch near Hanna 289
Wikoff Ditch near Rushville 279
Wildcat Creek at Greentown 79
Wildcat Creek at Kokomo 81
Wildcat Creek at Owasco 82
Wildcat Creek near Jerome 78
Wildcat Creek near Lafayette 84
Williams Creek near Cross Roads 270
Willow Creek near Huntertown 288
Wolf Creek near Argos 289
Wolf Creek near Kouts 290
Woods Ditch near Frankfort 268
Yeager Finley Manard Ditch near Gaston 271
Yellow Creek at Dunlap 286
Yellow River at Knox 236
Yellow River at Plymouth 235
Yellow River near Bremen 234
Youngs Creek near Edinburgh 163
Youngs Creek near Greenbrier 283