

In cooperation with the
Ohio Department of Natural Resources, Division of Water

Low-Flow Characteristics of Streams in Ohio through Water Year 1997

Water-Resources Investigations Report 01-4140



Scioto River north of Bellepoint, Ohio (view to the north, from Ostrander Road bridge;
photo by R.P. Frehs, U.S. Geological Survey)

U.S. Department of the Interior
U.S. Geological Survey

Low-Flow Characteristics of Streams in Ohio through Water Year 1997

By David E. Straub

Water-Resources Investigations Report 01-4140

In cooperation with the
Ohio Department of Natural Resources, Division of Water

U.S. Department of the Interior
GALE A. NORTON, Secretary

U.S. Geological Survey
Charles G. Groat, Director

Any use of trade, product, or firm names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

For additional information write to:

District Chief
U.S. Geological Survey
6480 Doubletree Avenue
Columbus, OH 43229-1111

Copies of this report can be purchased from:

U.S. Geological Survey
Branch of Information Services
Box 25286
Denver, CO 80225-0286

Or call: 1-888-ASK-USGS

Columbus, Ohio
2001

CONTENTS

Abstract	1
Introduction	1
Purpose and scope	2
Previous studies	2
Low-flow characteristics	2
Long-term continuous-record gaging stations	3
Frequency analysis.....	4
Duration analysis	7
Harmonic mean flow	7
Low-flow partial-record gaging stations	8
Considerations for use of low-flow characteristics	8
References cited.....	9
Appendixes	10

Figures

1. Map showing location of long-term continuous record streamflow-gaging stations in Ohio.....	3
2. Map showing location of low-flow partial record streamflow-gaging stations in Ohio	4
3-6. Graphs showing:	
3. Part of the annual hydrograph showing lowest 7-day daily streamflow for the 1988 climatic year for Little Beaver Creek near East Liverpool, Ohio.....	5
4. Annual minimum 7-day average streamflow for the period 1917-97 for Little Beaver Creek near East Liverpool, Ohio	5
5. Log-Pearson Type III frequency distributions for each <i>N</i> -day analysis for Little Beaver Creek near East Liverpool, Ohio, for period of record 1917-97.....	6
6. Flow-duration curve for Little Beaver Creek near East Liverpool, Ohio, for streamflow data from 1917-97	7
7. Data and technique used to estimate low-flow characteristics at a partial-record station from known flow characteristics of an index station in Ohio	8

CONVERSION FACTORS, ABBREVIATIONS, AND DEFINITIONS

Multiply	By	To obtain
foot (ft)	0.3048	meter
mile (mi)	1.609	kilometer
square mile (mi ²)	2.590	square kilometer
cubic foot per second (ft ³ /s)	0.02832	cubic meter per second

Other abbreviations used in this report:

- LFPR** Low-flow partial record
LTCR Long-term continuous record
USGS U.S. Geological Survey

Climatic year. The climatic year is a continuous 12-month period from April 1 to March 31 and is designated by the calendar year during which most of the 12 months occur.

Water year. In USGS reports dealing with surface-water supply, the water year is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1980, is called water year 1980.

Low-Flow Characteristics of Streams in Ohio through Water Year 1997

By David E. Straub

Abstract

This report presents selected low-flow and flow-duration characteristics for 386 sites throughout Ohio. These sites include 195 long-term continuous-record stations with streamflow data through water year 1997 (October 1 to September 30) and for 191 low-flow partial-record stations with measurements into water year 1999. The characteristics presented for the long-term continuous-record stations are minimum daily streamflow; average daily streamflow; harmonic mean flow; 1-, 7-, 30-, and 90-day minimum average low flow with 2-, 5-, 10-, 20-, and 50-year recurrence intervals; and 98-, 95-, 90-, 85-, 80-, 75-, 70-, 60-, 50-, 40-, 30-, 20-, and 10-percent daily duration flows. The characteristics presented for the low-flow partial-record stations are minimum observed streamflow; estimated 1-, 7-, 30-, and 90-day minimum average low flow with 2-, 10-, and 20-year recurrence intervals; and estimated 98-, 95-, 90-, 85- and 80-percent daily duration flows. The low-flow frequency and duration analyses were done for three seasonal periods (warm weather, May 1 to November 30; winter, December 1 to February 28/29; and autumn, September 1 to November 30), plus the annual period based on the climatic year (April 1 to March 31).

Introduction

Streamflow characteristics are used by engineers and water-resource managers to design hydraulic struc-

tures, to determine the availability of water for industrial or municipal supply, to establish waste-disposal limitations, and to assess aquatic habitats. Most hydraulic structures are designed with an emphasis on high-flow characteristics, because these structures need to be able to accommodate high-magnitude flows. In terms of water supply, waste disposal, and aquatic habitats, low-flow characteristics are needed. The amount of streamflow is a critical element for making decisions about water resources and preventing actions harmful to water quality and aquatic life. Many agencies use low-flow characteristics such as the minimum 7-day average streamflow with a 10-year recurrence interval ($7Q_{10}$), or the harmonic mean flow as target conditions or thresholds for making regulatory decisions.

Streamflow characteristics usually are computed from statistical analyses of daily streamflow data. The U.S. Geological Survey (USGS), in cooperation with other agencies, has collected daily streamflow data in Ohio since 1898. The last compilation of low-flow characteristics published for Ohio contained statistics on streamflow data collected through water year 1978 (Johnson and Metzker, 1981). A considerable amount of additional streamflow data has been collected in the interim period (streamflow data from water years 1978–97), including data for sites not listed in the last compilation. Changes in assessment practices have resulted in a shift from the routinely computed low-flow characteristics. The 90-day low flow and the harmonic mean flow are two characteristics that were not included in the last compilation but have become important to the water-resources community.

In order to take advantage of the expanded data base and to address the needs for a slightly different set of low-flow characteristics, the USGS, in coopera-

tion with the Ohio Department of Natural Resources, Division of Water, updated Ohio's low-flow characteristics. Additional streamflow data were collected at previously listed sites (as much as 19 years of data) and some new sites that have been established since 1978. The additional years of data should increase the reliability of the long-term statistics for the sites.

Purpose and scope

The purpose of this report is to provide a concise, up-to-date source of low-flow characteristics commonly used by the water-resources community. This report presents minimum daily streamflow; average daily streamflow; harmonic mean flow; 1-, 7-, 30-, and 90-day minimum average low flow with 2-, 5-, 10-, 20-, and 50-year recurrence intervals; and 98-, 95-, 90-, 85-, 80-, 75-, 70-, 60-, 50-, 40-, 30-, 20-, and 10-percent daily duration flows for sites in Ohio with at least 10 years of daily streamflow record. For applicable partial-record streamflow-gaging stations, this report presents minimum observed streamflow; estimated 1-, 7-, 30-, and 90-day minimum average low flow with 2-, 10-, and 20-year recurrence intervals; and estimated 98-, 95-, 90-, 85- and 80-percent daily duration flows.

Previous studies

Antilla (1970) computed low-flow characteristics (7-day annual minimum mean discharge with 2-, 10-, and 20-year recurrence intervals) for 180 sites having 10 or more years of systematic unregulated streamflow record prior to 1967. Johnson and Metzker (1981) updated and extended Antilla's work and presented annual and seasonal low-flow characteristics including 1-, 7-, and 30-day average minimum streamflow with 2-, 5-, 10-, 20-, and 50-year recurrence intervals and 98-, 95-, 90-, 85-, 80-, 70-, 60-, 50-, 40-, 30-, 20-, and 10-percent daily duration flows for 156 long-term continuous-record gaging stations and developed models for regionalizing the information. Johnson and Metzker (1981) also presented the estimated 7- and 30-day average minimum discharge for 2- and 10-year recurrence intervals and the estimated 98-, 95-, 90-, 85-, and 80-percent daily duration flow for 81 partial-record streamflow stations. Schwartz (1984) estimated the 7-day minimum average flow with 2- and 10-year recurrence intervals and the 90-percent daily duration flow for 67 low-flow partial-record stations where base-flow measurements were made during 1978–81.

Koltun and Schwartz (1986) developed multiple-regression equations, based primarily on 132 sites from the Johnson and Metzker (1981) report, for estimating low flows at ungaged sites. States surrounding Ohio, such as Indiana (Fowler and Wilson, 1996) and Pennsylvania (Schreffler, 1998), also have similar low-flow reports.

Low-flow characteristics

Low-flow characteristics commonly used by water-resource managers are based on frequency and duration analyses presented by Riggs (1968a, 1968b, and 1972) and Searcy (1959). Another low-flow characteristic that has gained acceptance for regulatory purposes is the harmonic mean flow presented by Rossman (1990a, b). Generally, the low-flow characteristics are determined at a particular site from long-term daily streamflow data; however, low-flow characteristics can also be adequately defined at sites that have partial record (sites that have short-term daily streamflow data or measurements of base flows) by means of a technique sometimes referred to as the index-station method. At sites where no streamflow information is available, low-flow characteristics can be estimated by a regionalization technique presented by Riggs (1972). Use of the regionalization technique, however, is beyond the scope of this report.

Low-flow characteristics usually are defined on an annual basis commonly referred to as a "climatic year." The climatic year is a continuous 12-month period from April 1 to March 31 and is designated by the calendar year during which most of the 12 months occur. The climatic year encompasses the low-water period of the hydrologic cycle and is used to prevent the annual low-flow cycle from being artificially placed in separate years. Water-resource managers are sometimes interested in low-flow characteristics of other seasonal periods. Three other seasonal periods were considered in this study: warm weather, from May 1 to November 30; winter, from December 1 to February 28/29; and autumn, from September 1 to November 30.

For the purposes of this study, streamflow-gaging stations were divided into two categories. The first category, called long-term continuous-record (LTCR) stations, includes sites where daily streamflow data have been systematically recorded for 10 or more years. The second, called low-flow partial-record (LFPR) stations, includes sites where sparse low-flow

for the site are used only when 10 or more years of homogeneous record (with respect to regulation) have been collected. The most recent homogeneous period of record for each station was used to compute the frequency and duration statistics, harmonic mean flow, and mean flow. The low-flow statistics of 195 LTRC streamflow-gaging stations throughout Ohio are presented in Appendix C.

Frequency analysis. Frequency analyses of daily streamflow data are used to relate the magnitude of extreme events (floods or droughts) to their frequency of occurrence. The magnitude of an extreme event is inversely related to its frequency of occurrence; very severe events happen less frequently than more moderate events. Traditionally, the events used for low-flow frequency analyses are the annual minimum average *N*-day period where *N* can equal any

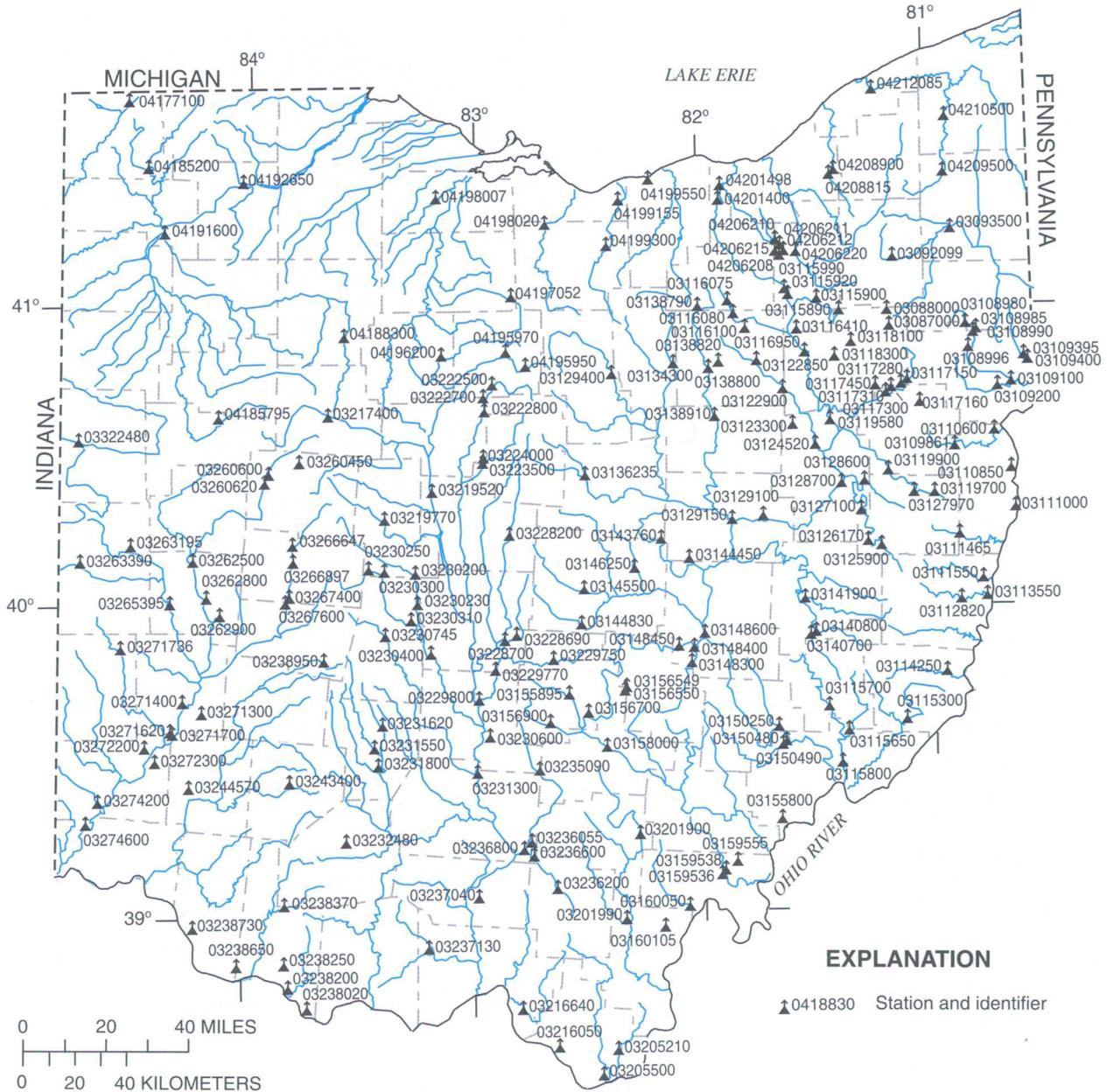


Figure 2. Location of low-flow partial-record streamflow-gaging stations in Ohio.

number from 1 to 365. The annual minimum average N -day period is used because successive observations of the variable being analyzed should be independent from year to year. The most common event used to compute low-flow characteristics is the annual minimum 7-day average streamflow. An example of the minimum 7-day average streamflow for Little Beaver Creek near East Liverpool (03109500) is illustrated in figure 3.

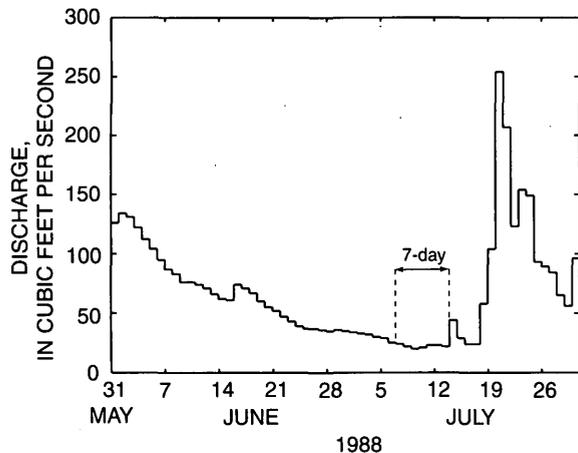


Figure 3. Part of the annual hydrograph showing lowest 7-day daily streamflow for the 1988 climatic year for Little Beaver Creek near East Liverpool, Ohio (03109500).

The probability or recurrence interval of obtaining the N -day average streamflow of equal or lesser magnitude is determined from the daily streamflow data. The annual probability that a value is not exceeded commonly is referred to as an annual nonexceedance probability. Generally, it is common practice to report the nonexceedance probability in terms of the average period of time between recurrences (called recurrence interval), in years. The recurrence interval is determined by taking the reciprocal of the nonexceedance probability. For example, a minimum 7-day average flow with an annual nonexceedance probability of 0.1 has a recurrence interval of 10 years (hereafter referred to as the 7-day 10-year low flow and designated as $7Q_{10}$).

Unfortunately, the practice of reporting annual nonexceedance probabilities as recurrence intervals frequently leads to confusion and misinterpretation. A 10-year recurrence interval does not imply that the value will have a nonexceedance every 10 years. It does, however, indicate that the average time between

recurrences is equal to 10 years. Therefore, an observed interval between nonexceedance of the $7Q_{10}$ may be as short as 1 year or may be considerably longer than 10 years. The annual minimum 7-day average streamflows for the period of record used in this study as well as the $7Q_2$, $7Q_{10}$, and $7Q_{50}$ for Little Beaver Creek at East Liverpool (03109500) are shown in figure 4.

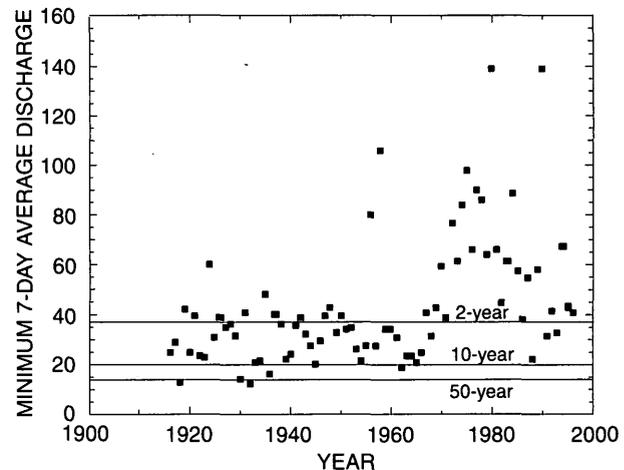


Figure 4. Annual minimum 7-day average streamflow for the period 1917-97 for Little Beaver Creek near East Liverpool, Ohio (03109500).

Frequency analyses were based on daily streamflow data collected at the LTRC sites. The frequency analysis can be done graphically or mathematically. Regardless of which technique is used, an N -day low-flow frequency analysis involves determining the minimum N -day average flow in each climatic year (or season). If the analyses are done graphically, then the annual (or seasonal) N -day low flows are sorted and ranked in ascending order. Recurrence intervals are assigned to each of the annual N -day low flows on the basis of the equation

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

where RI is the recurrence interval in years, n is the number of years of record, and m is the numerical rank of the annual (or seasonal) N -day low flow. The annual (or seasonal) N -day low flows then are plotted against their corresponding recurrence intervals on a log-probability scale. Finally, a smooth curve is drawn through the points to define the relation between the N -day low flows and the recurrence intervals.

If the analyses are done mathematically, the annual (or seasonal) N -day low-flow data are fit to a theoretical frequency distribution. A log-Pearson Type III distribution was used for this study because it was found to match the graphical curve fairly well (Matalas, 1963) and is used widely to describe low-flow frequency curves. The log-Pearson Type III distribution can be represented by the equation

$$\log(Q_t) = \bar{X} + K_t S, \quad (2)$$

where Q_t is the N -day low flow, t is the recurrence interval in years, \bar{X} is the mean of the base 10 logarithms of the annual (or seasonal) N -day low flows, K_t is the frequency factor that is a function of the recurrence interval and the coefficient of skew, and S is the standard deviation of the base 10 logarithms of the annual (or seasonal) N -day flows.

Basin characteristics can affect frequency analyses in different ways. Therefore, no single theoretical frequency distribution can adequately describe all low-flow frequency curves (Riggs, 1972). The log-Pearson Type III distribution was compared visually to the graphical plot of the annual (or seasonal) N -day low flows against their corresponding recurrence intervals. When the log-Pearson Type III frequency distribution did not fit the graphical curve, the graphical curve was used in place of the log-Pearson Type III estimates.

An example of the low-flow frequency plots for Little Beaver Creek near East Liverpool, Ohio (03109500), is shown in figure 5. The lines drawn through the data are graphical representations of the log-Pearson Type III equations determined for selected N -day durations. The USGS program SWSTAT (Surface-Water Statistics, which are partially described by Flynn and others, 1995, and Lumb and others, 1990)

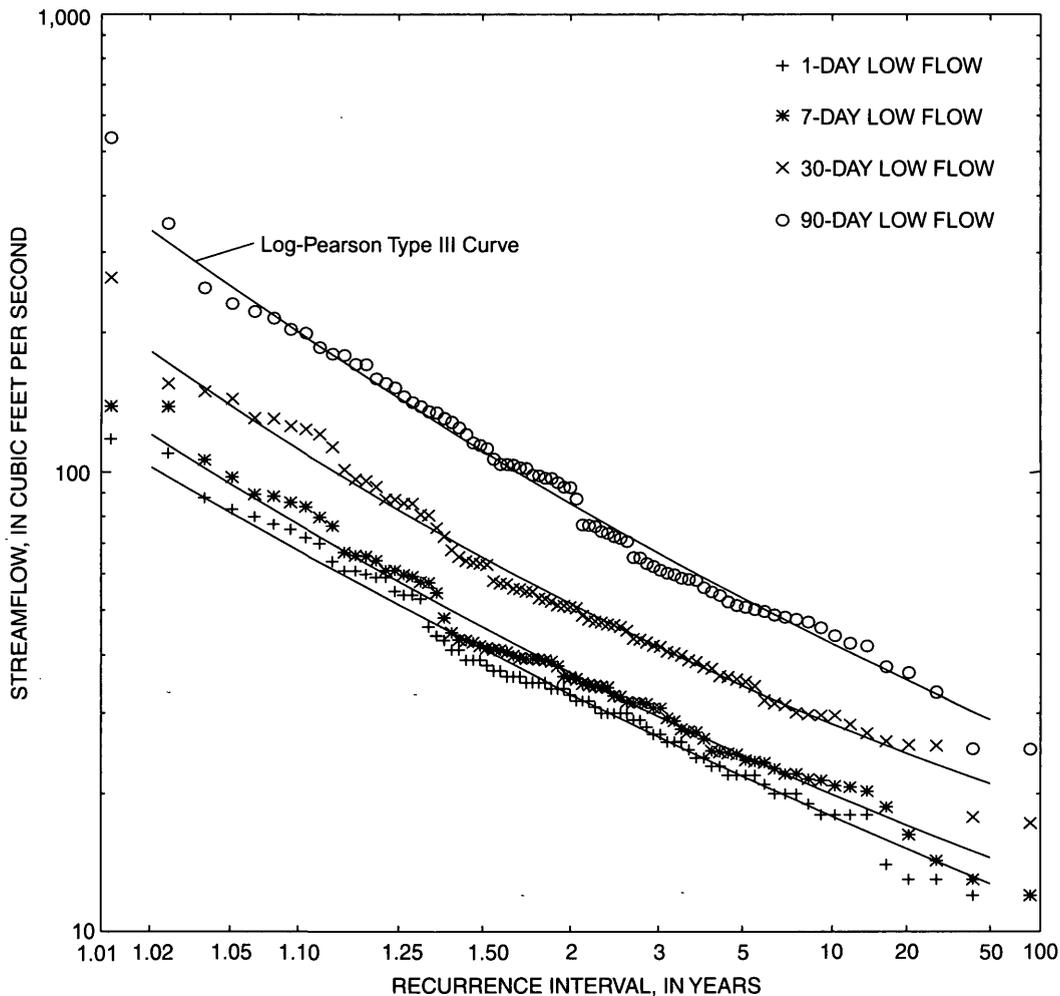


Figure 5. Log-Pearson Type III frequency distributions for each N -day analysis for Little Beaver Creek near East Liverpool, Ohio (03109500), for period of record 1917-97.

was used to perform low-flow frequency analyses for this report.

Duration analysis. A flow-duration curve is a cumulative frequency curve that shows the percentage of time that specified streamflows are equaled or exceeded during a given period (Searcy, 1959). Flow-duration curves are computed by placing all daily streamflows of a site into classes according to their magnitude and calculating the percentage of time each class is equaled or exceeded. A smooth curve then is drawn through a plot of points of the average discharge per class in relation to the percent of time during which they were equaled or exceeded. The USGS program SWSTAT was used to perform flow-duration analyses for this study. The flow-duration curve of the streamflow data from 1917–97 for Little Beaver Creek near East Liverpool, Ohio, is shown in figure 6.

The flow-duration curve is a cumulative frequency curve of the flows for the period of data used and does not represent the distribution of yearly flows. The duration curve is a summary of the past hydrologic events. However, if the streamflow during the period on which the duration curve is based represents

the long-term flow of the stream, the curve may be considered a probability curve and may be used to estimate the percentage of time that a specific streamflow will be equaled or exceeded in the future.

Harmonic mean flow. Water-resource managers of Ohio are becoming interested in a streamflow characteristic known as the human-health design flow presented by Rossman (1990a and 1990b). This characteristic is based simply on the harmonic mean flow of the stream and is used for constant rate of contaminant loading limitations. The exposure concentration on days with low flow will be greater, and, therefore, proportionally more detrimental, than on days with higher flows. The harmonic mean flow generally is smaller than the corresponding arithmetic mean flow, gives greater weight to low daily mean flows, and also takes into account the possibilities of days with zero flow. For these reasons, this characteristic has gained favor by water-resource managers for biologically based design flows.

The reported harmonic mean flow of each site is a weighted average of the harmonic mean of the non-zero daily mean flows. The weighted average is sim-

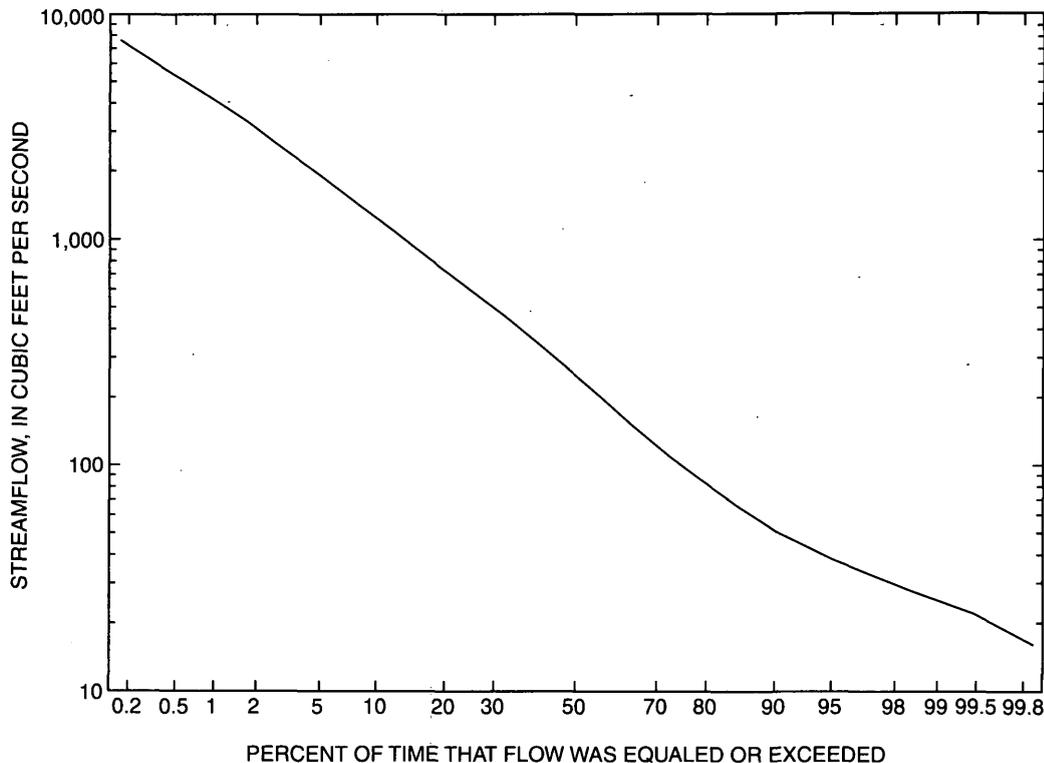


Figure 6. Flow-duration curve for Little Beaver Creek near East Liverpool, Ohio (03109500) for streamflow data from 1917–97.

ply the fraction of the number of non-zero days to the total number of days in the period of record. The harmonic mean flow is computed with the formula

$$MH = \frac{n}{\sum \left(\frac{1}{x}\right)} \left(\frac{n}{N}\right), \quad (3)$$

where MH is the harmonic mean flow, n is the number of non-zero daily mean streamflows, x is the non-zero daily mean streamflows, and N is the total number of daily mean streamflows for the period of record. The harmonic mean flow and the arithmetic mean flow are presented for the 195 long-term continuous-record stations in Appendix C.

Low-flow partial-record gaging stations

Frequency and duration curves generally are not determined for partial-record stations because insufficient streamflow data are available. However, low-flow characteristics can be estimated by use of graphical and(or) mathematical techniques presented by Riggs (1972) and Stedinger and Thomas (1985). Both techniques define a linear relation between concurrent daily flows at an LTCR station (index station) and measurements of base flow at an LFPR station. The linear relation is used to transfer the low-flow characteristics of the index station to the partial-record sta-

tion (fig. 7). If the partial-record station has some continuous record, daily mean flows during base-flow conditions can be substituted for streamflow measurements. Ideally, the index station should have similar basin characteristics and be located in close proximity to the low-flow partial-record station. Also, effects on streamflow by humans at both sites should be minimal. If the effects of humans are minimal, then the low-flow characteristics can be transferred.

The technique used in this study plots the log transformation of the concurrent base flows and either graphically defines a linear relation between the two stations or applies a least-squares regression analysis. Stedinger and Thomas (1985) recommend at least 10 base flows from a period greater than 1 year and at least a 0.7 correlation coefficient for the relation between the two stations.

The linear relation of streamflow between the index station Little Beaver Creek at East Liverpool, Ohio (03109500), and the low-flow partial-record station Cherry Valley Run at Leetonia, Ohio (03108985), is shown in figure 7 to illustrate the technique described above. Twelve streamflow measurements were collected at Cherry Valley Run over a 4-year period and have a 0.95 correlation coefficient with the concurrent daily flows at Little Beaver Creek. If possible, the streamflow data should cover the range of discharges of the low-flow characteristics of the index station. The linear relation of the two stations can be extended to determine low-flow characteristics that are not covered by the range of streamflow data. The low-flow characteristics of 191 LFPR stations throughout Ohio are presented in Appendix C.

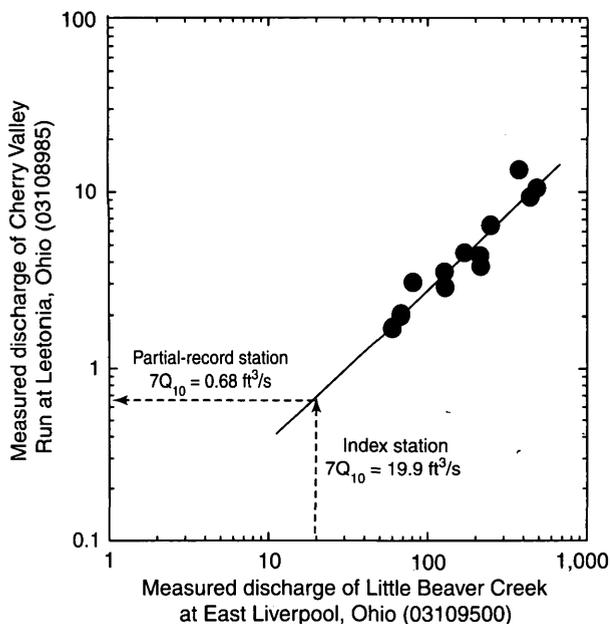


Figure 7. Data and technique used to estimate low-flow characteristics at a partial-record station from known flow characteristics of an index station in Ohio.

Considerations for use of low-flow characteristics

The low-flow characteristics presented in this report are based either on direct interpretation from daily-mean streamflow data (LTCR stations) or transferred through a linear relation between an index station and a partial-record station (LFPR stations). The accuracy of low-flow characteristics increases with the length of record. Because LTCR stations usually have longer periods of record, their low-flow characteristics generally are more reliable than characteristics of LFPR stations. Whether a drought is included or excluded in the period of record can have significant effects on the low-flow characteristics. For example, compare two LTCR stations on the Little Muskingum River. The first station is Little Muskingum River at Bloomfield

(03115400), which has a $7Q_{10}$ of $0.3 \text{ ft}^3/\text{s}$, a 210-mi^2 drainage area, and 25 years of record collected during 1958–81 and 1995–97. (This station was discontinued during 1981–95, so only 25 years of complete stream-flow record were available for this analysis.) The second station is Little Muskingum River at Fay (03115500), which has a $7Q_{10}$ of $0 \text{ ft}^3/\text{s}$, a 259-mi^2 drainage area, and 11 years of record collected during 1915–18 and 1925–35. (This station was discontinued during 1918–25, so only 11 years of complete stream-flow record were available for this analysis.) One might expect a greater $7Q_{10}$ from the larger of the two drainage areas. However, according to Sherwood (1991), a drought spanned most of the period of record at Fay and only about half the period of record at Bloomfield. The station at Fay indicates a lower $7Q_{10}$, but the Bloomfield station may be more representative of the low-flow characteristics because of the longer period of record.

Low-flow partial-record stations provide estimates of low-flow characteristics at stations with less than 10 years of record, but the accuracy of the flow characteristics depends primarily on how well the base-flow relation is defined, how far that relation is extrapolated, and how reliable the flow characteristics of the index station are. A third station, Little Muskingum River near Rinard Mills (03115300), with a drainage area of 130 mi^2 , has a $7Q_{10}$ of $0.2 \text{ ft}^3/\text{s}$. The flow characteristics at Rinard Mills are based on 12 base-flow measurements during 1972–77 with a correlation coefficient of 0.98 with the index station Little Muskingum River at Bloomfield. Although the drainage area is about half the size as Little Muskingum River at Fay and the $7Q_{10}$ is larger, this flow characteristic is based primarily on the flow characteristics of Little Muskingum River at Bloomfield. Knowledge of a basin and the period of record used should be carefully considered when using low-flow characteristics from this report.

References cited

- Antila, P.W., 1970, A proposed streamflow data program for Ohio: U.S. Geological Survey Open-File Report, 62 p.
- Flynn, K.M., Hummel, P.R., Lumb, A.M., and Kittle, J.L., Jr., 1995, User's manual for ANNIE, version 2, a computer program for interactive hydrologic data management: U.S. Geological Survey Water-Resources Investigations Report 95-4085, 211 p.
- Fowler, K.K., and Wilson, J.T., 1996, Low-flow characteristics of Indiana streams: U.S. Geological Survey Water-Resources Investigation Report 96-4128, 200 p.
- Johnson, D.P., and Metzker, K.D., 1981, Low-flow characteristics of Ohio streams: U.S. Geological Survey Open-File Report 81-1195, 285 p.
- Koltun, G.F., and Schwartz, R.R., 1986, Multiple-regression equations for estimating low flows at ungaged stream sites in Ohio: U.S. Geological Survey Water-Resources Investigations Report 86-4354, p. 39.
- Lumb, A.M., Kittle, J.L., Jr., and Flynn, K.M., 1990, User's manual for ANNIE, a computer program for interactive hydrologic analysis and data management: U.S. Geological Survey Water-Resources Investigations Report 89-4080, 236 p.
- Matalas, N.C., 1963, Probability distribution of low flows: U.S. Geological Survey Professional Paper 434-A, 27 p.
- Riggs, H.C., 1968a, Some statistical tools in hydrology: U.S. Geological Survey Techniques of Water-Resources Investigations, book 4, chap. A1, 39 p.
- _____, 1968b, 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.
- Rossmann, L.A., 1990a, DFLOW user's manual: Cincinnati, Ohio, U.S. Environmental Protection Agency, Risk Reduction Engineering Laboratory, 26 p.
- _____, 1990b, Design streamflows based on harmonic means: American Society of Civil Engineers Journal of Hydraulic Engineering, v. 116, no. 7, p. 946-950.
- Schreffler, C.L., 1998, Low-flow statistics of selected streams in Chester County, Pennsylvania: U.S. Geological Survey Water-Resources Investigations Report 98-4117, 43 p.
- Schwartz, R.R., 1984, Low-flow data for selected partial-record stations in Ohio: U.S. Geological Survey Open-File Report 84-824 (supplement to U.S. Geological Survey Open-file Report 81-1195), 13 p.
- Searcy, J.K., 1959, Flow-duration curves—Manual of hydrology, part 2, Low flow techniques: U.S. Geological Survey Water-Supply Paper 1452-A, 33 p.
- Sherwood, J.M., 1991, National Water Summary, 1988–89—Floods and droughts: U.S. Geological Survey Water-Supply Paper 2375, p. 443-450.
- 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.

APPENDIXES A AND B

A. List of low-flow sites in Ohio in numerical order by station number

B. List of low-flow sites in Ohio in alphabetical order by station name

Appendix A. List of low-flow sites in Ohio in numerical order by station number

[LTCR is long-term continuous-record stations, LFPR is low-flow partial-record stations]

Station no.	Station name	Station type	Page no.
03086500	Mahoning River at Alliance	LTCR	30
03087000	Beech Creek near Bolton	LFPR	31
03088000	Deer Creek at Limaville	LFPR	32
03089500	Mill Creek near Berlin Center	LTCR	33
03090500	Mahoning River below Berlin Dam, near Berlin Center	LTCR	34
03091500	Mahoning River at Pricetown	LTCR	35
03092000	Kale Creek near Pricetown	LTCR	36
03092090	West Branch Mahoning River near Ravenna	LTCR	37
03092099	Hinkley Creek at Charlestown	LFPR	38
03092460	West Branch Mahoning River below Michael J. Kirwan Dam, at Wayland	LTCR	39
03092500	West Branch Mahoning River near Newton Falls	LTCR	40
03093000	Eagle Creek at Phalanx Station	LTCR	41
03093500	Duck Creek at Leavittsburg	LFPR	42
03094000	Mahoning River at Leavittsburg	LTCR	43
03095500	Mosquito Creek below Mosquito Creek Dam, near Cortland	LTCR	44
03097500	Meander Creek at Mineral Ridge	LTCR	45
03098000	Mahoning River at Youngstown	LTCR	46
03098500	Mill Creek at Youngstown	LTCR	47
03099500	Mahoning River at Lowellville	LTCR	48
03102950	Pymatuning Creek at Kinsman	LTCR	49
03108980	Middle Fork Little Beaver Creek near Salem	LFPR	50
03108985	Cherry Valley Run at Leetonia	LFPR	51
03108990	East Branch Middle Fork Little Beaver Creek at Leetonia	LFPR	52
03108996	Middle Fork Little Beaver Creek at Teegarden	LFPR	53
03109000	Lisbon Creek at Lisbon	LTCR	54
03109100	Middle Fork Little Beaver Creek near Rogers	LFPR	55
03109200	West Fork Little Beaver Creek at West Point	LFPR	56
03109395	Bull Creek at Negley	LFPR	57
03109400	North Fork Little Beaver Creek near Negley	LFPR	58
03109500	Little Beaver Creek near East Liverpool	LTCR	59
03109861	Yellow Creek at Bergholz	LFPR	60
03110000	Yellow Creek near Hammondsville	LTCR	61
03110600	North Fork Yellow Creek at Hammondsville	LFPR	62
03110850	Island Creek near Toronto	LFPR	63
03111000	Cross Creek at Mingo Junction	LFPR	64
03111465	Short Creek at Adena	LFPR	65
03111500	Short Creek near Dillonvale	LTCR	66
03111548	Wheeling Creek below Blaine	LTCR	67
03111550	Wheeling Creek at Brookside	LFPR	68
03112820	McMahon Creek at Glencoe	LFPR	69
03113550	McMahon Creek at Bellaire	LFPR	70
03114000	Captina Creek at Armstrongs Mills	LTCR	71

Appendix A. List of low-flow sites in Ohio in numerical order by station number

[LTCR is long-term continuous-record stations, LFPR is low-flow partial-record stations]

Station no.	Station name	Station type	Page no.
03114250	Sunfish Creek at Cameron	LFPR	72
03115300	Little Muskingum River near Rinard Mills	LFPR	73
03115400	Little Muskingum River at Bloomfield	LTCR	74
03115500	Little Muskingum River at Fay	LTCR	75
03115650	East Fork Duck Creek at Lower Salem	LFPR	76
03115700	West Fork Duck Creek at Dexter City	LFPR	77
03115800	Duck Creek at Stanleyville	LFPR	78
03115890	Tuscarawas River at Uniontown	LFPR	79
03115900	Tuscarawas River near East Liberty	LFPR	80
03115920	Tuscarawas River at Barberton	LFPR	81
03115990	Wolf Creek near Barberton	LFPR	82
03116000	Tuscarawas River at Clinton	LTCR	83
03116075	Chippewa Creek at Seville	LFPR	84
03116080	Chippewa Creek at Sterling	LFPR	85
03116100	Little Chippewa Creek near Smithville	LFPR	86
03116200	Chippewa Creek at Easton	LTCR	87
03116410	Nimisila Creek near Canal Fulton	LFPR	88
03116950	Newman Creek near Massillon	LFPR	89
03117000	Tuscarawas River at Massillon	LTCR	90
03117150	Sandy Creek at Minerva	LFPR	91
03117160	Still Fork near Minerva	LFPR	92
03117280	Hugle Run near Malvern	LFPR	93
03117300	Sandy Creek at Malvern	LFPR	94
03117310	Pipe Run at Malvern	LFPR	95
03117450	Little Sandy Creek near Robertsville	LFPR	96
03117500	Sandy Creek at Waynesburg	LTCR	97
03118000	Middle Branch Nimishillen Creek at Canton	LTCR	98
03118100	East Branch Nimishillen Creek near Canton	LFPR	99
03118300	West Branch Nimishillen Creek at Canton	LFPR	100
03118500	Nimishillen Creek at North Industry	LTCR	101
03119580	Tuscarawas River at Zoar	LFPR	102
03119700	Conotton Creek at Jewett	LFPR	103
03119900	Conotton Creek at Leesville	LFPR	104
03120500	McGuire Creek below Leesville Dam, near Leesville	LTCR	105
03122500	Tuscarawas River below Dover Dam, near Dover	LTCR	106
03122850	Sugar Creek near Orrville	LFPR	107
03122900	Sugar Creek near West Lebanon	LFPR	108
03123000	Sugar Creek above Beach City Dam, at Beach City	LTCR	109
03123300	South Fork Sugar Creek at Dundee	LFPR	110
03124000	Sugar Creek below Beach City Dam, near Beach City	LTCR	111
03124500	Sugar Creek at Strasburg	LTCR	112
03124520	Sugar Creek at Dover	LFPR	113
03125000	Home Creek near New Philadelphia	LTCR	114

Appendix A. List of low-flow sites in Ohio in numerical order by station number

[LTCR is long-term continuous-record stations, LFPR is low-flow partial-record stations]

Station no.	Station name	Station type	Page no.
03125900	Boggs Fork at Piedmont	LFPR	115
03126000	Stillwater Creek at Piedmont	LTCR	116
03126170	Skull Fork at Freeport	LFPR	117
03127000	Stillwater Creek at Tippecanoe	LTCR	118
03127100	Crooked Creek near Stillwater	LFPR	119
03127500	Stillwater Creek at Uhrichsville	LTCR	120
03127970	Clear Fork Tributary near Hanover	LFPR	121
03128500	Little Stillwater Creek below Tappan Dam, at Tappan	LTCR	122
03128600	Little Stillwater Creek near Dennison	LFPR	123
03128700	Tuscarawas River at Tuscarawas	LFPR	124
03129000	Tuscarawas River at Newcomerstown	LTCR	125
03129100	White Eyes Creek near Fresno	LFPR	126
03129150	Tuscarawas River at Coshocton	LFPR	127
03129400	Black Fork above Charles Mill Dam, near Mifflin	LFPR	128
03130000	Black Fork below Charles Mill Dam, near Mifflin	LTCR	129
03130500	Touby Run at Mansfield	LTCR	130
03131500	Black Fork at Loudonville	LTCR	131
03132000	Clear Fork at Butler	LTCR	132
03133500	Clear Fork below Pleasant Hill Dam, near Perrysville	LTCR	133
03134000	Jerome Fork at Jeromesville	LTCR	134
03134300	Muddy Fork near Rowsburg	LFPR	135
03135000	Lake Fork below Mohicanville Dam, near Mohicanville	LTCR	136
03136000	Mohican River at Greer	LTCR	137
03136235	Kokosing River near Mount Vernon	LFPR	138
03136500	Kokosing River at Mount Vernon	LTCR	139
03137000	Kokosing River at Millwood	LTCR	140
03138500	Walhouding River below Mohawk Dam, at Nellie	LTCR	141
03138790	Killbuck Creek at Burbank	LFPR	142
03138800	Killbuck Creek at Wooster	LFPR	143
03138820	Apple Creek at Wooster	LFPR	144
03138910	Salt Creek at Holmesville	LFPR	145
03139000	Killbuck Creek at Killbuck	LTCR	146
03140000	Mill Creek near Coshocton	LTCR	147
03140500	Muskingum River near Coshocton	LTCR	148
03140700	Buffalo Fork at Pleasant City	LFPR	149
03140800	Buffalo Creek at Pleasant City	LFPR	150
03141500	Seneca Fork below Senecaville Dam, near Senecaville	LTCR	151
03141900	Leatherwood Creek near Cambridge	LFPR	152
03142000	Wills Creek at Cambridge	LTCR	153
03143500	Wills Creek below Wills Creek Dam, at Wills Creek	LTCR	154
03143760	Wakatomika Creek near Perryton	LFPR	155
03144000	Wakatomika Creek near Frazeyburg	LTCR	156
03144450	Opossum Run Tributary near Wakatomika	LFPR	157

Appendix A. List of low-flow sites in Ohio in numerical order by station number

[LTCR is long-term continuous-record stations, LFPR is low-flow partial-record stations]

Station no.	Station name	Station type	Page no.
03144500	Muskingum River at Dresden	LTCR	158
03144830	South Fork Licking River near Millersport	LFPR	159
03145000	South Fork Licking River near Hebron	LTCR	160
03145500	Raccoon Creek near Granville	LFPR	161
03146000	North Fork Licking River at Utica	LTCR	162
03146250	North Fork Licking River above Newark	LFPR	163
03146500	Licking River at Newark	LTCR	164
03147500	Licking River below Dillon Dam, near Dillon Falls	LTCR	165
03148300	Moxahala Creek at Roseville	LFPR	166
03148400	Moxahala Creek at Roberts	LFPR	167
03148450	Jonathan Creek at East Fultonham	LFPR	168
03148600	Moxahala Creek near Zanesville	LFPR	169
03149500	Salt Creek near Chandlersville	LTCR	170
03150000	Muskingum River at McConnelsville	LTCR	171
03150250	Meigs Creek near Beverly	LFPR	172
03150480	West Branch Wolf Creek near Waterford	LFPR	173
03150490	South Branch Wolf Creek near Waterford	LFPR	174
03155800	Little Hocking River near Little Hocking	LFPR	175
03155895	Hocking River at Union Street at Lancaster	LFPR	176
03156000	Hunters Run at Lancaster	LTCR	177
03156400	Hocking River at Lancaster	LTCR	178
03156549	Center Branch Rush Creek near Junction City	LFPR	179
03156550	Rush Creek near Junction City	LFPR	180
03156700	Rush Creek near Sugar Grove	LFPR	181
03156900	Clear Creek at Clearport	LFPR	182
03157000	Clear Creek near Rockbridge	LTCR	183
03157500	Hocking River at Enterprise	LTCR	184
03158000	Clear Fork near Logan	LFPR	185
03159000	Sunday Creek at Glouster	LTCR	186
03159500	Hocking River at Athens	LTCR	187
03159510	Hocking River below Athens	LTCR	188
03159536	West Branch Shade River at Chester	LFPR	189
03159538	Middle Branch Shade River near Chester	LFPR	190
03159540	Shade River near Chester	LTCR	191
03159555	East Branch Shade River near Tupper's Plains	LFPR	192
03160050	Leading Creek near Middleport	LFPR	193
03160105	Campaign Creek near Gallipolis	LFPR	194
03201600	Sandy Run above Big Four Hollow Creek near Lake Hope	LTCR	195
03201700	Big Four Hollow Creek near Lake Hope	LTCR	196
03201800	Sandy Run near Lake Hope	LTCR	197
03201900	Raccoon Creek near Prattsville	LFPR	198
03201990	Little Raccoon Creek near Vinton	LFPR	199
03202000	Raccoon Creek at Adamsville	LTCR	200

Appendix A. List of low-flow sites in Ohio in numerical order by station number

[LTCR is long-term continuous-record stations, LFPR is low-flow partial-record stations]

Station no.	Station name	Station type	Page no.
03205210	Indian Guyan Creek near Bradrick	LFPR	201
03205500	Symmec Creek at Getaway	LFPR	202
03216050	Ice Creek at Ironton	LFPR	203
03216640	Pine Creek near Wheelersburg	LFPR	204
03217400	Scioto River near Kenton	LFPR	205
03217500	Scioto River at LaRue	LTCR	206
03218000	Little Scioto River above Marion	LTCR	207
03218500	Little Scioto River at Sewage Treatment Plant, near Marion	LTCR	208
03219500	Scioto River near Prospect	LTCR	209
03219520	Fulton Creek near Radnor	LFPR	210
03219590	Bokes Creek near Warrensburg	LTCR	211
03219600	Eagon Run near Warrensburg	LTCR	212
03219770	Mill Creek near Broadway	LFPR	213
03220000	Mill Creek near Bellepoint	LTCR	214
03221000	Scioto River below O'Shaughnessy Dam, near Dublin	LTCR	215
03222500	Olentangy River near New Winchester	LFPR	216
03222700	Mud Run near Caledonia	LFPR	217
03222800	Flat Run near Caledonia	LFPR	218
03223000	Olentangy River at Claridon	LTCR	219
03223500	Whetstone Creek near Shawtown	LFPR	220
03224000	Shaw Creek at Shawtown	LFPR	221
03224500	Whetstone Creek near Ashley	LTCR	222
03225500	Olentangy River near Delaware	LTCR	223
03226800	Olentangy River near Worthington	LTCR	224
03227500	Scioto River at Columbus	LTCR	225
03228000	Scioto Big Run at Briggsdale	LTCR	226
03228200	Big Walnut Creek above Sunbury	LFPR	227
03228500	Big Walnut Creek at Central College	LTCR	228
03228690	Blacklick Creek near Brice	LFPR	229
03228700	Blacklick Creek near Groveport	LFPR	230
03228805	Alum Creek at Africa	LTCR	231
03229000	Alum Creek at Columbus	LTCR	232
03229500	Big Walnut Creek at Reese	LTCR	233
03229750	Walnut Creek near Carroll	LFPR	234
03229770	Walnut Creek near Groveport	LFPR	235
03229800	Walnut Creek near Ashville	LFPR	236
03230200	Big Darby Creek at Plain City	LFPR	237
03230230	Big Darby Creek near West Jefferson	LFPR	238
03230250	Little Darby Creek near Irwin	LFPR	239
03230300	Little Darby Creek at Chuckery	LFPR	240
03230310	Little Darby Creek at West Jefferson	LFPR	241
03230400	Big Darby Creek at Darbydale	LFPR	242
03230500	Big Darby Creek at Darbyville	LTCR	243

Appendix A. List of low-flow sites in Ohio in numerical order by station number

[LTCR is long-term continuous-record stations, LFPR is low-flow partial-record stations]

Station no.	Station name	Station type	Page no.
03230600	Hominy Creek at Circleville	LFPR	244
03230745	Deer Creek at US142 near London	LFPR	245
03230800	Deer Creek at Mount Sterling	LTCR	246
03230900	Deer Creek near Pancoastburg	LTCR	247
03231000	Deer Creek at Williamsport	LTCR	248
03231300	Kinnikinnick Creek near Kinnikinnick	LFPR	249
03231500	Scioto River at Chillicothe	LTCR	250
03231550	Paint Creek at Washington Court House	LFPR	251
03231620	East Fork Paint Creek near Bloomingburg	LFPR	252
03231800	Sugar Creek near Rock Mills	LFPR	253
03232000	Paint Creek near Greenfield	LTCR	254
03232470	Paint Creek below Paint Creek Dam, near Bainbridge	LTCR	255
03232480	Clear Creek near Hillsboro	LFPR	256
03232500	Rocky Fork near Barretts Mills	LTCR	257
03234000	Paint Creek near Bourneville	LTCR	258
03234300	Paint Creek at Chillicothe	LTCR	259
03234500	Scioto River at Higby	LTCR	260
03235000	Salt Creek at Tarlton	LTCR	261
03235090	Salt Creek at Adelphi	LFPR	262
03235500	Tar Hollow Creek at Tar Hollow State Park	LTCR	263
03236000	Salt Creek near Londonderry	LTCR	264
03236055	Middle Fork Salt Creek near Richmond Dale	LFPR	265
03236200	Little Salt Creek at Jackson	LFPR	266
03236600	Little Salt Creek near Richmond Dale	LFPR	267
03236800	Salt Creek at Richmond Dale	LFPR	268
03237040	Big Beaver Creek near Piketon	LFPR	269
03237130	Scioto Brush Creek at Otway	LFPR	270
03237280	Upper Twin Creek at McGaw	LTCR	271
03237500	Ohio Brush Creek near West Union	LTCR	272
03238020	Big Threemile Creek near Aberdeen	LFPR	273
03238200	Eagle Creek near Ripley	LFPR	274
03238250	Straight Creek near Higginsport	LFPR	275
03238370	East Fork White Oak Creek at Sardinia	LFPR	276
03238500	White Oak Creek near Georgetown	LTCR	277
03238650	Bullskin Creek near Felicity	LFPR	278
03238730	Big Indian Creek near Point Pleasant	LFPR	279
03238950	Little Miami River near South Charleston	LFPR	280
03240000	Little Miami River near Oldtown	LTCR	281
03240500	North Fork Massies Creek at Cedarville	LTCR	282
03241000	South Fork Massies Creek near Cedarville	LTCR	283
03241500	Massies Creek at Wilberforce	LTCR	284
03242050	Little Miami River near Spring Valley	LTCR	285
03242150	Caesar Creek near Xenia	LTCR	286

Appendix A. List of low-flow sites in Ohio in numerical order by station number

[LTCR is long-term continuous-record stations, LFPR is low-flow partial-record stations]

Station no.	Station name	Station type	Page no.
03242200	Anderson Fork near New Burlington	LTCR	287
03243400	Cowan Creek at Clinton County A.F.B.	LFPR	288
03244570	Turtle Creek at South Lebanon	LFPR	289
03245500	Little Miami River at Milford	LTCR	290
03246200	East Fork Little Miami River near Marathon	LTCR	291
03246500	East Fork Little Miami River at Williamsburg	LTCR	292
03247050	East Fork Little Miami River near Batavia	LTCR	293
03247500	East Fork Little Miami River at Perintown	LTCR	294
03255500	Mill Creek at Reading	LTCR	295
03257500	West Fork Mill Creek at Woodlawn	LTCR	296
03259000	Mill Creek at Carthage	LTCR	297
03260450	South Fork Great Miami River near Huntsville	LFPR	298
03260600	Great Miami River at Russells Point	LFPR	299
03260620	Muchinippi Creek near Russells Point	LFPR	300
03260700	Bokengehalas Creek near DeGraff	LTCR	301
03260800	Stony Creek near DeGraff	LTCR	302
03261500	Great Miami River at Sidney	LTCR	303
03261950	Loramie Creek near Newport	LTCR	304
03262000	Loramie Creek at Lockington	LTCR	305
03262500	Great Miami River at Piqua	LFPR	306
03262700	Great Miami River at Troy	LTCR	307
03262800	Lost Creek near Troy	LFPR	308
03262900	Honey Creek near New Carlisle	LFPR	309
03263000	Great Miami River at Taylorsville	LTCR	310
03263195	Swamp Creek at Versailles	LFPR	311
03263390	Greenville Creek near Coletown	LFPR	312
03264000	Greenville Creek near Bradford	LTCR	313
03265000	Stillwater River at Pleasant Hill	LTCR	314
03265395	Ludlow Creek at Ludlow Falls	LFPR	315
03266000	Stillwater River at Englewood	LTCR	316
03266500	Mad River at Zanesfield	LTCR	317
03266647	Mad River at Lippincott	LFPR	318
03266897	Kings Creek near Urbana	LFPR	319
03267000	Mad River near Urbana	LTCR	320
03267400	Cedar Run near Tremont City	LFPR	321
03267600	Chapman Creek at Tremont City	LFPR	322
03267900	Mad River at St. Paris Pike at Eagle City	LTCR	323
03268000	Buck Creek at New Moorefield	LTCR	324
03269500	Mad River near Springfield	LTCR	325
03270000	Mad River near Dayton	LTCR	326
03270500	Great Miami River at Dayton	LTCR	327
03270800	Wolf Creek at Trotwood	LTCR	328
03271000	Wolf Creek at Dayton	LTCR	329

Appendix A. List of low-flow sites in Ohio in numerical order by station number

[LTCR is long-term continuous-record stations, LFPR is low-flow partial-record stations]

Station no.	Station name	Station type	Page no.
03271300	Holes Creek near Kettering	LFPR	330
03271400	Bear Creek at Ellerton	LFPR	331
03271500	Great Miami River at Miamisburg	LTCR	332
03271620	Great Miami River at Franklin	LFPR	333
03271700	Clear Creek at Franklin	LFPR	334
03271736	Twin Creek at Lewisburg	LFPR	335
03271800	Twin Creek at Ingomar	LTCR	336
03272000	Twin Creek near Germantown	LTCR	337
03272200	Elk Creek at Miltonville	LFPR	338
03272300	Dicks Creek near Excello	LFPR	339
03272700	Sevenmile Creek at Camden	LTCR	340
03272800	Sevenmile Creek at Collinsville	LTCR	341
03274000	Great Miami River at Hamilton	LTCR	342
03274200	Indian Creek near Millville	LFPR	343
03274600	Great Miami River at New Baltimore	LFPR	344
03322480	Wabash River above Beaver Creek at Wabash	LFPR	345
04177000	Ottawa River at University of Toledo, at Toledo	LTCR	346
04177100	East Branch St. Joseph River near Pioneer	LFPR	347
04183500	Maumee River at Antwerp	LTCR	348
04184500	Bean Creek at Powers	LTCR	349
04185000	Tiffin River at Stryker	LTCR	350
04185200	Beaver Creek near Stryker	LFPR	351
04185440	Unnamed Tributary to Lost Creek near Farmers	LTCR	352
04185795	Auglaize River near Uniopolis	LFPR	353
04186500	Auglaize River near Fort Jennings	LTCR	354
04187500	Ottawa River at Allentown	LTCR	355
04188300	Blanchard River at Mt. Blanchard	LFPR	356
04188500	Eagle Creek near Findlay	LTCR	357
04189000	Blanchard River near Findlay	LTCR	358
04189500	Blanchard River at Glandorf	LTCR	359
04191500	Auglaize River near Defiance	LTCR	360
04191600	Powell Creek near Defiance	LFPR	361
04192500	Maumee River near Defiance	LTCR	362
04192650	North Turkeyfoot Creek near Liberty Center	LFPR	363
04193500	Maumee River at Waterville	LTCR	364
04195500	Portage River at Woodville	LTCR	365
04195950	Paramour Creek near Leesville	LFPR	366
04195970	Sandusky River near North Robinson	LFPR	367
04196000	Sandusky River near Bucyrus	LTCR	368
04196200	Broken Sword Creek at Nevada	LFPR	369
04196500	Sandusky River near Upper Sandusky	LTCR	370
04196800	Tymochtee Creek at Crawford	LTCR	371
04197000	Sandusky River near Mexico	LTCR	372

Appendix A. List of low-flow sites in Ohio in numerical order by station number

[LTCR is long-term continuous-record stations, LFPR is low-flow partial-record stations]

Station no.	Station name	Station type	Page no.
04197052	Honey Creek near Caroline	LFPR	373
04197100	Honey Creek at Melmore	LTCR	374
04197170	Rock Creek at Tiffin	LTCR	375
04198000	Sandusky River near Fremont	LTCR	376
04198007	Muskellunge Creek near Fremont	LFPR	377
04198020	West Branch Huron River near Monroeville	LFPR	378
04198500	East Branch Huron River near Norwalk	LTCR	379
04199000	Huron River at Milan	LTCR	380
04199155	Old Womans Creek at Berlin Road near Huron	LFPR	381
04199300	Vermilion River at Clarksfield	LFPR	382
04199500	Vermilion River near Vermilion	LTCR	383
04199550	Beaver Creek at Amherst	LFPR	384
04200000	East Branch Black River at Elyria	LTCR	385
04200500	Black River at Elyria	LTCR	386
04201400	West Branch Rocky River at West View	LFPR	387
04201498	East Branch Rocky River near Berea	LFPR	388
04201500	Rocky River near Berea	LTCR	389
04202000	Cuyahoga River at Hiram Rapids	LTCR	390
04204000	Little Cuyahoga River at Mogadore	LTCR	391
04204500	Little Cuyahoga River at Massillon Road, Akron	LTCR	392
04205000	Springfield Lake Outlet at Akron	LTCR	393
04206000	Cuyahoga River at Old Portage	LTCR	394
04206208	Yellow Creek at Ghent	LFPR	395
04206210	North Fork at Bath	LFPR	396
04206211	Park Creek at Bath Center	LFPR	397
04206212	North Fork at Bath Center	LFPR	398
04206215	Bath Creek at Bath Center	LFPR	399
04206220	Yellow Creek at Botzum	LFPR	400
04207200	Tinkers Creek at Bedford	LTCR	401
04208000	Cuyahoga River at Independence	LTCR	402
04208502	Big Creek at Cleveland	LTCR	403
04208815	Chagrin River at Chagrin Falls	LFPR	404
04208900	Aurora Branch near Chagrin Falls	LFPR	405
04209000	Chagrin River at Willoughby	LTCR	406
04209500	Grand River near North Bristol	LFPR	407
04210000	Phelps Creek near Windsor	LTCR	408
04210500	Grand River near Rome	LFPR	409
04211500	Mill Creek near Jefferson	LTCR	410
04212000	Grand River near Madison	LTCR	411
04212085	Big Creek at Painesville	LFPR	412
04212100	Grand River near Painesville	LTCR	413
04212500	Ashtabula River near Ashtabula	LTCR	414
04213000	Conneaut Creek at Conneaut	LTCR	415

Appendix B. List of low-flow sites in Ohio in alphabetical order by station name
 [LTCR is long-term continuous-record stations, LFPR is low-flow partial-record stations].

Station no.	Station name	Station type	Page no.
03228805	Alum Creek at Africa	LTCR	231
03229000	Alum Creek at Columbus	LTCR	232
03242200	Anderson Fork near New Burlington	LTCR	287
03138820	Apple Creek at Wooster	LFPR	144
04212500	Ashtabula River near Ashtabula	LTCR	414
04191500	Auglaize River near Defiance	LTCR	360
04186500	Auglaize River near Fort Jennings	LTCR	354
04185795	Auglaize River near Uniopolis	LFPR	353
04208900	Aurora Branch near Chagrin Falls	LFPR	405
04206215	Bath Creek at Bath Center	LFPR	399
04184500	Bean Creek at Powers	LTCR	349
03271400	Bear Creek at Ellerton	LFPR	331
04199550	Beaver Creek at Amherst	LFPR	384
04185200	Beaver Creek near Stryker	LFPR	351
03087000	Beech Creek near Bolton	LFPR	31
03237040	Big Beaver Creek near Piketon	LFPR	269
04208502	Big Creek at Cleveland	LTCR	403
04212085	Big Creek at Painesville	LFPR	412
03230400	Big Darby Creek at Darbydale	LFPR	242
03230500	Big Darby Creek at Darbyville	LTCR	243
03230200	Big Darby Creek at Plain City	LFPR	237
03230230	Big Darby Creek near West Jefferson	LFPR	238
03201700	Big Four Hollow Creek near Lake Hope	LTCR	196
03238730	Big Indian Creek near Point Pleasant	LFPR	279
03238020	Big Threemile Creek near Aberdeen	LFPR	273
03228200	Big Walnut Creek above Sunbury	LFPR	227
03228500	Big Walnut Creek at Central College	LTCR	228
03229500	Big Walnut Creek at Reese	LTCR	233
03129400	Black Fork above Charles Mill Dam, near Mifflin	LFPR	128
03131500	Black Fork at Loudonville	LTCR	131
03130000	Black Fork below Charles Mill Dam, near Mifflin	LTCR	129
04200500	Black River at Elyria	LTCR	386
03228690	Blacklick Creek near Brice	LFPR	229
03228700	Blacklick Creek near Groveport	LFPR	230
04189500	Blanchard River at Glandorf	LTCR	359
04188300	Blanchard River at Mt. Blanchard	LFPR	356
04189000	Blanchard River near Findlay	LTCR	358
03125900	Boggs Fork at Piedmont	LFPR	115
03260700	Bokengehalas Creek near DeGraff	LTCR	301
03219590	Bokes Creek near Warrensburg	LTCR	211
04196200	Broken Sword Creek at Nevada	LFPR	369
03268000	Buck Creek at New Moorefield	LTCR	324

Appendix B. List of low-flow sites in Ohio in alphabetical order by station name

[LTCR is long-term continuous-record stations, LFPR is low-flow partial-record stations].

Station no.	Station name	Station type	Page no.
03140800	Buffalo Creek at Pleasant City	LFPR	150
03140700	Buffalo Fork at Pleasant City	LFPR	149
03109395	Bull Creek at Negley	LFPR	57
03238650	Bullskin Creek near Felicity	LFPR	278
03242150	Caesar Creek near Xenia	LTCR	286
03160105	Campaign Creek near Gallipolis	LFPR	194
03114000	Captina Creek at Armstrongs Mills	LTCR	71
03267400	Cedar Run near Tremont City	LFPR	321
03156549	Center Branch Rush Creek near Junction City	LFPR	179
04208815	Chagrin River at Chagrin Falls	LFPR	404
04209000	Chagrin River at Willoughby	LTCR	406
03267600	Chapman Creek at Tremont City	LFPR	322
03108985	Cherry Valley Run at Leetonia	LFPR	51
03116200	Chippewa Creek at Easton	LTCR	87
03116075	Chippewa Creek at Seville	LFPR	84
03116080	Chippewa Creek at Sterling	LFPR	85
03156900	Clear Creek at Clearport	LFPR	182
03271700	Clear Creek at Franklin	LFPR	334
03232480	Clear Creek near Hillsboro	LFPR	256
03157000	Clear Creek near Rockbridge	LTCR	183
03132000	Clear Fork at Butler	LTCR	132
03133500	Clear Fork below Pleasant Hill Dam, near Perrysville	LTCR	133
03158000	Clear Fork near Logan	LFPR	185
03127970	Clear Fork Tributary near Hanover	LFPR	121
04213000	Conneaut Creek at Conneaut	LTCR	415
03119700	Conotton Creek at Jewett	LFPR	103
03119900	Conotton Creek at Leesville	LFPR	104
03243400	Cowan Creek at Clinton County A.F.B.	LFPR	288
03127100	Crooked Creek near Stillwater	LFPR	119
03111000	Cross Creek at Mingo Junction	LFPR	64
04202000	Cuyahoga River at Hiram Rapids	LTCR	390
04208000	Cuyahoga River at Independence	LTCR	402
04206000	Cuyahoga River at Old Portage	LTCR	394
03088000	Deer Creek at Limaville	LFPR	32
03230800	Deer Creek at Mount Sterling	LTCR	246
03230745	Deer Creek at US142 near London	LFPR	245
03231000	Deer Creek at Williamsport	LTCR	248
03230900	Deer Creek near Pancoastburg	LTCR	247
03272300	Dicks Creek near Excello	LFPR	339
03093500	Duck Creek at Leavittsburg	LFPR	42
03115800	Duck Creek at Stanleyville	LFPR	78
03093000	Eagle Creek at Phalanx Station	LTCR	41
04188500	Eagle Creek near Findlay	LTCR	357

Appendix B. List of low-flow sites in Ohio in alphabetical order by station name

[LTCR is long-term continuous-record stations, LFPR is low-flow partial-record stations].

Station no.	Station name	Station type	Page no.
03238200	Eagle Creek near Ripley	LFPR	274
03219600	Eagon Run near Warrensburg	LTCR	212
04200000	East Branch Black River at Elyria	LTCR	385
04198500	East Branch Huron River near Norwalk	LTCR	379
03108990	East Branch Middle Fork Little Beaver Creek at Leetonia	LFPR	52
03118100	East Branch Nimishillen Creek near Canton	LFPR	99
04201498	East Branch Rocky River near Berea	LFPR	388
03159555	East Branch Shade River near Tupper's Plains	LFPR	192
04177100	East Branch St. Joseph River near Pioneer	LFPR	347
03115650	East Fork Duck Creek at Lower Salem	LFPR	76
03247500	East Fork Little Miami River at Perintown	LTCR	294
03246500	East Fork Little Miami River at Williamsburg	LTCR	292
03247050	East Fork Little Miami River near Batavia	LTCR	293
03246200	East Fork Little Miami River near Marathon	LTCR	291
03231620	East Fork Paint Creek near Bloomingburg	LFPR	252
03238370	East Fork White Oak Creek at Sardinia	LFPR	276
03272200	Elk Creek at Miltonville	LFPR	338
03222800	Flat Run near Caledonia	LFPR	218
03219520	Fulton Creek near Radnor	LFPR	210
04212000	Grand River near Madison	LTCR	411
04209500	Grand River near North Bristol	LFPR	407
04212100	Grand River near Painesville	LTCR	413
04210500	Grand River near Rome	LFPR	409
03270500	Great Miami River at Dayton	LTCR	327
03271620	Great Miami River at Franklin	LFPR	333
03274000	Great Miami River at Hamilton	LTCR	342
03271500	Great Miami River at Miamisburg	LTCR	332
03274600	Great Miami River at New Baltimore	LFPR	344
03262500	Great Miami River at Piqua	LFPR	306
03260600	Great Miami River at Russells Point	LFPR	299
03261500	Great Miami River at Sidney	LTCR	303
03263000	Great Miami River at Taylorsville	LTCR	310
03262700	Great Miami River at Troy	LTCR	307
03264000	Greenville Creek near Bradford	LTCR	313
03263390	Greenville Creek near Coletown	LFPR	312
03092099	Hinkley Creek at Charlestown	LFPR	38
03159500	Hocking River at Athens	LTCR	187
03157500	Hocking River at Enterprise	LTCR	184
03156400	Hocking River at Lancaster	LTCR	178
03155895	Hocking River at Union Street at Lancaster	LFPR	176
03159510	Hocking River below Athens	LTCR	188
03271300	Holes Creek near Kettering	LFPR	330
03125000	Home Creek near New Philadelphia	LTCR	114

Appendix B. List of low-flow sites in Ohio in alphabetical order by station name

[LTCR is long-term continuous-record stations, LFPR is low-flow partial-record stations].

Station no.	Station name	Station type	Page no.
03230600	Hominy Creek at Circleville	LFPR	244
04197100	Honey Creek at Melmore	LTCR	374
04197052	Honey Creek near Caroline	LFPR	373
03262900	Honey Creek near New Carlisle	LFPR	309
03117280	Hugle Run near Malvern	LFPR	93
03156000	Hunters Run at Lancaster	LTCR	177
04199000	Huron River at Milan	LTCR	380
03216050	Ice Creek at Ironton	LFPR	203
03274200	Indian Creek near Millville	LFPR	343
03205210	Indian Guyan Creek near Bradrick	LFPR	201
03110850	Island Creek near Toronto	LFPR	63
03134000	Jerome Fork at Jeromesville	LTCR	134
03148450	Jonathan Creek at East Fultonham	LFPR	168
03092000	Kale Creek near Pricetown	LTCR	36
03138790	Killbuck Creek at Burbank	LFPR	142
03139000	Killbuck Creek at Killbuck	LTCR	146
03138800	Killbuck Creek at Wooster	LFPR	143
03266897	Kings Creek near Urbana	LFPR	319
03231300	Kinnikinnick Creek near Kinnikinnick	LFPR	249
03137000	Kokosing River at Millwood	LTCR	140
03136500	Kokosing River at Mount Vernon	LTCR	139
03136235	Kokosing River near Mount Vernon	LFPR	138
03135000	Lake Fork below Mohicanville Dam, near Mohicanville	LTCR	136
03160050	Leading Creek near Middleport	LFPR	193
03141900	Leatherwood Creek near Cambridge	LFPR	152
03146500	Licking River at Newark	LTCR	164
03147500	Licking River below Dillon Dam, near Dillon Falls	LTCR	165
03109000	Lisbon Creek at Lisbon	LTCR	54
03109500	Little Beaver Creek near East Liverpool	LTCR	59
03116100	Little Chippewa Creek near Smithville	LFPR	86
04204500	Little Cuyahoga River at Massillon Road, Akron	LTCR	392
04204000	Little Cuyahoga River at Mogadore	LTCR	391
03230300	Little Darby Creek at Chuckery	LFPR	240
03230310	Little Darby Creek at West Jefferson	LFPR	241
03230250	Little Darby Creek near Irwin	LFPR	239
03155800	Little Hocking River near Little Hocking	LFPR	175
03245500	Little Miami River at Milford	LTCR	290
03240000	Little Miami River near Oldtown	LTCR	281
03238950	Little Miami River near South Charleston	LFPR	280
03242050	Little Miami River near Spring Valley	LTCR	285
03115400	Little Muskingum River at Bloomfield	LTCR	74
03115500	Little Muskingum River at Fay	LTCR	75
03115300	Little Muskingum River near Rinard Mills	LFPR	73

Appendix B. List of low-flow sites in Ohio in alphabetical order by station name

[LTCR is long-term continuous-record stations, LFPR is low-flow partial-record stations].

Station no.	Station name	Station type	Page no.
03201990	Little Raccoon Creek near Vinton	LFPR	199
03236200	Little Salt Creek at Jackson	LFPR	266
03236600	Little Salt Creek near Richmond Dale	LFPR	267
03117450	Little Sandy Creek near Robertsville	LFPR	96
03218000	Little Scioto River above Marion	LTCR	207
03218500	Little Scioto River at Sewage Treatment Plant, near Marion	LTCR	208
03128500	Little Stillwater Creek below Tappan Dam, at Tappan	LTCR	122
03128600	Little Stillwater Creek near Dennison	LFPR	123
03262000	Loramie Creek at Lockington	LTCR	305
03261950	Loramie Creek near Newport	LTCR	304
03262800	Lost Creek near Troy	LFPR	308
03265395	Ludlow Creek at Ludlow Falls	LFPR	315
03266647	Mad River at Lippincott	LFPR	318
03267900	Mad River at St. Paris Pike at Eagle City	LTCR	323
03266500	Mad River at Zanesfield	LTCR	317
03270000	Mad River near Dayton	LTCR	326
03269500	Mad River near Springfield	LTCR	325
03267000	Mad River near Urbana	LTCR	320
03086500	Mahoning River at Alliance	LTCR	30
03094000	Mahoning River at Leavittsburg	LTCR	43
03099500	Mahoning River at Lowellville	LTCR	48
03091500	Mahoning River at Pricetown	LTCR	35
03098000	Mahoning River at Youngstown	LTCR	46
03090500	Mahoning River below Berlin Dam, near Berlin Center	LTCR	34
03241500	Massies Creek at Wilberforce	LTCR	284
04183500	Maumee River at Antwerp	LTCR	348
04193500	Maumee River at Waterville	LTCR	364
04192500	Maumee River near Defiance	LTCR	362
03120500	McGuire Creek below Leesville Dam, near Leesville	LTCR	105
03113550	McMahon Creek at Bellaire	LFPR	70
03112820	McMahon Creek at Glencoe	LFPR	69
03097500	Meander Creek at Mineral Ridge	LTCR	45
03150250	Meigs Creek near Beverly	LFPR	172
03118000	Middle Branch Nimishillen Creek at Canton	LTCR	98
03159538	Middle Branch Shade River near Chester	LFPR	190
03108996	Middle Fork Little Beaver Creek at Teegarden	LFPR	53
03109100	Middle Fork Little Beaver Creek near Rogers	LFPR	55
03108980	Middle Fork Little Beaver Creek near Salem	LFPR	50
03236055	Middle Fork Salt Creek near Richmond Dale	LFPR	265
03259000	Mill Creek at Carthage	LTCR	297
03255500	Mill Creek at Reading	LTCR	295
03098500	Mill Creek at Youngstown	LTCR	47
03220000	Mill Creek near Bellepoint	LTCR	214

Appendix B. List of low-flow sites in Ohio in alphabetical order by station name

[LTCR is long-term continuous-record stations, LFPR is low-flow partial-record stations].

Station no.	Station name	Station type	Page no.
03089500	Mill Creek near Berlin Center	LTCR	33
03219770	Mill Creek near Broadway	LFPR	213
03140000	Mill Creek near Coshocton	LTCR	147
04211500	Mill Creek near Jefferson	LTCR	410
03136000	Mohican River at Greer	LTCR	137
03095500	Mosquito Creek below Mosquito Creek Dam, near Cortland	LTCR	44
03148400	Moxahala Creek at Roberts	LFPR	167
03148300	Moxahala Creek at Roseville	LFPR	166
03148600	Moxahala Creek near Zanesville	LFPR	169
03260620	Muchinippi Creek near Russells Point	LFPR	300
03222700	Mud Run near Caledonia	LFPR	217
03134300	Muddy Fork near Rowsburg	LFPR	135
04198007	Muskellunge Creek near Fremont	LFPR	377
03144500	Muskingum River at Dresden	LTCR	158
03150000	Muskingum River at McConnelsville	LTCR	171
03140500	Muskingum River near Coshocton	LTCR	148
03116950	Newman Creek near Massillon	LFPR	89
03118500	Nimishillen Creek at North Industry	LTCR	101
03116410	Nimisila Creek near Canal Fulton	LFPR	88
04206212	North Fork at Bath Center	LFPR	398
04206210	North Fork at Bath	LFPR	396
03146250	North Fork Licking River above Newark	LFPR	163
03146000	North Fork Licking River at Utica	LTCR	162
03109400	North Fork Little Beaver Creek near Negley	LFPR	58
03240500	North Fork Massies Creek at Cedarville	LTCR	282
03110600	North Fork Yellow Creek at Hammondsville	LFPR	62
04192650	North Turkeyfoot Creek near Liberty Center	LFPR	363
03237500	Ohio Brush Creek near West Union	LTCR	272
04199155	Old Womans Creek at Berlin Road near Huron	LFPR	381
03223000	Olentangy River at Claridon	LTCR	219
03225500	Olentangy River near Delaware	LTCR	223
03222500	Olentangy River near New Winchester	LFPR	216
03226800	Olentangy River near Worthington	LTCR	224
03144450	Opossum Run Tributary near Wakatomika	LFPR	157
04187500	Ottawa River at Allentown	LTCR	355
04177000	Ottawa River at University of Toledo, at Toledo	LTCR	346
03234300	Paint Creek at Chillicothe	LTCR	259
03231550	Paint Creek at Washington Court House	LFPR	251
03232470	Paint Creek below Paint Creek Dam, near Bainbridge	LTCR	255
03234000	Paint Creek near Bourneville	LTCR	258
03232000	Paint Creek near Greenfield	LTCR	254
04195950	Paramour Creek near Leesville	LFPR	366
04206211	Park Creek at Bath Center	LFPR	397

Appendix B. List of low-flow sites in Ohio in alphabetical order by station name

[LTCR is long-term continuous-record stations, LFPR is low-flow partial-record stations].

Station no.	Station name	Station type	Page no.
04210000	Phelps Creek near Windsor	LTCR	408
03216640	Pine Creek near Wheelersburg	LFPR	204
03117310	Pipe Run at Malvern	LFPR	95
04195500	Portage River at Woodville	LTCR	365
04191600	Powell Creek near Defiance	LFPR	361
03102950	Pymatuning Creek at Kinsman	LTCR	49
03202000	Raccoon Creek at Adamsville	LTCR	200
03145500	Raccoon Creek near Granville	LFPR	161
03201900	Raccoon Creek near Prattsville	LFPR	198
04197170	Rock Creek at Tiffin	LTCR	375
03232500	Rocky Fork near Barretts Mills	LTCR	257
04201500	Rocky River near Berea	LTCR	389
03156550	Rush Creek near Junction City	LFPR	180
03156700	Rush Creek near Sugar Grove	LFPR	181
03235090	Salt Creek at Adelphi	LFPR	262
03138910	Salt Creek at Holmesville	LFPR	145
03236800	Salt Creek at Richmond Dale	LFPR	268
03235000	Salt Creek at Tarlton	LTCR	261
03149500	Salt Creek near Chandlersville	LTCR	170
03236000	Salt Creek near Londonderry	LTCR	264
04196000	Sandusky River near Bucyrus	LTCR	368
04198000	Sandusky River near Fremont	LTCR	376
04197000	Sandusky River near Mexico	LTCR	372
04195970	Sandusky River near North Robinson	LFPR	367
04196500	Sandusky River near Upper Sandusky	LTCR	370
03117300	Sandy Creek at Malvern	LFPR	94
03117150	Sandy Creek at Minerva	LFPR	91
03117500	Sandy Creek at Waynesburg	LTCR	97
03201600	Sandy Run above Big Four Hollow Creek near Lake Hope	LTCR	195
03201800	Sandy Run near Lake Hope	LTCR	197
03228000	Scioto Big Run at Briggsdale	LTCR	226
03237130	Scioto Brush Creek at Otway	LFPR	270
03231500	Scioto River at Chillicothe	LTCR	250
03227500	Scioto River at Columbus	LTCR	225
03234500	Scioto River at Higby	LTCR	260
03217500	Scioto River at LaRue	LTCR	206
03221000	Scioto River below O'Shaughnessy Dam, near Dublin	LTCR	215
03217400	Scioto River near Kenton	LFPR	205
03219500	Scioto River near Prospect	LTCR	209
03141500	Seneca Fork below Senecaville Dam, near Senecaville	LTCR	151
03272700	Sevenmile Creek at Camden	LTCR	340
03272800	Sevenmile Creek at Collinsville	LTCR	341
03159540	Shade River near Chester	LTCR	191

Appendix B. List of low-flow sites in Ohio in alphabetical order by station name

[LTCR is long-term continuous-record stations, LFPR is low-flow partial-record stations].

Station no.	Station name	Station type	Page no.
03224000	Shaw Creek at Shawtown	LFPR	221
03111465	Short Creek at Adena	LFPR	65
03111500	Short Creek near Dillonvale	LTCR	66
03126170	Skull Fork at Freeport	LFPR	117
03150490	South Branch Wolf Creek near Waterford	LFPR	174
03260450	South Fork Great Miami River near Huntsville	LFPR	298
03145000	South Fork Licking River near Hebron	LTCR	160
03144830	South Fork Licking River near Millersport	LFPR	159
03241000	South Fork Massies Creek near Cedarville	LTCR	283
03123300	South Fork Sugar Creek at Dundee	LFPR	110
04205000	Springfield Lake Outlet at Akron	LTCR	393
03117160	Still Fork near Minerva	LFPR	92
03126000	Stillwater Creek at Piedmont	LTCR	116
03127000	Stillwater Creek at Tippecanoe	LTCR	118
03127500	Stillwater Creek at Uhrichsville	LTCR	120
03266000	Stillwater River at Englewood	LTCR	316
03265000	Stillwater River at Pleasant Hill	LTCR	314
03260800	Stony Creek near DeGraff	LTCR	302
03238250	Straight Creek near Higginsport	LFPR	275
03123000	Sugar Creek above Beach City Dam, at Beach City	LTCR	109
03124520	Sugar Creek at Dover	LFPR	113
03124500	Sugar Creek at Strasburg	LTCR	112
03124000	Sugar Creek below Beach City Dam, near Beach City	LTCR	111
03122850	Sugar Creek near Orrville	LFPR	107
03231800	Sugar Creek near Rock Mills	LFPR	253
03122900	Sugar Creek near West Lebanon	LFPR	108
03159000	Sunday Creek at Glouster	LTCR	186
03114250	Sunfish Creek at Cameron	LFPR	72
03263195	Swamp Creek at Versailles	LFPR	311
03205500	Symmes Creek at Getaway	LFPR	202
03235500	Tar Hollow Creek at Tar Hollow State Park	LTCR	263
04185000	Tiffin River at Stryker	LTCR	350
04207200	Tinkers Creek at Bedford	LTCR	401
03130500	Touby Run at Mansfield	LTCR	130
03244570	Turtle Creek at South Lebanon	LFPR	289
03115920	Tuscarawas River at Barberton	LFPR	81
03116000	Tuscarawas River at Clinton	LTCR	83
03129150	Tuscarawas River at Coshocton	LFPR	127
03117000	Tuscarawas River at Massillon	LTCR	90
03129000	Tuscarawas River at Newcomerstown	LTCR	125
03128700	Tuscarawas River at Tuscarawas	LFPR	124
03115890	Tuscarawas River at Uniontown	LFPR	79
03119580	Tuscarawas River at Zoar	LFPR	102

Appendix B. List of low-flow sites in Ohio in alphabetical order by station name

[LTCR is long-term continuous-record stations, LFPR is low-flow partial-record stations].

Station no.	Station name	Station type	Page no.
03122500	Tuscarawas River below Dover Dam, near Dover	LTCR	106
03115900	Tuscarawas River near East Liberty	LFPR	80
03271800	Twin Creek at Ingomar	LTCR	336
03271736	Twin Creek at Lewisburg	LFPR	335
03272000	Twin Creek near Germantown	LTCR	337
04196800	Tymochtee Creek at Crawford	LTCR	371
04185440	Unnamed Tributary to Lost Creek near Farmers	LTCR	352
03237280	Upper Twin Creek at McGaw	LTCR	271
04199300	Vermilion River at Clarksfield	LFPR	382
04199500	Vermilion River near Vermilion	LTCR	383
03322480	Wabash River above Beaver Creek at Wabash	LFPR	345
03144000	Wakatomika Creek near Frazeyburg	LTCR	156
03143760	Wakatomika Creek near Perryton	LFPR	155
03138500	Walhouding River below Mohawk Dam, at Nellie	LTCR	141
03229800	Walnut Creek near Ashville	LFPR	236
03229750	Walnut Creek near Carroll	LFPR	234
03229770	Walnut Creek near Groveport	LFPR	235
04198020	West Branch Huron River near Monroeville	LFPR	378
03092460	West Branch Mahoning River below Michael J. Kirwan Dam, at Wayland	LTCR	39
03092500	West Branch Mahoning River near Newton Falls	LTCR	40
03092090	West Branch Mahoning River near Ravenna	LTCR	37
03118300	West Branch Nimishillen Creek at Canton	LFPR	100
04201400	West Branch Rocky River at West View	LFPR	387
03159536	West Branch Shade River at Chester	LFPR	189
03150480	West Branch Wolf Creek near Waterford	LFPR	173
03115700	West Fork Duck Creek at Dexter City	LFPR	77
03109200	West Fork Little Beaver Creek at West Point	LFPR	56
03257500	West Fork Mill Creek at Woodlawn	LTCR	296
03111550	Wheeling Creek at Brookside	LFPR	68
03111548	Wheeling Creek below Blaine	LTCR	67
03224500	Whetstone Creek near Ashley	LTCR	222
03223500	Whetstone Creek near Shawtown	LFPR	220
03129100	White Eyes Creek near Fresno	LFPR	126
03238500	White Oak Creek near Georgetown	LTCR	277
03142000	Wills Creek at Cambridge	LTCR	153
03143500	Wills Creek below Wills Creek Dam, at Wills Creek	LTCR	154
03271000	Wolf Creek at Dayton	LTCR	329
03270800	Wolf Creek at Trotwood	LTCR	328
03115990	Wolf Creek near Barberton	LFPR	82
03109861	Yellow Creek at Bergholz	LFPR	60
04206220	Yellow Creek at Botzum	LFPR	400
04206208	Yellow Creek at Ghent	LFPR	395
03110000	Yellow Creek near Hammondsville	LTCR	61

APPENDIX C– Low-flow data

Sites are listed in numerical order by station number.

BEAVER RIVER BASIN

03086500 Mahoning River at Alliance, Ohio

LOCATION: Lat 40° 55' 58", long 81° 05' 41", in SE 1/4 sec. 24, T. 19 N., R. 6 W., Stark County, Hydrologic Unit 05030103, on right bank 15 ft upstream from Webb Avenue bridge in Alliance, 0.2 mi upstream from water works dam, and 4 mi upstream from Beech Creek.

DRAINAGE AREA: 89.2 mi².

TRIBUTARY TO: Head of Beaver River.

STREAMFLOW DATA USED: October 1954 to September 1993.

REMARKS: Flow slightly regulated by Westville Reservoir 9.3 mi upstream from station.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 18.3 ft³/s
 Average streamflow: 94.6 ft³/s (39 years)
 Minimum daily streamflow: 0 (occurred in 7 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	4.0	1.4	0	0	0	Dec.-Feb.	1	19	8.6	5.2	3.2	1.7
	7	5.6	2.1	.7	0	0		7	21	11	7.2	4.7	2.8
	30	8.6	3.7	2.0	1.0	0		30	40	19	13	9.1	6.1
	90	16	7.8	5.4	3.9	2.8		90	129	71	47	32	20
May-Nov.	1	4.0	1.4	0	0	0	Sep.-Nov.	1	5.3	2.2	1.1	0	0
	7	5.6	2.1	.7	0	0		7	6.7	3.1	2.0	0	0
	30	8.7	3.7	2.0	1.0	0		30	13	6.5	4.5	3.2	0
	90	16	7.8	5.3	3.9	2.8		90	36	15	9.2	5.9	3.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	2.2	4.4	6.9	9.6	13	16	19	27	38	53	77	116	225
May-Nov.	.1	3.0	5.0	6.6	8.2	10	12	17	22	29	40	62	121
Dec.-Feb.	4.7	9.2	14	18	22	26	31	43	56	76	105	161	314
Sep.-Nov.	.2	3.4	5.0	6.4	8.1	9.6	12	16	21	27	36	53	104

BEAVER RIVER BASIN

03087000 Beech Creek near Bolton, Ohio

LOCATION: Lat 40° 55' 50", long 81° 08' 50", Stark County, Hydrologic Unit 05030103, at county highway bridge on line between secs. 21 and 28, T. 19 N., R. 6 W., 1.5 mi upstream from Little Beech Creek, 1.8 mi southwest of Bolton, and 2.5 mi west of Alliance.

DRAINAGE AREA: 17.4 mi².

TRIBUTARY TO: Mahoning River.

STREAMFLOW DATA USED: Continuous streamflow record October 1943 to September 1951.

INDEX STATION: 03093000 Eagle Creek at Phalanx Station, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.1 ft³/s July 1944 & Aug. 1945.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.5	0.1	0.1	Dec.-Feb.	1	2.8	0.8	0.5
	7	.6	.3	.3		7	3.1	1.1	.8
	30	.9	.4	.4		30	6.4	1.9	1.4
	90	1.5	.7	.6		90	31	9.3	5.9
May-Nov.	1	0.5	0.1	0.1	Sep.-Nov.	1	0.6	0.2	0.1
	7	.6	.3	.3		7	.7	.4	.3
	30	.9	.4	.4		30	1.2	.5	.4
	90	1.5	.7	.6		90	4.3	1.0	.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.4	0.6	0.9	1.2	1.5
May-Nov.	.4	.5	.7	.9	1.0
Dec.-Feb.	1.1	1.5	2.1	2.7	3.4
Sep.-Nov.	.3	.4	.6	.8	.9

BEAVER RIVER BASIN

03088000 Deer Creek at Limaville, Ohio

LOCATION: Lat 40° 58' 45", long 81° 09' 35", Stark County, Hydrologic Unit 05030103, in SW 1/4 sec. 4, T. 19 N., R. 6 W., at bridge on Green Bower Street, 0.6 mi west of Limaville, and 2.5 mi upstream from flow line of Berlin Reservoir.

DRAINAGE AREA: 31.9 mi².

TRIBUTARY TO: Mahoning River.

STREAMFLOW DATA USED: Continuous streamflow record October 1941 to September 1951.

INDEX STATION: 03093000 Eagle Creek at Phalanx Station, Ohio.

REMARKS: Streamflow affected by Walborn Reservoir, capacity 1,091 acre-ft. Data collected prior to reservoir construction.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.4 ft³/s Oct & Aug 1941.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	2.2	0.9	0.6	Dec.-Feb.	1	6.7	3.0	2.1
	7	2.6	1.6	1.4		7	7.2	3.6	2.9
	30	3.2	2.0	1.8		30	12	5.3	4.3
	90	4.6	2.7	2.3		90	33	15	11
May-Nov.	1	2.2	0.9	0.6	Sep.-Nov.	1	2.3	1.1	0.9
	7	2.6	1.7	1.5		7	2.6	1.8	1.6
	30	3.2	2.0	1.8		30	4.0	2.2	2.0
	90	4.6	2.7	2.3		90	9.0	3.5	2.9

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	2.0	2.6	3.3	3.9	4.4
May-Nov.	1.8	2.2	2.7	3.2	3.5
Dec.-Feb.	3.7	4.4	5.6	6.6	7.6
Sep.-Nov.	1.6	2.0	2.5	2.9	3.2

BEAVER RIVER BASIN

03089500 Mill Creek near Berlin Center, Ohio

LOCATION: Lat 41° 00' 01", long 80° 58' 07", in T. 1 N., R. 5 W., Mahoning County, Hydrologic Unit 05030103, on left bank at downstream side of county road bridge, 1.0 mi upstream from flow line of Berlin Reservoir, 1.2 mi upstream from Turkeybroth Creek, and 2.0 mi southwest of Berlin Center.

DRAINAGE AREA: 19.1 mi².

TRIBUTARY TO: Mahoning River.

STREAMFLOW DATA USED: October 1941 to October 1971.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 1.03 ft³/s
 Average streamflow: 16.7 ft³/s (30 years)
 Minimum daily streamflow: 0 (occurred in 6 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0.2	0	0	0	0	Dec.-Feb.	1	1.4	0.8	0.6	0.5	0.4
	7	.2	0	0	0	0		7	1.7	1.0	.7	.6	.4
	30	.4	.2	.1	.1	.1		30	3.7	1.5	1.0	.7	.5
	90	.8	.4	.3	.3	.2		90	24	11	6.1	3.2	1.4
May-Nov.	1	0.2	0	0	0	0	Sep.-Nov.	1	0.2	0.1	0	0	0
	7	.2	0	0	0	0		7	.3	.1	.1	.1	0
	30	.4	.2	.1	.1	.1		30	.6	.3	.2	.2	.1
	90	.8	.4	.3	.3	.2		90	2.1	.9	.6	.5	.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.1	0.3	0.4	0.5	0.7	1.0	1.2	1.8	2.9	5.0	8.6	17	37
May-Nov.	.1	.2	.3	.4	.5	.5	.6	.9	1.3	1.8	2.8	5.1	13
Dec.-Feb.	.7	1.0	1.2	1.6	1.9	2.2	2.7	3.8	5.5	8.3	14	25	58
Sep.-Nov.	.1	.2	.3	.3	.4	.5	.6	.8	1.0	1.4	1.9	3.0	6.7

BEAVER RIVER BASIN

03090500 Mahoning River below Berlin Dam near Berlin Center, Ohio

LOCATION: Lat 41° 02' 54", long 81° 00' 05", in T. 1 N., R. 6 W., Mahoning County, Hydrologic Unit 05030103, on left bank 600 ft downstream from Berlin Dam, and 3.2 mi northwest of Berlin Center.

DRAINAGE AREA: 248 mi².

TRIBUTARY TO: Head of Beaver River.

STREAMFLOW DATA USED: October 1950 to October 1991.

REMARKS: Flow regulated since 1942 by Berlin Lake. Occasional small diversion during drought periods since 1958 from Berlin Lake to Meander Creek Reservoir, by the Berlin pipeline; diversion not included in figures of daily discharge.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 73.9 ft³/s
 Average streamflow: 252 ft³/s (41 years)
 Minimum daily streamflow: 0 (occurred in 2 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	19	6.5	2.5	0	0	Dec.-Feb.	1	44	19	11	6.2	3.0
	7	25	11	7.5	5.2	3.4		7	47	25	19	15	11
	30	39	20	14	11	7.6		30	82	39	26	19	13
	90	92	48	33	24	16		90	214	98	61	41	25
May-Nov.	1	26	8.6	2.8	0	0	Sep.-Nov.	1	43	18	10	5.9	0
	7	33	17	12	8.9	6.3		7	47	22	15	11	7.9
	30	53	28	20	15	11		30	67	31	21	15	9.8
	90	131	82	61	48	35		90	178	97	69	51	36

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	16	21	33	52	70	88	106	136	169	204	249	341	616
May-Nov.	17	22	41	69	92	106	120	151	179	207	237	286	432
Dec.-Feb.	16	20	27	38	50	60	72	103	135	182	270	388	731
Sep.-Nov.	15	18	24	36	56	73	90	121	162	203	238	296	453

BEAVER RIVER BASIN

03091500 Mahoning River at Pricetown, Ohio

LOCATION: Lat 41° 07' 53", long 80° 58' 17", in T. 2 N., R. 5 W., Mahoning County, Hydrologic Unit 05030103, on left bank 0.3 mi downstream from Milton Dam, 0.5 mi southwest of Pricetown, and 3.0 mi upstream from Kale Creek.

DRAINAGE AREA: 273 mi².

TRIBUTARY TO: Head of Beaver River.

STREAMFLOW DATA USED: October 1950 to September 1997.

REMARKS: Flow regulated by Berlin Lake beginning 1942 and Milton Reservoir 1923. Diversion upstream from station from Berlin Lake for part of municipal supply of Mahoning Valley Sanitary District.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 117 ft³/s
 Average streamflow: 283 ft³/s (47 years)
 Minimum daily streamflow: 3.30 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	34	17	10	6.2	3.3	Dec.-Feb.	1	58	25	15	7.2	3.1
	7	40	21	14	9.9	6.4		7	72	33	20	10	4.4
	30	63	37	27	21	15		30	103	57	43	34	27
	90	118	73	56	44	33		90	245	118	77	53	34
May-Nov.	1	54	32	23	18	13	Sep.-Nov.	1	88	50	33	22	15
	7	68	40	29	22	16		7	97	56	40	28	17
	30	100	65	51	42	32		30	135	84	64	51	38
	90	160	115	95	80	66		90	224	142	111	91	73

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	25	41	61	76	90	107	122	151	181	214	263	378	723
May-Nov.	40	64	90	108	122	135	147	167	188	210	239	302	522
Dec.-Feb.	24	42	56	63	70	77	85	110	145	211	303	505	814
Sep.-Nov.	42	66	84	97	112	123	136	162	192	230	265	341	527

BEAVER RIVER BASIN

03092000 Kale Creek near Pricetown, Ohio

LOCATION: Lat 41° 08' 23", long 80° 59' 43", in T. 3 N., R. 5 W., Trumbull County, Hydrologic Unit 05030103, on right bank at downstream side of county line road bridge, 0.4 mi north of Mahoning-Trumbull County line, 1.5 mi northwest of Pricetown, 2.2 mi upstream from mouth, and 3.5 mi south of Newton Falls.

DRAINAGE AREA: 21.9 mi².

TRIBUTARY TO: Mahoning River.

STREAMFLOW DATA USED: May 1941 to September 1993.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 0.70 ft³/s
 Average streamflow: 23.4 ft³/s (52 years)
 Minimum daily streamflow: 0 (occurred in 10 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0.1	0	0	0	0	Dec.-Feb.	1	1.2	0.6	0.4	0.3	0.2
	7	.1	0	0	0	0		7	1.6	.8	.5	.4	.3
	30	.3	.1	.1	0	0		30	5.8	2.1	1.2	.8	.4
	90	.8	.3	.2	.1	.1		90	36	19	12	7.6	4.3
May-Nov.	1	0.1	0	0	0	0	Sep.-Nov.	1	0.1	0	0	0	0
	7	.1	0	0	0	0		7	.2	.1	0	0	0
	30	.3	.1	.1	0	0		30	.6	.2	.1	0	0
	90	.9	.3	.2	.1	.1		90	4.8	1.3	.6	.3	.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.1	0.1	0.3	0.4	0.6	0.8	1.2	2.2	4.0	6.6	11	21	52
May-Nov.	0	.1	.1	.2	.3	.4	.5	.8	1.4	2.3	4.0	7.8	20
Dec.-Feb.	.5	.8	1.3	1.7	2.2	2.7	3.5	5.5	8.0	12	20	35	85
Sep.-Nov.	0	.1	.1	.2	.3	.3	.4	.7	1.3	2.2	3.9	7.5	18

BEAVER RIVER BASIN

03092090 West Branch Mahoning River near Ravenna, Ohio

LOCATION: Lat 41° 09' 41", long 81° 11' 50", in T. 3 N., R. 8 W., Portage County, Hydrologic Unit 05030103, on left bank at downstream side of bridge on Newton Falls Road, 2.5 mi east of Ravenna.

DRAINAGE AREA: 21.8 mi².

TRIBUTARY TO: Mahoning River.

STREAMFLOW DATA USED: October 1965 to September 1993.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 5.08 ft³/s
 Average streamflow: 28.3 ft³/s (28 years)
 Minimum daily streamflow: 0.02 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	1.3	0.6	0.3	0.1	0	Dec.-Feb.	1	6.2	3.7	2.7	2.0	1.3
	7	1.5	.8	.5	.3	.2		7	7.2	4.5	3.3	2.5	1.7
	30	2.4	1.5	1.2	.9	.7		30	13	7.4	5.5	4.3	3.2
	90	4.9	3.0	2.4	2.0	1.6		90	42	28	22	17	12
May-Nov.	1	1.3	0.6	0.3	0.1	0	Sep.-Nov.	1	1.5	0.8	0.5	0.3	0.2
	7	1.5	.8	.5	.3	.2		7	2.0	.9	.6	.4	.2
	30	2.4	1.5	1.2	.9	.7		30	4.1	2.2	1.7	1.3	1.0
	90	4.8	3.0	2.4	2.0	1.7		90	14	7.8	5.8	4.6	3.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	1.1	1.6	2.3	3.0	3.7	4.6	5.5	8.2	12	16	22	33	66
May-Nov.	.9	1.3	1.7	2.2	2.6	3.0	3.5	4.5	5.9	8.1	12	18	36
Dec.-Feb.	3.5	4.6	6.1	7.7	8.6	9.9	12	15	18	23	31	47	96
Sep.-Nov.	.8	1.2	1.6	2.1	2.6	3.0	3.5	4.8	6.4	9.0	13	19	37

BEAVER RIVER BASIN

03092099 Hinkley Creek at Charlestown, Ohio

LOCATION: Lat 41° 09' 16", long 81° 08' 51", Portage County, Hydrologic Unit 05030103, at bridge on Rock Spring Road, 0.6 mi south of Charlestown, 2.2 mi upstream from mouth.

DRAINAGE AREA: 7.85 mi².

TRIBUTARY TO: West Branch Mahoning River.

STREAMFLOW DATA USED: Low-flow measurements, 1969-77 water years.

INDEX STATION: 03093000 Eagle Creek at Phalanx Station, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.1 ft³/s August 1971.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.2	0.1	0	Dec.-Feb.	1	0.8	0.3	0.2
	7	.3	.2	.1		7	.9	.4	.3
	30	.4	.2	.2		30	1.5	.6	.5
	90	.5	.3	.2		90	4.9	2.0	1.4
May-Nov.	1	0.2	0.1	0	Sep.-Nov.	1	0.2	0.1	0.1
	7	.3	.2	.2		7	.3	.2	.2
	30	.4	.2	.2		30	.4	.2	.2
	90	.5	.3	.2		90	1.1	.4	.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.2	0.3	0.4	0.4	0.5
May-Nov.	.2	.2	.3	.3	.4
Dec.-Feb.	.4	.5	.6	.8	.9
Sep.-Nov.	.2	.2	.3	.3	.4

BEAVER RIVER BASIN

03092460 West Branch Mahoning River below Michael J. Kirwan Dam at Wayland, Ohio

LOCATION: Lat 41° 09' 25", long 81° 04' 19", in T. 3 N., R. 6 W., Portage County, Hydrologic Unit 05030103, on right bank 200 ft upstream from bridge on Wayland Road, 0.4 mi downstream from Michael J. Kirwan Dam, and 0.2 mi south of Wayland.

DRAINAGE AREA: 81.7 mi².

TRIBUTARY TO: Mahoning River.

STREAMFLOW DATA USED: October 1968 to October 1991.

REMARKS: Flow completely regulated by Michael J. Kirwan Reservoir since December 1966.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 46.6 ft³/s
 Average streamflow: 106 ft³/s (23 years)
 Minimum daily streamflow: 2.50 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	19	9.9	5.3	3.0	1.4	Dec.-Feb.	1	22	17	14	13	11
	7	22	11	6.3	3.6	1.7		7	23	17	15	13	12
	30	24	17	13	10	7.1		30	38	23	19	15	13
	90	53	33	24	18	12		90	110	65	44	31	20
May-Nov.	1	21	15	12	8.9	6.8	Sep.-Nov.	1	26	18	16	14	13
	7	23	17	15	12	10		7	30	20	16	14	12
	30	38	25	20	17	14		30	47	29	23	19	15
	90	70	55	46	40	32		90	94	63	50	40	32

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	15	19	23	25	29	39	44	62	78	94	114	152	224
May-Nov.	19	22	26	32	42	49	59	76	85	98	113	136	197
Dec.-Feb.	13	18	20	22	25	27	38	46	72	93	142	181	284
Sep.-Nov.	18	21	23	27	35	43	50	70	81	99	115	140	207

BEAVER RIVER BASIN

03092500 West Branch Mahoning River near Newton Falls, Ohio

LOCATION: Lat 41° 10' 18", long 81° 01' 16", in T. 3 N., R. 6 W., Portage County, Hydrologic Unit 05030103, on right bank 250 ft downstream from bridge on Newton Falls Road, 2.5 mi southwest of Newton Falls, 6.0 mi upstream from mouth, and 5.0 mi downstream from Michael J. Kirwan Dam.

DRAINAGE AREA: 96.3 mi².

TRIBUTARY TO: Mahoning River.

STREAMFLOW DATA USED: April 1967 to October 1981.

REMARKS: Flow regulated by Michael J. Kirwan Reservoir since December 1966.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 53.7 ft³/s
 Average streamflow: 111 ft³/s (14 years)
 Minimum daily streamflow: 7.00 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	19	12	8.4	6.2	4.3	Dec.-Feb.	1	25	16	13	9.8	7.2
	7	23	15	11	8.4	6.0		7	26	17	13	11	9.6
	30	30	19	15	11	8.5		30	47	25	18	13	10
	90	64	37	23	16	10		90	122	79	62	50	40
May-Nov.	1	20	13	11	8.8	7.1	Sep.-Nov.	1	28	16	12	8.8	6.4
	7	25	18	15	13	11		7	30	18	14	12	9.2
	30	38	24	19	15	12		30	44	25	19	15	11
	90	80	55	40	29	18		90	112	64	44	30	18

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	15	20	24	28	33	42	47	64	83	99	120	160	225
May-Nov.	16	20	26	30	42	47	56	74	86	99	111	133	180
Dec.-Feb.	13	17	21	24	26	29	34	48	75	118	160	196	296
Sep.-Nov.	14	17	21	25	30	44	50	76	93	110	130	155	212

BEAVER RIVER BASIN

03093000 Eagle Creek at Phalanx Station, Ohio

LOCATION: Lat 41° 15' 40", long 80° 57' 16", Trumbull County, Hydrologic Unit 05030103, on right bank 75 ft downstream from county road bridge, 1.0 mi north of Phalanx Station, 2.0 mi downstream from Tinkers Creek, and 4.0 mi upstream from mouth.

DRAINAGE AREA: 97.6 mi².

TRIBUTARY TO: Mahoning River.

STREAMFLOW DATA USED: June 1926 to September 1934, October 1937 to September 1997.

REMARKS: Low flow slightly regulated by mill several miles upstream from station.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 30.3 ft³/s
 Average streamflow: 115 ft³/s (68 years)
 Minimum daily streamflow: 0.90 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	8.9	4.9	3.4	2.4	1.5	Dec.-Feb.	1	30	18	12	8.7	5.5
	7	11	7.8	6.6	5.8	4.9		7	33	21	16	12	8.8
	30	14	9.9	8.4	7.4	6.4		30	55	31	23	19	14
	90	20	13	11	9.7	8.3		90	165	99	71	52	35
May-Nov.	1	8.9	4.9	3.4	2.4	1.5	Sep.-Nov.	1	9.6	5.7	4.3	3.3	2.5
	7	11	7.9	6.8	6.0	5.2		7	11	8.1	7.1	6.4	5.9
	30	14	9.9	8.4	7.4	6.4		30	17	11	9.0	8.1	7.3
	90	20	13	11	9.7	8.4		90	41	21	15	12	8.9

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	8.0	11	14	17	19	22	25	34	45	62	88	134	268
May-Nov.	7.1	9.0	11	13	15	17	18	23	27	34	45	66	125
Dec.-Feb.	16	19	25	30	34	39	44	56	73	93	131	203	394
Sep.-Nov.	6.6	8.2	10	12	14	15	16	20	24	30	40	60	116

BEAVER RIVER BASIN

03093500 Duck Creek at Leavittsburg, Ohio

LOCATION: Lat 41° 13' 35", long 80° 53' 00", Trumbull County, Hydrologic Unit 05030103, in T. 4 N., R. 4 W., at bridge on Risher Road, 0.8 mi south of Leavittsburg, 0.9 mi upstream from mouth, and 1.2 mi downstream from Little Duck Creek.

DRAINAGE AREA: 35.2 mi².

TRIBUTARY TO: Mahoning River.

STREAMFLOW DATA USED: Continuous streamflow record May 1940 to May 1948.

INDEX STATION: 03093000 Eagle Creek at Phalanx Station, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s September 1941.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.3	0	0	Dec.-Feb.	1	3.1	0.6	0.3
	7	.4	.2	.1		7	3.6	.8	.5
	30	.7	.3	.2		30	9.8	1.9	1.2
	90	1.4	.4	.3		90	83	16	8.7
May-Nov.	1	0.3	0	0	Sep.-Nov.	1	0.3	0.1	0
	7	.4	.2	.1		7	.4	.2	.2
	30	.7	.3	.2		30	1.0	.3	.2
	90	1.4	.4	.3		90	5.6	.8	.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.2	0.4	0.7	1.0	1.3
May-Nov.	.2	.3	.5	.6	.8
Dec.-Feb.	.9	1.3	2.1	3.0	4.0
Sep.-Nov.	.2	.2	.4	.5	.7

BEAVER RIVER BASIN

03094000 Mahoning River at Leavittsburg, Ohio

LOCATION: Lat 41° 14' 21", long 80° 52' 51", in T. 4 N., R. 4 W., Trumbull County, Hydrologic Unit 05030103, on right bank at upstream side of Leavitt Road Bridge at Leavittsburg, 300 ft downstream from Duck Creek, and 1.2 mi downstream from Eagle Creek.

DRAINAGE AREA: 575 mi².

TRIBUTARY TO: Head of Beaver River.

STREAMFLOW DATA USED: October 1940 to September 1997.

REMARKS: Flow regulated by Berlin Lake, 25 mi upstream, beginning in 1942, by Milton Reservoir, 17 mi upstream, and by Michael J. Kirwan Reservoir, 20 mi upstream on West Branch, beginning in 1966. Diversion upstream from station from Berlin Lake for part of municipal supply of Mahoning Valley Sanitary District (see station 03090500).

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 319 ft³/s
 Average streamflow: 602 ft³/s (57 years)
 Minimum daily streamflow: 60.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	147	113	97	84	71	Dec.-Feb.	1	160	119	107	100	94
	7	159	122	105	92	79		7	178	129	114	106	99
	30	202	149	126	108	91		30	293	178	140	117	100
	90	254	183	153	131	110		90	681	392	282	211	148
May-Nov.	1	169	126	106	90	74	Sep.-Nov.	1	180	134	114	99	84
	7	188	139	116	98	80		7	195	143	121	105	89
	30	224	164	136	115	93		30	236	165	138	120	102
	90	270	200	172	151	130		90	345	222	180	153	128

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	118	144	173	199	221	241	258	289	331	398	538	857	1430
May-Nov.	120	152	182	204	224	237	250	275	299	332	387	511	888
Dec.-Feb.	111	127	144	163	184	211	242	321	420	592	849	1180	1750
Sep.-Nov.	118	134	159	174	189	205	223	255	287	332	401	525	858

BEAVER RIVER BASIN

03095500 Mosquito Creek below Mosquito Creek Dam near Cortland, Ohio

LOCATION: Lat 41° 17' 59", long 80° 45' 31", in T. 5 N., R. 3 W., Trumbull County, Hydrologic Unit 05030103, on right bank 100 ft downstream from Mosquito Creek Dam, 0.8 mi upstream from Confusion Run, and 2.5 mi southwest of Cortland.

DRAINAGE AREA: 97.5 mi².

TRIBUTARY TO: Mahoning River.

STREAMFLOW DATA USED: October 1954 to October 1991.

REMARKS: Flow completely regulated by Mosquito Creek Lake beginning 1943. Diversion at lake outlet for municipal supply of city of Warren since 1954; diversion not included in figures of daily discharge.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 15.2 ft³/s
 Average streamflow: 83.9 ft³/s (37 years)
 Minimum daily streamflow: 0.88 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	4.9	2.9	2.1	1.6	1.2	Dec.-Feb.	1	7.5	4.4	3.5	2.9	2.4
	7	5.5	3.6	2.9	2.5	2.1		7	9.5	5.2	3.9	3.1	2.4
	30	6.9	4.5	3.7	3.2	2.7		30	12	5.9	4.3	3.3	2.6
	90	18	9.1	6.1	4.3	2.9		90	50	16	7.9	4.3	3.0
May-Nov.	1	5.7	3.2	2.3	1.7	1.3	Sep.-Nov.	1	10	4.9	3.3	2.4	1.7
	7	7.3	4.3	3.2	2.6	2.0		7	12	5.7	3.8	2.7	1.8
	30	13	7.4	5.3	4.0	2.9		30	23	11	7.1	5.0	3.3
	90	38	26	21	18	16		90	57	30	22	17	12

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	3.7	4.3	5.1	5.8	7.2	12	16	24	35	62	93	138	206
May-Nov.	4.0	4.7	6.2	13	17	21	25	34	51	81	99	139	205
Dec.-Feb.	3.5	3.8	4.4	5.0	5.5	6.2	7.9	14	18	32	79	136	205
Sep.-Nov.	3.6	4.3	5.6	13	15	18	22	29	39	53	77	104	184

BEAVER RIVER BASIN

03097500 Meander Creek at Mineral Ridge, Ohio

LOCATION: Lat 41° 09' 26", long 80° 46' 31", in T. 3 N., R. 3 W., Trumbull County, Hydrologic Unit 05030103, on right bank 0.4 mi upstream from highway bridge, 0.8 mi downstream from Mineral Ridge Dam, and 1.0 mi northwest of Mineral Ridge.

DRAINAGE AREA: 84.3 mi².

TRIBUTARY TO: Mahoning River.

STREAMFLOW DATA USED: August 1929 to September 1951.

REMARKS: Some diversion upstream from station for municipal supply for McDonald, Niles, and Youngstown. Flow regulated by Meander Creek Reservoir.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 1.38 ft³/s
 Average streamflow: 43.8 ft³/s (22 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 1 year)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0.4	0.2	0.1	0	0	Dec.-Feb.	1	0.8	0.4	0.3	0.3	0.2
	7	.6	.3	.2	.1	.1		7	1.0	.5	.4	.3	.3
	30	.7	.5	.4	.3	.3		30	2.3	.7	.5	.4	.3
	90	.9	.6	.5	.5	.4		90	5.0	1.7	.7	.5	.4
May-Nov.	1	0.4	0.2	0.1	0	0	Sep.-Nov.	1	0.5	0.2	0.2	0.1	0.1
	7	.6	.3	.2	.1	.1		7	.7	.4	.3	.2	.2
	30	.8	.5	.4	.4	.3		30	.9	.5	.4	.4	.3
	90	1.0	.7	.6	.5	.4		90	1.4	.7	.5	.5	.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.4	1.8	2.8	6.3	28	103
May-Nov.	.3	.4	.6	.6	.7	.8	.8	1.1	1.4	1.8	2.2	4.3	19
Dec.-Feb.	.4	.5	.6	.7	.8	.9	1.2	1.7	2.5	5.4	15	54	143
Sep.-Nov.	.3	.4	.5	.6	.6	.7	.7	.9	1.1	1.4	1.7	2.0	4.1

BEAVER RIVER BASIN

03098000 Mahoning River at Youngstown, Ohio

LOCATION: Lat 41° 06' 40", long 80° 40' 23", Mahoning County, Hydrologic Unit 05030103, on left bank 400 ft upstream from Bridge Street bridge in Youngstown, and 0.8 mi upstream from Mill Creek.

DRAINAGE AREA: 898 mi².

TRIBUTARY TO: Head of Beaver River.

STREAMFLOW DATA USED: October 1966 to September 1982.

REMARKS: Water diverted upstream from station for municipal supply for city of Youngstown. Some sewage returned to river upstream from station. Water also diverted upstream and downstream from station by a private company for industrial use, some of which is returned to river upstream of station. Flow regulated by Berlin Lake, 48 mi upstream, beginning in 1942; by Milton Reservoir, 40 mi upstream; by Michael J. Kirwan Reservoir, 43 mi upstream on West Branch, beginning in 1966; by Mosquito Creek Lake, 22 mi upstream, beginning in 1943; by Meander Creek Reservoir, 11 mi upstream, beginning in 1929; and by reservoir on Squaw Creek, 5 mi upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 561 ft³/s
 Average streamflow: 1,000 ft³/s (16 years)
 Minimum daily streamflow: 177 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	239	207	194	184	175	Dec.-Feb.	1	239	204	197	195	194
	7	258	221	206	195	183		7	278	228	216	211	207
	30	340	277	248	226	203		30	506	310	245	215	212
	90	444	363	331	308	287		90	1150	800	658	558	463
May-Nov.	1	283	244	223	205	185	Sep.-Nov.	1	299	245	220	201	181
	7	308	262	238	218	195		7	337	270	238	213	186
	30	386	314	276	244	210		30	447	331	279	240	201
	90	475	378	336	306	275		90	664	434	348	289	235

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	229	259	311	348	378	403	428	482	570	728	1050	1550	2300
May-Nov.	236	274	320	353	374	396	412	446	486	553	682	931	1520
Dec.-Feb.	210	229	252	284	323	369	414	570	753	1090	1420	1960	2700
Sep.-Nov.	215	237	267	299	331	358	379	425	489	570	712	1030	1580

BEAVER RIVER BASIN

03098500 Mill Creek at Youngstown, Ohio

LOCATION: Lat 41° 04' 19", long 80° 41' 26", Mahoning County, Hydrologic Unit 05030103, on right bank 600 ft upstream from suspension bridge in Mill Creek Park at Youngstown, 1.0 mi downstream from Newport Dam, and 2.5 mi upstream from mouth.

DRAINAGE AREA: 66.3 mi².

TRIBUTARY TO: Mahoning River.

STREAMFLOW DATA USED: October 1952 to September 1971.

REMARKS: Flow regulated intermittently by Newport Lake Dam beginning 1952.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 3.86 ft³/s
 Average streamflow: 58.1 ft³/s (19 years)
 Minimum daily streamflow: 0.10 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0.5	0.2	0.1	0.1	0.1	Dec.-Feb.	1	7.7	2.1	0.8	0.3	0.1
	7	.9	.3	.2	.1	.1		7	13	5.0	2.2	.9	.3
	30	3.0	1.2	.8	.5	.3		30	19	8.2	5.0	3.3	2.0
	90	6.1	3.5	2.8	2.3	2.0		90	69	33	20	13	6.9
May-Nov.	1	0.6	0.2	0.1	0.1	0.1	Sep.-Nov.	1	0.8	0.3	0.2	0.1	0.1
	7	.9	.3	.2	.1	.1		7	1.3	.5	.3	.2	.1
	30	3.1	1.3	.8	.5	.3		30	4.6	2.0	1.2	.8	.4
	90	6.3	3.6	2.9	2.4	2.0		90	14	6.7	4.7	3.6	2.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.4	1.3	2.5	3.6	5.0	6.7	8.3	13	19	28	41	70	148
May-Nov.	.3	.7	1.7	2.4	3.1	3.9	4.8	6.9	9.6	14	20	31	66
Dec.-Feb.	2.3	4.3	7.3	9.3	12	14	16	22	28	37	54	94	194
Sep.-Nov.	.4	.6	1.3	1.9	2.4	2.9	3.5	5.2	7.4	10	15	23	41

BEAVER RIVER BASIN

03099500 Mahoning River at Lowellville, Ohio

LOCATION: Lat 41° 02' 12", long 80° 32' 11", in T. 1 N., R. 1 W., Mahoning County, Hydrologic Unit 05030103, on left bank 100 ft upstream from First Street bridge at Lowellville, 1.0 mi upstream from Ohio-Pennsylvania State line, and 3.0 mi downstream from Yellow Creek.

DRAINAGE AREA: 1,073 mi².

TRIBUTARY TO: Head of Beaver River.

STREAMFLOW DATA USED: October 1972 to October 1991.

REMARKS: Flow regulated by 5 flood control reservoirs at points 21 mi to 58 mi upstream and by reservoirs on Squaw Creek, 15 mi upstream, on Dry Run, 9 mi upstream, and on Yellow Creek, 5 mi upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 808 ft³/s
 Average streamflow: 1,340 ft³/s (19 years)
 Minimum daily streamflow: 227 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	341	296	274	256	238	Dec.-Feb.	1	382	310	289	278	270
	7	370	323	301	285	267		7	438	334	302	284	270
	30	506	422	380	346	310		30	768	527	439	380	326
	90	672	563	514	477	440		90	1550	1170	1020	911	809
May-Nov.	1	402	340	303	271	234	Sep.-Nov.	1	447	361	314	275	233
	7	440	377	338	305	267		7	475	379	337	306	274
	30	547	459	411	372	328		30	636	490	425	378	329
	90	682	570	531	505	483		90	1010	733	622	543	466

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	353	410	467	505	541	577	616	711	846	1060	1430	2000	2900
May-Nov.	369	419	467	496	523	549	575	637	714	834	1040	1430	2150
Dec.-Feb.	333	371	467	543	625	699	771	952	1200	1490	1900	2450	3360
Sep.-Nov.	336	401	453	490	528	567	606	683	777	919	1130	1480	2110

SHENANGO RIVER BASIN

03102950 Pymatuning Creek at Kinsman, Ohio

LOCATION: Lat 41° 26' 34", long 80° 35' 18", in T. 7 N., R. 1 W., Trumbull County, Hydrologic Unit 05030102, on left bank at downstream side of bridge on State Route 7 at Kinsman, 0.8 mi downstream from Sugar Creek, and 1.2 mi upstream from Stratton Creek.

DRAINAGE AREA: 96.7 mi².

TRIBUTARY TO: Shenango River.

STREAMFLOW DATA USED: October 1965 to September 1994.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 9.31 ft³/s
 Average streamflow: 129 ft³/s (29 years)
 Minimum daily streamflow: 0.02 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	1.6	0.4	0.1	0	0	Dec.-Feb.	1	32	16	9.2	4.3	1.5
	7	2.0	.6	.3	.2	.1		7	37	20	13	7.8	4.0
	30	5.0	2.1	1.2	.7	.4		30	66	39	29	23	18
	90	14	6.6	4.5	3.2	2.3		90	197	149	125	107	89
May-Nov.	1	1.5	0.4	0.1	0	0	Sep.-Nov.	1	3.4	1.2	0.7	0.4	0.2
	7	2.0	.6	.3	.2	.1		7	5.5	2.0	1.1	.7	.4
	30	5.0	2.1	1.2	.7	.4		30	15	5.9	3.8	2.7	1.9
	90	14	6.6	4.5	3.2	2.3		90	72	32	20	14	9.0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	1.5	3.0	5.5	8.3	12	17	23	38	57	85	129	205	358
May-Nov.	1.0	2.0	3.4	4.9	6.5	8.3	10	16	25	37	58	105	216
Dec.-Feb.	18	23	32	39	46	54	62	84	110	150	206	297	488
Sep.-Nov.	1.8	3.0	4.7	6.2	8.3	11	13	21	33	48	80	137	247

LITTLE BEAVER CREEK BASIN

03108980 Middle Fork Little Beaver Creek near Salem, Ohio

LOCATION: Lat 40° 54' 20", long 80° 48' 17", Mahoning County, Hydrologic Unit 05030101, at bridge on State Route Alternate 14, 1.1 mi east of Salem, 4.0 mi upstream from East Branch Middle Fork Little Beaver Creek.

DRAINAGE AREA: 35.7 mi².

TRIBUTARY TO: Head of Little Beaver Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1979-83 water years.

INDEX STATION: 03109500 Little Beaver Creek near East Liverpool, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 6.1 ft³/s August 1981.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	4.2	2.9	2.6	Dec.-Feb.	1	9.9	5.8	4.9
	7	4.5	3.1	2.8		7	11	6.2	5.2
	30	5.6	3.8	3.5		30	15	8.2	6.8
	90	7.6	4.9	4.4		90	27	16	13
May-Nov.	1	4.2	2.9	2.6	Sep.-Nov.	1	4.4	3.2	3.0
	7	4.5	3.1	2.8		7	4.8	3.4	3.2
	30	5.6	3.8	3.5		30	6.2	4.1	3.8
	90	7.6	4.9	4.4		90	11	6.0	5.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	3.9	4.6	5.5	6.4	7.4
May-Nov.	3.6	4.1	4.8	5.3	5.9
Dec.-Feb.	6.1	7.2	8.8	9.8	11
Sep.-Nov.	3.6	4.0	4.5	4.8	5.2

LITTLE BEAVER CREEK BASIN

03108985 Cherry Valley Run at Leetonia, Ohio

LOCATION: Lat 40° 52' 33", long 80° 45' 24", Columbiana County, Hydrologic Unit 05030101, at bridge on Madison Street in Leetonia.

DRAINAGE AREA: 11.9 mi².

TRIBUTARY TO: East Branch Middle Fork Little Beaver Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1978-82 water years.

INDEX STATION: 03109500 Little Beaver Creek near East Liverpool, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.7 ft³/s September 1979.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.0	0.6	0.5	Dec.-Feb.	1	3.4	1.6	1.3
	7	1.2	.7	.6		7	3.9	1.8	1.4
	30	1.6	.9	.8		30	6.4	2.7	2.0
	90	2.4	1.3	1.1		90	14	6.4	4.9
May-Nov.	1	1.0	0.6	0.5	Sep.-Nov.	1	1.1	0.7	0.6
	7	1.2	.7	.6		7	1.3	.8	.7
	30	1.6	.9	.8		30	1.8	1.0	.9
	90	2.4	1.3	1.1		90	3.9	1.7	1.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.0	1.2	1.5	1.9	2.3
May-Nov.	.8	1.0	1.2	1.5	1.7
Dec.-Feb.	1.8	2.2	2.9	3.4	4.1
Sep.-Nov.	.8	1.0	1.2	1.3	1.4

LITTLE BEAVER CREEK BASIN

03108990 East Branch Middle Fork Little Beaver Creek at Leetonia, Ohio

LOCATION: Lat 40° 52' 16", long 80° 45' 54", Columbiana County, Hydrologic Unit 05030101, at bridge on State Route 344, 0.6 mi southwest of Leetonia, 1.5 mi upstream from Middle Fork Little Beaver Creek.

DRAINAGE AREA: 28.0 mi².

TRIBUTARY TO: Head of Little Beaver Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1979-83 water years.

INDEX STATION: 03109500 Little Beaver Creek near East Liverpool, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.4 ft³/s September 1982.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.2	0.7	0.6	Dec.-Feb.	1	3.8	1.8	1.5
	7	1.3	.8	.7		7	4.3	2.0	1.6
	30	1.8	1.0	.9		30	6.9	3.0	2.3
	90	2.7	1.5	1.3		90	15	7.0	5.3
May-Nov.	1	1.2	0.7	0.6	Sep.-Nov.	1	1.3	0.8	0.8
	7	1.3	.8	.7		7	1.4	.9	.8
	30	1.8	1.0	.9		30	2.0	1.2	1.0
	90	2.7	1.5	1.3		90	4.3	1.9	1.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.1	1.4	1.7	2.1	2.6
May-Nov.	1.0	1.2	1.4	1.7	1.9
Dec.-Feb.	2.0	2.5	3.2	3.8	4.6
Sep.-Nov.	1.0	1.1	1.3	1.5	1.6

LITTLE BEAVER CREEK BASIN

03108996 Middle Fork Little Beaver Creek at Teegarden, Ohio

LOCATION: Lat 40° 49' 18", long 80° 49' 37", Columbiana County, Hydrologic Unit 05030101, at Teegarden covered bridge of Eagleton Road, 3.3 mi downstream from Stone Mill Run, 1.0 mi northeast of Salem Reservoir, 4.5 mi northwest of Lisbon.

DRAINAGE AREA: 90.2 mi².

TRIBUTARY TO: Head of Little Beaver Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1995-99 water years.

INDEX STATION: 03109500 Little Beaver Creek near East Liverpool, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 8.6 ft³/s September 1999.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	7.9	4.7	4.1	Dec.-Feb.	1	25	12	9.7
	7	8.6	5.2	4.5		7	29	13	11
	30	12	7.0	6.1		30	46	20	15
	90	18	9.7	8.4		90	102	47	36
May-Nov.	1	7.9	4.7	4.1	Sep.-Nov.	1	8.5	5.4	5.0
	7	8.7	5.2	4.5		7	9.5	5.9	5.4
	30	12	7.0	6.1		30	13	7.6	6.9
	90	18	9.7	8.4		90	28	13	10

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	7.2	8.9	11	14	17
May-Nov.	6.4	7.8	9.4	11	13
Dec.-Feb.	13	17	22	25	30
Sep.-Nov.	6.4	7.4	8.6	9.6	11

LITTLE BEAVER CREEK BASIN

03109000 Lisbon Creek at Lisbon, Ohio

LOCATION: Lat 40° 46' 55", long 80° 45' 50", in NW 1/4 sec. 13, T. 14 N., R. 3 W., Columbiana County, Hydrologic Unit 05030101, on left bank at City Water Works of Lisbon, 800 ft upstream from bridge on State Route 164, and 1.0 mi upstream from mouth.

DRAINAGE AREA: 6.19 mi².

TRIBUTARY TO: Middle Fork Little Beaver Creek.

STREAMFLOW DATA USED: October 1946 to September 1962.

REMARKS: Water supply for city of Lisbon is pumped from wells adjacent to Lisbon Creek just upstream from station and is returned as sewage downstream from station.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 0.69 ft³/s
 Average streamflow: 5.84 ft³/s (16 years)
 Minimum daily streamflow: 0.10 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0.1	0.1	0.1	0.1	0.1	Dec.-Feb.	1	0.7	0.3	0.2	0.2	0.1
	7	.2	.2	.1	.1	.1		7	.9	.4	.3	.2	.1
	30	.2	.2	.1	.1	.1		30	1.9	.7	.4	.2	.1
	90	.5	.3	.2	.2	.1		90	8.1	3.7	2.2	1.3	.7
May-Nov.	1	0.1	0.1	0.1	0.1	0.1	Sep.-Nov.	1	0.2	0.1	0.1	0.1	0.1
	7	.2	.1	.1	.1	.1		7	.2	.1	.1	.1	.1
	30	.2	.2	.1	.1	.1		30	.3	.2	.1	.1	.1
	90	.5	.3	.2	.2	.1		90	1.0	.5	.3	.2	.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.1	0.2	0.3	0.3	0.4	0.6	0.7	1.3	2.2	3.7	5.3	7.8	14
May-Nov.	.1	.1	.2	.2	.3	.3	.4	.6	.9	1.4	2.3	3.6	6.5
Dec.-Feb.	.3	.3	.4	.6	.9	1.2	1.5	2.7	4.0	5.4	7.3	10	19
Sep.-Nov.	.1	.1	.2	.2	.2	.3	.3	.4	.6	.8	1.2	1.8	3.0

LITTLE BEAVER CREEK BASIN

03109100 Middle Fork Little Beaver Creek near Rogers, Ohio

LOCATION: Lat 40° 43' 22", long 80° 38' 03", Columbiana County, Hydrologic Unit 05030101, at State Route 7 bridge, 0.4 mi upstream from West Fork Little Beaver Creek, 5.0 mi south of Rogers.

DRAINAGE AREA: 149 mi².

TRIBUTARY TO: Head of Little Beaver Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1959, 1960, and 1972-77 water years.

INDEX STATION: 03109500 Little Beaver Creek near East Liverpool, Ohio.

REMARKS: Salem, Leetonia, and Lisbon discharge sewage several miles upstream. Effect is minimal.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 11 ft³/s August 1973.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	15	10	9.1	Dec.-Feb.	1	38	21	18
	7	16	11	9.8		7	42	23	19
	30	21	14	13		30	62	31	26
	90	29	18	16		90	115	62	50
May-Nov.	1	15	10	9.1	Sep.-Nov.	1	16	11	11
	7	16	11	9.8		7	18	12	11
	30	21	14	13		30	23	15	14
	90	29	18	16		90	42	22	19

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	14	17	20	24	28
May-Nov.	13	15	18	20	22
Dec.-Feb.	23	27	34	38	44
Sep.-Nov.	13	15	16	18	19

LITTLE BEAVER CREEK BASIN

03109200 West Fork Little Beaver Creek at West Point, Ohio

LOCATION: Lat 40° 42' 38", long 80° 41' 49", Columbiana County, Hydrologic Unit 05030101, at bridge on U.S. Highway 30, 0.3 mi downstream from Patterson Creek, at West Point.

DRAINAGE AREA: 99.9 mi².

TRIBUTARY TO: Little Beaver Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1959 and 1972-77 water years.

INDEX STATION: 03109500 Little Beaver Creek near East Liverpool, Ohio.

REMARKS: No diversion, but slight regulation at Guilford Lake in headwater upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 5.3 ft³/s September 1959.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	3.8	1.9	1.6	Dec.-Feb.	1	18	6.8	5.0
	7	4.3	2.2	1.8		7	21	7.7	5.7
	30	6.4	3.3	2.8		30	39	13	9.1
	90	11	5.1	4.1		90	111	40	28
May-Nov.	1	3.8	1.9	1.6	Sep.-Nov.	1	4.2	2.3	2.1
	7	4.3	2.2	1.8		7	4.9	2.6	2.4
	30	6.4	3.3	2.8		30	7.6	3.7	3.2
	90	11	5.1	4.1		90	21	7.3	5.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	3.4	4.5	6.2	8.3	11
May-Nov.	2.9	3.8	4.8	5.9	7.1
Dec.-Feb.	7.5	10	14	18	23
Sep.-Nov.	2.9	3.5	4.3	5.0	5.6

LITTLE BEAVER CREEK BASIN

03109395 Bull Creek at Negley, Ohio

LOCATION: Lat 40° 47' 15", long 80° 32' 42", Columbiana County, Hydrologic Unit 05030101, at bridge on State Route 170, 0.6 mi upstream from North Fork Little Beaver Creek, at Negley.

DRAINAGE AREA: 55.4 mi².

TRIBUTARY TO: Little Beaver Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1979-82 water years.

INDEX STATION: 03109500 Little Beaver Creek near East Liverpool, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 7.0 ft³/s August 1981.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	3.7	2.0	1.7	Dec.-Feb.	1	14	6.1	4.7
	7	4.1	2.2	1.9		7	17	6.8	5.2
	30	5.8	3.2	2.8		30	29	11	7.9
	90	9.5	4.7	3.9		90	73	30	21
May-Nov.	1	3.7	2.0	1.7	Sep.-Nov.	1	4.0	2.4	2.1
	7	4.1	2.2	1.9		7	4.6	2.6	2.4
	30	5.8	3.2	2.8		30	6.8	3.6	3.1
	90	9.6	4.7	3.9		90	16	6.5	5.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	3.3	4.2	5.7	7.3	9.1
May-Nov.	2.9	3.6	4.5	5.4	6.4
Dec.-Feb.	6.7	8.8	12	14	18
Sep.-Nov.	2.9	3.4	4.1	4.6	5.2

LITTLE BEAVER CREEK BASIN

03109400 North Fork Little Beaver Creek near Negley, Ohio

LOCATION: Lat 40° 46' 30", long 80° 32' 36", Columbiana County, Hydrologic Unit 05030101, 0.5 mi downstream from Bull Creek at unnamed road bridge at Anchor, 1.1 mi south of Negley.

DRAINAGE AREA: 166 mi².

TRIBUTARY TO: Little Beaver Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1959 and 1972-76 water years.

INDEX STATION: 03109500 Little Beaver Creek near East Liverpool, Ohio.

REMARKS: No major regulation or diversion known. East Palestine sewage is discharged into Leslie Run 4.0 mi upstream. Although quantity of sewage is unknown, the effect is considered to be minor.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 16 ft³/s September 1959.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	15	9.1	7.9	Dec.-Feb.	1	48	23	19
	7	17	10	8.8		7	55	26	20
	30	22	13	12		30	88	38	29
	90	34	19	16		90	192	89	68
May-Nov.	1	15	9.1	8.0	Sep.-Nov.	1	16	10	9.6
	7	17	10	8.7		7	18	11	11
	30	22	13	12		30	26	15	13
	90	34	19	16		90	54	25	20

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	14	17	22	27	33
May-Nov.	12	15	18	21	24
Dec.-Feb.	25	32	41	48	58
Sep.-Nov.	12	14	17	19	20

LITTLE BEAVER CREEK BASIN

03109500 Little Beaver Creek near East Liverpool, Ohio

LOCATION: Lat 40° 40' 33", long 80° 32' 27", Columbiana County, Hydrologic Unit 05030101, on right bank at downstream side of Grimms Bridge, 1.5 mi upstream from Island Run, 4.0 mi upstream from mouth, and 4.0 mi northeast of East Liverpool.

DRAINAGE AREA: 496 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1915 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 132 ft³/s
 Average streamflow: 523 ft³/s (82 years)
 Minimum daily streamflow: 12.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	33	22	18	15	13	Dec.-Feb.	1	130	75	55	42	31
	7	37	24	20	17	14		7	150	85	61	47	34
	30	52	34	28	25	21		30	264	138	97	71	50
	90	85	53	42	35	29		90	669	383	269	194	130
May-Nov.	1	33	22	18	15	13	Sep.-Nov.	1	36	25	21	19	17
	7	37	24	20	17	14		7	41	27	23	21	19
	30	52	34	28	25	21		30	61	38	32	28	25
	90	86	53	42	35	29		90	149	79	58	46	35

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	29	38	51	66	82	100	121	175	248	349	495	729	1240
May-Nov.	26	32	40	48	57	66	78	103	136	183	251	375	679
Dec.-Feb.	60	79	108	129	161	199	231	300	381	493	648	950	1600
Sep.-Nov.	26	31	37	42	46	52	59	76	97	128	174	260	460

YELLOW CREEK BASIN

03109861 Yellow Creek at Bergholz, Ohio

LOCATION: Lat 40° 30' 54", long 80° 53' 17", Jefferson County, Hydrologic Unit 05030101, at bridge on State Route 164, 0.8 mi downstream from Elkhorn Creek, 0.4 mi southwest of Bergholz.

DRAINAGE AREA: 65.8 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1994-99 water years.

INDEX STATION: 03110000 Yellow Creek near Hammondsville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.4 ft³/s September 1999.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	2.0	0.7	0.5	Dec.-Feb.	1	13	4.0	2.8
	7	2.4	.8	.6		7	16	5.5	3.9
	30	3.7	1.4	1.1		30	30	8.8	5.8
	90	7.5	3.0	2.3		90	79	31	21
May-Nov.	1	2.0	0.7	0.5	Sep.-Nov.	1	2.2	0.7	0.5
	7	2.4	.8	.6		7	2.8	.9	.6
	30	3.7	1.4	1.1		30	5.2	1.8	1.3
	90	7.6	3.0	2.3		90	16	4.9	3.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.5	2.5	4.1	5.8	7.5
May-Nov.	1.2	1.8	2.8	3.8	4.8
Dec.-Feb.	4.6	6.7	9.8	14	17
Sep.-Nov.	1.0	1.4	2.0	2.7	3.4

YELLOW CREEK BASIN

03110000 Yellow Creek near Hammondsville, Ohio

LOCATION: Lat 40° 32' 16", long 80° 43' 31", in sec. 29, T. 8 N., R. 2 W., Jefferson County, Hydrologic Unit 05030101, on right bank 1,000 ft upstream from Lowery Run, 0.9 mi upstream from Brush Creek and 1.6 mi southwest of Hammondsville.

DRAINAGE AREA: 147 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: November 1940 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 26.8 ft³/s
 Average streamflow: 162 ft³/s (56 years)
 Minimum daily streamflow: 0.80 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	5.3	2.7	1.8	1.3	0.9	Dec.-Feb.	1	35	17	11	7.6	4.8
	7	6.4	3.2	2.2	1.6	1.1		7	44	22	15	11	7.0
	30	10	5.4	3.9	3.0	2.2		30	83	38	24	16	9.7
	90	20	11	8.2	6.4	4.8		90	218	124	84	59	37
May-Nov.	1	5.3	2.7	1.8	1.3	0.9	Sep.-Nov.	1	6.0	2.8	1.9	1.4	0.9
	7	6.4	3.2	2.2	1.6	1.1		7	7.7	3.5	2.4	1.7	1.2
	30	10	5.4	3.9	3.0	2.2		30	14	6.9	4.8	3.6	2.6
	90	21	11	8.1	6.3	4.8		90	45	21	13	9.2	5.9

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	4.1	6.7	11	16	20	26	33	50	76	110	159	236	394
May-Nov.	3.2	4.8	7.5	10	13	16	20	27	38	52	75	115	209
Dec.-Feb.	13	18	27	37	48	59	70	95	124	161	220	310	500
Sep.-Nov.	2.7	3.9	5.5	7.3	9.3	12	14	20	26	35	51	80	142

YELLOW CREEK BASIN

03110600 North Fork Yellow Creek at Hammondsville, Ohio

LOCATION: Lat 40° 33' 27", long 80° 42' 20", Jefferson County, Hydrologic Unit 05030101, at bridge on State Route 213, at north edge of Hammondsville.

DRAINAGE AREA: 59.4 mi².

TRIBUTARY TO: Yellow Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1959 and 1962-74 water years.

INDEX STATION: 03109500 Little Beaver Creek near East Liverpool, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.0 ft³/s September 1959.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.9	0.9	0.8	Dec.-Feb.	1	9.3	3.4	2.5
	7	2.1	1.0	.9		7	11	3.9	2.8
	30	3.2	1.6	1.3		30	21	6.6	4.6
	90	5.7	2.5	2.0		90	63	22	15
May-Nov.	1	1.9	0.9	0.8	Sep.-Nov.	1	2.1	1.1	1.0
	7	2.1	1.0	.9		7	2.4	1.3	1.1
	30	3.2	1.6	1.3		30	3.9	1.8	1.6
	90	5.8	2.5	2.0		90	11	3.7	2.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.6	2.2	3.1	4.2	5.4
May-Nov.	1.4	1.8	2.4	3.0	3.6
Dec.-Feb.	3.8	5.2	7.5	9.2	12
Sep.-Nov.	1.4	1.7	2.1	2.5	2.8

ISLAND CREEK BASIN

03110850 Island Creek near Toronto, Ohio

LOCATION: Lat 40° 25' 44", long 80° 37' 00", Jefferson County, Hydrologic Unit 05030101, at boat ramp on State Route 7, downstream from Little Island Creek, and 2.0 mi south of Toronto.

DRAINAGE AREA: 26.4 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1976-79 water years.

INDEX STATION: 03110000 Yellow Creek near Hammondsville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 2.3 ft³/s September 1976.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.4	0.5	0.4	Dec.-Feb.	1	7.4	2.6	1.9
	7	1.6	.6	.5		7	9.0	3.4	2.5
	30	2.4	1.0	.8		30	16	5.3	3.7
	90	4.6	2.0	1.6		90	39	16	12
May-Nov.	1	1.4	0.5	0.4	Sep.-Nov.	1	1.5	0.5	0.4
	7	1.6	.6	.5		7	1.9	.7	.5
	30	2.4	1.0	.8		30	3.3	1.2	1.0
	90	4.6	2.0	1.6		90	9.2	3.1	2.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.1	1.7	2.6	3.6	4.6
May-Nov.	.9	1.2	1.9	2.4	3.1
Dec.-Feb.	3.0	4.1	5.8	7.9	9.9
Sep.-Nov.	.7	1.0	1.4	1.8	2.3

CROSS CREEK BASIN

03111000 Cross Creek at Mingo Junction, Ohio

LOCATION: Lat 40° 19' 03", long 80° 34' 45", Jefferson County, Hydrologic Unit 05030101, adjacent to county road, 1.3 mi east of Gould, 1.0 mi southwest of Mingo Junction.

DRAINAGE AREA: 125 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1950, 1951, 1953, 1959, and 1962-71 water years.

INDEX STATION: 03110000 Yellow Creek near Hammondsville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 2.1 ft³/s September 1963.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	6.1	2.8	2.3	Dec.-Feb.	1	24	10	7.9
	7	7.0	3.3	2.6		7	28	13	10
	30	9.7	4.9	4.1		30	44	18	13
	90	16	8.4	7.0		90	88	45	34
May-Nov.	1	6.1	2.8	2.3	Sep.-Nov.	1	6.7	2.9	2.3
	7	7.0	3.3	2.6		7	8.0	3.4	2.7
	30	9.7	4.9	4.1		30	12	5.7	4.6
	90	16	8.3	7.0		90	28	12	9.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	5.1	7.3	10	13	16
May-Nov.	4.3	5.7	7.9	9.8	12
Dec.-Feb.	11	15	20	25	30
Sep.-Nov.	3.8	4.9	6.3	7.7	9.2

SHORT CREEK BASIN

03111465 Short Creek at Adena, Ohio

LOCATION: Lat 40° 13' 09", long 80° 52' 22", Jefferson County, Hydrologic Unit 05030106, at bridge on Adena-Smithfield Road in Adena, 400 ft downstream from North Fork.

DRAINAGE AREA: 63.9 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1981-82 and 1994-99 water years.

INDEX STATION: 03111500 Short Creek near Dillonvale, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 7.7 ft³/s September 1999.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	9.5	4.0	3.0	Dec.-Feb.	1	19	7.8	5.8
	7	10	5.0	4.1		7	23	9.2	6.8
	30	13	6.8	5.8		30	37	14	10
	90	18	10	9.0		90	75	33	25
May-Nov.	1	9.7	4.2	3.2	Sep.-Nov.	1	11	4.4	3.3
	7	11	5.3	4.4		7	11	5.7	4.7
	30	13	6.9	6.0		30	16	7.8	6.6
	90	18	10	8.9		90	25	12	10

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	7.4	9.4	12	15	18
May-Nov.	6.9	8.5	10	12	14
Dec.-Feb.	8.0	12	16	20	24
Sep.-Nov.	6.2	7.7	9.2	10	11

SHORT CREEK BASIN

03111500 Short Creek near Dillonvale, Ohio

LOCATION: Lat 40° 11' 38", long 80° 44' 03", in sec. 30, T. 4 N., R. 2 W., Jefferson County, Hydrologic Unit 05030106, on right bank 350 ft downstream from bridge on State Route 150, 2.1 mi east of Dillonvale, 2.2 mi downstream from Jug Run, and 2.9 mi upstream from Little Short Creek.

DRAINAGE AREA: 123 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1941 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 50.9 ft³/s
 Average streamflow: 130 ft³/s (56 years)
 Minimum daily streamflow: 2.80 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	17	9.9	7.2	5.4	3.8	Dec.-Feb.	1	37	20	14	11	7.4
	7	19	12	9.1	7.3	5.8		7	43	24	17	12	8.6
	30	24	15	13	11	9.0		30	71	38	26	19	13
	90	33	23	19	17	14		90	147	88	64	48	34
May-Nov.	1	18	10	7.6	5.8	4.2	Sep.-Nov.	1	19	11	7.9	5.9	4.3
	7	19	12	9.7	8.0	6.5		7	21	13	10	8.5	6.8
	30	24	16	13	11	9.2		30	29	18	14	12	9.9
	90	34	23	19	17	14		90	48	30	23	19	15

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	14	17	23	28	33	38	45	60	80	106	138	187	273
May-Nov.	13	16	19	23	26	30	34	42	52	66	87	116	177
Dec.-Feb.	15	22	30	37	45	53	62	81	102	130	162	215	327
Sep.-Nov.	11	14	17	19	21	24	26	31	37	46	58	78	118

WHEELING CREEK BASIN

03111548 Wheeling Creek below Blaine, Ohio

LOCATION: Lat 40° 04' 01", long 80° 48' 31", Belmont County, Hydrologic Unit 05030106, on left bank at bridge on Pease Township Road 320 near U.S. Route 40, 0.5 mi east of Blaine, and 4.8 mi upstream from mouth.

DRAINAGE AREA: 97.7 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: January 1982 to September 1987, October 1988 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 51.9 ft³/s
 Average streamflow: 111 ft³/s (13 years)
 Minimum daily streamflow: 7.00 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	18	12	9.1	7.3	5.5	Dec.-Feb.	1	36	25	20	16	12
	7	20	13	9.9	7.8	5.8		7	39	26	21	18	15
	30	25	16	12	9.6	7.4		30	58	41	36	33	30
	90	35	25	21	19	16		90	121	89	77	69	61
May-Nov.	1	19	12	9.2	7.2	5.4	Sep.-Nov.	1	19	12	9.2	7.2	5.3
	7	21	13	10	7.8	5.7		7	21	13	9.6	7.6	5.8
	30	25	16	12	9.6	7.4		30	30	18	14	12	9.2
	90	36	25	21	18	16		90	58	39	32	27	22

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	16	21	27	32	36	40	45	57	72	91	115	153	229
May-Nov.	12	18	22	26	29	32	35	42	49	60	77	104	157
Dec.-Feb.	23	33	39	44	50	56	62	74	89	106	132	175	261
Sep.-Nov.	9.0	14	19	21	24	26	28	34	40	48	61	80	113

WHEELING CREEK BASIN

0311550 Wheeling Creek at Brookside, Ohio

LOCATION: Lat 40° 04' 05", long 80° 46' 50", Belmont County, Hydrologic Unit 05030106, at bridge on County Road 28, in Brookside, 0.1 mi downstream from Mutton Hollow.

DRAINAGE AREA: 103 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1959 and 1962-72 water years.

INDEX STATION: 0311550 Short Creek near Dillonvale, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 8.2 ft³/s August 1962.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	12	4.9	3.6	Dec.-Feb.	1	27	10	7.3
	7	13	6.2	5.0		7	32	12	8.7
	30	17	8.7	7.3		30	54	19	13
	90	24	13	12		90	116	48	36
May-Nov.	1	13	5.2	3.9	Sep.-Nov.	1	14	5.4	4.0
	7	14	6.6	5.4		7	15	7.1	5.8
	30	17	8.8	7.5		30	21	10	8.3
	90	25	14	12		90	36	17	13

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	9.5	12	16	20	24
May-Nov.	8.8	11	14	16	19
Dec.-Feb.	10	16	22	27	33
Sep.-Nov.	7.9	9.9	12	13	15

MCMAHON CREEK BASIN

03112820 McMahon Creek at Glencoe, Ohio

LOCATION: Lat 40° 00' 10", long 80° 52' 38", Belmont County, Hydrologic Unit 05030106, at bridge on County Road 149, 0.7 mi southeast of Glencoe.

DRAINAGE AREA: 50.7 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1981, 1982, 1995, and 1997-99 water years.

INDEX STATION: 03114000 Captina Creek at Armstrongs Mills, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.4 ft³/s September 1995.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.8	0	0	Dec.-Feb.	1	16	5.1	3.3
	7	1.1	0	0		7	19	6.1	4.1
	30	3.4	.4	.2		30	38	12	7.9
	90	8.2	2.2	1.5		90	81	40	30
May-Nov.	1	0.8	0	0	Sep.-Nov.	1	1.2	0	0
	7	1.1	0	0		7	2.0	.1	0
	30	3.4	.4	.2		30	5.4	.6	.3
	90	8.3	2.2	1.5		90	21	4.8	2.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.4	1.4	2.8	4.5	6.8
May-Nov.	.1	.7	1.6	2.4	3.4
Dec.-Feb.	7.0	10	15	19	22
Sep.-Nov.	.1	.4	1.1	1.8	2.6

MCMAHON CREEK BASIN

03113550 McMahon Creek at Bellaire, Ohio

LOCATION: Lat 40° 00' 39", long 80° 45' 45", Belmont County, Hydrologic Unit 05030106, at bridge on county road connecting Bellaire with State Route 147, 300 ft upstream from city limits, 800 ft downstream from Brooks Run.

DRAINAGE AREA: 90.2 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1981, 1982, and 1995-99 water years.

INDEX STATION: 03114000 Captina Creek at Armstrongs Mills, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 2.4 ft³/s September 1999.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	2.5	1.0	0.3	Dec.-Feb.	1	30	12	8.3
	7	3.4	1.2	.5		7	35	14	9.9
	30	8.5	1.5	.6		30	62	24	17
	90	18	6.0	4.3		90	117	64	51
May-Nov.	1	2.5	1.0	0.3	Sep.-Nov.	1	3.7	0.7	0
	7	3.4	1.2	.5		7	5.5	.4	.2
	30	8.5	1.5	.6		30	12	2.0	1.0
	90	18	6.0	4.3		90	38	11	7.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.6	4.0	7.3	11	15
May-Nov.	.5	2.4	4.6	6.5	8.6
Dec.-Feb.	15	21	29	35	40
Sep.-Nov.	.5	1.6	3.4	5.0	6.7

CAPTINA CREEK BASIN

03114000 Captina Creek at Armstrongs Mills, Ohio

LOCATION: Lat 39° 54' 31", long 80° 55' 27", in NE 1/4 sec. 10, T. 5 N., R. 4 W., Belmont County, Hydrologic Unit 05030106, on left bank at downstream side of bridge on State Route 148, 0.5 mi east of Armstrongs Mills, and 0.7 mi downstream from Anderson Run.

DRAINAGE AREA: 134 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1926 to September 1935, October 1958 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 7.00 ft³/s
 Average streamflow: 165 ft³/s (48 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 12 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	1.0	0.1	0	0	0	Dec.-Feb.	1	35	15	9.0	5.5	2.9
	7	1.5	.2	0	0	0		7	43	19	11	7.0	3.8
	30	5.6	1.3	.5	.1	0		30	98	43	25	15	8.3
	90	16	6.0	3.4	2.1	1.2		90	246	148	104	74	48
May-Nov.	1	1.0	0.1	0	0	0	Sep.-Nov.	1	1.7	0.2	0	0	0
	7	1.5	.2	0	0	0		7	3.0	.4	.1	0	0
	30	5.6	1.3	.5	.1	0		30	9.6	1.9	.7	.3	.1
	90	16	6.0	3.4	2.1	1.2		90	48	17	8.5	4.5	2.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.5	1.9	4.5	7.9	13	18	24	41	66	101	148	224	384
May-Nov.	.1	.9	2.3	3.8	5.7	7.9	11	17	26	40	61	102	202
Dec.-Feb.	13	21	33	43	52	63	76	102	130	168	224	318	520
Sep.-Nov.	.1	.5	1.5	2.6	4.0	5.6	7.4	12	18	26	43	73	148

SUNFISH CREEK BASIN

03114250 Sunfish Creek at Cameron, Ohio

LOCATION: Lat 39° 46' 00", long 80° 56' 05", Monroe County, Hydrologic Unit 05030201, at bridge on State Route 78, 0.5 mi east of Cameron, 4.0 mi upstream from mouth.

DRAINAGE AREA: 99.6 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1959, 1962-69, 1971-73, and 1995 water years.

INDEX STATION: 03115400 Little Muskingum River at Bloomfield, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.2 ft³/s October 1963.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.9	0.2	0.1	Dec.-Feb.	1	9.5	3.4	2.5
	7	1.0	.3	.2		7	11	3.8	2.8
	30	2.2	.6	.4		30	23	7.0	4.7
	90	5.7	1.7	1.2		90	43	24	20
May-Nov.	1	0.9	0.2	0.1	Sep.-Nov.	1	1.0	0.2	0.1
	7	1.0	.3	.2		7	1.5	.3	.2
	30	2.1	.6	.4		30	3.1	.7	.5
	90	5.7	1.7	1.2		90	14	3.8	2.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.6	1.1	2.2	3.4	4.7
May-Nov.	.5	.7	1.3	1.9	2.6
Dec.-Feb.	4.8	6.7	8.2	10	12
Sep.-Nov.	.3	.6	.8	1.2	1.6

LITTLE MUSKINGUM RIVER BASIN

03115300 Little Muskingum River near Rinard Mills, Ohio

LOCATION: Lat 39° 36' 25", long 81° 07' 21", Monroe County, Hydrologic Unit 05030201, at County Road 68 bridge, 1.5 mi upstream from Straight Fork, and 2.3 mi northeast of Rinard Mills.

DRAINAGE AREA: 130 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1972-77 water years.

INDEX STATION: 03115400 Little Muskingum River at Bloomfield, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.3 ft³/s August 1973.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.7	0.1	0	Dec.-Feb.	1	23	5.2	3.2
	7	.9	.2	.1		7	28	6.0	3.8
	30	2.6	.4	.2		30	86	15	8.2
	90	11	1.8	1.1		90	214	93	68
May-Nov.	1	0.7	0.1	0	Sep.-Nov.	1	0.8	0.1	0
	7	.9	.2	.1		7	1.4	.2	.1
	30	2.5	.4	.2		30	4.3	.5	.3
	90	11	1.8	1.1		90	40	6.0	2.7

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	.3	1.0	2.7	5.1	8.3
May-Nov.	.3	.5	1.2	2.2	3.4
Dec.-Feb.	8.4	14	19	26	34
Sep.-Nov.	.2	.3	.6	1.1	1.7

LITTLE MUSKINGUM RIVER BASIN

03115400 Little Muskingum River at Bloomfield, Ohio

LOCATION: Lat 39° 33' 47", long 81° 12' 14", in sec. 22, T. 3 N., R. 6 W., Washington County, Hydrologic Unit 05030201, on left bank 400 ft upstream from bridge on State Route 260 at Bloomfield, 2.2 mi downstream from Wilson Run.

DRAINAGE AREA: 210 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1958 to September 1981, October 1995 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 8.31 ft³/s
 Average streamflow: 272 ft³/s (25 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 1 year)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	1.2	0.4	0.2	0.1	0	Dec.-Feb.	1	43	17	9.4	5.8	3.2
	7	1.6	.5	.3	.2	.1		7	52	20	11	6.8	3.8
	30	4.7	1.4	.7	.4	.2		30	160	50	27	15	8.7
	90	20	6.0	3.2	1.9	1.0		90	404	244	174	126	83
May-Nov.	1	1.2	0.4	0.2	0.1	0	Sep.-Nov.	1	1.5	0.4	0.2	0.1	0
	7	1.6	.5	.3	.2	.1		7	2.6	.6	.3	.2	.1
	30	4.6	1.4	.7	.4	.3		30	7.9	1.8	.9	.5	.2
	90	20	6.0	3.2	1.9	1.0		90	74	25	11	4.9	2.0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.6	1.8	4.8	9.2	15	22	31	56	98	156	236	366	656
May-Nov.	.5	.9	2.2	3.9	6.2	8.8	12	22	35	57	94	155	332
Dec.-Feb.	15	25	34	47	64	83	103	145	196	261	343	509	926
Sep.-Nov.	.3	.6	1.1	1.9	3.0	4.5	6.9	13	22	36	65	124	267

LITTLE MUSKINGUM RIVER BASIN

03115500 Little Muskingum River at Fay, Ohio

LOCATION: Lat 39° 28' 48", long 81° 17' 09", in SE 1/4 sec. 10, T. 3 N., R. 7 W., Washington County, Hydrologic Unit 05030201, 300 ft upstream from Buckeye Pipe Line Company's pumping station, 0.5 mi downstream from Bear Run, and 1.0 mi northwest of Fay.

DRAINAGE AREA: 259 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: June 1915 to September 1918, October 1925 to September 1935.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 7.04 ft³/s
 Average streamflow: 340 ft³/s (11 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 2 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	3.2	0.1	0	0	0	Dec.-Feb.	1	35	8.4	3.4	1.5	0.5
	7	3.7	.5	0	0	0		7	43	13	6.0	3.2	1.4
	30	8.6	1.7	.6	.2	0		30	180	53	24	11	4.3
	90	46	14	5.5	2.1	.6		90	550	280	170	100	53
May-Nov.	1	3.2	0.1	0	0	0	Sep.-Nov.	1	5.6	1.0	0.3	0.1	0
	7	3.7	.5	0	0	0		7	6.7	1.3	.5	.2	0
	30	8.6	1.8	.6	.2	.1		30	13	2.3	.9	.4	.1
	90	49	16	6.4	2.5	.7		90	100	21	7.0	2.5	.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.3	1.7	5.9	9.0	14	20	28	60	106	180	277	431	774
May-Nov.	.2	.6	2.5	5.4	7.4	9.5	13	23	34	60	101	200	463
Dec.-Feb.	4.7	11	19	46	74	97	128	189	258	328	468	688	1210
Sep.-Nov.	.2	.4	1.6	4.1	6.3	7.9	9.3	16	26	39	74	153	408

DUCK CREEK BASIN

03115650 East Fork Duck Creek at Lower Salem, Ohio

LOCATION: Lat 39° 34' 26", long 81° 23' 25", Washington County, Hydrologic Unit 05030201, at bridge on Township Road 319, 0.9 mi northeast of Lower Salem, 1.0 mi upstream from Pawpaw Creek.

DRAINAGE AREA: 111 mi².

TRIBUTARY TO: Head of Duck Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1959 and 1972-76 water years.

INDEX STATION: 03115400 Little Muskingum River at Bloomfield, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.6 ft³/s September 1959.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.9	0.4	0.2	Dec.-Feb.	1	31	9.4	6.4
	7	2.3	.6	.4		7	36	11	7.3
	30	5.4	1.3	.8		30	87	21	14
	90	17	4.0	2.7		90	179	93	72
May-Nov.	1	1.9	0.4	0.2	Sep.-Nov.	1	2.2	0.4	0.2
	7	2.3	.6	.4		7	3.4	.6	.4
	30	5.4	1.3	.8		30	8.2	1.4	.9
	90	17	4.0	2.7		90	47	11	5.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.1	2.6	5.6	9.2	14
May-Nov.	.9	1.5	3.0	4.7	6.8
Dec.-Feb.	14	20	26	33	42
Sep.-Nov.	.6	1.1	1.8	2.7	3.8

DUCK CREEK BASIN

03115700 West Fork Duck Creek at Dexter City, Ohio

LOCATION: Lat 39° 39' 45", long 81° 28' 25", Noble County, Hydrologic Unit 05030201, at bridge on State Route 821 at Dexter City, 3,500 ft upstream from Buffalo Run.

DRAINAGE AREA: 75.4 mi².

TRIBUTARY TO: Duck Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1965-69, 1972-75, and 1995 water years.

INDEX STATION: 03115400 Little Muskingum River at Bloomfield, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.2 ft³/s September 1967.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.8	0.2	0.1	Dec.-Feb.	1	15	4.2	2.8
	7	1.0	.2	.1		7	17	4.8	3.2
	30	2.3	.5	.3		30	44	10	6.2
	90	7.8	1.7	1.1		90	96	47	36
May-Nov.	1	0.8	0.2	0.1	Sep.-Nov.	1	0.9	0.2	0.1
	7	1.0	.2	.1		7	1.4	.2	.1
	30	2.3	.5	.3		30	3.6	.6	.3
	90	7.8	1.7	1.1		90	23	4.8	2.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.4	1.0	2.4	4.1	6.2
May-Nov.	.4	.6	1.2	2.0	2.9
Dec.-Feb.	6.2	9.5	12	16	21
Sep.-Nov.	.2	.4	.7	1.1	1.6

DUCK CREEK BASIN

03115800 Duck Creek at Stanleyville, Ohio

LOCATION: Lat 39° 28' 15", long 81° 24' 40", Washington County, Hydrologic Unit 05030201, at highway bridge in Stanleyville, and 1.0 mi upstream from Sugar Creek.

DRAINAGE AREA: 267 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1959 and 1962-73 water years.

INDEX STATION: 03115400 Little Muskingum River at Bloomfield, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.6 ft³/s October 1963.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	3.2	0.7	0.3	Dec.-Feb.	1	56	17	11
	7	3.9	.9	.6		7	66	19	13
	30	9.4	2.1	1.4		30	165	39	24
	90	30	7.0	4.5		90	348	176	136
May-Nov.	1	3.2	0.7	0.3	Sep.-Nov.	1	3.8	0.7	0.3
	7	3.9	.9	.6		7	5.9	1.0	.6
	30	9.3	2.1	1.4		30	14	2.4	1.5
	90	30	7.0	4.5		90	88	19	9.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.8	4.4	9.6	16	24
May-Nov.	1.5	2.5	5.1	8.1	12
Dec.-Feb.	25	37	47	61	78
Sep.-Nov.	1.0	1.8	2.9	4.5	6.6

MUSKINGUM RIVER BASIN

03115890 Tuscarawas River at Uniontown, Ohio

LOCATION: Lat 40° 59' 18", long 81° 24' 04", Stark County, Hydrologic Unit 05040001, at culvert on Pontius Street, 0.9 mi north of Uniontown.

DRAINAGE AREA: 8.26 mi².

TRIBUTARY TO: Head of Muskingum River.

STREAMFLOW DATA USED: Low-flow measurements, 1974-78, 1980, and 1981 water years.

INDEX STATION: 03116000 Tuscarawas River at Clinton, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 2.9 ft³/s September 1978.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	2.5	1.5	1.3	Dec.-Feb.	1	3.1	1.8	1.5
	7	2.8	1.8	1.6		7	3.5	2.0	1.8
	30	3.1	2.0	1.8		30	5.0	2.3	1.9
	90	3.6	2.3	2.1		90	11	4.5	3.4
May-Nov.	1	2.6	1.6	1.4	Sep.-Nov.	1	2.6	1.6	1.4
	7	2.8	1.8	1.6		7	2.8	1.9	1.6
	30	3.1	2.1	1.9		30	3.2	2.1	1.9
	90	3.7	2.4	2.2		90	4.3	2.6	2.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	2.0	2.3	2.7	3.0	3.3
May-Nov.	1.9	2.2	2.5	2.8	3.0
Dec.-Feb.	1.8	2.2	2.6	2.9	3.3
Sep.-Nov.	1.8	2.0	2.3	2.5	2.7

MUSKINGUM RIVER BASIN

03115900 Tuscarawas River at East Liberty, Ohio

LOCATION: Lat 41° 00' 30", long 81° 29' 30", Summit County, Hydrologic Unit 05040001, at bridge on Arlington Road, 2.3 mi north of East Liberty.

DRAINAGE AREA: 33.1 mi².

TRIBUTARY TO: Head of Muskingum River.

STREAMFLOW DATA USED: Low-flow measurements, 1960-67, 1969, 1971-78, 1980, and 1981 water years.

INDEX STATION: 03116000 Tuscarawas River at Clinton, Ohio.

REMARKS: Until 1970, Schott Mill diverted water through mill race during working hours. Mill was shut down in 1972.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.9 ft³/s September 1960.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	16	11	10	Dec.-Feb.	1	18	12	11
	7	17	13	11		7	19	14	13
	30	18	14	13		30	25	15	13
	90	20	15	14		90	42	23	19
May-Nov.	1	16	11	10	Sep.-Nov.	1	16	12	10
	7	17	13	12		7	17	13	12
	30	18	14	13		30	19	14	13
	90	20	15	14		90	22	16	15

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	13	15	16	18	19
May-Nov.	13	14	16	17	18
Dec.-Feb.	13	14	16	17	19
Sep.-Nov.	12	14	15	16	16

MUSKINGUM RIVER BASIN

03115920 Tuscarawas River at Barberton, Ohio

LOCATION: Lat 41° 01' 40", long 81° 35' 15", Summit County, Hydrologic Unit 05040001, at bridge on East State Street in Barberton.

DRAINAGE AREA: 72.5 mi².

TRIBUTARY TO: Head of Muskingum River.

STREAMFLOW DATA USED: Low-flow measurements, 1947, 1948, 1951, 1952, 1974-78, 1980, and 1981 water years.

INDEX STATION: 03116000 Tuscarawas River at Clinton, Ohio.

REMARKS: Possible regulation and diversion both may occur at various points upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 2.7 ft³/s October 1950.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	24	17	15	Dec.-Feb.	1	28	19	17
	7	26	19	17		7	30	21	19
	30	28	20	19		30	40	22	20
	90	31	23	21		90	71	36	30
May-Nov.	1	24	17	15	Sep.-Nov.	1	24	17	15
	7	26	19	17		7	26	19	17
	30	28	21	19		30	29	21	20
	90	32	23	22		90	36	25	23

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	20	22	25	27	29
May-Nov.	20	22	24	26	27
Dec.-Feb.	19	21	24	27	29
Sep.-Nov.	19	20	22	24	25

MUSKINGUM RIVER BASIN

03115990 Wolf Creek near Barberton, Ohio

LOCATION: Lat 41° 02' 56", long 81° 36' 00", Summit County, Hydrologic Unit 05040001, at bridge on Summit Road, 200 ft downstream from Pigeon Creek, 2.5 mi north of Barberton.

DRAINAGE AREA: 53.9 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: Low-flow measurements, 1950, 1960, 1974-78, and 1980 water years.

INDEX STATION: 03116000 Tuscarawas River at Clinton, Ohio.

REMARKS: A pumping station, just upstream from bridge, pumps creek water into Barberton Reservoir on Wolf Creek 1.2 mi upstream. Water supply for Barberton is diverted around site.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 4.2 ft³/s October 1960.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	3.6	1.7	1.3	Dec.-Feb.	1	5.1	2.1	1.7
	7	4.2	2.2	1.8		7	6.1	2.6	2.2
	30	4.9	2.6	2.2		30	11	3.2	2.4
	90	6.2	3.2	2.7		90	37	9.0	5.9
May-Nov.	1	3.7	1.8	1.4	Sep.-Nov.	1	3.8	1.8	1.4
	7	4.3	2.2	1.8		7	4.4	2.3	1.8
	30	5.1	2.8	2.3		30	5.4	2.8	2.4
	90	6.7	3.5	2.9		90	8.5	3.9	3.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	2.5	3.1	4.0	4.8	5.6
May-Nov.	2.4	3.0	3.7	4.3	4.9
Dec.-Feb.	2.3	2.9	3.8	4.6	5.5
Sep.-Nov.	2.2	2.6	3.2	3.6	4.1

MUSKINGUM RIVER BASIN

03116000 Tuscarawas River at Clinton, Ohio

LOCATION: Lat 40° 55' 40", long 81° 37' 58", in NW 1/4 sec. 32, T. 2 N., R. 10 W., Summit County, Hydrologic Unit 05040001, on right bank 100 ft downstream from highway bridge at Clinton, and 1.0 mi upstream from Chippewa Creek.

DRAINAGE AREA: 174 mi².

TRIBUTARY TO: Head of Muskingum River.

STREAMFLOW DATA USED: October 1939 to October 1978.

REMARKS: Some water diverted through the Portage Lakes into the Ohio & Erie Canal at Long Lake 12 mi upstream and 3 mi south of Akron. Flow affected by industrial plants upstream from station and supplemented at times by diversion from Nimisila Reservoir, capacity, 6,500 acre-ft, since 1939.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 85.1 ft³/s
 Average streamflow: 157 ft³/s (39 years)
 Minimum daily streamflow: 20.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	46	35	30	26	22	Dec.-Feb.	1	55	40	34	30	26
	7	50	39	35	31	27		7	61	45	39	35	31
	30	54	43	39	35	31		30	83	53	43	37	31
	90	62	49	43	39	36		90	165	100	76	60	46
May-Nov.	1	47	36	31	27	23	Sep.-Nov.	1	47	36	31	27	23
	7	50	40	35	32	28		7	51	41	36	32	28
	30	55	44	40	36	32		30	57	45	40	37	34
	90	64	51	45	41	37		90	73	55	48	44	40

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	37	42	49	54	58	62	67	75	87	104	133	185	343
May-Nov.	37	41	46	50	54	58	61	67	74	82	94	118	178
Dec.-Feb.	35	40	47	52	58	63	68	80	97	122	159	237	455
Sep.-Nov.	34	38	42	46	49	52	54	60	65	71	78	92	131

MUSKINGUM RIVER BASIN

03116075 Chippewa Creek at Seville, Ohio

LOCATION: Lat 41° 00' 36", long 81° 51' 53", Medina County, Hydrologic Unit 05040001, at bridge on State Route 3 in Seville.

DRAINAGE AREA: 44.0 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: Low-flow measurements, 1976-78, 1980, and 1981 water years.

INDEX STATION: 03116200 Chippewa Creek at Easton, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.4 ft³/s October 1980.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.1	0.5	0.4	Dec.-Feb.	1	3.2	1.2	1.0
	7	1.2	.7	.6		7	4.3	1.7	1.3
	30	1.6	.8	.7		30	6.9	2.2	1.6
	90	2.5	1.2	1.0		90	25	7.1	4.4
May-Nov.	1	1.1	0.5	0.4	Sep.-Nov.	1	1.3	0.6	0.5
	7	1.2	.7	.6		7	1.5	.8	.7
	30	1.6	.8	.7		30	2.0	1.0	.9
	90	2.5	1.2	1.0		90	4.2	1.6	1.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.9	1.1	1.4	1.8	2.2
May-Nov.	.8	.9	1.1	1.4	1.6
Dec.-Feb.	1.3	1.9	2.5	3.1	3.9
Sep.-Nov.	.8	.9	1.1	1.3	1.5

MUSKINGUM RIVER BASIN

03116080 Chippewa Creek at Sterling, Ohio

LOCATION: Lat 40° 57' 24", long 81° 50' 31", Wayne County, Hydrologic Unit 05040001, at bridge on County Road 60, 0.8 mi south of Sterling.

DRAINAGE AREA: 64.4 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: Low-flow measurements 1974-1978, 1980 water years.

INDEX STATION: 03116200 Chippewa Creek at Easton, Ohio.

REMARKS: Possible regulation at Chippewa Lake 8.0 mi upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.7 ft³/s July 1975.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.9	0.8	0.7	Dec.-Feb.	1	6.2	2.2	1.6
	7	2.2	1.1	.9		7	8.5	3.0	2.3
	30	3.0	1.4	1.1		30	14	4.0	2.9
	90	4.7	2.0	1.6		90	59	15	8.8
May-Nov.	1	1.9	0.8	0.7	Sep.-Nov.	1	2.2	1.0	0.8
	7	2.2	1.1	.9		7	2.6	1.3	1.1
	30	3.0	1.4	1.1		30	3.7	1.8	1.6
	90	4.8	2.0	1.6		90	8.3	2.8	2.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.4	1.8	2.5	3.2	4.1
May-Nov.	1.3	1.6	2.0	2.4	2.8
Dec.-Feb.	2.3	3.5	4.7	5.9	7.6
Sep.-Nov.	1.3	1.6	1.9	2.2	2.6

MUSKINGUM RIVER BASIN

03116100 Little Chippewa Creek near Smithville, Ohio

LOCATION: Lat 40° 53' 40", long 81° 48' 50", Wayne County, Hydrologic Unit 05040001, in sec. 3, T. 17 N., R. 12 W., on left downstream pier of bridge on State Route 5, 3.3 mi northeast from center of Smithville.

DRAINAGE AREA: 16.4 mi².

TRIBUTARY TO: Chippewa Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1965-67, 1969, 1971, and 1972 water years.

INDEX STATION: 03116200 Chippewa Creek at Easton, Ohio.

REMARKS: Dam upstream. Construction of dam has resulted in 95 percent controlled drainage area.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.2 ft³/s September 1967.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	2.1	1.1	1.0	Dec.-Feb.	1	5.3	2.4	1.9
	7	2.4	1.4	1.2		7	6.8	3.1	2.4
	30	3.0	1.7	1.4		30	10	3.8	2.9
	90	4.3	2.2	1.9		90	30	10	7.0
May-Nov.	1	2.1	1.1	1.0	Sep.-Nov.	1	2.4	1.3	1.1
	7	2.4	1.4	1.2		7	2.7	1.6	1.4
	30	3.0	1.7	1.4		30	3.6	2.0	1.9
	90	4.4	2.2	1.9		90	6.7	2.9	2.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.7	2.1	2.6	3.2	3.9
May-Nov.	1.6	1.9	2.2	2.6	2.9
Dec.-Feb.	2.5	3.4	4.3	5.1	6.2
Sep.-Nov.	1.6	1.9	2.2	2.4	2.7

MUSKINGUM RIVER BASIN

03116200 Chippewa Creek at Easton, Ohio

LOCATION: Lat 40° 56' 47", long 81° 44' 35", in SW 1/4 sec. 17, T. 18 N., R. 11 W., Wayne County, Hydrologic Unit 05040001, on left bank at downstream side of bridge on State Route 585, 0.5 mi southwest of Easton, and 1.5 mi upstream from Red Run.

DRAINAGE AREA: 146 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: October 1960 to October 1981.

REMARKS: Low flow slightly regulated by industry at Rittman 2.5 mi upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 28.9 ft³/s
 Average streamflow: 136 ft³/s (21 years)
 Minimum daily streamflow: 3.20 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	9.3	5.9	4.7	3.8	3.1	Dec.-Feb.	1	25	14	10	8.1	6.2
	7	10	7.0	5.8	5.0	4.2		7	33	19	14	11	8.1
	30	14	8.7	7.1	6.0	5.1		30	51	25	18	13	9.6
	90	20	12	9.7	8.1	6.8		90	169	84	53	34	19
May-Nov.	1	9.3	5.9	4.7	3.8	3.1	Sep.-Nov.	1	11	6.7	5.3	4.4	3.6
	7	10	7.0	5.8	5.0	4.2		7	12	8.2	6.9	6.0	5.1
	30	14	8.7	7.1	6.0	5.1		30	16	10	8.9	8.1	7.4
	90	20	12	9.7	8.1	6.8		90	32	17	13	11	8.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	7.4	9.0	12	14	18	21	25	35	49	70	103	166	356
May-Nov.	6.6	8.0	9.6	11	13	15	17	22	28	36	49	75	143
Dec.-Feb.	11	16	20	24	30	36	43	58	75	99	135	219	473
Sep.-Nov.	6.9	8.1	9.5	11	12	14	15	18	22	27	36	55	107

MUSKINGUM RIVER BASIN

03116410 Nimisila Creek near Canal Fulton, Ohio

LOCATION: Lat 40° 54' 57", long 81° 33' 43", Summit County, Hydrologic Unit 05040001, at bridge on State Route 93, 2.5 mi northeast of Canal Fulton.

DRAINAGE AREA: 23.1 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: Low-flow measurements, 1960, 1961, and 1974-81 water years.

INDEX STATION: 03116000 Tuscarawas River at Clinton, Ohio.

REMARKS: Possible regulation and diversion; both may occur at Nimisila Reservoir, 2.2 miles upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 5.1 ft³/s October 1960.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	4.4	2.8	2.4	Dec.-Feb.	1	5.4	3.2	2.8
	7	4.8	3.2	2.8		7	6.0	3.6	3.2
	30	5.3	3.6	3.2		30	8.4	4.1	3.4
	90	6.1	4.1	3.7		90	18	7.6	5.9
May-Nov.	1	4.5	2.8	2.4	Sep.-Nov.	1	4.5	2.9	2.5
	7	4.9	3.3	2.9		7	4.9	3.3	2.9
	30	5.4	3.7	3.4		30	5.6	3.8	3.4
	90	6.3	4.3	3.9		90	7.3	4.6	4.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	3.5	4.0	4.7	5.2	5.7
May-Nov.	3.4	3.9	4.4	4.9	5.3
Dec.-Feb.	3.3	3.8	4.5	5.1	5.6
Sep.-Nov.	3.2	3.6	4.0	4.4	4.7

MUSKINGUM RIVER BASIN

03116950 Newman Creek near Massillon, Ohio

LOCATION: Lat 40° 49' 22", long 81° 33' 06", Stark County, Hydrologic Unit 05040001, at bridge on Beaumont Avenue, 1.9 mi upstream from mouth, 2.0 mi northwest of Massillon.

DRAINAGE AREA: 38.2 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: Low-flow measurements, 1976-81 water years.

INDEX STATION: 03117500 Sandy Creek at Waynesburg, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.9 ft³/s September 1978.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.1	0.5	0.4	Dec.-Feb.	1	3.7	1.1	0.8
	7	1.2	.6	.5		7	4.6	1.4	1.0
	30	1.6	.7	.6		30	9.4	2.0	1.3
	90	2.6	1.0	.8		90	39	11	6.5
May-Nov.	1	1.1	0.5	0.4	Sep.-Nov.	1	1.2	0.5	0.4
	7	1.3	.6	.5		7	1.3	.6	.5
	30	1.6	.7	.6		30	2.0	.8	.6
	90	2.6	1.0	.8		90	5.5	1.4	.9

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.8	1.1	1.5	1.9	2.5
May-Nov.	.7	.9	1.2	1.4	1.7
Dec.-Feb.	1.1	1.7	2.6	3.6	4.9
Sep.-Nov.	.6	.8	1.0	1.1	1.3

MUSKINGUM RIVER BASIN

03117000 Tuscarawas River at Massillon, Ohio

LOCATION: Lat 40° 46' 13", long 81° 31' 27", in sec. 20, T. 10 N., R. 9 W., Stark County, Hydrologic Unit 05040001, on left bank at sewage-treatment works, 0.7 mi south of Massillon, and 3.0 mi downstream from Newman Creek.

DRAINAGE AREA: 518 mi².

TRIBUTARY TO: Head of Muskingum River.

STREAMFLOW DATA USED: April 1938 to September 1997.

REMARKS: Diversion from basin and regulation at Portage Lakes (including Nimisila Reservoir) since 1939.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 202 ft³/s
 Average streamflow: 458 ft³/s (59 years)
 Minimum daily streamflow: 49.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	85	69	61	56	51	Dec.-Feb.	1	124	88	75	66	58
	7	93	75	68	62	56		7	140	98	83	73	64
	30	110	87	78	71	65		30	214	133	107	90	76
	90	137	105	93	86	79		90	521	315	235	181	133
May-Nov.	1	88	70	63	57	51	Sep.-Nov.	1	93	73	65	60	54
	7	96	77	69	64	58		7	100	79	72	67	63
	30	111	87	78	71	65		30	120	91	81	76	71
	90	139	105	93	86	80		90	188	125	105	92	81

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	77	89	102	114	125	137	151	187	233	301	399	580	1080
May-Nov.	72	83	95	103	111	119	128	146	173	206	256	345	586
Dec.-Feb.	85	98	115	130	145	162	181	234	299	378	497	744	1410
Sep.-Nov.	70	78	89	95	101	107	113	126	141	164	200	271	441

MUSKINGUM RIVER BASIN

03117150 Sandy Creek at Minerva, Ohio

LOCATION: Lat 40° 43' 53", long 81° 05' 57", Stark County, Hydrologic Unit 05040001, at bridge on U.S. Highway 30 in Minerva.

DRAINAGE AREA: 61.9 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: Low-flow measurements, 1974-78 and 1980 water years.

INDEX STATION: 03117500 Sandy Creek at Waynesburg, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 8.7 ft³/s September 1978.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	5.3	3.1	2.7	Dec.-Feb.	1	12	5.3	4.2
	7	5.7	3.4	3.0		7	14	6.1	4.8
	30	6.9	4.1	3.6		30	22	8.0	5.9
	90	9.3	5.1	4.4		90	58	24	17
May-Nov.	1	5.4	3.2	2.7	Sep.-Nov.	1	5.6	3.2	2.8
	7	5.8	3.4	3.0		7	5.9	3.6	3.2
	30	6.9	4.1	3.6		30	7.8	4.2	3.6
	90	9.5	5.1	4.4		90	16	6.2	4.7

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	4.3	5.2	6.4	7.7	9.3
May-Nov.	4.0	4.7	5.6	6.3	7.2
Dec.-Feb.	5.4	7.0	9.5	12	14
Sep.-Nov.	3.5	4.2	4.8	5.3	5.8

MUSKINGUM RIVER BASIN

03117160 Still Fork near Minerva, Ohio

LOCATION: Lat 40° 39' 49", long 81° 02' 24", Carroll County, Hydrologic Unit 05040001, at bridge on State Route 9, 1.4 mi downstream from Pipes Fork, and 5.5 mi southeast of Minerva.

DRAINAGE AREA: 36.2 mi².

TRIBUTARY TO: Sandy Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1974-78 and 1980 water years.

INDEX STATION: 03117500 Sandy Creek at Waynesburg, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 2.4 ft³/s September 1978.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.5	0.8	0.7	Dec.-Feb.	1	3.6	1.4	1.1
	7	1.6	.9	.8		7	4.4	1.7	1.3
	30	2.0	1.1	.9		30	7.4	2.3	1.6
	90	2.8	1.4	1.2		90	22	8.1	5.6
May-Nov.	1	1.5	0.8	0.7	Sep.-Nov.	1	1.5	0.8	0.7
	7	1.6	.9	.8		7	1.6	.9	.8
	30	2.0	1.1	.9		30	2.3	1.1	1.0
	90	2.8	1.4	1.2		90	5.0	1.7	1.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.1	1.4	1.8	2.2	2.7
May-Nov.	1.0	1.3	1.5	1.8	2.0
Dec.-Feb.	1.5	2.0	2.8	3.6	4.5
Sep.-Nov.	.9	1.1	1.3	1.5	1.6

MUSKINGUM RIVER BASIN

03117280 Hogle Run near Malvern, Ohio

LOCATION: Lat 40° 42' 49", long 81° 09' 03", Carroll County, Hydrologic Unit 05040001, at bridge on private road, 1000 ft upstream from mouth, 2.2 mi northeast of Malvern.

DRAINAGE AREA: 21.3 mi².

TRIBUTARY TO: Sandy Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1957 and 1976-80 water years.

INDEX STATION: 03117500 Sandy Creek at Waynesburg, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.6 ft³/s August 1957.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.7	0.8	0.7	Dec.-Feb.	1	4.8	1.7	1.2
	7	1.9	1.0	.8		7	5.9	2.0	1.5
	30	2.4	1.2	1.0		30	11	2.8	1.9
	90	3.5	1.6	1.3		90	38	12	7.9
May-Nov.	1	1.7	0.9	0.7	Sep.-Nov.	1	1.8	0.9	0.7
	7	1.9	1.0	.8		7	1.9	1.0	.9
	30	2.4	1.2	1.0		30	2.8	1.2	1.0
	90	3.6	1.6	1.3		90	6.8	2.0	1.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.3	1.6	2.1	2.7	3.5
May-Nov.	1.2	1.4	1.8	2.1	2.5
Dec.-Feb.	1.7	2.4	3.6	4.8	6.1
Sep.-Nov.	1.0	1.2	1.5	1.7	1.9

MUSKINGUM RIVER BASIN

03117300 Sandy Creek at Malvern, Ohio

LOCATION: Lat 40° 41' 27", long 81° 10' 50", Carroll County, Hydrologic Unit 05040001, at bridge on State Route 43 and State Route 183, in Malvern.

DRAINAGE AREA: 163 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: Low-flow measurements, 1976-78 and 1980 water years.

INDEX STATION: 03117500 Sandy Creek at Waynesburg, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 33 ft³/s September 1978.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	22	15	13	Dec.-Feb.	1	43	22	18
	7	24	16	14		7	49	25	21
	30	28	18	16		30	72	31	24
	90	35	21	19		90	156	76	59
May-Nov.	1	23	15	13	Sep.-Nov.	1	23	15	13
	7	24	16	14		7	24	16	15
	30	28	18	16		30	31	18	16
	90	36	21	19		90	54	25	20

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	19	22	26	30	35
May-Nov.	18	20	23	26	28
Dec.-Feb.	23	28	36	43	50
Sep.-Nov.	16	19	21	22	24

MUSKINGUM RIVER BASIN

03117310 Pipe Run at Malvern, Ohio

LOCATION: Lat 40° 41' 16", long 81° 11' 02", Carroll County, Hydrologic Unit 05040001, at bridge in Malvern, 200 ft upstream from mouth.

DRAINAGE AREA: 27.7 mi².

TRIBUTARY TO: Sandy Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1976-78 and 1980 water years.

INDEX STATION: 03117500 Sandy Creek at Waynesburg, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.8 ft³/s September 1978.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.3	0.1	0.1	Dec.-Feb.	1	1.4	0.3	0.2
	7	.4	.1	.1		7	1.8	.4	.3
	30	.5	.2	.2		30	4.5	.6	.4
	90	.9	.3	.2		90	27	5.2	2.8
May-Nov.	1	0.3	0.1	0.1	Sep.-Nov.	1	0.3	0.1	0.1
	7	.4	.1	.1		7	.4	.2	.1
	30	.5	.2	.2		30	.6	.2	.2
	90	.9	.3	.2		90	2.3	.4	.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.2	0.3	0.4	0.6	0.9
May-Nov.	.2	.2	.3	.4	.5
Dec.-Feb.	.3	.5	.9	1.4	2.0
Sep.-Nov.	.1	.2	.2	.3	.4

MUSKINGUM RIVER BASIN

03117450 Little Sandy Creek near Robertsville, Ohio

LOCATION: Lat 40° 44' 03", long 81° 14' 40", Stark County, Hydrologic Unit 05040001, at bridge on Hillchurch-Wynnfield Drive, 0.7 mi downstream from Black Run, 3.5 mi southwest of Robertsville, 4.8 mi upstream from mouth.

DRAINAGE AREA: 29.7 mi².

TRIBUTARY TO: Sandy Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1976-78, 1980, and 1981 water years.

INDEX STATION: 03117500 Sandy Creek at Waynesburg, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 6.9 ft³/s June 1977.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	3.8	2.3	2.0	Dec.-Feb.	1	8.2	3.8	3.0
	7	4.1	2.5	2.2		7	9.6	4.3	3.4
	30	4.9	2.9	2.6		30	15	5.6	4.2
	90	6.5	3.6	3.2		90	38	16	12
May-Nov.	1	3.9	2.3	2.0	Sep.-Nov.	1	4.0	2.4	2.1
	7	4.2	2.5	2.2		7	4.2	2.6	2.3
	30	4.9	2.9	2.6		30	5.5	3.0	2.6
	90	6.6	3.6	3.1		90	11	4.4	3.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	3.1	3.7	4.5	5.4	6.5
May-Nov.	2.8	3.4	4.0	4.5	5.0
Dec.-Feb.	3.8	4.9	6.6	8.2	9.9
Sep.-Nov.	2.6	3.0	3.4	3.8	4.2

MUSKINGUM RIVER BASIN

03117500 Sandy Creek at Waynesburg, Ohio

LOCATION: Lat 40° 40' 21", long 81° 15' 36", in sec. 21, T. 17 N., R. 7 W., Stark County, Hydrologic Unit 05040001, on upstream side of left pier of bridge on State Route 183 in Waynesburg, 300 ft downstream from Little Sandy Creek, and 0.6 mi upstream from Indian Run.

DRAINAGE AREA: 253 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: December 1938 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 86.4 ft³/s
 Average streamflow: 272 ft³/s (59 years)
 Minimum daily streamflow: 12.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	29	20	17	14	12	Dec.-Feb.	1	67	39	29	23	17
	7	31	22	18	16	14		7	79	45	33	26	20
	30	38	26	22	19	17		30	129	64	44	32	22
	90	52	34	27	24	20		90	350	200	140	100	66
May-Nov.	1	29	20	17	14	12	Sep.-Nov.	1	30	21	17	15	13
	7	32	22	18	16	14		7	32	22	19	17	15
	30	38	26	22	19	17		30	43	28	23	19	17
	90	53	34	28	23	20		90	89	47	34	26	19

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	23	28	35	42	52	62	73	99	138	193	270	389	638
May-Nov.	21	26	30	35	39	45	51	67	84	108	144	208	354
Dec.-Feb.	29	38	53	67	82	96	115	158	206	272	361	519	845
Sep.-Nov.	19	23	26	29	32	35	38	47	61	79	105	151	264

MUSKINGUM RIVER BASIN

03118000 Middle Branch Nimishillen Creek at Canton, Ohio

LOCATION: Lat 40° 50' 29", long 81° 21' 14" in NE 1/4 sec. 27, T. 11 N., R. 8 W., Stark County, Hydrologic Unit 05040001, on right bank at downstream side of bridge on Martindale Road, 2.4 mi upstream from mouth, and 0.5 mi northeast of Canton.

DRAINAGE AREA: 43.1 mi².

TRIBUTARY TO: Sandy Creek.

STREAMFLOW DATA USED: October 1941 to September 1997.

REMARKS: Part of municipal water supply for city of Canton is pumped from its northeast well field; a portion of pumpage is believed to be derived from creek as recharge to aquifer supplying well field about 1 mi downstream from gage. Mean pumpage for water year 1996, 12.5 ft³/s. At times, low flow regulated by small pools above station.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 9.50 ft³/s
 Average streamflow: 37.9 ft³/s (56 years)
 Minimum daily streamflow: 0.30 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	3.6	1.6	1.0	0.6	0.4	Dec.-Feb.	1	8.9	3.9	2.3	1.4	0.8
	7	4.4	2.0	1.3	.9	.5		7	10	4.6	2.8	1.7	1.0
	30	5.4	2.7	1.9	1.3	.9		30	16	7.2	4.5	3.1	1.9
	90	8.2	4.1	2.8	2.0	1.3		90	47	23	15	9.3	5.3
May-Nov.	1	3.8	1.6	1.0	0.6	0.4	Sep.-Nov.	1	4.1	1.7	1.0	0.7	0.4
	7	4.3	2.1	1.4	1.0	.7		7	4.7	2.2	1.5	1.1	.7
	30	5.5	2.8	1.9	1.4	.9		30	6.3	3.0	2.0	1.4	1.0
	90	8.5	4.2	2.8	2.0	1.3		90	13	5.8	3.7	2.5	1.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	1.8	2.8	4.2	5.5	7.2	8.9	11	15	20	26	36	51	85
May-Nov.	1.5	2.3	3.3	4.3	5.3	6.4	7.6	10	14	18	23	32	54
Dec.-Feb.	2.4	3.6	5.5	7.7	9.5	12	14	19	25	33	44	63	114
Sep.-Nov.	1.2	1.7	2.4	3.2	3.9	4.7	5.4	7.1	9.4	12	16	23	41

MUSKINGUM RIVER BASIN

03118100 East Branch Nimishillen Creek near Canton, Ohio

LOCATION: Lat 40° 49' 24", long 81° 17' 55", Stark County, Hydrologic Unit 05040001, at bridge on Broadway Avenue, 1.0 mi east of Canton city limits, 3.5 mi upstream from Middle Branch.

DRAINAGE AREA: 33.4 mi².

TRIBUTARY TO: Nimishillen Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1974-78 and 1980 water years.

INDEX STATION: 03117500 Sandy Creek at Waynesburg, Ohio.

REMARKS: Canton northeast well field affects flow in Middle Branch Nimishillen Creek but is not known to affect flow in East Branch.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 5.7 ft³/s June 1977.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	4.3	3.0	2.7	Dec.-Feb.	1	7.4	4.3	3.6
	7	4.5	3.2	2.9		7	8.2	4.7	4.0
	30	5.1	3.6	3.3		30	11	5.6	4.6
	90	6.3	4.2	3.8		90	22	12	9.6
May-Nov.	1	4.3	3.0	2.7	Sep.-Nov.	1	4.4	3.1	2.8
	7	4.6	3.2	2.9		7	4.6	3.3	3.0
	30	5.1	3.6	3.3		30	5.6	3.6	3.3
	90	6.4	4.2	3.7		90	8.9	4.7	4.0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	3.7	4.2	4.8	5.5	6.2
May-Nov.	3.5	4.0	4.4	4.8	5.2
Dec.-Feb.	4.3	5.1	6.4	7.4	8.4
Sep.-Nov.	3.2	3.7	4.0	4.3	4.6

MUSKINGUM RIVER BASIN

03118300 West Branch Nimishillen Creek at Canton, Ohio

LOCATION: Lat 40° 47' 48", long 81° 23' 26", Stark County, Hydrologic Unit 05040001, at bridge on Sixth Street, 1.3 mi above mouth at Canton.

DRAINAGE AREA: 43.9 mi².

TRIBUTARY TO: Sandy Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1974-78, 1980, and 1981 water years.

INDEX STATION: 03117500 Sandy Creek at Waynesburg, Ohio.

REMARKS: The Canton northwest well field, which has two Ranney water collectors and is located 3.5 miles upstream, probably diverts some water around site.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 9.3 ft³/s September 1978.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	7.6	5.3	4.8	Dec.-Feb.	1	13	7.6	6.5
	7	8.0	5.7	5.2		7	15	8.4	7.1
	30	9.1	6.4	5.8		30	20	10	8.2
	90	11	7.4	6.7		90	39	21	17
May-Nov.	1	7.7	5.4	4.8	Sep.-Nov.	1	7.9	5.4	5.0
	7	8.1	5.7	5.2		7	8.2	5.8	5.4
	30	9.1	6.4	5.8		30	9.9	6.5	5.9
	90	11	7.4	6.7		90	16	8.4	7.0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	6.6	7.6	8.6	9.8	11
May-Nov.	6.2	7.0	7.9	8.6	9.4
Dec.-Feb.	7.7	9.2	11	13	15
Sep.-Nov.	5.8	6.5	7.1	7.6	8.1

MUSKINGUM RIVER BASIN

03118500 Nimishillen Creek at North Industry, Ohio

LOCATION: Lat 40° 44' 03", long 81° 21' 08", in sec. 35, T. 10 N., R. 8 W., Stark County, Hydrologic Unit 05040001, on left bank upstream abutment of Baun Road bridge, 400 ft northeast of Ridge Street in North Industry, and 2.1 mi downstream from Sherrick Run.

DRAINAGE AREA: 175 mi².

TRIBUTARY TO: Sandy Creek.

STREAMFLOW DATA USED: October 1921 to September 1997.

REMARKS: Low flow slightly regulated by plants at Canton. Records include diversion from Sugar Creek well field. Mean pumpage for the 1996 water year, 19.4 ft³/s.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 102 ft³/s
 Average streamflow: 194 ft³/s (76 years)
 Minimum daily streamflow: 14.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	51	33	26	21	16	Dec.-Feb.	1	68	47	39	33	28
	7	57	40	32	27	22		7	77	54	45	38	32
	30	65	46	38	32	27		30	111	71	56	46	37
	90	80	56	47	40	34		90	218	140	108	85	64
May-Nov.	1	52	34	26	21	16	Sep.-Nov.	1	54	36	28	23	18
	7	59	40	33	27	22		7	61	41	34	28	23
	30	67	46	38	32	27		30	71	48	40	35	30
	90	82	57	47	41	35		90	99	64	52	44	37

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	34	44	54	61	68	76	84	102	123	150	188	245	379
May-Nov.	30	40	49	55	61	66	72	84	98	114	139	179	267
Dec.-Feb.	41	50	60	68	77	86	96	118	142	172	214	286	470
Sep.-Nov.	29	36	44	50	54	58	62	70	81	95	112	141	212

MUSKINGUM RIVER BASIN

03119580 Tuscarawas River at Zoar, Ohio

LOCATION: Lat 40° 36' 28", long 81° 25' 36", Tuscarawas County, Hydrologic Unit 05040001, at bridge on County Road 82, 3.0 mi upstream from Conotton Creek, and 0.5 mi southwest of Zoar.

DRAINAGE AREA: 1,102 mi².

TRIBUTARY TO: Head of Muskingum River.

STREAMFLOW DATA USED: Low-flow measurements, 1974-78, 1980, and 1981 water years.

INDEX STATION: 03129000 Tuscarawas River at Newcomerstown, Ohio.

REMARKS: Regulation and diversion may occur at various points upstream from site.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 329 ft³/s September 1978.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	188	135	124	Dec.-Feb.	1	348	189	161
	7	199	141	129		7	374	200	171
	30	232	160	149		30	623	268	210
	90	317	196	176		90	1310	601	413
May-Nov.	1	188	135	125	Sep.-Nov.	1	196	137	127
	7	199	141	129		7	211	144	133
	30	233	159	148		30	260	159	144
	90	322	197	176		90	471	246	207

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	165	190	226	266	309
May-Nov.	156	176	201	225	252
Dec.-Feb.	192	233	289	355	413
Sep.-Nov.	146	162	180	196	210

MUSKINGUM RIVER BASIN

03119700 Conotton Creek at Jewett, Ohio

LOCATION: Lat 40° 21' 55", long 81° 00' 15", Harrison County, Hydrologic Unit 05040001, in NW 1/4 sec. 5, T. 11 N., R. 5 W., on left downstream wingwall of bridge on State Route 9 in Jewett.

DRAINAGE AREA: 14.3 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: Low-flow measurements, 1965-70 and 1972-74 water years.

INDEX STATION: 03111500 Short Creek near Dillonvale, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.2 ft³/s July 1965.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.4	0.1	0.1	Dec.-Feb.	1	1.2	0.3	0.2
	7	.4	.2	.1		7	1.5	.4	.2
	30	.6	.2	.2		30	3.1	.7	.4
	90	1.0	.4	.4		90	9.2	2.7	1.8
May-Nov.	1	0.4	0.1	0.1	Sep.-Nov.	1	0.5	0.1	0.1
	7	.5	.2	.1		7	.5	.2	.1
	30	.6	.2	.2		30	.8	.3	.2
	90	1.1	.4	.4		90	1.8	.6	.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.3	0.4	0.6	0.8	1.0
May-Nov.	.2	.3	.4	.6	.7
Dec.-Feb.	.3	.5	.9	1.2	1.6
Sep.-Nov.	.2	.3	.4	.4	.5

MUSKINGUM RIVER BASIN

03119900 Conotton Creek at Leesville, Ohio

LOCATION: Lat 40° 26' 44", long 81° 11' 49", Carroll County, Hydrologic Unit 05040001, at State Route 164 bridge, 2.5 mi upstream from McGuire Creek, 0.9 mi southeast of Leesville.

DRAINAGE AREA: 87.1 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: Low-flow measurements, 1959 and 1972-77 water years.

INDEX STATION: 03110000 Yellow Creek near Hammondsville, Ohio.

REMARKS: Scio sewage (untreated) discharges into Conotton Creek 8.0 mi upstream from station. 80,000 gal/d is pumped from ground for water supply. No record of flow.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 3.6 ft³/s September 1972.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	4.6	1.9	1.5	Dec.-Feb.	1	21	8.2	6.1
	7	5.3	2.2	1.7		7	25	11	8.0
	30	7.7	3.6	2.9		30	42	15	11
	90	14	6.5	5.3		90	91	42	32
May-Nov.	1	4.6	1.9	1.5	Sep.-Nov.	1	5.1	2.0	1.5
	7	5.3	2.2	1.7		7	6.2	2.4	1.8
	30	7.7	3.6	2.9		30	10	4.2	3.4
	90	14	6.4	5.3		90	25	9.6	7.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	3.7	5.5	8.3	11	14
May-Nov.	3.0	4.2	6.0	7.8	9.5
Dec.-Feb.	9.2	12	17	22	27
Sep.-Nov.	2.7	3.6	4.7	5.9	7.2

MUSKINGUM RIVER BASIN

03120500 McGuire Creek below Leesville Dam near Leesville, Ohio

LOCATION: Lat 40° 28' 13", long 81° 11' 48", in E 1/2 sec. 36, T. 13 N., R. 6 W., Carroll County, Hydrologic Unit 05040001, on left bank at outlet of Leesville Dam, 1.3 mi upstream from mouth, and 1.4 mi northeast of Leesville.

DRAINAGE AREA: 48.3 mi².

TRIBUTARY TO: Conotton Creek.

STREAMFLOW DATA USED: October 1942 to September 1990.

REMARKS: Flow completely regulated by Leesville Lake.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 6.63 ft³/s
 Average streamflow: 53.8 ft³/s (48 years)
 Minimum daily streamflow: 0.89 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	1.3	1.1	1.0	0.9	0.9	Dec.-Feb.	1	1.8	1.3	1.2	1.2	1.1
	7	1.6	1.2	1.2	1.1	1.1		7	3.3	1.7	1.2	1.2	1.1
	30	2.6	1.6	1.2	1.1	1.1		30	17	6.0	3.3	2.0	1.1
	90	5.8	2.8	1.9	1.4	1.1		90	60	32	22	16	10
May-Nov.	1	1.6	1.1	1.0	.9	.9	Sep.-Nov.	1	1.9	1.3	1.0	.9	.8
	7	2.0	1.3	1.1	1.0	.9		7	2.5	1.5	1.2	1.0	.8
	30	3.0	1.7	1.3	1.1	.9		30	4.1	2.0	1.4	1.1	.8
	90	6.0	2.8	1.9	1.4	1.0		90	32	13	6.5	3.5	1.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	1.1	1.5	1.9	2.3	3.1	5.2	6.7	11	20	37	64	98	159
May-Nov.	1.0	1.4	1.8	2.1	2.6	3.7	5.3	7.8	11	18	33	64	116
Dec.-Feb.	1.5	1.8	2.2	2.7	4.2	6.1	9.1	20	32	53	85	123	186
Sep.-Nov.	.1	1.2	1.5	1.7	2.0	2.2	2.6	5.0	7.4	11	23	64	118

MUSKINGUM RIVER BASIN

03122500 Tuscarawas River below Dover Dam near Dover, Ohio

LOCATION: Lat 40° 31' 47", long 81° 25' 48", in T. 9 N., R. 2 W., Tuscarawas County, Hydrologic Unit 05040001, on left bank at downstream side of bridge on State Route 416, 2.2 mi downstream from Dover Dam, 1.5 mi east of Dover, and 3.4 mi upstream from Sugar Creek.

DRAINAGE AREA: 1,405 mi².

TRIBUTARY TO: Head of Muskingum River.

STREAMFLOW DATA USED: October 1937 to September 1991.

REMARKS: Diversion from basin at Portage Lakes. Records include diversion from Sugar Creek well field. Mean pumpage for the 1991 water year, 18.4 ft³/s. Flow regulated by four flood control reservoirs since 1936 at points 2.2 mi to 25 mi upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 658 ft³/s
 Average streamflow: 1,450 ft³/s (54 years)
 Minimum daily streamflow: 6.5 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	263	137	83	51	26	Dec.-Feb.	1	429	238	167	121	82
	7	290	228	203	185	168		7	466	311	260	227	199
	30	342	261	231	211	192		30	765	450	346	281	223
	90	433	320	280	254	230		90	1640	1010	758	589	435
May-Nov.	1	266	208	184	167	151	Sep.-Nov.	1	284	220	194	176	159
	7	298	232	205	185	166		7	308	235	208	189	172
	30	346	262	231	210	189		30	373	270	235	213	194
	90	444	323	281	254	229		90	629	408	329	278	231

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	226	263	313	360	406	459	517	658	844	1130	1530	2210	3880
May-Nov.	217	242	281	317	351	383	417	496	595	726	924	1310	2170
Dec.-Feb.	256	300	368	437	511	592	693	894	1150	1480	1990	2950	4610
Sep.-Nov.	208	224	250	276	302	327	351	404	468	559	697	954	1530

MUSKINGUM RIVER BASIN

03122850 Sugar Creek near Orrville, Ohio

LOCATION: Lat 40° 48' 43", long 81° 45' 56", Wayne County, Hydrologic Unit 05040001, at bridge on State Route 57, 2.0 mi south of Orrville.

DRAINAGE AREA: 47.2 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: Low-flow measurements, 1959, 1976-78, and 1980 water years.

INDEX STATION: 03123000 Sugar Creek above Beach City Dam at Beach City, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 2.5 ft³/s September 1978.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.2	0.5	0.4	Dec.-Feb.	1	3.8	1.5	1.2
	7	1.4	.6	.4		7	4.8	1.9	1.5
	30	2.1	.9	.7		30	9.8	2.9	2.1
	90	3.3	1.4	1.2		90	35	12	8.1
May-Nov.	1	1.2	0.5	0.4	Sep.-Nov.	1	1.4	0.6	0.4
	7	1.4	.5	.4		7	1.8	.6	.4
	30	2.1	.9	.6		30	2.6	1.0	.7
	90	3.4	1.4	1.2		90	5.6	2.0	1.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.9	1.4	2.0	2.5	3.0
May-Nov.	.8	1.1	1.5	1.9	2.3
Dec.-Feb.	1.9	2.6	3.5	4.4	5.2
Sep.-Nov.	.7	.9	1.3	1.6	1.9

MUSKINGUM RIVER BASIN

03122900 Sugar Creek near West Lebanon, Ohio

LOCATION: Lat 40° 44' 12", long 81° 39' 12", Wayne County, Hydrologic Unit 05040001, at bridge on county road, 1.1 mi northeast of West Lebanon.

DRAINAGE AREA: 69.8 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: Low-flow measurements, 1973, 1976-78, and 1980 water years.

INDEX STATION: 03123000 Sugar Creek above Beach City Dam at Beach City, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 4.7 ft³/s September 1978.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.8	0.7	0.6	Dec.-Feb.	1	6.4	2.4	1.8
	7	2.3	.9	.6		7	8.2	3.0	2.3
	30	3.5	1.4	1.0		30	17	4.8	3.4
	90	5.6	2.3	1.8		90	68	21	14
May-Nov.	1	1.8	0.7	0.6	Sep.-Nov.	1	2.2	0.8	0.6
	7	2.3	.8	.6		7	2.9	1.0	.7
	30	3.5	1.4	1.0		30	4.4	1.5	1.1
	90	5.7	2.3	1.8		90	9.7	3.2	2.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.4	2.2	3.3	4.2	5.0
May-Nov.	1.2	1.7	2.4	3.1	3.7
Dec.-Feb.	3.1	4.3	6.0	7.4	9.0
Sep.-Nov.	1.0	1.4	2.1	2.6	3.0

MUSKINGUM RIVER BASIN

03123000 Sugar Creek above Beach City Dam at Beach City, Ohio

LOCATION: Lat 40° 39' 24", long 81° 34' 37", in NE 1/4 sec. 35, T. 11 N., R. 10 W., Stark County, Hydrologic Unit 05040001, on right bank at downstream side of Third Avenue bridge at Beach City, 2.3 mi upstream from Beach City Dam.

DRAINAGE AREA: 160 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: April 1945 to September 1975.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 25.0 ft³/s
 Average streamflow: 140 ft³/s (30 years)
 Minimum daily streamflow: 1.50 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	6.0	3.3	2.5	1.9	1.5	Dec.-Feb.	1	19	10	7.6	5.9	4.6
	7	7.4	4.1	3.0	2.3	1.7		7	25	13	9.5	7.5	5.8
	30	11	6.3	4.8	3.8	3.0		30	50	22	15	11	7.4
	90	17	9.7	7.3	5.9	4.7		90	185	94	62	42	26
May-Nov.	1	6.0	3.3	2.5	1.9	1.5	Sep.-Nov.	1	7.2	3.9	2.9	2.2	1.6
	7	7.4	4.1	3.0	2.3	1.7		7	9.1	4.9	3.5	2.6	1.8
	30	11	6.3	4.8	3.8	3.0		30	14	7.2	5.2	4.0	3.0
	90	18	9.8	7.4	5.9	4.6		90	29	14	10	7.6	5.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	4.7	7.1	10	13	15	19	23	35	51	77	119	185	350
May-Nov.	4.0	5.6	7.8	9.8	12	13	15	20	28	38	55	82	167
Dec.-Feb.	9.8	13	18	22	27	34	40	56	83	122	173	263	520
Sep.-Nov.	3.5	4.5	6.7	8.3	9.6	11	12	14	18	24	32	48	88

MUSKINGUM RIVER BASIN

03123300 South Fork Sugar Creek at Dundee, Ohio

LOCATION: Lat 40° 35' 35", long 81° 36' 55", Tuscarawas County, Hydrologic Unit 05040001, 200 ft upstream from county road bridge, and 0.5 mi northwest of Dundee.

DRAINAGE AREA: 124 mi².

TRIBUTARY TO: Sugar Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1945-57, 1960, and 1962 water years.

INDEX STATION: 03123000 Sugar Creek above Beach City Dam at Beach City, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.0 ft³/s September 1951.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	3.3	1.3	1.0	Dec.-Feb.	1	12	4.3	3.3
	7	4.2	1.5	1.1		7	16	5.5	4.2
	30	6.4	2.5	1.8		30	34	8.9	6.3
	90	11	4.2	3.3		90	141	42	28
May-Nov.	1	3.3	1.3	1.0	Sep.-Nov.	1	4.0	1.5	1.0
	7	4.2	1.4	1.0		7	5.2	1.7	1.2
	30	6.4	2.4	1.7		30	8.1	2.7	1.9
	90	11	4.2	3.3		90	19	5.8	4.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	2.6	4.0	6.0	7.7	9.3
May-Nov.	2.1	3.1	4.4	5.7	6.9
Dec.-Feb.	5.7	7.9	11	14	17
Sep.-Nov.	1.8	2.4	3.8	4.8	5.6

MUSKINGUM RIVER BASIN

03124000 Sugar Creek below Beach City Dam near Beach City, Ohio

LOCATION: Lat 40° 38' 08", long 81° 33' 11", in T. 10 N., R. 3 W., Tuscarawas County, Hydrologic Unit 05040001, on right bank 1,000 ft downstream from Beach City Dam, 0.4 mi downstream from South Fork, and 1.8 mi southeast of Beach City.

DRAINAGE AREA: 300 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: October 1938 to September 1991.

REMARKS: Flow regulated by Beach City Lake since 1937.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 41.6 ft³/s
 Average streamflow: 276 ft³/s (53 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 1 year)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	16	5.1	2.1	0.8	0	Dec.-Feb.	1	45	22	14	10	6.6
	7	16	7.2	4.3	1.8	.4		7	54	26	17	12	8.0
	30	21	11	8.0	5.2	2.8		30	108	45	28	19	11
	90	39	19	13	9.5	6.6		90	355	200	120	72	38
May-Nov.	1	16	5.2	2.1	0.8	0	Sep.-Nov.	1	18	5.9	2.5	1.0	0
	7	16	7.3	4.3	1.9	.4		7	18	8.2	5.0	3.1	.7
	30	22	13	9.0	5.9	2.9		30	28	13	9.0	5.7	2.6
	90	40	20	13	9.6	6.6		90	68	29	19	12	6.0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	8.3	14	20	27	34	43	53	78	116	171	254	394	760
May-Nov.	6.5	11	16	20	24	29	35	48	64	87	126	199	380
Dec.-Feb.	16	22	33	44	59	72	86	130	181	249	350	538	1080
Sep.-Nov.	5.0	8.2	12	15	18	21	24	31	41	56	79	122	230

MUSKINGUM RIVER BASIN

03124500 Sugar Creek at Strasburg, Ohio

LOCATION: Lat 40° 35' 15", long 81° 31' 24", in NW 1/4 sec. 1, T. 9 N., R. 3 W., Tuscarawas County, Hydrologic Unit 05040001, on left bank 150 ft upstream from bridge on State Route 250, 0.8 mi upstream from Broad Run, and 0.1 mi southeast of Strasburg.

DRAINAGE AREA: 311 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: October 1961 to September 1997.

REMARKS: Flow regulated by Beach City Lake 5.0 mi upstream, since August 1937. Part of municipal water supply for city of Canton, starting May 1962, is pumped from well field 4.3 mi upstream; pumpage is returned to Nimishillen Creek. Mean pumpage for water year 1996, 19.4 ft³/s.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 43.5 ft³/s
 Average streamflow: 301 ft³/s (36 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 2 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	19	6.1	2.5	0.8	0	Dec.-Feb.	1	60	28	17	11	6.5
	7	23	8.1	3.4	1.1	0		7	73	35	22	14	8.5
	30	31	13	7.1	3.7	0		30	132	60	38	25	15
	90	54	22	13	7.7	4.2		90	393	219	146	98	59
May-Nov.	1	19	6.1	2.5	0.8	0	Sep.-Nov.	1	23	7.1	2.9	1.0	0
	7	23	8.2	3.4	1.1	0		7	31	10	4.3	1.4	0
	30	32	13	7.2	3.6	0		30	40	17	9.6	5.4	0
	90	55	22	13	7.7	4.2		90	106	39	20	11	5.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	7.1	16	25	35	45	56	69	97	138	197	284	431	821
May-Nov.	4.9	11	18	24	30	37	44	60	81	109	152	231	446
Dec.-Feb.	24	37	50	66	80	93	110	154	202	269	368	564	1120
Sep.-Nov.	.9	7.2	14	18	22	26	32	43	60	78	111	168	316

MUSKINGUM RIVER BASIN

03124520 Sugar Creek at Dover, Ohio

LOCATION: Lat 40° 31' 40", long 81° 29' 43", Tuscarawas County, Hydrologic Unit 05040001, at bridge on State Route 39, 0.2 mi west of Dover city limits, 1.8 mi upstream from mouth.

DRAINAGE AREA: 348 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: Low-flow measurements, 1940, 1974-78, and 1980 water years.

INDEX STATION: 03123000 Sugar Creek above Beach City Dam at Beach City, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 52 ft³/s September 1978.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	20	9.0	7.2	Dec.-Feb.	1	56	24	20
	7	24	10	7.7		7	70	30	24
	30	34	16	12		30	132	44	33
	90	51	24	19		90	422	158	111
May-Nov.	1	20	9.0	7.2	Sep.-Nov.	1	23	10	7.4
	7	24	9.7	7.4		7	29	11	8.4
	30	34	15	12		30	41	16	13
	90	51	24	19		90	80	31	24

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	16	23	32	39	46
May-Nov.	14	19	25	31	36
Dec.-Feb.	31	40	53	64	75
Sep.-Nov.	12	15	22	26	30

MUSKINGUM RIVER BASIN

03125000 Home Creek near New Philadelphia, Ohio

LOCATION: Lat 40° 28' 06", long 81° 24' 10", Tuscarawas County, Hydrologic Unit 05040001, on right bank 100 ft downstream from highway bridge, 0.5 mi upstream from the mouth, and 1.5 mi southeast of New Philadelphia.

DRAINAGE AREA: 1.64 mi².

TRIBUTARY TO: Beaverdam Creek.

STREAMFLOW DATA USED: December 1936 to December 1979.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 0.12 ft³/s
 Average streamflow: 1.31 ft³/s (42 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 33 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0	0	0	0	0	Dec.-Feb.	1	0.1	0	0	0	0
	7	0	0	0	0	0		7	.1	0	0	0	0
	30	0	0	0	0	0		30	.4	.1	.1	0	0
	90	.1	0	0	0	0		90	1.7	.8	.4	.3	.1
May-Nov.	1	0	0	0	0	0	Sep.-Nov.	1	0	0	0	0	0
	7	0	0	0	0	0		7	0	0	0	0	0
	30	0	0	0	0	0		30	.1	0	0	0	0
	90	.1	0	0	0	0		90	.2	.1	0	0	0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0	0	0	0	0.1	0.1	0.1	0.2	0.4	0.6	1.0	1.6	3.0
May-Nov.	0	0	0	0	0	0	0	.1	.1	.2	.4	.7	1.5
Dec.-Feb.	0	0	.1	.1	.2	.2	.3	.5	.7	1.1	1.6	2.3	4.2
Sep.-Nov.	0	0	0	0	0	0	0	.1	.1	.2	.3	.5	1.1

MUSKINGUM RIVER BASIN

03125900 Boggs Fork at Piedmont, Ohio

LOCATION: Lat 40° 11' 40", long 81° 12' 35", Harrison County, Hydrologic Unit 05040001, in sec. 35, T. 10 N., R. 6 W., at bridge on U.S. Highway 22, 0.3 mi upstream from mouth and outlet of Piedmont Reservoir, 0.5 mi downstream from Plum Run, and 0.5 mi northwest of Piedmont.

DRAINAGE AREA: 36.6 mi².

TRIBUTARY TO: Stillwater Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1935-52, 1959, and 1962 water years.

INDEX STATION: 03144000 Wakatomika Creek near Frazeyburg, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.2 ft³/s August 1945.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.4	0.1	0.1	Dec.-Feb.	1	4.2	0.7	0.4
	7	.5	.2	.1		7	5.4	1.1	.7
	30	.8	.2	.2		30	16	2.3	1.3
	90	2.1	.5	.4		90	109	17	8.2
May-Nov.	1	0.4	0.1	0.1	Sep.-Nov.	1	0.5	0.1	0.1
	7	.5	.2	.1		7	.6	.2	.1
	30	.8	.3	.2		30	1.3	.3	.2
	90	2.2	.5	.4		90	6.8	1.0	.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.3	0.5	0.9	1.3	2.0
May-Nov.	.2	.4	.6	.8	1.1
Dec.-Feb.	.8	1.4	2.9	4.7	6.9
Sep.-Nov.	.2	.3	.4	.5	.6

MUSKINGUM RIVER BASIN

03126000 Stillwater Creek at Piedmont, Ohio

LOCATION: Lat 40° 11' 41", long 81° 12' 56", in sec. 35, T. 10 N., R. 6 W., Harrison County, Hydrologic Unit 05040001, on left bank 400 ft downstream from outlet of Piedmont Dam and Boggs Fork, and 0.7 mi northwest of Piedmont.

DRAINAGE AREA: 122 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: February 1939 to September 1991.

REMARKS: Flow regulated by Piedmont Lake.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 16.7 ft³/s
 Average streamflow: 139 ft³/s (52 years)
 Minimum daily streamflow: 0.20 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	4.7	1.6	0.9	0.5	0.3	Dec.-Feb.	1	21	10	6.3	4.0	2.3
	7	5.5	2.0	1.1	.7	.4		7	27	12	7.2	4.8	2.9
	30	7.9	3.0	1.8	1.2	.7		30	78	30	15	8.0	3.9
	90	17	7.1	4.5	3.1	2.1		90	190	92	55	33	17
May-Nov.	1	4.7	1.6	0.9	0.5	0.3	Sep.-Nov.	1	6.0	2.0	1.1	0.7	0.4
	7	5.6	2.0	1.1	.7	.4		7	6.8	2.4	1.3	.8	.5
	30	8.0	3.0	1.8	1.1	.7		30	10	3.6	2.0	1.3	.8
	90	18	7.5	4.8	3.4	2.3		90	52	23	14	9.0	5.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	2.2	3.9	7.7	12	17	23	31	50	77	111	164	252	373
May-Nov.	1.7	2.8	4.8	7.3	10	13	17	27	44	63	93	142	259
Dec.-Feb.	3.7	7.1	15	22	31	41	52	84	120	180	254	325	441
Sep.-Nov.	1.3	2.1	3.3	4.7	6.4	8.0	9.8	15	22	34	56	110	222

MUSKINGUM RIVER BASIN

03126170 Skull Fork at Freeport, Ohio

LOCATION: Lat 40° 11' 52", long 81° 16' 13", Harrison County, Hydrologic Unit 05040001, at bridge on county road, 0.8 mi south of Freeport.

DRAINAGE AREA: 45.9 mi².

TRIBUTARY TO: Stillwater Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1981-82 and 1997-99 water years.

INDEX STATION: 03140000 Mill Creek near Coshocton, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s September 1999.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.2	0	0	Dec.-Feb.	1	3.2	0.4	0.1
	7	.2	0	0		7	4.8	.6	.3
	30	.6	.1	0		30	13	1.6	.8
	90	1.9	.3	.2		90	65	17	8.0
May-Nov.	1	0.2	0	0	Sep.-Nov.	1	0.2	0	0
	7	.2	0	0		7	.4	0	0
	30	.6	.1	0		30	1.0	.1	.1
	90	2.0	.3	.2		90	5.4	.6	.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.1	0.2	0.6	1.0	1.6
May-Nov.	.1	.1	.3	.6	.8
Dec.-Feb.	.6	1.1	2.1	3.7	5.4
Sep.-Nov.	0	.1	.2	.3	.5

MUSKINGUM RIVER BASIN

03127000 Stillwater Creek at Tippecanoe, Ohio

LOCATION: Lat 40° 16' 13", long 81° 17' 26", in NW 1/4 sec. 22, T. 12 N., R. 7 W., Harrison County, Hydrologic Unit 05040001, on left bank at downstream side of highway bridge at Tippecanoe, 0.4 mi downstream from Brushy Fork, 3.6 mi upstream from Weaver Run, 6.0 mi upstream from Laurel Creek, and 9.0 mi south of Dennison.

DRAINAGE AREA: 282 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: January 1939 to September 1991.

REMARKS: Flow regulated by Clendening Lake on Brushy Fork, 1.9 mi upstream and Piedmont Lake, 16 mi upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 45.7 ft³/s
 Average streamflow: 325 ft³/s (52 years)
 Minimum daily streamflow: 1.10 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	11	5.6	3.7	2.7	1.8	Dec.-Feb.	1	51	24	16	11	6.9
	7	13	6.2	4.3	3.1	2.2		7	69	31	19	13	8.2
	30	17	8.1	5.6	4.2	3.0		30	186	73	40	23	12
	90	35	17	12	8.8	6.6		90	452	240	154	100	57
May-Nov.	1	11	5.5	3.7	2.7	1.8	Sep.-Nov.	1	13	5.7	3.8	2.7	1.9
	7	13	6.2	4.2	3.1	2.2		7	14	6.5	4.5	3.4	2.5
	30	17	8.1	5.6	4.2	3.0		30	21	9.3	6.3	4.6	3.3
	90	35	17	12	9.6	7.3		90	112	53	35	24	15

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	6.8	10	17	25	34	48	65	106	162	243	370	570	934
May-Nov.	6.0	8.1	12	17	21	26	34	54	83	124	185	295	564
Dec.-Feb.	14	27	43	67	87	108	132	203	298	423	573	786	1130
Sep.-Nov.	4.4	6.5	8.7	12	14	17	21	30	45	74	127	237	455

MUSKINGUM RIVER BASIN

03127100 Crooked Creek near Stillwater, Ohio

LOCATION: Lat 40° 18' 29", long 81° 19' 26", Tuscarawas County, Hydrologic Unit 05040001, at bridge on State Route 258, 0.7 mi upstream from mouth, and 1.2 mi southwest of Stillwater.

DRAINAGE AREA: 47.5 mi².

TRIBUTARY TO: Stillwater Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1974-78 and 1980 water years.

INDEX STATION: 03140000 Mill Creek near Coshocton, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 2.3 ft³/s September 1976.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.6	0.1	0.1	Dec.-Feb.	1	5.4	1.0	0.4
	7	.7	.2	.1		7	7.6	1.5	.8
	30	1.4	.3	.2		30	16	3.2	1.8
	90	3.6	.9	.6		90	60	20	11
May-Nov.	1	0.6	0.1	0.1	Sep.-Nov.	1	0.7	0.2	0.1
	7	.7	.2	.1		7	1.0	.2	.1
	30	1.4	.3	.2		30	2.2	.4	.3
	90	3.7	.9	.6		90	8.3	1.5	.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.3	0.7	1.5	2.2	3.1
May-Nov.	.3	.4	.8	1.4	1.8
Dec.-Feb.	1.4	2.4	4.0	6.1	8.3
Sep.-Nov.	.1	.3	.6	.8	1.2

MUSKINGUM RIVER BASIN

03127500 Stillwater Creek at Uhrichsville, Ohio

LOCATION: Lat 40° 23' 10", long 81° 20' 50", Tuscarawas County, Hydrologic Unit 05040001, on left bank at concrete dam of Dennison Water Supply Co. at Uhrichsville, 2.2 mi upstream from Little Stillwater Creek.

DRAINAGE AREA: 367 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: October 1937 to September 1991.

REMARKS: Flow regulated by Piedmont Lake, 35 mi upstream, and Clendening Lake on Brushy Fork, 22 mi upstream, beginning in 1938. Water is diverted from Uhrichsville; diversion not included in figures on daily discharge.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 44.2 ft³/s
 Average streamflow: 426 ft³/s (54 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 1 year)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	12	3.6	1.5	0.6	0	Dec.-Feb.	1	66	31	21	15	9.9
	7	15	5.2	2.7	1.4	.7		7	89	40	26	18	12
	30	23	8.9	5.2	3.2	1.8		30	239	96	55	33	17
	90	46	23	16	13	9.6		90	593	326	214	142	84
May-Nov.	1	12	3.5	1.5	0.6	0	Sep.-Nov.	1	14	3.9	1.6	0.7	0
	7	15	5.3	2.7	1.4	.7		7	18	5.8	2.9	1.6	.7
	30	23	8.9	5.2	3.2	1.8		30	31	11	6.1	3.7	2.1
	90	47	24	17	13	10		90	132	63	42	30	20

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	7.9	14	24	35	48	65	86	139	216	326	495	748	1200
May-Nov.	5.7	10	16	23	30	37	46	71	108	161	240	393	738
Dec.-Feb.	12	30	52	83	111	140	174	259	389	546	744	1020	1420
Sep.-Nov.	3.4	6.6	11	15	20	24	29	42	59	91	154	278	521

MUSKINGUM RIVER BASIN

03127970 Clear Fork Tributary near Hanover, Ohio

LOCATION: Lat 40° 21' 07", long 81° 04' 14", Harrison County, Hydrologic Unit 05040001, at bridge on Archer Township Road 239-A, 1.1 mi south of Hanover, 1.2 mi upstream from mouth, 3.6 mi southwest of Jewett.

DRAINAGE AREA: 0.68 mi².

TRIBUTARY TO: Clear Fork.

STREAMFLOW DATA USED: Continuous streamflow record August 1977 to September 1981.

INDEX STATION: 03111500 Short Creek near Dillonvale, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.06 ft³/s August 1981.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.1	0	0	Dec.-Feb.	1	0.2	0.1	0
	7	.1	0	0		7	.2	.1	.1
	30	.1	.1	0		30	.3	.1	.1
	90	.1	.1	.1		90	.6	.3	.2
May-Nov.	1	0.1	0	0	Sep.-Nov.	1	0.1	0	0
	7	.1	0	0		7	.1	0	0
	30	.1	.1	0		30	.1	.1	0
	90	.2	.1	.1		90	.2	.1	.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.1	0.1	0.1	0.1	0.1
May-Nov.	.1	.1	.1	.1	.1
Dec.-Feb.	.1	.1	.1	.2	.2
Sep.-Nov.	0	.1	.1	.1	.1

MUSKINGUM RIVER BASIN

03128500 Little Stillwater Creek below Tappan Dam, at Tappan, Ohio

LOCATION: Lat 40° 21' 25", long 81° 13' 49", in NW 1/4 sec. 4, T. 13 N., R. 7 W., Harrison County, Hydrologic Unit 05040001, on right bank 150 ft downstream from outlet of lake at Tappan Dam, 1.0 mi west of Tappan, and 2.0 mi upstream from Plum Run.

DRAINAGE AREA: 71.1 mi².

TRIBUTARY TO: Stillwater Creek.

STREAMFLOW DATA USED: October 1938 to September 1991.

REMARKS: Flow completely regulated by Tappan Lake.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 6.21 ft³/s
 Average streamflow: 77.5 ft³/s (53 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 2 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	1.3	0.7	0.4	0.1	0	Dec.-Feb.	1	2.4	1.3	1.0	0.8	0.7
	7	1.7	1.1	.7	.5	.3		7	4.0	1.7	1.2	.9	.7
	30	3.3	1.4	.8	.7	.5		30	25	8.4	4.4	2.5	1.3
	90	7.1	2.9	1.9	1.3	.9		90	97	43	24	14	6.7
May-Nov.	1	1.9	0.9	0.6	0.4	0.1	Sep.-Nov.	1	2.1	1.2	1.0	0.8	0.6
	7	2.6	1.3	.9	.6	.2		7	3.0	1.7	1.3	1.0	.6
	30	4.3	1.7	.9	.6	.3		30	5.3	1.8	1.0	1.0	.6
	90	7.8	3.0	1.9	1.3	.9		90	44	15	7.6	4.0	1.7

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	1.1	1.7	2.2	2.6	3.5	5.1	7.6	15	27	48	75	138	237
May-Nov.	.9	1.7	2.2	2.6	3.4	4.7	6.2	11	17	27	48	81	171
Dec.-Feb.	1.5	1.9	2.3	2.8	4.0	7.2	11	24	48	70	122	183	276
Sep.-Nov.	1.2	1.6	1.9	2.2	2.4	2.9	3.5	5.5	9.9	18	33	88	185

MUSKINGUM RIVER BASIN

03128600 Little Stillwater Creek near Dennison, Ohio

LOCATION: Lat 40° 24' 19", long 81° 17' 18", Tuscarawas County, Hydrologic Unit 05040001, at county road bridge, 1.3 mi upstream from Irish Run, 2.5 mi east of Dennison.

DRAINAGE AREA: 96.4 mi².

TRIBUTARY TO: Stillwater Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1974-78 and 1980 water years.

INDEX STATION: 03128500 Little Stillwater Creek below Tappan Dam, at Tappan, Ohio.

REMARKS: Flow completely regulated by Tappan Lake.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 8.1 ft³/s September 1976.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	2.3	0.7	0.2	Dec.-Feb.	1	4.0	1.8	1.5
	7	2.9	1.4	.9		7	6.3	2.0	1.6
	30	5.3	1.5	1.2		30	35	6.9	4.1
	90	11	3.1	2.2		90	118	33	20
May-Nov.	1	3.2	1.1	0.8	Sep.-Nov.	1	3.6	1.7	1.4
	7	4.3	1.6	1.1		7	4.9	2.2	1.8
	30	6.8	1.7	1.1		30	8.1	2.2	1.8
	90	12	3.2	2.2		90	57	11	6.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.9	2.9	3.6	4.2	5.6
May-Nov.	1.6	2.9	3.6	4.2	5.4
Dec.-Feb.	2.6	3.2	3.8	4.6	6.3
Sep.-Nov.	2.1	2.7	3.2	3.6	4.0

MUSKINGUM RIVER BASIN

03128700 Tuscarawas River at Tuscarawas, Ohio

LOCATION: Lat 40° 23' 37", long 81° 23' 26", Tuscarawas County, Hydrologic Unit 05040001, at bridge on County Road 62, 2.8 mi below Stillwater Creek, 0.4 mi east of Tuscarawas city limits.

DRAINAGE AREA: 2,367 mi².

TRIBUTARY TO: Head of Muskingum River.

STREAMFLOW DATA USED: Low-flow measurements, 1974-78 and 1980 water years.

INDEX STATION: 03129000 Tuscarawas River at Newcomerstown, Ohio.

REMARKS: Regulation and diversion may occur at various points upstream from site.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 647 ft³/s September 1976.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	384	277	256	Dec.-Feb.	1	704	386	330
	7	406	290	266		7	757	409	351
	30	473	329	306		30	1250	544	428
	90	643	401	360		90	2590	1200	833
May-Nov.	1	384	278	257	Sep.-Nov.	1	400	281	262
	7	408	290	266		7	430	295	273
	30	475	327	304		30	529	327	296
	90	652	402	361		90	949	501	422

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	337	389	461	540	627
May-Nov.	320	360	410	459	513
Dec.-Feb.	392	474	586	717	833
Sep.-Nov.	301	333	369	400	429

MUSKINGUM RIVER BASIN

03129000 Tuscarawas River at Newcomerstown, Ohio

LOCATION: Lat 40° 15' 41", long 81° 36' 33", in T. 5 N., R. 3 W., Tuscarawas County, Hydrologic Unit 05040001, on right bank 150 ft upstream from highway bridge, 0.2 mi south of Newcomerstown, 2.0 mi upstream from Buckhorn Creek, and 4.0 mi downstream from Dunlap Creek.

DRAINAGE AREA: 2,443 mi².

TRIBUTARY TO: Head of Muskingum River.

STREAMFLOW DATA USED: October 1937 to September 1997.

REMARKS: Diversion from basin at Portage Lakes. Flow regulated by eight flood-control reservoirs at points 40 mi to 64 mi upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 1,060 ft³/s
 Average streamflow: 2,580 ft³/s (60 years)
 Minimum daily streamflow: 216 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	360	281	250	229	209	Dec.-Feb.	1	712	453	363	304	250
	7	384	296	263	239	218		7	772	483	387	326	272
	30	455	341	303	279	259		30	1350	737	533	407	300
	90	643	446	378	335	295		90	3070	1850	1300	860	530
May-Nov.	1	361	281	251	230	210	Sep.-Nov.	1	377	285	254	235	217
	7	386	297	263	239	218		7	409	303	268	246	226
	30	458	340	301	277	256		30	517	353	301	269	241
	90	653	450	381	336	297		90	995	617	486	401	326

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	312	365	443	528	625	743	862	1160	1530	2050	2840	4110	6760
May-Nov.	294	335	388	440	499	564	635	814	1020	1300	1670	2370	3950
Dec.-Feb.	369	457	579	727	859	1020	1200	1630	2170	2830	3760	5410	8100
Sep.-Nov.	274	307	345	377	408	444	484	581	734	926	1210	1680	2690

MUSKINGUM RIVER BASIN

03129100 White Eyes Creek near Fresno, Ohio

LOCATION: Lat 40° 18' 17", long 81° 45' 01", Coshocton County, Hydrologic Unit 05040001, at bridge on private road adjacent to State Route 93, 2.0 mi south of Fresno.

DRAINAGE AREA: 52.1 mi².

TRIBUTARY TO: Tuscarawas River.

STREAMFLOW DATA USED: Low-flow measurements, 1972-77 water years.

INDEX STATION: 03140000 Mill Creek near Coshocton, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 2.9 ft³/s June 1977.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.9	0.2	0.1	Dec.-Feb.	1	9.2	1.6	0.6
	7	1.1	.2	.2		7	13	2.4	1.3
	30	2.3	.5	.3		30	29	5.3	3.0
	90	6.0	1.4	.9		90	112	36	20
May-Nov.	1	0.9	0.2	0.1	Sep.-Nov.	1	1.1	0.2	0.1
	7	1.1	.2	.2		7	1.5	.3	.2
	30	2.3	.5	.3		30	3.6	.7	.4
	90	6.2	1.4	.9		90	14	2.5	1.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.4	1.1	2.5	3.7	5.1
May-Nov.	.4	.6	1.3	2.2	2.9
Dec.-Feb.	2.2	3.9	6.6	10	14
Sep.-Nov.	.2	.4	.8	1.3	2.0

MUSKINGUM RIVER BASIN

03129150 Tuscarawas River at Coshocton, Ohio

LOCATION: Lat 40° 16' 44", long 81° 52' 15", Coshocton County, Hydrologic Unit 05040001, at bridge on Bridge Street, at Coshocton City Limits, 0.3 mi upstream Walhonding River.

DRAINAGE AREA: 2,596 mi².

TRIBUTARY TO: Head of Muskingum River.

STREAMFLOW DATA USED: Low-flow measurements, 1974-80 water years.

INDEX STATION: 03129000 Tuscarawas River at Newcomerstown, Ohio.

REMARKS: Regulation and diversion may occur at various points upstream from site.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 727 ft³/s September 1976.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	392	271	248	Dec.-Feb.	1	779	395	330
	7	418	285	259		7	846	421	354
	30	496	329	303		30	1490	582	443
	90	703	412	364		90	3410	1430	943
May-Nov.	1	393	272	249	Sep.-Nov.	1	410	276	255
	7	420	285	259		7	446	291	267
	30	499	327	301		30	564	327	292
	90	714	414	365		90	1090	530	437

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	339	398	483	577	683
May-Nov.	320	365	423	480	544
Dec.-Feb.	402	498	633	796	942
Sep.-Nov.	297	334	375	411	444

MUSKINGUM RIVER BASIN

03129400 Black Fork above Charles Mill Dam, near Mifflin, Ohio

LOCATION: Lat 40° 47' 50", long 82° 23' 25", Ashland County, Hydrologic Unit 05040002, 0.3 mi downstream from Steigerwald Bridge, 2.1 mi northwest of Mifflin.

DRAINAGE AREA: 193 mi².

TRIBUTARY TO: Head of Walhonding River.

STREAMFLOW DATA USED: Low-flow measurements, 1944-67 and 1971 water years.

INDEX STATION: 03137000 Kokosing River at Millwood, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 2.9 ft³/s September 1944.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	5.9	3.6	3.1	Dec.-Feb.	1	12	5.1	4.2
	7	6.2	3.8	3.4		7	14	5.7	4.5
	30	7.4	4.5	4.0		30	30	8.0	5.6
	90	9.4	5.5	4.9		90	109	27	17
May-Nov.	1	6.0	3.6	3.1	Sep.-Nov.	1	6.3	3.8	3.2
	7	6.3	3.9	3.4		7	6.6	4.0	3.6
	30	7.4	4.5	4.0		30	7.2	5.0	4.9
	90	9.5	5.5	5.0		90	15	6.2	5.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	4.4	5.4	6.8	8.0	9.2
May-Nov.	4.0	4.9	6.0	6.9	7.7
Dec.-Feb.	5.3	6.5	8.4	11	14
Sep.-Nov.	3.7	4.4	5.2	5.9	6.5

MUSKINGUM RIVER BASIN

03130000 Black Fork below Charles Mill Dam near Mifflin, Ohio

LOCATION: Lat 40° 44' 16", long 82° 21' 48", in NE 1/4 sec. 35, T. 23 N., R. 17 W., Ashland County, Hydrologic Unit 05040002, on left bank 700 ft downstream from Charles Mill Dam, 2.5 mi south of Mifflin, and 4.0 mi upstream from Rocky Fork.

DRAINAGE AREA: 217 mi².

TRIBUTARY TO: Head of Walhonding River.

STREAMFLOW DATA USED: November 1938 to September 1991.

REMARKS: Flow regulated by Charles Mill Lake.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 42.7 ft³/s
 Average streamflow: 206 ft³/s (52 years)
 Minimum daily streamflow: 0.50 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	10	5.1	2.7	1.2	0.5	Dec.-Feb.	1	29	15	10	7.6	5.4
	7	16	8.4	5.4	3.6	2.1		7	46	23	16	12	8.4
	30	18	12	9.2	7.7	6.1		30	92	40	25	17	11
	90	29	18	15	13	12		90	241	120	71	43	23
May-Nov.	1	12	6.4	3.4	1.6	0.5	Sep.-Nov.	1	16	7.8	4.5	2.4	0.8
	7	16	8.5	5.5	3.6	2.1		7	17	9.5	6.7	4.9	3.3
	30	18	12	9.1	7.2	5.5		30	22	13	11	9.3	8.0
	90	30	19	15	13	12		90	53	28	20	15	11

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	10	15	19	23	26	31	37	58	92	142	205	333	591
May-Nov.	8.3	13	17	20	22	24	27	34	46	64	96	162	340
Dec.-Feb.	14	19	25	33	46	66	84	131	166	197	267	428	714
Sep.-Nov.	7.2	9.8	14	16	18	20	22	25	31	41	59	100	180

MUSKINGUM RIVER BASIN

03130500 Touby Run at Mansfield, Ohio

LOCATION: Lat 40° 45' 53", long 81° 32' 43", in NW 1/4 sec. 20, T. 21 N., R. 18 W., Richland County, Hydrologic Unit 05040002, on left bank 100 ft downstream from West 4th Street bridge at west edge of Mansfield, and 2.0 mi upstream from mouth.

DRAINAGE AREA: 5.44 mi².

TRIBUTARY TO: Rocky Fork.

STREAMFLOW DATA USED: October 1946 to September 1978.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 0.87 ft³/s
 Average streamflow: 5.12 ft³/s (32 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 1 year)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0.2	0.1	0	0	0	Dec.-Feb.	1	0.6	0.3	0.2	0.1	0.1
	7	.3	.2	.1	.1	.1		7	.7	.3	.2	.2	.1
	30	.6	.3	.2	.2	.1		30	2.0	.8	.5	.3	.2
	90	1.1	.6	.4	.3	.2		90	6.4	3.5	2.3	1.5	.8
May-Nov.	1	0.2	0.1	0	0	0	Sep.-Nov.	1	0.3	0.1	0.1	0	0
	7	.3	.2	.1	.1	.1		7	.4	.2	.1	.1	.1
	30	.6	.3	.2	.2	.1		30	.7	.4	.3	.2	.1
	90	1.1	.6	.4	.3	.2		90	1.8	.8	.5	.3	.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.2	0.3	0.4	0.5	0.6	0.7	0.9	1.2	1.6	2.3	3.5	5.7	12
May-Nov.	.2	.2	.3	.4	.5	.6	.7	.8	1.0	1.3	1.8	2.7	5.7
Dec.-Feb.	.2	.3	.6	.7	.9	1.1	1.3	1.7	2.3	3.2	4.9	8.0	16
Sep.-Nov.	.1	.2	.2	.3	.4	.5	.5	.7	.9	1.2	1.5	2.1	4.4

MUSKINGUM RIVER BASIN

03131500 Black Fork at Loudonville, Ohio

LOCATION: Lat 40° 38' 09", long 82° 14' 22", in NW 1/4 sec. 1, T. 19 N., R. 16 W., Ashland County, Hydrologic Unit 05040002, on right bank at upstream side of bridge on State Route 3 at Loudonville, 1.5 mi downstream from Big Run.

DRAINAGE AREA: 349 mi².

TRIBUTARY TO: Head of Walhonding River.

STREAMFLOW DATA USED: October 1936 to September 1991.

REMARKS: Flow regulated since 1936 by Charles Mill Lake, 16 mi upstream from station. Records include diversion from Clear Fork Reservoir, which enters the Black Fork drainage as sewage effluent from the city of Mansfield.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 161 ft³/s
 Average streamflow: 368 ft³/s (54 years)
 Minimum daily streamflow: 34.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	68	53	46	41	36	Dec.-Feb.	1	105	70	58	50	42
	7	73	58	52	47	43		7	120	78	64	55	47
	30	80	64	59	54	50		30	191	109	82	65	50
	90	100	75	67	62	58		90	416	241	170	125	80
May-Nov.	1	69	54	47	41	36	Sep.-Nov.	1	71	54	47	41	36
	7	74	58	52	47	43		7	75	58	52	47	43
	30	81	65	59	54	48		30	86	66	60	55	48
	90	100	76	68	63	59		90	133	89	74	64	55

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	56	66	77	85	95	105	118	156	207	276	382	586	932
May-Nov.	54	61	72	78	84	90	96	113	135	168	219	313	570
Dec.-Feb.	58	71	86	100	128	153	180	238	290	359	500	724	1110
Sep.-Nov.	50	56	64	70	75	79	83	91	105	123	151	204	304

MUSKINGUM RIVER BASIN

03132000 Clear Fork at Butler, Ohio

LOCATION: Lat 40° 35' 37", long 82° 25' 20", in NE 1/4 sec. 20, T. 21 N., R. 17 W., Richland County, Hydrologic Unit 05040002, on left bank at downstream side of bridge on State Route 95, 0.3 mi northeast of Butler.

DRAINAGE AREA: 136 mi².

TRIBUTARY TO: Black Fork.

STREAMFLOW DATA USED: October 1953 to September 1975.

REMARKS: Flow regulated by Clear Fork Reservoir, 16 mi upstream from station, since 1949. Water diverted from Clear Fork for municipal supply of city of Mansfield since 1953.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 54.0 ft³/s
 Average streamflow: 136 ft³/s (22 years)
 Minimum daily streamflow: 16.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	24	20	18	17	15	Dec.-Feb.	1	35	25	22	20	19
	7	25	20	19	17	16		7	39	28	24	22	20
	30	27	22	20	19	18		30	58	35	28	24	20
	90	33	25	22	20	19		90	148	80	55	39	26
May-Nov.	1	24	20	18	16	15	Sep.-Nov.	1	24	20	18	17	16
	7	25	20	19	17	16		7	25	21	19	18	17
	30	27	22	20	19	18		30	28	22	21	20	19
	90	34	25	22	20	19		90	43	29	25	22	20

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	21	24	26	29	32	36	40	50	65	86	119	175	302
May-Nov.	20	22	24	26	28	30	33	38	46	55	70	99	165
Dec.-Feb.	23	26	29	33	37	43	48	63	80	99	133	196	352
Sep.-Nov.	19	21	23	24	25	26	27	30	33	38	44	54	77

MUSKINGUM RIVER BASIN

03133500 Clear Fork below Pleasant Hill Dam, near Perrysville, Ohio

LOCATION: Lat 40° 37' 13", long 81° 19' 28", in NE 1/4 sec. 7, T. 19 N., R. 16 W., Ashland County, Hydrologic Unit 05040002, on right bank 0.2 mi downstream from Pleasant Hill Dam, 2.8 mi south of Perrysville, and 4.7 mi upstream from the confluence of Clear Fork and Black Fork.

DRAINAGE AREA: 198 mi².

TRIBUTARY TO: Black Fork.

STREAMFLOW DATA USED: November 1938 to September 1991.

REMARKS: Flow regulated by Pleasant Hill Lake. Water diverted from Clear Fork Reservoir (upstream from Pleasant Hill Lake) for municipal supply of city of Mansfield since 1953.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 68.6 ft³/s
 Average streamflow: 199 ft³/s (51 years)
 Minimum daily streamflow: 0.60 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	28	20	16	13	10	Dec.-Feb.	1	41	27	21	18	15
	7	29	23	20	17	15		7	49	30	24	21	17
	30	35	26	23	20	18		30	91	49	36	27	21
	90	45	31	26	23	20		90	225	124	88	64	44
May-Nov.	1	30	22	18	15	11	Sep.-Nov.	1	31	22	18	15	12
	7	32	24	21	18	15		7	32	24	21	18	16
	30	36	26	23	20	18		30	38	27	23	21	19
	90	46	31	26	23	19		90	67	44	36	31	27

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	24	28	33	37	41	47	54	73	100	139	192	291	537
May-Nov.	22	27	31	34	37	39	43	52	66	85	116	165	280
Dec.-Feb.	26	32	38	45	54	63	73	101	136	179	253	427	659
Sep.-Nov.	17	24	28	30	33	35	37	40	46	56	75	108	168

MUSKINGUM RIVER BASIN

03134000 Jerome Fork at Jeromesville, Ohio

LOCATION: Lat 40° 48' 07", long 81° 12' 01", in SW 1/4 sec. 5, T. 2 N., R. 15 W., Ashland County, Hydrologic Unit 05040002, at highway bridge at Jeromesville, 1.0 mi upstream from Oldtown Run.

DRAINAGE AREA: 120 mi².

TRIBUTARY TO: Mohican River.

STREAMFLOW DATA USED: October 1925 to September 1949.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 14.4 ft³/s
 Average streamflow: 100 ft³/s (24 years)
 Minimum daily streamflow: 2.00 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	3.4	2.4	2.1	1.8	1.6	Dec.-Feb.	1	9.9	4.7	2.9	2.0	1.3
	7	4.0	2.9	2.5	2.2	1.9		7	12	5.7	3.7	2.6	1.7
	30	6.3	4.5	3.9	3.4	3.0		30	31	12	6.9	4.4	2.6
	90	11	7.1	5.8	4.9	4.1		90	131	57	29	15	7.0
May-Nov.	1	3.7	2.6	2.2	1.9	1.6	Sep.-Nov.	1	4.5	3.2	2.6	2.3	1.9
	7	4.2	3.0	2.5	2.2	1.9		7	4.9	3.5	3.0	2.8	2.5
	30	6.5	4.6	3.9	3.4	2.9		30	7.5	4.9	4.3	4.0	3.8
	90	11	7.6	6.2	5.2	4.4		90	19	9.9	7.3	5.8	4.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	3.4	4.2	5.4	6.7	8.2	10	12	18	26	41	64	107	225
May-Nov.	3.2	3.8	4.7	5.5	6.4	7.4	8.5	12	15	20	29	45	99
Dec.-Feb.	4.2	5.4	7.5	9.8	13	16	20	30	46	68	98	157	351
Sep.-Nov.	3.3	3.8	4.4	5.0	5.6	6.2	6.9	8.4	11	13	17	28	64

MUSKINGUM RIVER BASIN

03134300 Muddy Fork near Rowsburg, Ohio

LOCATION: Lat 40° 50' 10", long 82° 08' 16", Ashland County, Hydrologic Unit 05040002, at bridge on Township Road 1550, 1.8 mi southeast of Rowsburg.

DRAINAGE AREA: 66.2 mi².

TRIBUTARY TO: Lake Fork.

STREAMFLOW DATA USED: Low-flow measurements, 1959, 1972-76, and 1978 water years.

INDEX STATION: 03144000 Wakatomika Creek near Frazeyburg, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.6 ft³/s September 1978.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	2.6	1.4	1.2	Dec.-Feb.	1	8.4	3.4	2.5
	7	2.8	1.5	1.3		7	9.6	4.2	3.3
	30	3.6	1.9	1.6		30	17	6.2	4.5
	90	5.9	2.8	2.3		90	46	18	12
May-Nov.	1	2.6	1.4	1.2	Sep.-Nov.	1	2.8	1.4	1.2
	7	2.8	1.5	1.3		7	3.1	1.6	1.4
	30	3.6	2.0	1.7		30	4.6	2.1	1.7
	90	5.9	2.8	2.3		90	11	3.9	2.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	2.0	2.7	3.7	4.6	5.6
May-Nov.	1.8	2.3	2.9	3.6	4.1
Dec.-Feb.	3.5	4.7	6.9	9.0	11
Sep.-Nov.	1.5	2.0	2.5	2.8	3.2

MUSKINGUM RIVER BASIN

03135000 Lake Fork below Mohicanville Dam, near Mohicanville, Ohio

LOCATION: Lat 40° 43' 24", long 82° 09' 18", in sec. 3, T. 20 N., R. 15 W., Ashland County, Hydrologic Unit 05040002, on right bank 800 ft downstream from Mohicanville Dam, 2.0 mi east of Mohicanville, and 2.4 mi downstream from the confluence of Jerome and Muddy Forks.

DRAINAGE AREA: 271 mi².

TRIBUTARY TO: Mohican River.

STREAMFLOW DATA USED: October 1938 to September 1993.

REMARKS: Flow regulated by Mohicanville Reservoir.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 45.7 ft³/s
 Average streamflow: 243 ft³/s (55 years)
 Minimum daily streamflow: 1.00 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	13	6.6	4.2	2.8	1.7	Dec.-Feb.	1	31	15	10	7.3	5.0
	7	16	10	8.0	6.6	5.4		7	41	22	17	13	10
	30	20	13	10	8.8	7.5		30	88	38	24	17	11
	90	34	19	15	12	9.7		90	293	160	92	56	30
May-Nov.	1	14	8.0	5.5	3.9	2.5	Sep.-Nov.	1	14	8.8	7.1	6.0	5.1
	7	16	10	8.0	6.6	5.4		7	16	10	8.2	6.9	5.9
	30	20	13	10	8.8	7.5		30	24	14	11	9.3	8.0
	90	34	19	15	12	9.6		90	58	28	19	14	9.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	10	14	18	23	28	33	40	60	89	131	202	369	838
May-Nov.	8.9	12	15	18	21	24	28	37	50	67	95	153	378
Dec.-Feb.	15	19	26	33	42	55	67	98	140	196	299	548	1010
Sep.-Nov.	7.7	9.4	13	15	17	19	21	27	34	44	60	92	190

MUSKINGUM RIVER BASIN

03136000 Mohican River at Greer, Ohio

LOCATION: Lat 40° 30' 53", long 82° 11' 44", in NW 1/4 sec. 10, T. 8 N., R. 10 W., Knox County, Hydrologic Unit 05040002, on left bank 3,000 ft downstream from bridge on State Route 514 at Greer, 5.0 mi upstream from Negro Run, and 7.0 mi downstream from Lake Fork.

DRAINAGE AREA: 948 mi².

TRIBUTARY TO: Walhonding River.

STREAMFLOW DATA USED: October 1938 to April 1982.

REMARKS: Flow regulated by Charles Mill Lake on Black Fork, 30 mi upstream, Pleasant Hill Lake on Clear Fork, 17 mi upstream, and Mohicanville Reservoir on Lake Fork, 19 mi upstream, beginning August 1936.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 345 ft³/s
 Average streamflow: 923 ft³/s (43 years)
 Minimum daily streamflow: 77.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	132	104	93	86	78	Dec.-Feb.	1	217	138	112	95	81
	7	143	113	102	94	86		7	244	155	126	108	92
	30	159	128	118	113	109		30	409	218	160	125	96
	90	211	157	139	129	120		90	979	541	370	260	170
May-Nov.	1	135	107	95	87	79	Sep.-Nov.	1	139	107	95	87	79
	7	144	114	102	95	87		7	146	114	102	94	87
	30	160	126	116	110	105		30	172	129	117	110	104
	90	216	160	142	131	122		90	275	191	165	150	137

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	117	133	153	173	195	220	250	334	461	646	941	1430	2470
May-Nov.	111	126	141	155	169	184	202	243	298	387	513	771	1360
Dec.-Feb.	122	146	173	196	228	286	337	473	627	858	1180	1800	2980
Sep.-Nov.	104	115	128	138	146	154	164	186	218	259	321	433	687

MUSKINGUM RIVER BASIN

03136235 Kokosing River near Mount Vernon, Ohio

LOCATION: Lat 40° 25' 33", long 82° 30' 59", Knox County, Hydrologic Unit 05040003, at bridge on county road, 1.0 mi upstream from North Branch, 2.8 mi northwest of Mt. Vernon.

DRAINAGE AREA: 100 mi².

TRIBUTARY TO: Walhonding River.

STREAMFLOW DATA USED: Low-flow measurements, 1980-83 water years.

INDEX STATION: 03139000 Killbuck Creek at Killbuck, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 11.4 ft³/s October 1981.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	8.0	5.0	4.5	Dec.-Feb.	1	14	7.2	6.1
	7	8.4	5.3	4.7		7	15	7.7	6.5
	30	9.9	6.1	5.5		30	25	10	7.8
	90	13	7.4	6.4		90	61	25	18
May-Nov.	1	8.0	5.0	4.5	Sep.-Nov.	1	8.1	5.2	4.7
	7	8.5	5.3	4.7		7	8.7	5.4	4.9
	30	10	6.1	5.4		30	11	6.2	5.4
	90	14	7.5	6.5		90	18	8.9	7.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	6.1	7.4	9.0	11	12
May-Nov.	5.6	6.7	7.8	8.9	10
Dec.-Feb.	7.3	9.4	11	13	15
Sep.-Nov.	5.1	6.1	7.1	7.8	8.5

MUSKINGUM RIVER BASIN

03136500 Kokosing River at Mount Vernon, Ohio

LOCATION: Lat 40° 24' 20", long 82° 30' 00", in sec. 2, T. 6 N., R. 13 W., Knox County, Hydrologic Unit 05040003, on right bank 300 ft downstream from Tilden Avenue Bridge at Mount Vernon, 0.8 mi downstream from North Branch, and 2.7 mi upstream from Dry Creek.

DRAINAGE AREA: 202 mi².

TRIBUTARY TO: Walhonding River.

STREAMFLOW DATA USED: March 1953 to September 1997.

REMARKS: Some regulation by Knox Lake, capacity, 3,750 acre-ft, 8.2 mi upstream on East Branch of North Branch Kokosing River, beginning in 1954; and North Branch Kokosing River Lake, 14,886 acre-ft, 10 mi upstream on North Branch Kokosing River, beginning in June 1972.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 70.1 ft³/s
 Average streamflow: 220 ft³/s (44 years)
 Minimum daily streamflow: 8.60 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	27	18	14	12	9.1	Dec.-Feb.	1	50	32	26	22	18
	7	28	20	16	14	11		7	57	35	28	23	19
	30	33	23	19	16	14		30	96	53	39	30	22
	90	44	29	24	20	17		90	291	180	95	54	28
May-Nov.	1	27	18	14	12	9.1	Sep.-Nov.	1	28	19	15	12	9.9
	7	29	20	16	14	11		7	30	20	16	14	11
	30	33	23	19	16	14		30	35	23	19	15	13
	90	45	29	24	20	17		90	67	39	29	22	16

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	20	25	31	36	42	49	56	76	105	142	195	280	492
May-Nov.	18	22	26	30	34	38	42	52	65	83	112	162	279
Dec.-Feb.	26	32	42	50	60	72	83	115	148	189	251	358	640
Sep.-Nov.	16	19	22	26	28	31	34	39	46	57	73	100	170

MUSKINGUM RIVER BASIN

03137000 Kokosing River at Millwood, Ohio

LOCATION: Lat 40° 23' 51", long 82° 17' 09", in SE 1/4 sec. 20, T. 7 N., R. 11 W., Knox County, Hydrologic Unit 05040003, on left bank 0.4 mi west of Millwood, 1.5 mi upstream from Honey Run, and 2.0 mi downstream from Jelloway Creek.

DRAINAGE AREA: 455 mi².

TRIBUTARY TO: Walhonding River.

STREAMFLOW DATA USED: October 1921 to September 1974.

REMARKS: Some regulation by North Branch Kokosing River Lake, 29 mi upstream on North Branch Kokosing River, beginning June 1972.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 148 ft³/s
 Average streamflow: 481 ft³/s (53 years)
 Minimum daily streamflow: 34.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	59	45	40	36	32	Dec.-Feb.	1	102	66	53	45	37
	7	62	48	42	38	34		7	118	73	58	47	38
	30	71	54	48	44	40		30	214	108	75	56	41
	90	86	63	56	51	47		90	598	302	198	134	83
May-Nov.	1	60	46	40	36	32	Sep.-Nov.	1	62	48	41	37	32
	7	62	48	43	38	34		7	65	50	44	40	36
	30	71	54	48	44	39		30	69	55	52	51	50
	90	87	63	56	52	48		90	121	76	61	53	45

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	46	55	66	75	85	94	108	145	202	285	410	616	1080
May-Nov.	44	51	60	67	73	78	84	101	124	159	215	314	559
Dec.-Feb.	54	64	78	95	119	142	165	227	310	420	576	821	1490
Sep.-Nov.	41	46	54	59	64	68	73	79	87	101	123	171	288

MUSKINGUM RIVER BASIN

03138500 Walhonding River below Mohawk Dam, at Nellie, Ohio

LOCATION: Lat 40° 20' 29", long 81° 03' 56", in T. 6 N., R. 8 W., Coshocton County, Hydrologic Unit 05040003, on right bank at upstream side of bridge on U.S. Highway 36 at Nellie, 0.5 mi upstream from Mohawk Creek, and 1.7 mi downstream from Mohawk Dam.

DRAINAGE AREA: 1,505 mi².

TRIBUTARY TO: Muskingum River.

STREAMFLOW DATA USED: October 1937 to September 1991.

REMARKS: Flow regulated beginning 1936 by 5 flood-control reservoirs at points 1.7 mi to 54 mi upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 575 ft³/s
 Average streamflow: 1,550 ft³/s (54 years)
 Minimum daily streamflow: 19.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	200	110	65	39	19	Dec.-Feb.	1	369	176	108	69	39
	7	225	181	160	150	140		7	423	262	209	176	146
	30	258	207	192	180	165		30	741	396	287	221	165
	90	347	255	226	209	194		90	1790	1020	690	470	290
May-Nov.	1	220	155	125	102	79	Sep.-Nov.	1	223	167	144	120	100
	7	229	184	167	150	135		7	236	187	170	150	140
	30	260	207	192	175	160		30	281	212	192	180	171
	90	353	259	229	212	197		90	485	319	265	231	201

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	187	217	255	290	331	381	440	600	814	1120	1580	2400	4290
May-Nov.	178	204	236	260	283	310	336	408	522	672	901	1310	2310
Dec.-Feb.	191	239	302	376	465	549	641	882	1170	1540	2100	3240	5260
Sep.-Nov.	168	186	207	226	243	258	273	306	351	426	551	740	1230

MUSKINGUM RIVER BASIN

03138790 Killbuck Creek at Burbank, Ohio

LOCATION: Lat 40° 59' 24", long 81° 59' 41", Wayne-Medina County line, Hydrologic Unit 05040003, at bridge on State Route 76 at Burbank.

DRAINAGE AREA: 42.4 mi².

TRIBUTARY TO: Walhonding River.

STREAMFLOW DATA USED: Low-flow measurements, 1975-81 water years.

INDEX STATION: 03139000 Killbuck Creek at Killbuck, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.9 ft³/s September 1978.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.7	0.3	0.2	Dec.-Feb.	1	2.0	.6	.4
	7	.8	.3	.2		7	2.5	.6	.4
	30	1.0	.4	.3		30	6.4	1.1	.7
	90	1.9	.6	.4		90	38	6.4	3.5
May-Nov.	1	0.7	0.3	0.2	Sep.-Nov.	1	0.7	0.3	0.2
	7	.8	.3	.2		7	.8	.3	.3
	30	1.1	.4	.3		30	1.3	.4	.3
	90	2.0	.6	.5		90	3.5	.8	.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.4	0.6	0.9	1.2	1.6
May-Nov.	.3	.5	.7	.8	1.1
Dec.-Feb.	.6	1.0	1.3	1.9	2.5
Sep.-Nov.	.3	.4	.6	.7	.8

MUSKINGUM RIVER BASIN

03138800 Killbuck Creek at Wooster, Ohio

LOCATION: Lat 40° 48' 05", long 81° 58' 30", Wayne County, Hydrologic Unit 05040003, at bridge on Old Mansfield Road, 2.0 mi northwest of Wooster.

DRAINAGE AREA: 128 mi².

TRIBUTARY TO: Walhonding River.

STREAMFLOW DATA USED: Low-flow measurements, 1959 and 1962-78 water years.

INDEX STATION: 03139000 Killbuck Creek at Killbuck, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.5 ft³/s September 1963.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	4.8	2.5	2.1	Dec.-Feb.	1	10	4.2	3.3
	7	5.2	2.7	2.3		7	12	4.6	3.6
	30	6.5	3.3	2.8		30	23	6.6	4.7
	90	9.9	4.3	3.6		90	84	24	15
May-Nov.	1	4.8	2.5	2.1	Sep.-Nov.	1	4.9	2.6	2.3
	7	5.3	2.7	2.3		7	5.4	2.8	2.4
	30	6.6	3.3	2.8		30	7.6	3.4	2.8
	90	10	4.4	3.6		90	15.3	5.6	4.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	3.3	4.3	5.7	7.2	8.8
May-Nov.	2.9	3.7	4.7	5.6	6.6
Dec.-Feb.	4.3	6.1	7.8	9.8	12
Sep.-Nov.	2.6	3.3	4.1	4.7	5.3

MUSKINGUM RIVER BASIN

03138820 Apple Creek at Wooster, Ohio

LOCATION: Lat 40° 48' 13", long 81° 54' 20", Wayne County, Hydrologic Unit 05040003, at bridge on Hillcrest Road, 0.5 mi upstream from Little Apple Creek at Wooster.

DRAINAGE AREA: 33.7 mi².

TRIBUTARY TO: Killbuck Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1959, 1975-77, 1980, and 1981 water years.

INDEX STATION: 03139000 Killbuck Creek at Killbuck, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 4.2 ft³/s September 1977.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	4.4	3.1	2.8	Dec.-Feb.	1	6.8	4.1	3.6
	7	4.6	3.2	3.0		7	7.4	4.3	3.8
	30	5.3	3.6	3.3		30	11	5.3	4.4
	90	6.6	4.2	3.8		90	22	11	8.5
May-Nov.	1	4.5	3.1	2.8	Sep.-Nov.	1	4.5	3.2	3.0
	7	4.7	3.2	2.9		7	4.8	3.3	3.1
	30	5.3	3.6	3.3		30	5.7	3.7	3.3
	90	6.8	4.2	3.8		90	8.5	4.8	4.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	3.6	4.2	4.9	5.6	6.2
May-Nov.	3.4	3.9	4.4	4.9	5.3
Dec.-Feb.	4.2	5.1	5.8	6.6	7.4
Sep.-Nov.	3.1	3.6	4.1	4.4	4.7

MUSKINGUM RIVER BASIN

03138910 Salt Creek at Holmesville, Ohio

LOCATION: Lat 40° 38' 07", long 81° 55' 26", Holmes County, Hydrologic Unit 05040003, at bridge on State Route 83, 0.3 mi north of Holmesville, 0.8 mi upstream from mouth.

DRAINAGE AREA: 42.6 mi².

TRIBUTARY TO: Killbuck Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1980-83 water years.

INDEX STATION: 03139000 Killbuck Creek at Killbuck, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.4 ft³/s August 1982.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.4	0.6	0.5	Dec.-Feb.	1	3.6	1.2	0.9
	7	1.6	.7	.6		7	4.3	1.3	1.0
	30	2.0	.9	.7		30	9.9	2.1	1.4
	90	3.4	1.2	1.0		90	48	10	5.9
May-Nov.	1	1.4	0.6	0.5	Sep.-Nov.	1	1.4	0.7	0.6
	7	1.6	.7	.6		7	1.6	.7	.6
	30	2.1	.9	.7		30	2.5	.9	.7
	90	3.6	1.3	1.0		90	5.9	1.7	1.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.9	1.2	1.7	2.3	3.0
May-Nov.	.8	1.0	1.4	1.7	2.1
Dec.-Feb.	1.2	1.9	2.6	3.4	4.4
Sep.-Nov.	.6	.9	1.2	1.4	1.6

MUSKINGUM RIVER BASIN

03139000 Killbuck Creek at Killbuck, Ohio

LOCATION: Lat 40° 28' 53", long 81° 59' 10", Holmes County, Hydrologic Unit 05040003, on right bank at downstream side of U.S. Highway 62 bridge, south of Killbuck, 1.2 mi downstream from Black Creek. Prior to Oct. 5, 1976, at site 0.9 mi upstream.

DRAINAGE AREA: 464 mi².

TRIBUTARY TO: Walhonding River.

STREAMFLOW DATA USED: October 1930 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 134 ft³/s
 Average streamflow: 427 ft³/s (67 years)
 Minimum daily streamflow: 23.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	50	35	30	26	23	Dec.-Feb.	1	90	56	44	37	30
	7	53	37	31	27	24		7	102	61	48	40	32
	30	63	43	37	33	29		30	174	90	64	49	36
	90	88	56	46	39	33		90	476	255	175	124	82
May-Nov.	1	50	35	30	26	22	Sep.-Nov.	1	51	35	31	27	25
	7	54	37	31	27	24		7	55	38	32	29	26
	30	64	43	37	32	29		30	71	45	37	33	28
	90	90	57	46	40	34		90	124	72	56	46	37

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	37	45	57	68	80	93	108	149	211	298	420	618	1110
May-Nov.	34	41	49	56	64	73	82	102	130	171	234	340	592
Dec.-Feb.	45	60	72	87	103	124	147	209	291	394	537	818	1330
Sep.-Nov.	30	37	44	48	54	59	65	78	92	110	142	206	376

MUSKINGUM RIVER BASIN

03140000 Mill Creek near Coshocton, Ohio

LOCATION: Lat 40° 21' 46", long 81° 51' 45", Coshocton County, Hydrologic Unit 05040003, on left bank 0.5 mi downstream from Little Mill Creek, and 6.0 mi north of Coshocton.

DRAINAGE AREA: 27.2 mi².

TRIBUTARY TO: Walhonding River.

STREAMFLOW DATA USED: November 1936 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 2.14 ft³/s
 Average streamflow: 28.4 ft³/s (60 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 2 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0.4	0.2	0.1	0	0	Dec.-Feb.	1	3.8	1.4	0.7	0.3	0.1
	7	.5	.2	.1	.1	.1		7	5.3	2.0	1.1	.6	.3
	30	1.0	.4	.2	.2	.1		30	11	4.2	2.3	1.3	.7
	90	2.5	1.1	.6	.4	.3		90	40	24	14	7.9	3.3
May-Nov.	1	0.4	0.2	0.1	0	0	Sep.-Nov.	1	0.5	0.2	0.1	0.1	0
	7	.5	.2	.1	.1	.1		7	.7	.3	.2	.1	.1
	30	1.0	.4	.2	.2	.1		30	1.6	.6	.3	.2	.1
	90	2.6	1.1	.7	.4	.3		90	5.8	2.0	1.1	.6	.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.2	0.5	1.1	1.6	2.2	2.8	3.8	6.6	11	17	25	38	65
May-Nov.	.2	.3	.6	1.0	1.3	1.7	2.1	3.1	4.6	7.1	11	18	35
Dec.-Feb.	1.0	1.7	2.8	4.3	5.8	7.3	9.0	14	20	26	35	50	89
Sep.-Nov.	.1	.2	.4	.6	.9	1.1	1.4	1.9	2.6	3.7	6.0	11	22

MUSKINGUM RIVER BASIN

03140500 Muskingum River near Coshocton, Ohio

LOCATION: Lat 40° 14' 54", long 81° 52' 23", in T. 5 N., R. 6 W., Coshocton County, Hydrologic Unit 05040004, on right bank at upstream side of former highway bridge, 1.0 mi southwest of Coshocton, and 2.0 mi downstream from confluence of Tuscarawas and Walhonding Rivers.

DRAINAGE AREA: 4,859 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1937 to September 1997.

REMARKS: Flow regulated by 13 flood-control reservoirs at points 19 mi to 88 mi upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 2,030 ft³/s
 Average streamflow: 5,020 ft³/s (61 years)
 Minimum daily streamflow: 420 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	714	560	499	457	416	Dec.-Feb.	1	1340	836	662	549	447
	7	746	584	523	481	442		7	1480	910	719	597	489
	30	861	657	593	554	522		30	2500	1370	994	764	568
	90	1230	851	720	635	559		90	6010	3470	2450	1780	1200
May-Nov.	1	726	567	504	460	418	Sep.-Nov.	1	738	567	507	467	432
	7	762	591	525	481	439		7	778	594	532	493	460
	30	873	660	592	549	514		30	970	683	590	533	483
	90	1250	861	725	637	557		90	1790	1120	884	732	594

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	588	710	859	1020	1200	1420	1660	2210	2970	4030	5500	7960	13000
May-Nov.	555	648	763	860	964	1090	1230	1540	1940	2480	3240	4530	7510
Dec.-Feb.	688	856	1090	1370	1710	1990	2280	3110	4180	5380	7130	10400	15900
Sep.-Nov.	512	570	668	736	792	849	915	1100	1340	1670	2110	2890	4620

MUSKINGUM RIVER BASIN

03140700 Buffalo Fork at Pleasant City, Ohio

LOCATION: Lat 39° 54' 10", long 81° 33' 15", Guernsey County, Hydrologic Unit 05040005, at bridge on State Route 821 and State Route 146, at Pleasant City.

DRAINAGE AREA: 71.1 mi².

TRIBUTARY TO: Head of Wills Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1959, 1962-67, 1969, 1971-74, 1996, 1998, and 1999 water years.

INDEX STATION: 03149500 Salt Creek near Chandlersville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.2 ft³/s September 1966.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.0	0.1	0	Dec.-Feb.	1	24	3.0	1.3
	7	1.2	.1	0		7	32	4.2	2.0
	30	4.4	1.1	.8		30	117	24	14
	90	20	8.6	6.9		90	390	119	75
May-Nov.	1	1.0	0.1	0	Sep.-Nov.	1	1.2	0.2	0.1
	7	1.2	.1	0		7	1.5	.2	.1
	30	4.4	1.1	.8		30	7.3	1.6	1.1
	90	20	9.2	7.6		90	42	9.3	6.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.8	2.8	5.7	8.6	12
May-Nov.	.4	1.4	3.5	5.3	7.1
Dec.-Feb.	5.3	8.6	15	26	47
Sep.-Nov.	.3	.8	2.2	3.5	4.8

MUSKINGUM RIVER BASIN

03140800 Buffalo Creek at Pleasant City, Ohio

LOCATION: Lat 39° 54' 10", long 81° 33' 00", Guernsey County, Hydrologic Unit 05040005, at bridge on State Route 146, at Pleasant City, just above Buffalo Fork.

DRAINAGE AREA: 49.7 mi².

TRIBUTARY TO: Wills Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1959, 1962-67, 1969, 1971-74, 1996, 1998, and 1999 water years.

INDEX STATION: 03115400 Little Muskingum River at Bloomfield, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s Oct 1963 & Sep 1966.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0	0	0	Dec.-Feb.	1	2.6	0.4	0.2
	7	0	0	0		7	3.3	.5	.3
	30	.2	0	0		30	13	1.5	.7
	90	1.0	.1	.1		90	41	15	9.9
May-Nov.	1	0	0	0	Sep.-Nov.	1	0	0	0
	7	0	0	0		7	.1	0	0
	30	.2	0	0		30	.3	0	0
	90	1.0	.1	.1		90	5.1	.5	.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0	0	0.2	0.4	0.7
May-Nov.	0	0	.1	.1	.2
Dec.-Feb.	.7	1.4	2.0	3.0	4.3
Sep.-Nov.	0	0	0	.1	.1

MUSKINGUM RIVER BASIN

03141500 Seneca Fork below Senecaville Dam, near Senecaville, Ohio

LOCATION: Lat 39° 55' 28", long 81° 26' 17", Guernsey County, Hydrologic Unit 05040005, on left bank 650 ft downstream from Senecaville Dam, and 1.5 mi southeast of Senecaville.

DRAINAGE AREA: 118 mi².

TRIBUTARY TO: Wills Creek.

STREAMFLOW DATA USED: September 1938 to September 1991.

REMARKS: Flow regulated by Senecaville Lake. Water is diverted from Senecaville Lake for U.S. Fish Hatchery.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 5.86 ft³/s
 Average streamflow: 132 ft³/s (53 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 1 year)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0.8	0.2	0.1	0	0	Dec.-Feb.	1	2.0	0.4	0.2	0.1	0
	7	2.5	1.1	.7	.4	.2		7	6.8	2.1	1.2	.8	.5
	30	3.2	1.8	1.5	1.2	1.0		30	47	11	4.6	2.0	.7
	90	8.3	3.2	2.1	1.8	1.3		90	214	96	47	23	8.1
May-Nov.	1	1.7	0.6	0.4	0.2	0.1	Sep.-Nov.	1	2.4	1.0	0.6	0.4	0.2
	7	2.8	1.2	.7	.5	.3		7	3.2	1.5	1.0	.7	.5
	30	3.5	1.9	1.5	1.2	1.0		30	4.3	2.0	1.5	1.2	1.0
	90	9.3	4.0	2.7	2.0	1.5		90	52	18	9.0	4.9	2.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	1.6	2.1	2.6	3.2	3.8	4.5	5.5	15	39	75	136	258	451
May-Nov.	1.6	2.0	2.5	2.9	3.4	3.9	4.5	6.9	16	35	65	123	311
Dec.-Feb.	1.5	2.1	2.9	3.5	4.6	7.4	19	51	94	162	256	397	556
Sep.-Nov.	1.5	1.8	2.1	2.5	2.8	3.1	3.5	4.7	7.1	14	33	108	293

MUSKINGUM RIVER BASIN

03141900 Leatherwood Creek near Cambridge, Ohio

LOCATION: Lat 40° 01' 15", long 81° 32' 55", Guernsey County, Hydrologic Unit 05040005, at bridge on County Road 461, 2.3 mi east of Cambridge, and 3.5 mi upstream from mouth.

DRAINAGE AREA: 88.3 mi².

TRIBUTARY TO: Wills Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1959, 1962-67, and 1969-73 water years.

INDEX STATION: 03149500 Salt Creek near Chandlersville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.4 ft³/s October 1963.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.7	0	0	Dec.-Feb.	1	11	1.8	0.9
	7	.8	.1	0		7	15	2.4	1.3
	30	2.5	.8	.5		30	45	11	7.0
	90	9.5	4.6	3.8		90	129	45	31
May-Nov.	1	0.7	0	0	Sep.-Nov.	1	0.8	0.2	0.1
	7	.8	.1	0		7	1.0	.2	.1
	30	2.5	.8	.5		30	4.0	1.1	.8
	90	9.6	4.9	4.1		90	18	4.9	3.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.6	1.7	3.2	4.6	6.2
May-Nov.	.4	.9	2.1	3.0	3.9
Dec.-Feb.	3.0	4.6	7.5	12	20
Sep.-Nov.	.2	.6	1.4	2.1	2.8

MUSKINGUM RIVER BASIN

03142000 Wills Creek at Cambridge, Ohio

LOCATION: Lat 40° 00' 52", long 81° 35' 14", Guernsey County, Hydrologic Unit 05040005, on left bank at upstream side of bridge on Campbell Avenue in Cambridge, 0.9 mi downstream from Leatherwood Creek.

DRAINAGE AREA: 406 mi².

TRIBUTARY TO: Muskingum River.

STREAMFLOW DATA USED: October 1937 to September 1997.

REMARKS: Flow regulated by Senecaville Lake on Seneca Fork, 22 mi upstream, beginning in 1937. Water is diverted 2.7 mi upstream from station for municipal supply of city of Cambridge.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 42.5 ft³/s
 Average streamflow: 438 ft³/s (60 years)
 Minimum daily streamflow: 0.70 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	7.9	3.5	2.2	1.5	1.0	Dec.-Feb.	1	60	25	14	8.6	4.6
	7	10	4.6	3.1	2.2	1.5		7	77	30	17	10	5.6
	30	17	7.8	5.2	3.7	2.5		30	223	84	46	26	13
	90	41	18	12	8.2	5.5		90	666	360	222	136	71
May-Nov.	1	7.9	3.5	2.2	1.6	1.0	Sep.-Nov.	1	9.1	3.9	2.5	1.8	1.2
	7	10	4.6	3.1	2.2	1.5		7	12	5.0	3.4	2.5	1.8
	30	17	7.8	5.3	3.9	2.7		30	20	8.8	6.0	4.5	3.4
	90	42	18	12	8.7	6.0		90	127	52	30	19	11

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	4.8	9.9	18	26	36	49	64	110	183	296	476	757	1220
May-Nov.	3.7	6.7	12	17	22	27	34	51	78	122	198	355	724
Dec.-Feb.	12	34	54	75	100	132	167	255	379	561	777	1040	1540
Sep.-Nov.	3.1	4.7	7.8	12	15	18	22	31	45	70	123	260	524

MUSKINGUM RIVER BASIN

03143500 Wills Creek below Wills Creek Dam, at Wills Creek, Ohio

LOCATION: Lat 40° 09' 34", long 81° 50' 51", in sec. 22, T. 4 N., R. 6 W., Coshocton County, Hydrologic Unit 05040005, on left bank 1,200 ft downstream from Wills Creek Dam, 1.3 mi southeast of town of Wills Creek, 2.7 mi southeast of Conesville, and 6.2 mi upstream from mouth.

DRAINAGE AREA: 842 mi².

TRIBUTARY TO: Muskingum River.

STREAMFLOW DATA USED: October 1938 to September 1991.

REMARKS: Flow regulated by Senecaville Lake on Seneca Fork, 80 mi upstream, Salt Fork Reservoir, 43 mi upstream, and Wills Creek Lake, 0.2 mi upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 127 ft³/s
 Average streamflow: 935 ft³/s (53 years)
 Minimum daily streamflow: 1.00 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	18	4.8	2.2	1.1	0.5	Dec.-Feb.	1	156	38	14	4.9	1.3
	7	38	17	11	7.1	4.2		7	216	97	62	42	27
	30	48	27	21	17	14		30	487	202	109	62	32
	90	99	50	36	28	22		90	1280	702	459	290	140
May-Nov.	1	32	12	6.1	3.3	1.5	Sep.-Nov.	1	37	14	7.7	4.5	2.4
	7	38	17	11	7.1	4.2		7	39	17	11	7.5	4.9
	30	47	27	21	18	15		30	55	29	22	18	15
	90	101	50	35	26	17		90	221	96	61	39	20

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	22	35	53	75	102	136	178	289	452	689	1010	1540	2650
May-Nov.	18	28	40	51	64	79	97	143	212	308	475	770	1420
Dec.-Feb.	48	90	144	211	271	342	421	596	823	1110	1520	2140	3190
Sep.-Nov.	15	20	29	36	42	48	56	77	107	163	266	460	864

MUSKINGUM RIVER BASIN

03143760 Wakatomika Creek near Perryton, Ohio

LOCATION: Lat 40° 13' 10", long 82° 10' 53", Coshocton County, Hydrologic Unit 05040004, at point in stream 0.15 mi north of east-west section of county road, 0.7 mi upstream from Winding Fork, 5.2 mi north of Perryton.

DRAINAGE AREA: 58.3 mi².

TRIBUTARY TO: Muskingum River.

STREAMFLOW DATA USED: Low-flow measurements, 1981, 1982, and 1995-99 water years.

INDEX STATION: 03144000 Wakatomika Creek near Frazeyburg, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.1 ft³/s June 1999.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	3.3	1.7	1.4	Dec.-Feb.	1	12	4.5	3.2
	7	3.6	1.8	1.5		7	14	5.7	4.4
	30	4.9	2.5	2.1		30	26	8.7	6.2
	90	8.4	3.7	3.0		90	80	28	18
May-Nov.	1	3.4	1.7	1.4	Sep.-Nov.	1	3.6	1.8	1.5
	7	3.6	1.8	1.5		7	4.1	2.0	1.7
	30	4.8	2.5	2.1		30	6.3	2.6	2.1
	90	8.4	3.7	3.0		90	16	5.3	3.7

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	2.6	3.6	4.9	6.3	8.0
May-Nov.	2.2	3.0	3.8	4.8	5.6
Dec.-Feb.	4.7	6.6	9.9	13	16
Sep.-Nov.	1.9	2.6	3.2	3.7	4.2

MUSKINGUM RIVER BASIN

03144000 Wakatomika Creek near Frazeyburg, Ohio

LOCATION: Lat 40° 07' 57", long 82° 08' 53", in NW 1/4 sec. 13, T. 3 N., R. 9 W., Muskingum County, Hydrologic Unit 05040004, on right bank 2.0 mi northwest of Frazeyburg, 2.0 mi downstream from Fivemile Run, and 2.5 mi upstream from Black Run.

DRAINAGE AREA: 140 mi².

TRIBUTARY TO: Muskingum River.

STREAMFLOW DATA USED: October 1936 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 29.3 ft³/s
 Average streamflow: 154 ft³/s (61 years)
 Minimum daily streamflow: 2.60 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	7.4	4.6	3.6	2.9	2.3	Dec.-Feb.	1	29	15	10	7.1	4.6
	7	8.1	5.0	4.0	3.3	2.7		7	34	18	13	9.8	7.0
	30	11	6.8	5.4	4.5	3.7		30	65	31	20	14	9.4
	90	20	11	8.3	6.6	5.1		90	211	110	69	44	24
May-Nov.	1	7.5	4.6	3.6	3.0	2.3	Sep.-Nov.	1	8.0	4.9	3.8	3.2	2.6
	7	8.1	5.1	4.0	3.3	2.6		7	9.3	5.6	4.3	3.6	2.9
	30	11	6.7	5.4	4.5	3.8		30	14	7.8	5.8	4.5	3.5
	90	20	11	8.3	6.7	5.2		90	39	18	12	8.3	5.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	5.7	7.9	11	14	18	23	29	44	64	94	136	203	347
May-Nov.	4.8	6.5	8.6	11	13	15	18	25	34	46	66	101	187
Dec.-Feb.	11	15	23	32	40	48	56	79	106	139	186	269	461
Sep.-Nov.	4.1	5.6	7.1	8.3	9.5	11	13	17	23	30	41	63	112

MUSKINGUM RIVER BASIN

03144450 Opossum Run Tributary near Wakatomika, Ohio

LOCATION: Lat 40° 10' 10", long 82° 03' 52", Coshocton County, Hydrologic Unit 05040004, at bridge on Washington Township Road 71, 0.1 mi upstream from mouth, 1.7 mi southeast of Graham Corners, and 2.1 mi southwest of Wakatomika.

DRAINAGE AREA: 1.27 mi².

TRIBUTARY TO: Opossum Run.

STREAMFLOW DATA USED: Continuous streamflow record September 1978 to September 1982.

INDEX STATION: 03144000 Wakatomika Creek near Frazeyburg, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s Aug & Sep 1982.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.1	0	0	Dec.-Feb.	1	0.2	0.1	0.1
	7	.1	0	0		7	.3	.1	.1
	30	.1	0	0		30	.5	.2	.1
	90	.2	.1	.1		90	1.4	.5	.4
May-Nov.	1	0.1	0	0	Sep.-Nov.	1	0.1	0	0
	7	.1	0	0		7	.1	0	0
	30	.1	0	0		30	.1	.1	0
	90	.2	.1	.1		90	.3	.1	.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.1	0.1	0.1	0.1	0.2
May-Nov.	0	.1	.1	.1	.1
Dec.-Feb.	.1	.1	.2	.3	.3
Sep.-Nov.	0	0	.1	.1	.1

MUSKINGUM RIVER BASIN

03144500 Muskingum River at Dresden, Ohio

LOCATION: Lat 40° 07' 13", long 81° 59' 59", Muskingum County, Hydrologic Unit 05040004, on left bank 70 ft downstream from bridge on State Route 208, 0.5 mi east of Dresden, and 0.5 mi downstream from Wakatomika Creek.

DRAINAGE AREA: 5,993 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1952 to September 1984.

REMARKS: Flow regulated by 16 flood-control reservoirs at points 15 mi to 105 mi upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 2,500 ft³/s
 Average streamflow: 6,470 ft³/s (32 years)
 Minimum daily streamflow: 460 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	899	651	550	479	410	Dec.-Feb.	1	1810	1070	812	649	505
	7	950	683	576	501	429		7	2060	1190	892	703	538
	30	1110	762	637	554	478		30	3280	1670	1150	834	574
	90	1550	998	806	681	569		90	7330	4100	2770	1910	1190
May-Nov.	1	907	651	548	477	408	Sep.-Nov.	1	924	645	548	485	429
	7	961	682	573	498	426		7	978	679	580	517	462
	30	1130	765	635	550	472		30	1220	789	648	559	481
	90	1590	1010	805	676	560		90	2280	1360	1050	850	674

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	652	821	1030	1230	1480	1760	2090	2820	3810	5210	7310	10700	16900
May-Nov.	618	737	895	1030	1170	1330	1520	1940	2470	3200	4180	6050	10300
Dec.-Feb.	749	1030	1340	1730	2180	2550	2920	3970	5400	6980	9190	12800	18800
Sep.-Nov.	559	630	742	845	924	1010	1120	1370	1690	2140	2840	3840	6050

MUSKINGUM RIVER BASIN

03144830 South Fork Licking River near Millersport, Ohio

LOCATION: Lat 39° 56' 17", long 82° 32' 13", Licking County, Hydrologic Unit 05040006, at bridge on State Route 37, 0.3 mi south of Interstate 70, 2.5 mi north of Millersport.

DRAINAGE AREA: 62.9 mi².

TRIBUTARY TO: Head of Licking River.

STREAMFLOW DATA USED: Low-flow measurements, 1980-83 water years.

INDEX STATION: 03146500 Licking River at Newark, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 2.6 ft³/s August 1983.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	2.2	1.2	1.1	Dec.-Feb.	1	5.8	1.8	1.3
	7	2.4	1.4	1.2		7	7.3	2.1	1.5
	30	3.0	1.6	1.4		30	21	3.4	1.9
	90	5.2	2.1	1.7		90	124	22	9.0
May-Nov.	1	2.2	1.2	1.1	Sep.-Nov.	1	2.3	1.3	1.0
	7	2.5	1.4	1.2		7	2.5	1.4	1.2
	30	3.0	1.6	1.3		30	3.4	1.6	1.4
	90	5.4	2.1	1.7		90	13	2.9	1.9

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.6	2.0	2.7	3.6	4.6
May-Nov.	1.5	1.8	2.3	2.8	3.4
Dec.-Feb.	1.6	2.3	3.6	5.8	8.2
Sep.-Nov.	1.3	1.5	1.8	2.1	2.4

MUSKINGUM RIVER BASIN

03145000 South Fork Licking River near Hebron, Ohio

LOCATION: Lat 39° 59' 19", long 82° 28' 30", in NW 1/4 sec. 3, T. 1 N., R. 12 W., Licking County, Hydrologic Unit 05040006, on right bank at upstream side of bridge on county road, 800 ft downstream from Beaver Run, 2.3 mi north of Hebron, and 2.5 mi upstream from Ramp Creek.

DRAINAGE AREA: 133 mi².

TRIBUTARY TO: Head of Licking River.

STREAMFLOW DATA USED: October 1939 to September 1948, July 1968 to September 1997.

REMARKS: Occasional regulation by Buckeye Lake, capacity, 27,300 acre-ft, on unnamed tributary 5.6 mi upstream from station. Occasional diversion from Buckeye Lake into Jonathan Creek, which bypasses station.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 19.9 ft³/s
 Average streamflow: 160 ft³/s (37 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 1 year)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	5.2	2.4	1.4	0.7	0	Dec.-Feb.	1	20	9.4	6.0	4.0	2.4
	7	6.5	3.3	2.2	1.5	.9		7	23	11	6.7	4.4	2.6
	30	9.2	5.0	3.6	2.7	1.9		30	64	27	16	10	6.1
	90	22	11	7.3	5.3	3.7		90	228	127	83	54	31
May-Nov.	1	5.2	2.4	1.4	0.7	0	Sep.-Nov.	1	6.1	2.9	1.9	1.3	0.8
	7	6.5	3.3	2.1	1.5	.9		7	7.7	4.0	2.8	2.0	1.4
	30	9.2	4.9	3.6	2.7	2.0		30	13	6.9	5.1	4.1	3.3
	90	23	11	7.6	5.6	3.9		90	76	34	21	14	8.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	3.4	5.5	8.4	12	15	18	22	33	49	79	136	243	444
May-Nov.	2.7	4.2	6.2	8.0	9.9	12	14	19	26	38	61	125	305
Dec.-Feb.	7.0	12	18	22	29	37	45	67	103	156	230	351	569
Sep.-Nov.	2.8	3.9	5.5	6.7	7.8	9.1	11	15	20	30	53	128	280

MUSKINGUM RIVER BASIN

03145500 Raccoon Creek at Granville, Ohio

LOCATION: Lat 40° 03' 50", long 82° 31' 35", Licking County, Hydrologic Unit 05040006, at bridge on State Route 16, at southwest edge of Granville, and at mouth of Salt Run.

DRAINAGE AREA: 83.0 mi².

TRIBUTARY TO: South Fork Licking River.

STREAMFLOW DATA USED: Continuous streamflow record October 1939 to June 1948.

INDEX STATION: 03146500 Licking River at Newark, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.7 ft³/s October 1939.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	3.4	2.1	1.9	Dec.-Feb.	1	8.0	2.9	2.2
	7	3.7	2.3	2.0		7	9.6	3.4	2.5
	30	4.5	2.6	2.3		30	24	5.0	3.1
	90	7.2	3.3	2.7		90	109	25	11
May-Nov.	1	3.5	2.1	1.9	Sep.-Nov.	1	3.5	2.1	1.8
	7	3.8	2.3	2.0		7	3.8	2.3	2.1
	30	4.5	2.6	2.2		30	5.0	2.6	2.3
	90	7.4	3.3	2.7		90	15	4.3	3.0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	2.6	3.2	4.2	5.2	6.4
May-Nov.	2.4	3.0	3.6	4.2	4.9
Dec.-Feb.	2.6	3.6	5.2	7.9	11
Sep.-Nov.	2.2	2.5	2.9	3.3	3.6

MUSKINGUM RIVER BASIN

03146000 North Fork Licking River at Utica, Ohio

LOCATION: Lat 40° 13' 41", long 82° 27' 06", in T. 4 N., R. 12 W., Licking County, Hydrologic Unit 05040006, on left bank at upstream side of bridge on State Route 13 at south edge of Utica, 0.2 mi downstream from unnamed right bank tributary, and 0.2 mi upstream from Lake Fork.

DRAINAGE AREA: 116 mi².

TRIBUTARY TO: South Fork Licking River.

STREAMFLOW DATA USED: October 1939 to October 1982.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 15.8 ft³/s
 Average streamflow: 138 ft³/s (22 years)
 Minimum daily streamflow: 0.70 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	4.0	2.3	1.6	1.2	0.8	Dec.-Feb.	1	16	7.7	5.0	3.5	2.3
	7	4.5	2.8	2.1	1.7	1.3		7	19	9.2	6.1	4.2	2.8
	30	6.3	3.9	3.2	2.7	2.4		30	60	20	10	5.7	2.8
	90	15	7.6	5.1	3.6	2.4		90	191	105	70	47	28
May-Nov.	1	4.0	2.3	1.6	1.2	0.8	Sep.-Nov.	1	4.5	2.4	1.8	1.4	1.0
	7	4.5	2.8	2.1	1.7	1.3		7	5.1	2.9	2.3	1.9	1.6
	30	6.2	3.9	3.2	2.8	2.4		30	8.6	4.3	3.3	2.7	2.2
	90	16	8.1	5.5	3.9	2.6		90	38	13	7.4	4.4	2.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	3.0	4.3	5.9	7.9	10	14	18	29	44	65	97	154	322
May-Nov.	2.6	3.6	4.8	6.0	7.2	8.7	10	16	22	33	49	80	165
Dec.-Feb.	4.7	6.4	11	16	22	29	36	52	72	100	137	221	450
Sep.-Nov.	2.3	3.0	3.9	4.8	5.8	6.8	7.9	11	15	21	34	57	112

MUSKINGUM RIVER BASIN

03146250 North Fork Licking River above Newark, Ohio

LOCATION: Lat 40° 06' 19", long 82° 25' 02", Licking County, Hydrologic Unit 05040006, at American Aggregates Plant, 1.3 mi downstream from Dry Creek, and 1.5 mi upstream from Newark Water Plant.

DRAINAGE AREA: 224 mi².

TRIBUTARY TO: Licking River.

STREAMFLOW DATA USED: Low-flow measurements, 1944, 1964, and 1972-77 water years.

INDEX STATION: 03146500 Licking River at Newark, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 19 ft³/s October 1963.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	24	17	16	Dec.-Feb.	1	42	22	18
	7	25	18	17		7	47	24	19
	30	28	20	18		30	86	31	22
	90	39	23	21		90	231	87	53
May-Nov.	1	24	17	16	Sep.-Nov.	1	24	18	16
	7	26	18	17		7	26	19	17
	30	28	20	18		30	31	20	18
	90	40	23	21		90	64	28	22

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	20	23	27	31	36
May-Nov.	19	22	25	28	30
Dec.-Feb.	20	24	31	41	50
Sep.-Nov.	18	19	21	23	25

MUSKINGUM RIVER BASIN

03146500 Licking River at Newark, Ohio

LOCATION: Lat 40° 03' 33", long 82° 20' 23", in T. 2 N., R. 11 W., Licking County, Hydrologic Unit 05040006, on right bank at downstream side of Stadden Bridge, 1.0 mi downstream from Shawnee Run, 1.5 mi upstream from Equality Run, and 3.5 mi east of Newark.

DRAINAGE AREA: 537 mi².

TRIBUTARY TO: Muskingum River.

STREAMFLOW DATA USED: October 1939 to September 1997.

REMARKS: Occasional regulation by Buckeye Lake, capacity, 27,300 acre-ft, on South Fork 15.2 mi upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 168 ft³/s
 Average streamflow: 621 ft³/s (58 years)
 Minimum daily streamflow: 28.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	59	45	40	37	34	Dec.-Feb.	1	113	68	52	42	33
	7	63	48	43	39	36		7	131	77	58	46	36
	30	72	53	47	43	39		30	267	122	79	54	35
	90	105	69	57	49	43		90	853	435	270	150	64
May-Nov.	1	60	46	40	37	34	Sep.-Nov.	1	60	46	41	36	29
	7	64	49	43	40	36		7	64	49	44	40	33
	30	72	54	48	42	37		30	79	55	47	43	39
	90	107	70	57	49	43		90	189	99	70	53	39

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	47	56	68	81	96	114	135	185	257	369	542	818	1470
May-Nov.	45	53	61	70	78	87	98	124	157	205	280	428	815
Dec.-Feb.	48	61	81	112	142	172	210	302	430	576	796	1170	1980
Sep.-Nov.	41	46	52	57	62	67	72	85	103	134	186	282	545

MUSKINGUM RIVER BASIN

03147500 Licking River below Dillon Dam, near Dillon Falls, Ohio

LOCATION: Lat 39° 59' 18", long 82° 04' 50", in T. 1 N., R. 8 W., Muskingum County, Hydrologic Unit 05040006, on left bank 500 ft downstream from Dillon Dam, 2.0 mi northwest of Dillon Falls, and 5.8 mi upstream from mouth.

DRAINAGE AREA: 742 mi².

TRIBUTARY TO: Muskingum River.

STREAMFLOW DATA USED: October 1960 to September 1991.

REMARKS: Flow regulated by Dillon Lake since December 1960.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 241 ft³/s
 Average streamflow: 889 ft³/s (31 years)
 Minimum daily streamflow: 19.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	71	58	52	48	44	Dec.-Feb.	1	139	80	57	42	29
	7	84	67	62	58	54		7	234	118	78	54	34
	30	113	81	70	62	56		30	431	219	150	109	75
	90	170	109	88	74	62		90	1180	670	441	291	169
May-Nov.	1	77	62	55	50	46	Sep.-Nov.	1	83	66	61	59	57
	7	88	68	61	56	52		7	97	72	65	60	58
	30	112	81	70	64	58		30	144	91	74	63	60
	90	173	109	87	74	61		90	352	198	144	111	81

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	70	82	98	115	137	169	206	285	396	561	801	1330	2700
May-Nov.	66	76	89	100	110	123	141	185	247	323	454	694	1390
Dec.-Feb.	77	106	160	217	258	306	360	490	639	833	1210	1880	3230
Sep.-Nov.	62	72	82	91	98	105	113	135	191	260	368	559	928

MUSKINGUM RIVER BASIN

03148300 Moxahala Creek at Roseville, Ohio

LOCATION: Lat 39° 48' 40", long 82° 04' 10", Muskingum County, Hydrologic Unit 05040004, at pumping station about 2,500 ft downstream from First Street Bridge in Roseville.

DRAINAGE AREA: 80.6 mi².

TRIBUTARY TO: Muskingum River.

STREAMFLOW DATA USED: Low-flow measurements, 1961-71 water years.

INDEX STATION: 03202000 Raccoon Creek at Adamsville, Ohio.

REMARKS: Flood flow controlled by levee on left bank.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 3.3 ft³/s August 1962.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	7.8	3.2	2.5	Dec.-Feb.	1	27	9.9	6.9
	7	8.5	3.7	2.8		7	30	12	8.3
	30	11	4.7	3.6		30	57	19	11
	90	17	7.1	5.5		90	98	58	41
May-Nov.	1	7.8	3.2	2.5	Sep.-Nov.	1	8.0	3.2	2.4
	7	8.5	3.7	2.8		7	8.8	3.6	2.8
	30	11	4.7	3.6		30	12	4.6	3.5
	90	17	7.2	5.6		90	26	9.3	6.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	5.1	7.4	11	14	17
May-Nov.	4.3	5.8	8.5	11	13
Dec.-Feb.	9.0	16	24	30	36
Sep.-Nov.	3.2	4.3	5.5	6.9	8.5

MUSKINGUM RIVER BASIN

03148400 Moxahala Creek at Roberts, Ohio

LOCATION: Lat 39° 51' 20", long 82° 03' 25", Muskingum County, Hydrologic Unit 05040004, at bridge on county road, 0.5 mi east of former location of Roberts, 2.5 mi southeast of White Cottage, 2.6 mi southeast of present (1965) Roberts, and 2.1 mi upstream from Jonathan Creek.

DRAINAGE AREA: 98.1 mi².

TRIBUTARY TO: Muskingum River.

STREAMFLOW DATA USED: Low-flow measurements, 1959 and 1962-71 water years.

INDEX STATION: 03202000 Raccoon Creek at Adamsville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 3.9 ft³/s August 1962.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	6.4	2.8	2.2	Dec.-Feb.	1	21	8.1	5.7
	7	7.0	3.1	2.4		7	23	9.8	6.8
	30	8.9	4.0	3.1		30	42	15	9.0
	90	13	5.9	4.6		90	69	43	31
May-Nov.	1	6.4	2.8	2.2	Sep.-Nov.	1	6.6	2.8	2.1
	7	7.0	3.1	2.4		7	7.2	3.1	2.4
	30	8.9	4.0	3.1		30	9.6	3.9	3.0
	90	13	6.0	4.7		90	20	7.6	5.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	4.3	6.1	8.8	11	14
May-Nov.	3.6	4.8	7.0	8.5	10
Dec.-Feb.	7.3	13	18	23	27
Sep.-Nov.	2.8	3.7	4.6	5.7	7.0

MUSKINGUM RIVER BASIN

03148450 Jonathan Creek at East Fultonham, Ohio

LOCATION: Lat 39° 51' 20", long 82° 07' 35", Muskingum County, Hydrologic Unit 05040004, at old U.S. Highway 22 bridge in East Fultonham, 1.0 mi upstream from Buckeye Fork.

DRAINAGE AREA: 125 mi².

TRIBUTARY TO: Moxahala Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1942, 1959, 1965, and 1972-77 water years.

INDEX STATION: 03146500 Licking River near Newark, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 3.2 ft³/s August 1972.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	4.7	2.8	2.4	Dec.-Feb.	1	12	4.0	2.9
	7	5.2	3.0	2.7		7	15	4.6	3.3
	30	6.3	3.4	3.0		30	41	7.2	4.2
	90	11	4.5	3.7		90	212	41	18
May-Nov.	1	4.8	2.8	2.4	Sep.-Nov.	1	4.9	2.8	2.3
	7	5.3	3.0	2.7		7	5.4	3.1	2.7
	30	6.3	3.5	2.9		30	7.2	3.5	3.0
	90	11	4.5	3.7		90	25	6.1	4.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	3.4	4.4	5.8	7.4	9.4
May-Nov.	3.2	4.0	5.0	6.0	7.0
Dec.-Feb.	3.5	4.9	7.4	12	16
Sep.-Nov.	2.8	3.3	3.9	4.5	5.1

MUSKINGUM RIVER BASIN

03148600 Moxahala Creek near Zanesville, Ohio

LOCATION: Lat 39° 53' 45", long 82° 00' 20", Muskingum County, Hydrologic Unit 05040004, at Moxahala Street Bridge, 1.0 mi east of South Zanesville, and 0.5 mi upstream from mouth.

DRAINAGE AREA: 300 mi².

TRIBUTARY TO: Muskingum River.

STREAMFLOW DATA USED: Low-flow measurements, 1959 and 1962-73 water years.

INDEX STATION: 03202000 Raccoon Creek at Adamsville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 8.3 ft³/s August 1972.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	15	7.4	6.0	Dec.-Feb.	1	41	18	14
	7	16	8.2	6.6		7	45	22	16
	30	20	10	8.2		30	75	31	20
	90	28	14	11		90	116	76	58
May-Nov.	1	15	7.4	6.0	Sep.-Nov.	1	15	7.4	5.9
	7	16	8.2	6.6		7	17	8.1	6.6
	30	20	10	8.2		30	21	9.9	8.0
	90	28	14	12		90	40	17	13

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	11	15	20	24	29
May-Nov.	9.3	12	16	19	22
Dec.-Feb.	17	27	37	45	52
Sep.-Nov.	7.4	9.4	11	14	16

MUSKINGUM RIVER BASIN

03149500 Salt Creek near Chandlersville, Ohio

LOCATION: Lat 39° 54' 31", long 81° 51' 36", in SW 1/4 sec. 10, T. 13 N., R. 12 W., Muskingum County, Hydrologic Unit 05040004, just upstream from highway bridge, 1.0 mi upstream from Buffalo Fork, and 2.0 mi northwest of Chandlersville.

DRAINAGE AREA: 75.7 mi².

TRIBUTARY TO: Muskingum River.

STREAMFLOW DATA USED: October 1935 to September 1947.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 4.81 ft³/s
 Average streamflow: 89.2 ft³/s (12 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 2 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0.6	0.1	0	0	0	Dec.-Feb.	1	9.8	3.3	1.6	0.8	0.3
	7	.7	.2	.1	0	0		7	13	4.3	2.1	1.1	.5
	30	2.2	1.0	.7	.5	.3		30	39	17	10	6.1	3.3
	90	8.3	5.1	4.0	3.3	2.7		90	113	60	40	27	16
May-Nov.	1	0.6	0.1	0	0	0	Sep.-Nov.	1	0.7	0.2	0.1	0.1	0
	7	.7	.2	.1	0	0		7	.9	.3	.2	.1	0
	30	2.2	1.0	.7	.5	.3		30	3.5	1.4	.9	.6	.4
	90	8.3	5.3	4.2	3.6	3.0		90	16	6.6	4.3	3.1	2.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.5	1.5	2.8	4.0	5.4	7.1	9.7	19	30	44	66	104	199
May-Nov.	.3	.8	1.8	2.6	3.4	4.3	5.3	8.1	13	21	32	51	103
Dec.-Feb.	2.6	4.0	6.5	10	18	23	28	39	52	70	97	153	262
Sep.-Nov.	.2	.5	1.2	1.8	2.4	3.0	3.6	4.9	6.5	9.6	16	28	62

MUSKINGUM RIVER BASIN

03150000 Muskingum River at McConnellsville, Ohio

LOCATION: Lat 39° 38' 42", long 81° 51' 00", in SE 1/4 sec. 11, T. 10 N., R. 12 W., Morgan County, Hydrologic Unit 05040004, on left bank just upstream from Dam 7, at McConnellsville, and 3.5 mi downstream from Oilspring Run.

DRAINAGE AREA: 7,422 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1937 to October 1992.

REMARKS: Flow regulated by 17 flood-control reservoirs 36.6 mi to 148 mi upstream from station. Some regulation at low flow by power plant 19 mi upstream from station.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 2,930 ft³/s
 Average streamflow: 7,780 ft³/s (55 years)
 Minimum daily streamflow: 385 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	938	657	551	479	412	Dec.-Feb.	1	2090	1240	939	748	579
	7	1020	749	651	586	527		7	2340	1370	1050	845	665
	30	1210	863	750	679	617		30	4080	2110	1470	1080	755
	90	1700	1140	959	843	743		90	9310	5250	3640	2600	1700
May-Nov.	1	952	665	556	482	412	Sep.-Nov.	1	980	677	572	504	443
	7	1040	757	655	587	524		7	1060	769	677	621	573
	30	1230	867	751	679	617		30	1360	910	767	679	602
	90	1740	1160	963	841	734		90	2520	1500	1160	942	750

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	777	968	1200	1440	1740	2080	2460	3350	4550	6270	8750	13000	20500
May-Nov.	723	865	1040	1200	1360	1550	1760	2250	2890	3740	4960	7110	11700
Dec.-Feb.	972	1230	1660	2170	2630	3100	3570	4860	6680	8790	12000	17000	24100
Sep.-Nov.	647	742	890	990	1080	1170	1280	1520	1840	2310	3040	4310	6940

MUSKINGUM RIVER BASIN

03150250 Meigs Creek near Beverly, Ohio

LOCATION: Lat 39° 36' 00", long 81° 42' 42", Morgan County, Hydrologic Unit 05040004, on right bank 400 ft downstream from county road bridge at Mill Grove, 0.4 mi downstream from Perry Run, 0.5 mi upstream from Onion Run, 2.2 mi upstream from mouth, and 5.3 mi northwest of Beverly.

DRAINAGE AREA: 136 mi².

TRIBUTARY TO: Muskingum River.

STREAMFLOW DATA USED: Low-flow measurements, 1972-74 water years.

INDEX STATION: 03115400 Little Muskingum River at Bloomfield, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 4.5 ft³/s September 1972.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	3.0	0.8	0.3	Dec.-Feb.	1	41	14	9.6
	7	3.7	1.0	.7		7	47	15	11
	30	8.2	2.2	1.5		30	108	30	19
	90	24	6.2	4.2		90	213	115	91
May-Nov.	1	3.0	0.8	0.3	Sep.-Nov.	1	3.6	0.8	0.4
	7	3.7	1.0	.7		7	5.3	1.1	.7
	30	8.1	2.1	1.5		30	12	2.4	1.5
	90	24	6.2	4.2		90	62	15	8.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.8	4.1	8.4	13	19
May-Nov.	1.6	2.5	4.7	7.2	10
Dec.-Feb.	19	28	35	44	55
Sep.-Nov.	1.1	1.8	2.8	4.2	5.9

MUSKINGUM RIVER BASIN

03150480 West Branch Wolf Creek near Waterford, Ohio

LOCATION: Lat 39° 31' 43", long 81° 39' 22", Washington County, Hydrologic Unit 05040004, 400 ft upstream from South Branch adjacent to State Route 76, and 1.2 mi southwest of Waterford.

DRAINAGE AREA: 144 mi².

TRIBUTARY TO: Muskingum River.

STREAMFLOW DATA USED: Low-flow measurements, 1959 and 1972-77 water years.

INDEX STATION: 03159500 Hocking River at Athens, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.3 ft³/s September 1957.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.0	0.2	0.1	Dec.-Feb.	1	6.9	1.0	0.6
	7	1.2	.4	.3		7	10	1.4	.8
	30	1.8	.6	.4		30	46	4.1	1.9
	90	4.2	1.0	.7		90	410	49	21
May-Nov.	1	1.0	0.2	0.1	Sep.-Nov.	1	1.1	0.2	0.2
	7	1.2	.4	.3		7	1.3	.4	.3
	30	1.8	.6	.4		30	2.0	.6	.4
	90	4.7	1.0	.7		90	11	1.3	.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.6	1.0	1.6	2.3	3.4
May-Nov.	.5	.8	1.2	1.6	2.0
Dec.-Feb.	1.0	2.0	4.6	9.3	15
Sep.-Nov.	.4	.6	.8	1.1	1.3

MUSKINGUM RIVER BASIN

03150490 South Branch Wolf Creek near Waterford, Ohio

LOCATION: Lat 39° 31' 28", long 81° 39' 31", Washington County, Hydrologic Unit 05040004, at State Route 76 bridge, 4,000 ft upstream from mouth, 1.5 mi southwest of Waterford.

DRAINAGE AREA: 79.3 mi².

TRIBUTARY TO: Wolf Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1972-77 water years.

INDEX STATION: 03115400 Little Muskingum River at Bloomfield, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.7 ft³/s August 1973.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.3	0	0	Dec.-Feb.	1	7.5	1.8	1.2
	7	.4	.1	0		7	9.0	2.1	1.4
	30	1.0	.2	.1		30	26	4.9	2.8
	90	3.7	.7	.4		90	62	28	21
May-Nov.	1	0.3	0	0	Sep.-Nov.	1	0.3	0	0
	7	.4	.1	0		7	.6	.1	0
	30	.9	.2	.1		30	1.6	.2	.1
	90	3.7	.7	.4		90	13	2.1	1.0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.1	0.4	1.0	1.8	2.8
May-Nov.	.1	.2	.5	.8	1.2
Dec.-Feb.	2.9	4.6	6.1	8.3	11
Sep.-Nov.	.1	.1	.2	.4	.6

LITTLE HOCKING RIVER BASIN

03155800 Little Hocking River near Little Hocking, Ohio

LOCATION: Lat 39° 17' 38", long 81° 41' 17", Washington County, Hydrologic Unit 05030202, at bridge on county road, 3.2 mi upstream from mouth, and 2.2 mi north-northeast of Little Hocking.

DRAINAGE AREA: 47.9 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1959-69 and 1971-74 water years.

INDEX STATION: 03159500 Hocking River at Athens, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s Sep 1959, Oct 1963.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.1	0	0	Dec.-Feb.	1	0.6	.1	.1
	7	.1	0	0		7	.8	.2	.1
	30	.2	.1	.1		30	2.8	.4	.2
	90	.4	.1	.1		90	17	3.0	1.5
May-Nov.	1	0.1	0	0	Sep.-Nov.	1	0.1	0	0
	7	.1	.1	0		7	.1	0	0
	30	.2	.1	.1		30	.2	.1	.1
	90	.4	.1	.1		90	.9	.2	.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.1	0.1	0.2	0.2	0.3
May-Nov.	.1	.1	.1	.2	.2
Dec.-Feb.	.1	.2	.4	.7	1.1
Sep.-Nov.	0	.1	.1	.1	.1

HOCKING RIVER BASIN

03155895 Hocking River at Union Street at Lancaster, Ohio

LOCATION: Lat 39° 43' 04", long 82° 36' 35", Fairfield County, Hydrologic Unit 05020304, at footbridge at east end of Union Steet, 0.2 mi downstream from bridge on 6th Avenue in Lancaster, 0.8 mi upstream from Hunters Run.

DRAINAGE AREA: 36.2 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1978-82 water years.

INDEX STATION: 03157500 Hocking River at Enterprise, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 5.3 ft³/s September 1978.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	3.6	2.3	2.1	Dec.-Feb.	1	7.2	3.6	2.9
	7	3.9	2.5	2.2		7	8.2	3.9	3.2
	30	4.7	2.9	2.6		30	15	5.9	4.5
	90	6.3	3.6	3.2		90	36	15	11
May-Nov.	1	3.6	2.3	2.1	Sep.-Nov.	1	3.8	2.4	2.2
	7	3.9	2.5	2.2		7	4.1	2.6	2.3
	30	4.7	2.9	2.6		30	5.1	3.0	2.7
	90	6.7	3.6	3.2		90	9.2	4.2	3.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	2.9	3.6	4.3	5.0	5.8
May-Nov.	2.7	3.2	3.8	4.3	4.8
Dec.-Feb.	3.8	4.7	6.2	7.9	9.4
Sep.-Nov.	2.5	2.9	3.3	3.7	4.0

HOCKING RIVER BASIN

03156000 Hunters Run at Lancaster, Ohio

LOCATION: Lat 39° 41' 57", long 82° 37' 18", in NE 1/4 sec. 11, T. 14 N., R. 19 W., Fairfield County, Hydrologic Unit 05030204, on right bank at downstream side of bridge on U.S. Highway 22, 1.0 mi southwest of Lancaster, and 1.5 mi upstream from mouth.

DRAINAGE AREA: 10.0 mi².

TRIBUTARY TO: Hocking River.

STREAMFLOW DATA USED: January 1956 to June 1980.

REMARKS: Flood peaks affected by temporary retention in four retarding basins upstream from station, combined capacity, 2,800 acre-ft. Controlled drainage area is 8.49 mi².

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 2.99 ft³/s
 Average streamflow: 10.5 ft³/s (23 years)
 Minimum daily streamflow: 0.08 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	1.0	0.5	0.3	0.2	0.1	Dec.-Feb.	1	2.4	1.3	0.9	0.6	0.4
	7	1.0	.6	.4	.4	.3		7	3.1	1.6	1.1	.8	.6
	30	1.4	.9	.8	.7	.6		30	5.7	2.7	1.7	1.1	.7
	90	2.0	1.2	1.0	.8	.7		90	13	7.0	4.8	3.4	2.2
May-Nov.	1	1.0	0.5	0.3	0.2	0.1	Sep.-Nov.	1	1.0	0.6	0.4	0.3	0.2
	7	1.0	.6	.4	.4	.3		7	1.2	.7	.6	.4	.4
	30	1.5	1.0	.8	.7	.6		30	1.7	1.1	.9	.7	.6
	90	2.2	1.3	1.0	.8	.7		90	3.2	1.7	1.2	.9	.7

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.7	1.0	1.3	1.6	1.9	2.3	2.6	3.6	4.9	6.6	9.0	13	20
May-Nov.	.7	.9	1.1	1.3	1.5	1.7	1.9	2.4	3.0	3.9	5.1	7.2	12
Dec.-Feb.	.8	1.2	1.9	2.6	3.2	3.7	4.3	5.7	7.3	9.4	12	16	26
Sep.-Nov.	.6	.8	1.0	1.1	1.2	1.3	1.5	1.8	2.1	2.6	3.6	4.8	7.7

HOCKING RIVER BASIN

03156400 Hocking River at Lancaster, Ohio

LOCATION: Lat 39° 42' 24", long 82° 36' 03", in NE 1/4 sec. 12, T. 14 N., R. 19 W., Fairfield County, Hydrologic Unit 05030204, on right bank 25 ft upstream from Columbus Street bridge in Lancaster, and 0.5 mi downstream from Hunters Run.

DRAINAGE AREA: 48.2 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: June 1956 to November 1974.

REMARKS: Some diurnal fluctuation caused by industrial plants upstream from station. Water supply for the city of Lancaster is pumped from wells adjacent to the Hocking River 1.1 mi upstream from station. The pumpage averaged 8.5 ft³/s in 1974 and is returned as sewage 0.8 mi downstream from station. Flood flow affected by temporary retention in eight retarding basins, combined capacity 8,710 acre-ft upstream from station. Controlled drainage area is 24.4 mi².

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 13.8 ft³/s
 Average streamflow: 40.9 ft³/s (18 years)
 Minimum daily streamflow: 1.40 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	4.0	2.4	1.8	1.5	1.1	Dec.-Feb.	1	10	5.3	3.5	2.3	1.4
	7	5.1	3.1	2.4	1.9	1.5		7	13	7.9	5.6	4.1	2.8
	30	6.6	4.3	3.5	3.0	2.5		30	23	13	8.8	6.2	4.1
	90	8.9	6.0	4.9	4.2	3.5		90	51	31	22	16	10
May-Nov.	1	4.1	2.5	1.9	1.6	1.2	Sep.-Nov.	1	4.8	2.9	2.1	1.7	1.2
	7	5.1	3.1	2.5	2.0	1.6		7	5.6	3.4	2.6	2.1	1.6
	30	6.7	4.4	3.5	3.0	2.4		30	8.1	4.9	3.8	3.1	2.4
	90	9.0	6.0	5.0	4.3	3.7		90	13	7.4	5.7	4.6	3.7

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	3.4	4.7	6.2	7.5	8.8	10	12	16	21	26	35	50	83
May-Nov.	3.1	4.1	5.2	6.1	7.0	7.8	8.6	11	14	17	21	28	48
Dec.-Feb.	4.9	6.9	10	13	15	16	18	24	29	36	46	60	99
Sep.-Nov.	2.5	3.2	4.3	5.0	5.6	6.2	6.8	8.1	9.9	12	15	20	30

HOCKING RIVER BASIN

03156549 Center Branch Rush Creek near Junction City, Ohio

LOCATION:

Lat 39° 43' 24", long 82° 20' 36", Perry County, Hydrologic Unit 05030204, at bridge on State Route 37, 2.3 mi west of Junction City.

DRAINAGE AREA:

24.9 mi².

TRIBUTARY TO:

Hocking River.

STREAMFLOW DATA USED:

Low-flow measurements, 1979-82 water years.

INDEX STATION:

03157500 Hocking River at Enterprise, Ohio.

REMARKS:

None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.8 ft³/s October 1981.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.5	0.2	0.2	Dec.-Feb.	1	1.6	0.4	0.3
	7	.5	.2	.2		7	2.0	.5	.4
	30	.7	.3	.3		30	5.8	1.1	.7
	90	1.3	.5	.4		90	29	6.2	3.6
May-Nov.	1	0.5	0.2	0.2	Sep.-Nov.	1	0.5	0.2	0.2
	7	.5	.2	.2		7	.6	.3	.2
	30	.7	.3	.3		30	.8	.3	.3
	90	1.4	.5	.4		90	2.5	.6	.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.3	0.4	0.6	0.8	1.1
May-Nov.	.3	.4	.5	.6	.8
Dec.-Feb.	.5	.7	1.2	1.9	2.6
Sep.-Nov.	.2	.3	.4	.5	.6

HOCKING RIVER BASIN

03156550 Rush Creek near Junction City, Ohio

LOCATION: Lat 39° 43' 13", long 82° 21' 01", Perry County, Hydrologic Unit 05030204, at bridge on Flag Dale Road (Perry County Road 23), 0.4 mi downstream from Center Branch, 2.7 mi west of Junction City.

DRAINAGE AREA: 71.0 mi².

TRIBUTARY TO: Hocking River.

STREAMFLOW DATA USED: Low-flow measurements, 1978-83 water years.

INDEX STATION: 03157500 Hocking River at Enterprise, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 4.2 ft³/s August 1983.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	2.9	1.4	1.2	Dec.-Feb.	1	8.8	2.8	2.0
	7	3.3	1.6	1.3		7	11	3.3	2.3
	30	4.4	2.0	1.7		30	28	6.3	4.1
	90	7.1	2.9	2.3		90	119	30	18
May-Nov.	1	2.9	1.4	1.2	Sep.-Nov.	1	3.0	1.5	1.3
	7	3.3	1.6	1.3		7	3.5	1.7	1.4
	30	4.4	2.0	1.7		30	5.0	2.1	1.8
	90	7.8	2.9	2.3		90	13	3.6	2.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	2.0	2.8	3.8	4.9	6.2
May-Nov.	1.8	2.4	3.1	3.8	4.5
Dec.-Feb.	3.1	4.4	6.9	10	14
Sep.-Nov.	1.6	2.0	2.5	3.0	3.4

HOCKING RIVER BASIN

03156700 Rush Creek near Sugar Grove, Ohio

LOCATION: Lat 39° 38' 15", long 82° 30' 40", Fairfield County, Hydrologic Unit 05020304, at bridge on Berne Township Road 294, 2.0 mi northeast of Sugar Grove.

DRAINAGE AREA: 229 mi².

TRIBUTARY TO: Hocking River.

STREAMFLOW DATA USED: Low-flow measurements, 1962-73 water years.

INDEX STATION: 03157500 Hocking River at Enterprise, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 5.9 ft³/s August 1962.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	10	5.1	4.2	Dec.-Feb.	1	30	10	7.3
	7	12	5.7	4.8		7	37	12	8.4
	30	15	7.3	6.1		30	92	22	14
	90	24	10	8.4		90	369	98	61
May-Nov.	1	10	5.1	4.3	Sep.-Nov.	1	11	5.4	4.6
	7	12	5.7	4.8		7	12	6.1	5.2
	30	15	7.4	6.3		30	17	7.6	6.4
	90	27	10	8.3		90	44	13	9.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	7.3	9.9	13	17	21
May-Nov.	6.5	8.5	11	13	16
Dec.-Feb.	11	15	24	34	46
Sep.-Nov.	5.6	7.1	9.0	11	12

HOCKING RIVER BASIN

03156900 Clear Creek at Clearport, Ohio

LOCATION: Lat 39° 37' 06", long 82° 40' 50", Fairfield County, Hydrologic Unit 05030204, at bridge on Clearport Road (Fairfield County Road 24) in Clearport, 0.5 mi upstream from Muddy Prairie Run, 8.5 mi south of Lancaster.

DRAINAGE AREA: 47.3 mi².

TRIBUTARY TO: Hocking River.

STREAMFLOW DATA USED: Low-flow measurements, 1978 and 1980-83 water years.

INDEX STATION: 03157000 Clear Creek near Rockbridge, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 4.6 ft³/s October 1982.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	4.3	2.2	1.8	Dec.-Feb.	1	9.4	4.6	3.8
	7	4.5	2.6	2.3		7	11	5.4	4.4
	30	5.4	3.5	3.1		30	20	8.0	6.1
	90	7.5	4.4	4.0		90	58	22	16
May-Nov.	1	4.3	2.2	1.8	Sep.-Nov.	1	4.3	2.6	2.3
	7	4.5	2.7	2.3		7	4.7	3.1	2.8
	30	5.4	3.5	3.2		30	6.1	3.9	3.6
	90	7.5	4.4	4.0		90	11	5.2	4.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	3.5	4.4	5.5	6.4	7.4
May-Nov.	3.2	3.8	4.6	5.3	5.9
Dec.-Feb.	5.4	6.6	8.4	11	13
Sep.-Nov.	3.1	3.7	4.2	4.8	5.2

HOCKING RIVER BASIN

03157000 Clear Creek near Rockbridge, Ohio

LOCATION: Lat 39° 35' 18", long 82° 34' 43", in NE 1/4 sec. 20, T. 13 N., R. 18 W., Hocking County, Hydrologic Unit 05030204, on left bank at upstream side of county road bridge, 400 ft downstream from unnamed right bank tributary, 2.0 mi upstream from mouth, and 3 mi west of Rockbridge.

DRAINAGE AREA: 89.0 mi².

TRIBUTARY TO: Hocking River.

STREAMFLOW DATA USED: October 1939 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 34.1 ft³/s
 Average streamflow: 90.5 ft³/s (58 years)
 Minimum daily streamflow: 3.50 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	14	9.7	8.0	6.8	5.5	Dec.-Feb.	1	25	18	14	12	10
	7	14	11	9.2	8.2	7.2		7	29	20	16	14	12
	30	16	13	11	11	9.8		30	47	29	22	18	14
	90	21	16	14	13	12		90	110	68	51	39	29
May-Nov.	1	14	9.7	8.0	6.8	5.6	Sep.-Nov.	1	14	10	9.0	8.1	7.3
	7	14	11	9.2	8.2	7.3		7	15	11	10	9.6	9.0
	30	16	13	11	11	9.9		30	18	14	13	12	11
	90	21	16	14	13	12		90	30	19	16	14	12

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	11	14	16	19	21	24	27	35	45	60	80	112	188
May-Nov.	11	12	14	16	18	19	20	24	29	36	46	65	109
Dec.-Feb.	16	19	23	28	32	37	41	52	65	82	105	142	235
Sep.-Nov.	10	12	13	15	16	17	18	20	22	26	32	41	66

HOCKING RIVER BASIN

03157500 Hocking River at Enterprise, Ohio

LOCATION: Lat 39° 33' 54", long 82° 28' 30", in NW 1/4 sec. 5, T. 14 N., R. 17 W., Hocking County, Hydrologic Unit 05030204, on right bank at upstream side of bridge at Enterprise, 4.0 mi downstream from Buck Run, and 4.3 mi upstream from Scott Creek.

DRAINAGE AREA: 459 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: May 1931 to September 1997.

REMARKS: Flood flow affected by temporary retention in eight retarding basins upstream from station.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 140 ft³/s
 Average streamflow: 471 ft³/s (66 years)
 Minimum daily streamflow: 23.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	48	35	30	26	23	Dec.-Feb.	1	102	62	48	39	30
	7	53	38	32	29	25		7	117	69	53	42	33
	30	64	45	38	34	30		30	221	116	82	61	44
	90	88	58	48	42	37		90	574	327	230	166	111
May-Nov.	1	48	35	30	27	23	Sep.-Nov.	1	50	36	31	28	25
	7	53	38	32	29	25		7	55	39	34	30	27
	30	64	45	39	35	31		30	70	47	40	35	31
	90	94	60	49	42	36		90	132	74	56	45	35

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	38	48	58	69	80	95	113	154	212	298	419	616	1080
May-Nov.	35	43	51	58	65	72	80	100	127	165	221	325	598
Dec.-Feb.	50	64	87	112	136	157	184	249	330	436	578	806	1390
Sep.-Nov.	32	38	44	50	55	59	64	74	87	108	137	193	340

HOCKING RIVER BASIN

03158000 Clear Fork near Logan, Ohio

LOCATION: Lat 39° 32' 05", long 82° 26' 55", Fairfield County, Hydrologic Unit 05030204, in NE 1/4 sec.16, T.14 N., R. 17 W., at bridge on State Route 664, 1.4 mi downstream from Duck Creek, 1.6 mi upstream from Scott Creek, and 2.3 mi southwest of Logan.

DRAINAGE AREA: 14.8 mi².

TRIBUTARY TO: Hocking River.

STREAMFLOW DATA USED: Continuous streamflow record January 1942 to September 1947.

INDEX STATION: 03157000 Clear Creek near Rockbridge, Ohio.

REMARKS: Regulated by Lake Logan beginning 1954.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.4 ft³/s November 1944.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.0	0.5	0.4	Dec.-Feb.	1	2.2	1.1	0.9
	7	1.0	.6	.5		7	2.5	1.2	1.0
	30	1.2	.8	.7		30	4.7	1.8	1.4
	90	1.7	1.0	.9		90	14	5.2	3.8
May-Nov.	1	1.0	0.5	0.4	Sep.-Nov.	1	1.0	0.6	0.5
	7	1.0	.6	.5		7	1.1	.7	.6
	30	1.2	.8	.7		30	1.4	.9	.8
	90	1.7	1.0	.9		90	2.7	1.2	1.0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.8	1.0	1.3	1.5	1.7
May-Nov.	.7	.9	1.1	1.2	1.4
Dec.-Feb.	1.2	1.5	2.0	2.4	2.9
Sep.-Nov.	.7	.8	1.0	1.1	1.2

HOCKING RIVER BASIN

03159000 Sunday Creek at Glouster, Ohio

LOCATION: Lat 39° 30' 03", long 82° 05' 07", Athens County, Hydrologic Unit 05030204, on left bank 150 ft downstream from West Branch, 200 ft upstream from bridge on State Route 78 at Glouster.

DRAINAGE AREA: 104 mi².

TRIBUTARY TO: Hocking River.

STREAMFLOW DATA USED: October 1951 to April 1981.

REMARKS: Flow partly regulated by Burr Oak Reservoir 5.2 mi upstream. Most of small diversion downstream from Burr Oak Reservoir, average discharge 0.90 ft³/s, is returned to stream upstream from station.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 12.7 ft³/s
 Average streamflow: 112 ft³/s (27 years)
 Minimum daily streamflow: 0.50 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	4.2	2.3	1.6	1.1	0.7	Dec.-Feb.	1	14	5.2	2.9	1.6	0.8
	7	5.0	2.7	1.9	1.3	.8		7	18	7.3	4.1	2.4	1.2
	30	6.2	3.2	2.2	1.6	1.1		30	50	17	8.3	4.3	1.9
	90	9.0	4.5	3.4	2.7	2.2		90	167	86	48	26	11
May-Nov.	1	4.2	2.3	1.6	1.1	0.7	Sep.-Nov.	1	4.9	2.4	1.6	1.1	0.7
	7	5.0	2.7	1.9	1.3	.8		7	5.8	2.9	1.9	1.3	.8
	30	6.2	3.2	2.2	1.6	1.1		30	7.6	3.4	2.2	1.6	1.0
	90	9.1	4.5	3.4	2.7	2.2		90	21	8.1	5.0	3.4	2.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	2.2	3.7	5.1	6.4	8.1	10	13	19	30	51	82	138	300
May-Nov.	1.8	3.2	4.3	5.1	5.9	6.8	7.9	11	14	19	28	50	124
Dec.-Feb.	3.1	5.8	11	15	19	24	30	46	65	89	133	211	404
Sep.-Nov.	1.2	2.3	3.4	4.0	4.6	5.2	5.8	7.4	11	14	19	29	83

HOCKING RIVER BASIN

03159500 Hocking River at Athens, Ohio

LOCATION: Lat 39° 19' 44", long 82° 05' 16", in T. 9 N., R. 14 W., Athens County, Hydrologic Unit 05030204, on right bank 0.8 mi east of business section of Athens, 1.4 mi downstream from Coats Run, and 3.0 mi downstream from Margaret Creek.

DRAINAGE AREA: 943 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1915 to September 1997.

REMARKS: Some regulation by Burr Oak Reservoir on East Branch Sunday Creek 29 mi upstream, beginning 1952; by Hocking Lake, capacity 3,080 acre-ft, on Clear Fork 39.4 mi upstream, beginning in 1949; and by temporary retention in eight retarding basins, combined capacity 8,710 acre-ft, constructed between 1955 and 1961 upstream from Lancaster. Diurnal fluctuation at low flow caused by mill 3.2 mi upstream from station. Channel work has destroyed stage-discharge relation used prior to June 1970.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 232 ft³/s
 Average streamflow: 1,020 ft³/s (82 years)
 Minimum daily streamflow: 10.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	71	44	33	26	20	Dec.-Feb.	1	184	99	70	53	38
	7	78	53	44	37	31		7	221	117	83	62	44
	30	95	64	53	46	40		30	468	219	143	98	63
	90	144	88	71	60	51		90	1370	741	485	322	191
May-Nov.	1	71	44	33	26	20	Sep.-Nov.	1	75	46	36	29	23
	7	78	53	44	37	32		7	80	53	44	38	33
	30	95	64	53	47	41		30	101	64	53	47	41
	90	152	90	72	60	51		90	235	116	82	62	46

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	56	71	89	108	131	160	197	293	431	624	906	1360	2470
May-Nov.	50	63	77	89	100	114	128	169	227	308	439	683	1280
Dec.-Feb.	71	100	151	213	273	329	390	532	723	972	1310	1890	3350
Sep.-Nov.	43	53	64	73	80	87	94	110	134	171	241	367	732

HOCKING RIVER BASIN

03159510 Hocking River below Athens, Ohio

LOCATION: Lat 39° 19' 39", long 82° 00' 18", Athens County, Hydrologic Unit 05030204, at downstream side of Harmony Lane bridge, 3.5 mi east of Athens, 1.1 mi downstream from Strouds Run, and 2.8 mi upstream from Scott Creek.

DRAINAGE AREA: 957 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1976 to March 1993.

REMARKS: Some regulation by Burr Oak Reservoir on East Branch Sunday Creek 34.3 mi upstream, beginning 1952; by Hocking Lake, capacity 3,080 acre-ft, on Clear Fork 44.7 mi upstream, beginning in 1949; by temporary retention in eight retarding basins, combined capacity 8,710 acre-ft, constructed between 1955 and 1961 upstream from Lancaster; and Dow Lake, capacity 1,884 acre-ft, on Strouds Run, 1.1 mi upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 294 ft³/s
 Average streamflow: 1,110 ft³/s (16 years)
 Minimum daily streamflow: 52.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	90	63	54	48	43	Dec.-Feb.	1	256	161	122	95	70
	7	97	67	57	50	45		7	274	176	139	113	90
	30	115	75	63	55	50		30	412	262	215	185	159
	90	177	101	80	67	57		90	1250	838	680	572	471
May-Nov.	1	90	62	54	48	43	Sept.-Nov.	1	92	62	53	48	44
	7	97	67	57	50	45		7	98	65	56	51	47
	30	114	74	62	55	50		30	118	75	64	57	53
	90	179	101	79	67	56		90	311	154	108	80	58

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	69	87	109	134	171	219	270	384	532	757	1070	1560	2750
May-Nov.	64	75	91	104	118	137	160	220	296	412	587	891	1710
Dec.-Feb.	122	180	236	287	322	368	427	558	753	980	1330	1930	3290
Sept.-Nov.	59	68	78	86	94	101	110	130	180	246	362	557	986

SHADE RIVER BASIN

03159536 West Branch Shade River at Chester, Ohio

LOCATION: Lat 39° 06' 00", long 81° 55' 33", Meigs County, Hydrologic Unit 05030202, at bridge on State Route 7, 0.2 mi upstream from mouth, 0.9 mi north of Chester.

DRAINAGE AREA: 71.1 mi².

TRIBUTARY TO: Head of Shade River.

STREAMFLOW DATA USED: Low-flow measurements, 1980-83 water years.

INDEX STATION: 03159540 Shade River near Chester, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.6 ft³/s October 1981.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.8	0.2	0.1	Dec.-Feb.	1	11	2.5	1.5
	7	1.1	.2	.1		7	12	3.1	2.0
	30	2.5	.4	.2		30	31	12	8.9
	90	7.3	1.1	.6		90	95	55	47
May-Nov.	1	0.8	0.2	0.1	Sep.-Nov.	1	1.0	0.2	0.1
	7	1.1	.2	.1		7	1.5	.2	.2
	30	2.4	.4	.2		30	3.9	.6	.3
	90	7.4	1.1	.6		90	22	3.3	1.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.3	0.8	1.8	3.0	4.6
May-Nov.	.2	.4	1.0	1.6	2.2
Dec.-Feb.	2.9	6.6	10	13	17
Sep.-Nov.	.2	.3	.7	1.3	1.7

SHADE RIVER BASIN

03159538 Middle Branch Shade River at Chester, Ohio

LOCATION: Lat 39° 06' 14", long 81° 55' 24", Meigs County, Hydrologic Unit 05030202, at bridge on State Route 7, 0.4 mi upstream from mouth, 1.1 mi northwest of Chester.

DRAINAGE AREA: 57.5 mi².

TRIBUTARY TO: Shade River.

STREAMFLOW DATA USED: Low-flow measurements, 1980-83 water years.

INDEX STATION: 03159540 Shade River near Chester, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.3 ft³/s October 1981.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.6	0.1	0.1	Dec.-Feb.	1	9.2	1.8	1.0
	7	.7	.1	.1		7	11	2.4	1.4
	30	1.8	.2	.1		30	31	10	7.6
	90	6.1	.8	.4		90	105	57	48
May-Nov.	1	0.6	0.1	0.1	Sep.-Nov.	1	0.7	0.1	0.1
	7	.7	.1	.1		7	1.0	.1	.1
	30	1.8	.2	.1		30	3.1	.4	.2
	90	6.2	.8	.4		90	21	2.6	1.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.2	0.5	1.3	2.3	3.7
May-Nov.	.1	.3	.7	1.2	1.7
Dec.-Feb.	2.2	5.5	8.9	12	16
Sep.-Nov.	.1	.2	.4	.9	1.2

SHADE RIVER BASIN

03159540 Shade River near Chester, Ohio

LOCATION: Lat 39° 03' 49", long 81° 52' 55", in NE 1/4 sec. 10, T. 3 N., R. 12 W., Meigs County, Hydrologic Unit 05030202, on right bank at downstream side of bridge on Oak Hill Road, 200 ft upstream from Sugar Run, 2.8 mi southeast of Chester, and 8.5 mi northeast of Pomeroy.

DRAINAGE AREA: 156 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: June 1965 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 8.22 ft³/s
 Average streamflow: 171 ft³/s (31 years)
 Minimum daily streamflow: 0.18 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	2.0	0.7	0.4	0.2	0.1	Dec.-Feb.	1	26	10	6.0	3.6	1.9
	7	2.5	.9	.5	.3	.2		7	30	13	7.5	4.7	2.7
	30	6.0	1.8	.9	.5	.3		30	78	41	29	22	15
	90	18	5.5	2.7	1.5	.7		90	241	168	138	117	96
May-Nov.	1	2.0	0.7	0.4	0.2	0.1	Sep.-Nov.	1	2.5	0.8	0.4	0.3	0.1
	7	2.5	.9	.5	.3	.2		7	3.5	1.1	.6	.3	.2
	30	5.8	1.7	.9	.5	.3		30	9.5	2.7	1.3	.7	.4
	90	18	5.5	2.7	1.4	.7		90	55	17	8.0	3.8	1.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.7	1.9	4.3	7.3	11	16	22	38	61	91	134	204	400
May-Nov.	.5	1.0	2.4	3.9	5.4	7.3	9.5	16	24	38	59	99	208
Dec.-Feb.	7.0	16	25	33	43	54	64	87	114	150	203	304	591
Sep.-Nov.	.4	.7	1.6	3.1	4.1	5.3	6.9	11	16	25	40	75	150

SHADE RIVER BASIN

03159555 East Branch Shade River near Tupper Plains, Ohio

LOCATION: Lat 39° 08' 29", long 81° 52' 39", Meigs County, Hydrologic Unit 05030202, at private road bridge adjacent to township road 279, 2.1 mi downstream from Meigs Creek, 2.8 mi upstream from Big Run, 2.7 mi southwest of Tupper Plains.

DRAINAGE AREA: 37.5 mi².

TRIBUTARY TO: Shade River.

STREAMFLOW DATA USED: Low-flow measurements, 1980-85, 1995, 1996, 1998, and 1999 water years.

INDEX STATION: 03159540 Shade River near Chester, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s September 1995.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.2	0	0	Dec.-Feb.	1	5.0	0.7	0.4
	7	.2	0	0		7	6.0	1.0	.5
	30	.7	.1	0		30	21	5.8	4.0
	90	3.1	.3	.1		90	91	44	35
May-Nov.	1	0.2	0	0	Sep.-Nov.	1	0.2	0	0
	7	.2	0	0		7	.4	0	0
	30	.7	.1	0		30	1.4	.1	0
	90	3.1	.3	.1		90	13	1.1	.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0	0.2	0.5	1.0	1.7
May-Nov.	0	.1	.2	.4	.6
Dec.-Feb.	.9	2.7	4.8	6.7	9.7
Sep.-Nov.	0	0	.1	.3	.4

LEADING CREEK BASIN

03160050 Leading Creek near Middleport, Ohio

LOCATION: Lat 39° 00' 31", long 82° 05' 07", Meigs County, Hydrologic Unit 05030202, at private road bridge 1.2 mi northwest of State Route 7, 1.8 mi northwest of Middleport.

DRAINAGE AREA: 117 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1955, 1962-69, 1971-75, and 1995-99 water years.

INDEX STATION: 03202000 Raccoon Creek at Adamsville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s October 1963.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.8	0.1	0	Dec.-Feb.	1	17	1.5	0.6
	7	1.0	.1	.1		7	22	2.4	1.0
	30	1.9	.2	.1		30	102	6.9	2.0
	90	5.4	.6	.4		90	383	109	47
May-Nov.	1	0.8	0.1	0	Sep.-Nov.	1	0.9	0.1	0
	7	1.0	.1	.1		7	1.1	.1	.1
	30	1.9	.2	.1		30	2.3	.2	.1
	90	5.4	.7	.4		90	15	1.2	.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.3	0.7	1.9	3.5	5.7
May-Nov.	.2	.4	1.0	1.7	2.7
Dec.-Feb.	1.2	4.9	12	22	35
Sep.-Nov.	.1	.2	.4	.6	1.0

CAMPAIGN CREEK BASIN

03160105 Campaign Creek near Gallipolis, Ohio

LOCATION: Lat 38° 53' 51", long 82° 11' 31", Gallia County, Hydrologic Unit 05030202, at bridge on Bulaville Porter Road, 5.6 mi upstream from mouth, 5.8 mi north of Gallipolis.

DRAINAGE AREA: 35.5 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1976-81 water years.

INDEX STATION: 03202000 Raccoon Creek at Adamsville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.6 ft³/s October 1980.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.2	0	0	Dec.-Feb.	1	1.7	0.3	0.2
	7	.2	0	0		7	2.1	.4	.2
	30	.4	.1	0		30	6.3	.9	.4
	90	.8	.2	.1		90	16	6.6	3.6
May-Nov.	1	0.2	0	0	Sep.-Nov.	1	0.2	0	0
	7	.2	0	0		7	.2	0	0
	30	.4	.1	0		30	.4	.1	0
	90	.8	.2	.1		90	1.6	.3	.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.1	0.2	0.4	0.6	0.8
May-Nov.	.1	.1	.2	.3	.5
Dec.-Feb.	.2	.7	1.4	2.1	2.9
Sep.-Nov.	0	.1	.1	.2	.2

RACCOON CREEK BASIN

03201600 Sandy Run above Big Four Hollow Creek near Lake Hope, Ohio

LOCATION: Lat 39° 21' 45", long 82° 18' 47", in NE 1/4 sec. 11, T. 11 N., R. 16 W., Vinton County, Hydrologic Unit 05090101, on right bank 250 ft upstream from Big Four Hollow Creek, 150 ft downstream from Morgan Hollow Creek, 2.5 mi southwest of Carbondale, and 3.7 mi northeast of Lake Hope.

DRAINAGE AREA: 0.98 mi².

TRIBUTARY TO: Raccoon Creek.

STREAMFLOW DATA USED: October 1970 to October 1981

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 0.16 ft³/s
 Average streamflow: 1.11 ft³/s (11 years)
 Minimum daily streamflow: 0.02 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0	0	0	0	0	Dec.-Feb.	1	0.1	0	0	0	0
	7	0	0	0	0	0		7	.2	.1	.1	0	0
	30	.1	0	0	0	0		30	.5	.2	.1	0	0
	90	.1	.1	.1	0	0		90	1.5	1.0	.7	.6	.4
May-Nov.	1	0	0	0	0	0	Sep.-Nov.	1	0	0	0	0	0
	7	0	0	0	0	0		7	.1	0	0	0	0
	30	.1	.1	0	0	0		30	.1	.1	0	0	0
	90	.1	.1	.1	0	0		90	.3	.1	.1	.1	0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0	0	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.6	0.9	1.4	2.5
May-Nov.	0	0	.1	.1	.1	.1	.1	.1	.2	.2	.3	.6	1.4
Dec.-Feb.	.1	.1	.1	.2	.2	.3	.4	.6	.8	1.0	1.5	2.0	3.6
Sep.-Nov.	0	0	0	.1	.1	.1	.1	.1	.1	.2	.2	.5	1.1

RACCOON CREEK BASIN

03201700 Big Four Hollow Creek near Lake Hope, Ohio

LOCATION: Lat 39° 21' 48", long 82° 18' 51", in NE 1/4 SE 1/4 sec. 11, T. 11 N., R. 16 W., Vinton County, Hydrologic Unit 05090101, on right bank 200 ft upstream from State Route 278, 300 ft upstream from Sandy Run, 2.5 mi southwest of Carbondale, and 3.7 mi northeast of Lake Hope.

DRAINAGE AREA: 1.01 mi².

TRIBUTARY TO: Sandy Run.

STREAMFLOW DATA USED: October 1970 to June 1983.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 0.12 ft³/s
 Average streamflow: 1.17 ft³/s (12 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 3 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0	0	0	0	0	Dec.-Feb.	1	0.1	0.1	0	0	0
	7	0	0	0	0	0		7	.2	.1	.1	0	0
	30	.1	0	0	0	0		30	.5	.2	.1	.1	0
	90	.1	.1	0	0	0		90	1.5	1.0	.8	.7	.6
May-Nov.	1	0	0	0	0	0	Sep.-Nov.	1	0	0	0	0	0
	7	0	0	0	0	0		7	0	0	0	0	0
	30	.1	0	0	0	0		30	.1	0	0	0	0
	90	.1	.1	0	0	0		90	.3	.1	.1	0	0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0	0	0	0.1	0.1	0.1	0.1	0.2	0.3	0.5	0.8	1.4	2.7
May-Nov.	0	0	0	0	.1	.1	.1	.1	.1	.2	.3	.6	1.5
Dec.-Feb.	.1	.1	.1	.2	.2	.3	.4	.6	.8	1.0	1.4	2.0	3.6
Sep.-Nov.	0	0	0	0	0	.1	.1	.1	.1	.2	.2	.4	1.0

RACCOON CREEK BASIN

03201800 Sandy Run near Lake Hope, Ohio

LOCATION: Lat 39° 20' 01", long 82° 19' 56", in T. 11 N., R. 16 W., Vinton County, Hydrologic Unit 05090101, on right bank at upstream side on bridge of King Hollow Trail, 1,200 ft downstream from Harbargar Hollow, 2.6 mi upstream from spillway of Lake Hope, and 5.0 mi northeast of Zaleski.

DRAINAGE AREA: 4.99 mi².

TRIBUTARY TO: Raccoon Creek.

STREAMFLOW DATA USED: October 1957 to October 1978.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 0.38 ft³/s
 Average streamflow: 5.73 ft³/s (21 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 16 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0	0	0	0	0	Dec.-Feb.	1	0.5	0.2	0	0	0
	7	0	0	0	0	0		7	.7	.3	.1	0	0
	30	.1	0	0	0	0		30	2.3	.8	.4	.2	.1
	90	.3	.1	0	0	0		90	7.4	4.0	2.6	1.8	1.0
May-Nov.	1	0	0	0	0	0	Sep.-Nov.	1	0	0	0	0	0
	7	0	0	0	0	0		7	0	0	0	0	0
	30	.1	0	0	0	0		30	.1	0	0	0	0
	90	.2	.1	0	0	0		90	.8	.2	.1	0	0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0	0	0	.1	.2	.3	.4	.8	1.4	2.5	4.0	6.6	14
May-Nov.	0	0	0	0	.1	.1	.2	.3	.5	.8	1.2	2.4	5.1
Dec.-Feb.	.1	.2	.4	.7	.9	1.1	1.5	2.2	3.2	4.4	6.1	9.5	18
Sep.-Nov.	0	0	0	0	0	.1	.1	.2	.3	.6	.9	1.5	3.1

RACCOON CREEK BASIN

03201900 Raccoon Creek near Prattsville, Ohio

LOCATION: Lat 39° 14' 20", long 82° 17' 10", Vinton County, Hydrologic Unit 05090101, at bridge on U.S. Highway 50, 5.0 mi east of Prattsville, 1.5 mi above Russell Run.

DRAINAGE AREA: 200 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1951-71 water years.

INDEX STATION: 03202000 Raccoon Creek at Adamsville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s October 1963.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.8	0.1	0	Dec.-Feb.	1	17	1.5	0.6
	7	1.0	.1	.1		7	22	2.4	1.0
	30	1.9	.2	.1		30	102	6.9	2.0
	90	5.4	.7	.4		90	383	109	47
May-Nov.	1	0.8	0.1	0	Sep.-Nov.	1	0.8	0.1	0
	7	1.0	.1	.1		7	1.1	.1	.1
	30	1.9	.2	.1		30	2.3	.2	.1
	90	5.4	.7	.4		90	15	1.2	.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.3	0.7	1.9	3.5	5.7
May-Nov.	.2	.4	1.0	1.7	2.7
Dec.-Feb.	1.2	4.9	12	22	35
Sep.-Nov.	.1	.2	.3	.6	1.0

RACCOON CREEK BASIN

03201990 Little Raccoon Creek near Vinton, Ohio

LOCATION: Lat 38° 57' 12", long 82° 21' 57", Gallia County, Hydrologic Unit 05090101, at bridge on State Route 325, 1.2 mi upstream from mouth, 2.0 mi southwest of Vinton.

DRAINAGE AREA: 154 mi².

TRIBUTARY TO: Raccoon Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1951-53, 1959, 1965, and 1972-75 water years.

INDEX STATION: 03202000 Raccoon Creek at Adamsville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 4.6 ft³/s September 1959.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	4.7	1.4	0.9	Dec.-Feb.	1	27	6.7	4.0
	7	5.4	1.6	1.1		7	33	9.0	5.2
	30	7.8	2.4	1.6		30	79	16	7.9
	90	14	4.2	2.9		90	169	82	50
May-Nov.	1	4.7	1.4	0.9	Sep.-Nov.	1	5.0	1.4	0.9
	7	5.4	1.6	1.1		7	5.6	1.6	1.1
	30	7.8	2.4	1.6		30	8.7	2.3	1.6
	90	14	4.3	3.0		90	26	6.1	3.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	2.6	4.5	7.7	11	15
May-Nov.	2.0	3.1	5.4	7.3	9.4
Dec.-Feb.	5.8	13	23	32	42
Sep.-Nov.	1.4	2.1	2.9	4.0	5.4

RACCOON CREEK BASIN

03202000 Raccoon Creek at Adamsville, Ohio

LOCATION: Lat 38° 52' 25", long 82° 21' 22", in SE 1/4 sec. 26, T. 6 N., R. 16 W., Gallia County, Hydrologic Unit 05090101, on left bank at downstream side of U.S. Highway 35 bridge at Adamsville, 1.3 mi upstream from Ryan Run, and 1.4 mi downstream from Indian Creek.

DRAINAGE AREA: 585 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1938 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 54.5 ft³/s
 Average streamflow: 630 ft³/s (53 years)
 Minimum daily streamflow: 1.10 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	13	5.4	3.3	2.1	1.2	Dec.-Feb.	1	100	41	20	11	5.0
	7	16	6.5	4.0	2.6	1.5		7	122	50	28	15	6.2
	30	24	9.8	6.0	3.9	2.4		30	336	122	56	24	7.9
	90	47	19	12	7.6	4.6		90	810	520	350	199	49
May-Nov.	1	13	5.4	3.3	2.1	1.2	Sep.-Nov.	1	14	5.5	3.2	2.1	1.2
	7	16	6.5	4.0	2.6	1.5		7	16	6.4	3.9	2.5	1.5
	30	24	9.8	6.0	3.9	2.4		30	27	9.8	5.8	3.8	2.3
	90	48	19	12	7.8	4.9		90	95	33	18	10	5.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	6.7	12	24	35	49	66	85	142	233	383	594	938	1720
May-Nov.	5.1	8.3	16	22	30	37	46	67	96	140	215	368	750
Dec.-Feb.	17	44	83	120	164	206	250	364	498	675	908	1350	2250
Sep.-Nov.	3.2	5.2	7.6	11	16	20	24	36	50	71	104	172	373

INDIAN GUYAN CREEK BASIN

03205210 Indian Guyan Creek near Bradrick, Ohio

LOCATION: Lat 38° 28' 41", long 82° 23' 54", Lawrence County, Hydrologic Unit 05090101, at bridge on Indian Guyan Road (Township Road C-69), 200 ft upstream from relocated Fourmile Creek, 2.5 mi north of Bradrick.

DRAINAGE AREA: 67.5 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1959 and 1972-77 water years.

INDEX STATION: 03202000 Raccoon Creek at Adamsville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.8 ft³/s September 1976.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.8	0.2	0.1	Dec.-Feb.	1	5.4	1.2	0.7
	7	.9	.2	.2		7	6.6	1.6	.9
	30	1.4	.4	.2		30	17	3.1	1.4
	90	2.7	.7	.5		90	40	18	11
May-Nov.	1	0.8	0.2	0.1	Sep.-Nov.	1	0.8	0.2	0.1
	7	.9	.2	.2		7	1.0	.2	.2
	30	1.4	.4	.2		30	1.6	.4	.2
	90	2.7	.7	.5		90	5.2	1.1	.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.4	0.8	1.4	2.0	2.8
May-Nov.	.3	.5	.9	1.3	1.7
Dec.-Feb.	1.0	2.5	4.6	6.5	8.7
Sep.-Nov.	.2	.3	.5	.7	.9

SYMMES CREEK BASIN

03205500 Symmes Creek at Getaway, Ohio

LOCATION: Lat 38° 29' 45", long 82° 28' 35", Lawrence County, Hydrologic Unit 05090101, in SE 1/4 sec. 6, T. 1 N., R. 6 W., at bridge on State Route 243 at north edge of Getaway, 0.8 mi downstream from Leatherwood Creek, 1.2 mi upstream from Rankin Creek, and 5.2 mi northwest of Huntington, W. Va.

DRAINAGE AREA: 333 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Continuous streamflow record April 1938 to September 1947.

INDEX STATION: 03202000 Raccoon Creek at Adamsville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.2 ft³/s September 1944.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	4.0	0.9	0.6	Dec.-Feb.	1	33	6.1	3.3
	7	4.7	1.1	.7		7	41	8.7	4.5
	30	7.3	1.7	1.1		30	118	18	7.4
	90	15	3.4	2.2		90	296	123	68
May-Nov.	1	4.0	0.9	0.6	Sep.-Nov.	1	4.3	0.9	0.6
	7	4.7	1.1	.7		7	4.9	1.1	.7
	30	7.3	1.7	1.1		30	8.4	1.7	1.1
	90	15	3.5	2.3		90	31	5.4	3.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.9	3.7	7.2	11	16
May-Nov.	1.5	2.4	4.7	6.8	9.2
Dec.-Feb.	5.1	14	27	40	55
Sep.-Nov.	.9	1.5	2.2	3.3	4.7

ICE CREEK BASIN

03216050 Ice Creek at Ironton, Ohio

LOCATION: Lat 38° 31' 05", long 82° 38' 29", Lawrence County, Hydrologic Unit 05090103, at bridge on a private road, 0.6 mi east of city limits of Ironton, 2.0 mi upstream from mouth.

DRAINAGE AREA: 37.2 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements 1976-1978, 1980, 1981 water years.

INDEX STATION: 03237500 Ohio Brush Creek near West Union, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.4 ft³/s October 1980.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.2	0	0	Dec.-Feb.	1	2.4	0.5	0.3
	7	.3	0	0		7	3.2	.7	.3
	30	.6	.1	.1		30	9.9	1.9	.8
	90	1.9	.3	.2		90	26	11	7.0
May-Nov.	1	0.2	0	0	Sep.-Nov.	1	0.3	0	0
	7	.3	0	0		7	.3	0	0
	30	.6	.1	.1		30	.9	.2	.1
	90	2.0	.4	.2		90	5.1	.6	.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.1	0.3	0.5	0.8	1.2
May-Nov.	.1	.2	.3	.4	.6
Dec.-Feb.	.5	1.1	2.3	3.3	4.2
Sep.-Nov.	0	.1	.2	.3	.4

PINE CREEK BASIN

03216640 Pine Creek near Wheelersburg, Ohio

LOCATION: Lat 38° 39' 12", long 82° 48' 09", Scioto County, Hydrologic Unit 05090103, at bridge on Junior Furnace-Powellsville Road, 1.7 mi upstream from Poplar Fork, 6.0 mi southwest of Wheelersburg.

DRAINAGE AREA: 152 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1959, 1962, 1972-77, and 1995 water years.

INDEX STATION: 03202000 Raccoon Creek at Adamsville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 2.0 ft³/s September 1972.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	2.3	0.6	0.4	Dec.-Feb.	1	14	3.3	1.9
	7	2.6	.8	.5		7	17	4.5	2.6
	30	3.8	1.1	.8		30	42	8.3	3.9
	90	7.1	2.0	1.4		90	92	43	26
May-Nov.	1	2.3	0.6	0.4	Sep.-Nov.	1	2.4	0.6	0.4
	7	2.6	.8	.5		7	2.8	.8	.5
	30	3.8	1.1	.8		30	4.3	1.1	.7
	90	7.2	2.1	1.4		90	13	3.0	1.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.2	2.2	3.8	5.5	7.4
May-Nov.	1.0	1.5	2.6	3.6	4.7
Dec.-Feb.	2.8	6.7	12	16	22
Sep.-Nov.	.6	1.0	1.4	2.0	2.6

SCIOTO RIVER BASIN

03217400 Scioto River near Kenton, Ohio

LOCATION: Lat 40° 38' 50", long 83° 38' 20", Hardin County, Hydrologic Unit 05060001, at bridge on County Road 130, 1.5 mi west of court house in Kenton.

DRAINAGE AREA: 130 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1961-73 water years.

INDEX STATION: 03217500 Scioto River at La Rue, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 3.3 ft³/s October 1963.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	3.0	1.9	1.8	Dec.-Feb.	1	7.7	3.0	2.3
	7	3.3	2.2	2.0		7	8.6	3.3	2.5
	30	4.3	2.6	2.4		30	20	4.6	3.0
	90	7.0	3.5	3.0		90	69	23	16
May-Nov.	1	3.0	1.9	1.8	Sep.-Nov.	1	3.1	2.0	1.8
	7	3.4	2.2	2.0		7	3.8	2.3	2.0
	30	4.4	2.6	2.4		30	5.5	2.8	2.4
	90	7.2	3.6	3.1		90	13	4.1	3.0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	2.6	3.0	4.1	5.1	6.3
May-Nov.	2.5	2.8	3.6	4.2	4.8
Dec.-Feb.	3.0	4.0	5.5	7.0	8.9
Sep.-Nov.	2.4	2.6	3.0	3.5	4.0

SCIOTO RIVER BASIN

03217500 Scioto River at La Rue, Ohio

LOCATION: Lat 40° 34' 28", long 83° 23' 15", Marion County, Hydrologic Unit 05060001, on right bank 200 ft downstream from county highway bridge at La Rue, 500 ft downstream from Cleveland, Cincinnati, Chicago, and St. Louis Railway bridge, and 3.5 mi upstream from Rush Creek.

DRAINAGE AREA: 257 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1926 to September 1935, October 1938 to September 1951.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 19.5 ft³/s
 Average streamflow: 214 ft³/s (22 years)
 Minimum daily streamflow: 2.80 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	4.6	3.1	2.6	2.3	2.1	Dec.-Feb.	1	15	6.9	4.6	3.3	2.3
	7	5.3	3.6	3.1	2.8	2.5		7	17	7.7	5.1	3.7	2.6
	30	7.3	4.7	3.9	3.4	3.0		30	50	15	8.0	4.7	2.6
	90	14	7.2	5.6	4.7	4.1		90	244	101	61	39	23
May-Nov.	1	4.6	3.1	2.6	2.3	2.1	Sep.-Nov.	1	4.8	3.1	2.7	2.4	2.2
	7	5.3	3.6	3.1	2.8	2.5		7	6.1	3.9	3.3	2.9	2.5
	30	7.5	4.8	4.0	3.5	3.0		30	10	5.4	4.2	3.4	2.8
	90	14	7.4	5.8	4.9	4.2		90	29	11	6.9	4.7	3.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	3.9	4.7	6.9	9.0	12	14	17	28	48	78	130	234	530
May-Nov.	3.7	4.2	5.8	7.1	8.4	10	12	16	22	32	53	94	221
Dec.-Feb.	4.7	6.6	10	14	18	25	35	58	89	139	225	377	921
Sep.-Nov.	3.4	3.8	4.6	5.6	6.7	8.0	8.8	11	14	17	24	48	136

SCIOTO RIVER BASIN

03218000 Little Scioto River above Marion, Ohio

LOCATION: Lat 40° 37' 43", long 83° 10' 11", in NE 1/4 sec. 7, T. 5 S., R. 15 E., Marion County, Hydrologic Unit 05060001, on left bank at downstream side of Chesapeake & Ohio Railway bridge, 1.0 mi downstream from Rock Fork, 3.5 mi northwest of Marion, and 7.2 mi upstream from Honey Creek.

DRAINAGE AREA: 72.4 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: October 1938 to September 1971

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 1.36 ft³/s
 Average streamflow: 50.2 ft³/s (33 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 23 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0	0	0	0	0	Dec.-Feb.	1	2.3	0.3	0	0	0
	7	.1	0	0	0	0		7	3.3	.4	0	0	0
	30	.2	0	0	0	0		30	10	1.0	.1	0	0
	90	1.0	.1	0	0	0		90	64	20	9.0	4.1	1.5
May-Nov.	1	0	0	0	0	0	Sep.-Nov.	1	0	0	0	0	0
	7	.1	0	0	0	0		7	.1	0	0	0	0
	30	.2	0	0	0	0		30	.3	0	0	0	0
	90	1.1	.1	0	0	0		90	3.5	.2	0	0	0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0	0.1	0.2	0.4	0.6	1.2	2	5.2	11	20	34	61	130
May-Nov.	0	0	.1	.2	.3	.5	.7	1.6	3.2	6.1	11	22	50
Dec.-Feb.	0	.1	.5	1.2	2.5	4.9	7.7	14	21	33	53	91	199
Sep.-Nov.	0	0	0	.1	.1	.1	.2	.5	.8	1.5	3.0	6.3	18

SCIOTO RIVER BASIN

03218500 Little Scioto River at Sewage Treatment Plant, near Marion, Ohio

LOCATION: Lat 40° 35' 31", long 83° 11' 04", in SW 1/4 sec. 19, T. 5 S., R. 15 E., Marion County, Hydrologic Unit 05060001, at outfall of sewage treatment plant, 300 ft downstream from Erie Railroad crossing, 2.0 mi west of Marion, and 5.0 mi upstream from Honey Creek.

DRAINAGE AREA: 85.8 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: August 1925 to December 1935, January 1938 to March 1939.

REMARKS: City of Marion pumps from well field in basin upstream from station and returns as sewage.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 3.45 ft³/s
 Average streamflow: 73.0 ft³/s (10 years)
 Minimum daily streamflow: 0.10 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	1.1	0.4	0.3	0.1	0.1	Dec.-Feb.	1	5.4	1.2	0.5	0.2	0.1
	7	1.2	.6	.4	.3	.2		7	6.1	1.5	.6	.3	.1
	30	1.6	.8	.5	.4	.3		30	16	3.1	1.2	.5	.2
	90	3.3	1.3	.8	.5	.3		90	78	22	10	4.9	2.0
May-Nov.	1	1.2	0.5	0.3	0.2	0.1	Sep.-Nov.	1	1.3	0.5	0.3	0.2	0.1
	7	1.3	.7	.5	.3	.2		7	1.4	.6	.5	.4	.3
	30	1.8	.9	.6	.5	.3		30	2.5	.9	.7	.5	.4
	90	3.6	1.5	1.0	.7	.4		90	12	2.6	1.1	.6	.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.4	0.7	1.2	1.7	2.3	3.3	4.4	8.3	16	27	46	80	189
May-Nov.	.4	.7	1.1	1.4	1.8	2.2	2.7	4.1	6.4	10	18	33	75
Dec.-Feb.	.3	.6	1.8	4.2	5.8	7.5	10	20	30	49	77	131	328
Sep.-Nov.	.3	.4	.9	1.2	1.4	1.6	1.9	2.5	3.3	5.1	12	38	85

SCIOTO RIVER BASIN

03219500 Scioto River near Prospect, Ohio

LOCATION: Lat 40° 25' 10", long 83° 11' 50", Delaware County, Hydrologic Unit 05060001, on downstream side of pier of Hoskins Bridge, 1.5 mi upstream from Ottawa Creek, 2.0 mi south of Prospect, and 2.5 mi downstream from Patton Run.

DRAINAGE AREA: 567 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1925 to September 1932, October 1939 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 54.0 ft³/s
 Average streamflow: 469 ft³/s (65 years)
 Minimum daily streamflow: 4.5 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	13	8.9	7.5	6.2	5.0	Dec.-Feb.	1	44	22	16	12	8.3
	7	15	11	9.6	8.7	8.1		7	53	26	18	13	9.3
	30	19	13	11	11	9.8		30	119	44	26	17	10
	90	31	19	16	14	13		90	555	239	130	70	34
May-Nov.	1	13	8.9	7.5	6.2	5.0	Sep.-Nov.	1	14	9.2	7.5	6.5	5.5
	7	15	11	9.6	8.7	8.1		7	16	11	9.8	9.1	8.7
	30	19	13	11	11	9.8		30	22	13	11	9.9	9.1
	90	32	19	16	14	13		90	60	22	18	16	14

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	12	15	20	24	29	37	48	82	131	207	331	582	1330
May-Nov.	11	14	17	19	22	25	29	42	62	95	151	260	587
Dec.-Feb.	16	20	28	40	53	73	93	144	215	324	500	896	1930
Sep.-Nov.	9.7	12	14	16	18	19	21	25	31	41	63	129	320

SCIOTO RIVER BASIN

03219520 Fulton Creek near Radnor, Ohio

LOCATION: Lat 40° 22' 17", long 83° 11' 20", Delaware County, Hydrologic Unit 05060001, at bridge on State Route 257, 0.2 mi upstream from mouth, 2.2 mi southwest of Radnor.

DRAINAGE AREA: 46.9 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: Low-flow measurements, 1956 and 1979-83 water years.

INDEX STATION: 03220000 Mill Creek near Bellepoint, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s August 1983.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.1	0	0	Dec.-Feb.	1	1.8	0.3	0.2
	7	.2	0	0		7	2.4	.4	.2
	30	.3	0	0		30	12	.8	.4
	90	1.1	.2	.1		90	203	19	7.8
May-Nov.	1	0.1	0	0	Sep.-Nov.	1	0.1	0	0
	7	.2	0	0		7	.2	0	0
	30	.3	0	0		30	.4	.1	0
	90	1.1	.2	.1		90	5.2	.3	.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0	0.1	0.3	0.5	0.8
May-Nov.	0	.1	.2	.3	.4
Dec.-Feb.	.3	.4	.9	1.8	2.8
Sep.-Nov.	0	0	.1	.2	.3

SCIOTO RIVER BASIN

03219590 Bokes Creek near Warrensburg, Ohio

LOCATION: Lat 40° 19' 20", long 83° 10' 30", Delaware County, Hydrologic Unit 05060001, on right bank at downstream side of bridge on State Route 257, 3.4 mi downstream from Fulton Creek, 0.7 mi upstream from Moors Run, and 1.2 mi north of Warrensburg.

DRAINAGE AREA: 83.2 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: May 1982 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 0.59 ft³/s
 Average streamflow: 71.6 ft³/s (15 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 11 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0	0	0	0	0	Dec.-Feb.	1	6.6	2.8	1.4	0	0
	7	0	0	0	0	0		7	7.5	3.3	1.8	0	0
	30	0	0	0	0	0		30	22	6.1	2.4	.9	.3
	90	1.1	0	0	0	0		90	100	40	20	9.7	3.8
May-Nov.	1	0	0	0	0	0	Sep.-Nov.	1	0	0	0	0	0
	7	0	0	0	0	0		7	0	0	0	0	0
	30	0	0	0	0	0		30	.2	0	0	0	0
	90	1.1	0	0	0	0		90	13	.8	.1	0	0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0	0	0	0.4	1.3	2.6	4.9	10	19	32	48	80	179
May-Nov.	0	0	0	0	0	.4	.9	2.5	6.0	12	23	43	105
Dec.-Feb.	.9	2.7	5.8	8.1	9.7	12	15	22	32	46	67	108	247
Sep.-Nov.	0	0	0	0	0	0	0	.3	1.1	2.4	7.0	22	63

SCIOTO RIVER BASIN

03219600 Eagon Run near Warrensburg, Ohio

LOCATION: Lat 40° 19' 35", long 83° 09' 15", in T. 5 N., R. 20 W., Delaware County, Hydrologic Unit 05060001, on right bank at Herbert Eagon farm, 0.9 mi upstream from mouth, 1.7 mi northeast of Warrensburg, and 5.0 mi northwest of Delaware.

DRAINAGE AREA: 0.123 mi².

TRIBUTARY TO: Prairie Run.

STREAMFLOW DATA USED: October 1949 to September 1962.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 0.02 ft³/s
 Average streamflow: 0.09 ft³/s (12 years)
 Minimum daily streamflow: 0 ft³/s (occured in 12 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0	0	0	0	0	Dec.-Feb.	1	0	0	0	0	0
	7	0	0	0	0	0		7	0	0	0	0	0
	30	0	0	0	0	0		30	0	0	0	0	0
	90	0	0	0	0	0		90	.1	0	0	0	0
May-Nov.	1	0	0	0	0	0	Sep.-Nov.	1	0	0	0	0	0
	7	0	0	0	0	0		7	0	0	0	0	0
	30	0	0	0	0	0		30	0	0	0	0	0
	90	0	0	0	0	0		90	0	0	0	0	0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0	0	0	0	0	0	0	0	0	0	0.1	0.1	0.2
May-Nov.	0	0	0	0	0	0	0	0	0	0	0	0	.1
Dec.-Feb.	0	0	0	0	0	0	0	0	0	.1	.1	.1	.3
Sep.-Nov.	0	0	0	0	0	0	0	0	0	0	0	0	0

SCIOTO RIVER BASIN

03219770 Mill Creek near Broadway, Ohio

LOCATION: Lat 40° 17' 21", long 83° 24' 05", Union County, Hydrologic Unit 05060001, at bridge on Cotton Slash Road, 1.0 mi upstream from Otter Run, 3.6 mi south of Broadway.

DRAINAGE AREA: 66.1 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: Low-flow measurements, 1978 and 1980-83 water years.

INDEX STATION: 03220000 Mill Creek near Bellepoint, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.2 ft³/s August 1983.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.6	0.1	0	Dec.-Feb.	1	4.4	1.3	0.9
	7	.9	.2	.1		7	5.3	1.5	1.1
	30	1.3	.4	.2		30	16	2.5	1.4
	90	3.1	.8	.6		90	103	21	11
May-Nov.	1	0.6	0.1	0	Sep.-Nov.	1	0.7	0.1	0
	7	.9	.2	.1		7	1.1	.2	.1
	30	1.3	.4	.2		30	1.7	.4	.3
	90	3.2	.8	.6		90	8.8	1.3	.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.4	0.8	1.4	1.9	2.5
May-Nov.	.3	.5	.9	1.3	1.6
Dec.-Feb.	1.2	1.6	2.8	4.3	5.9
Sep.-Nov.	.2	.3	.6	.9	1.2

SCIOTO RIVER BASIN

03220000 Mill Creek near Bellepoint, Ohio

LOCATION: Lat 40° 14' 54", long 83° 10' 26", Delaware County, Hydrologic Unit 05060001, on left bank at upstream side of county road bridge, 1.2 mi west of Bellepoint, 1.5 mi upstream from mouth, and 2.3 mi downstream from Blues Creek.

DRAINAGE AREA: 178 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: October 1943 to September 1997.

REMARKS: Diurnal fluctuation caused by stone quarry upstream from station.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 8.53 ft³/s
 Average streamflow: 161 ft³/s (54 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 1 year)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	1.9	0.6	0.3	0.1	0	Dec.-Feb.	1	12	5.8	3.9	2.7	1.8
	7	2.7	1.1	.6	.3	.2		7	14	6.8	4.5	3.2	2.1
	30	3.9	1.8	1.2	.8	.6		30	39	13	7.1	4.3	2.4
	90	8.7	3.9	2.5	1.8	1.3		90	223	93	51	29	14
May-Nov.	1	1.9	0.6	0.3	0.1	0	Sep.-Nov.	1	2.1	0.7	0.4	0.2	0
	7	2.7	1.1	.6	.3	.2		7	3.2	1.2	.7	.4	.2
	30	3.9	1.8	1.2	.8	.6		30	5.0	2.1	1.4	1.0	.7
	90	8.9	3.9	2.6	1.8	1.3		90	23	7.2	3.9	2.4	1.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	1.2	2.4	4.1	5.5	7.0	9.0	12	19	29	48	78	146	372
May-Nov.	.9	1.5	2.8	3.8	4.8	5.9	6.9	9.6	14	20	31	55	143
Dec.-Feb.	3.6	4.8	7.9	12	16	20	24	38	57	83	132	243	642
Sep.-Nov.	.7	1.0	1.8	2.8	3.6	4.3	5.1	6.7	8.3	12	17	29	73

SCIOTO RIVER BASIN

03221000 Scioto River below O'Shaughnessy Dam, near Dublin, Ohio

LOCATION: Lat 40° 08' 36", long 83° 07' 14", Delaware County, Hydrologic Unit 05060001, on left bank, 0.2 mi north of county line, 0.8 mi downstream from O'Shaughnessy Dam, and 3.0 mi north of Dublin.

DRAINAGE AREA: 980 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1924 to September 1997.

REMARKS: Flow regulated since 1924 by O'Shaughnessy Reservoir, 0.8 mi upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 78.5 ft³/s
 Average streamflow: 820 ft³/s (73 years)
 Minimum daily streamflow: 0.4 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	13	5.1	3.0	1.9	1.1	Dec.-Feb.	1	53	16	7.7	4.0	1.8
	7	22	8.9	5.1	2.9	1.4		7	77	25	12	5.5	2.1
	30	44	31	21	15	10		30	203	68	37	22	12
	90	68	42	35	30	27		90	1020	430	185	78	29
May-Nov.	1	14	5.6	3.2	2.0	1.1	Sep.-Nov.	1	17	6.2	3.5	2.0	1.1
	7	25	11	6.1	3.3	1.5		7	27	11	6.4	3.5	1.5
	30	45	34	32	25	17		30	46	38	33	25	17
	90	72	47	40	36	33		90	110	55	50	45	40

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	16	31	43	52	60	71	83	122	206	329	547	982	2320
May-Nov.	14	28	38	45	52	58	65	78	102	145	239	407	967
Dec.-Feb.	13	28	47	61	78	103	141	235	352	541	884	1610	3510
Sep.-Nov.	7.8	18	29	35	40	46	51	59	67	80	99	172	450

SCIOTO RIVER BASIN

03222500 Olentangy River near New Winchester, Ohio

LOCATION: Lat 40° 44' 50", long 82° 54' 20", Crawford County, Hydrologic Unit 05060001, in SE 1/4 sec. 28, T. 3 S., R. 17 E., at bridge on State Route 100, 2.2 mi north of New Winchester, and 5.5 mi southeast of Bucyrus.

DRAINAGE AREA: 49.7 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: Continuous streamflow record October 1946 to September 1949.

INDEX STATION: 03223000 Olentangy River at Claridon, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.2 ft³/s October 1946.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.0	0.1	0	Dec.-Feb.	1	4.7	1.6	1.0
	7	1.2	.2	.1		7	5.7	2.0	1.2
	30	2.1	.4	.2		30	12	3.2	1.9
	90	3.5	1.1	.8		90	44	17	9.2
May-Nov.	1	1.0	0.1	0	Sep.-Nov.	1	1.1	0.1	0
	7	1.2	.2	.1		7	1.3	.2	.1
	30	2.1	.4	.2		30	2.6	.5	.3
	90	3.5	1.1	.8		90	7.6	1.6	1.0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.5	1.1	1.7	2.3	3.0
May-Nov.	.4	.7	1.2	1.7	2.0
Dec.-Feb.	1.6	2.6	3.8	5.2	6.7
Sep.-Nov.	.2	.4	.8	1.2	1.5

SCIOTO RIVER BASIN

03222700 Mud Run near Caledonia, Ohio

LOCATION: Lat 40° 41' 20", long 82° 57' 45", Marion County, Hydrologic Unit 05060001, at bridge on Morral-Kirkpatrick Road, 2.6 mi upstream from mouth, 3.5 mi north of Caledonia.

DRAINAGE AREA: 16.1 mi².

TRIBUTARY TO: Olentangy River.

STREAMFLOW DATA USED: Low-flow measurements, 1978 and 1980-83 water years.

INDEX STATION: 03223000 Olentangy River at Claridon, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.4 ft³/s August 1983.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.3	0	0	Dec.-Feb.	1	1.3	0.5	0.3
	7	.4	.1	0		7	1.6	.6	.4
	30	.6	.1	.1		30	3.1	.9	.6
	90	1.0	.3	.2		90	11	4.2	2.4
May-Nov.	1	0.3	0	0	Sep.-Nov.	1	0.3	0	0
	7	.4	.1	0		7	.4	.1	0
	30	.6	.1	.1		30	.8	.2	.1
	90	1.0	.3	.2		90	2.0	.5	.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.2	0.3	0.5	0.7	0.8
May-Nov.	.1	.2	.4	.5	.6
Dec.-Feb.	.5	.7	1.1	1.4	1.8
Sep.-Nov.	.1	.1	.3	.4	.4

SCIOTO RIVER BASIN

03222800 Flat Run near Caledonia, Ohio

LOCATION: Lat 40° 37' 51", long 82° 56' 53", Morrow County, Hydrologic Unit 05060001, at bridge on Marion Johnsville Road, 0.9 mi upstream from mouth, 1.2 mi southeast of Caledonia.

DRAINAGE AREA: 29.9 mi².

TRIBUTARY TO: Olentangy River.

STREAMFLOW DATA USED: Low-flow measurements, 1978 and 1980-83 water years.

INDEX STATION: 03223000 Olentangy River at Claridon, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.6 ft³/s August 1978.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.4	0	0	Dec.-Feb.	1	2.4	0.6	0.4
	7	.4	0	0		7	3.0	.8	.5
	30	.9	.1	0		30	7.4	1.5	.8
	90	1.7	.4	.3		90	36	11	5.4
May-Nov.	1	0.4	0	0	Sep.-Nov.	1	0.4	0	0
	7	.4	0	0		7	.5	.1	0
	30	.9	.1	0		30	1.2	.2	.1
	90	1.7	.4	.3		90	4.3	.7	.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.2	0.4	0.7	1.0	1.4
May-Nov.	.1	.3	.5	.7	.9
Dec.-Feb.	.7	1.2	1.9	2.7	3.7
Sep.-Nov.	0	.1	.3	.4	.6

SCIOTO RIVER BASIN

03223000 Olentangy River at Claridon, Ohio

LOCATION: Lat 40° 34' 58", long 82° 59' 20", in NW 1/4 sec. 26, T. 5 S., R. 16 E., Marion County, Hydrologic Unit 05060001, on left bank 900 ft downstream from bridge on State Route 95, 0.5 mi east of Claridon, 0.8 mi downstream from Otter Creek, and 1.4 mi upstream from Beaver Run.

DRAINAGE AREA: 157 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: October 1946 to September 1997

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 8.55 ft³/s
 Average streamflow: 158 ft³/s (51 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 2 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	2.3	0.6	0.2	0	0	Dec.-Feb.	1	15	6.8	4.0	2.4	1.2
	7	2.8	.8	.3	.1	0		7	20	8.5	5.2	3.0	1.4
	30	5.7	1.7	.7	.3	.1		30	48	17	9.8	5.2	2.3
	90	11	4.2	2.6	1.8	1.2		90	240	117	72	35	12
May-Nov.	1	2.3	0.6	0.2	0	0	Sep.-Nov.	1	2.6	0.6	0.2	0	0
	7	2.8	.8	.3	.1	0		7	3.2	.9	.4	.1	0
	30	5.6	1.6	.7	.3	.1		30	7.5	2.0	1.0	.5	.3
	90	11	4.2	2.6	1.8	1.2		90	28	8.3	4.3	2.4	1.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	1.1	2.6	4.5	6.4	8.7	12	16	27	44	67	104	182	412
May-Nov.	.7	1.6	3.0	4.3	5.5	6.8	8.2	13	19	29	47	82	184
Dec.-Feb.	4.2	7.3	12	17	24	31	38	55	75	107	160	283	674
Sep.-Nov.	.3	.8	1.9	2.8	3.7	4.5	5.3	7.2	10	15	24	46	124

SCIOTO RIVER BASIN

03223500 Whetstone Creek near Shawtown, Ohio

LOCATION: Lat 40° 28' 30", long 82° 56' 40", Morrow County, Hydrologic Unit 05060001, in T. 7 N., R. 18 W., at highway bridge 1.2 mi southeast of Shawtown, 1.5 mi upstream from Shaw Creek, and 3.5 mi southwest of Cardington.

DRAINAGE AREA: 61.7 mi².

TRIBUTARY TO: Olentangy River.

STREAMFLOW DATA USED: Continuous streamflow record, October 1946 to September 1955.

INDEX STATION: 03223000 Olentangy River at Claridon, Ohio.

REMARKS: Low-flow effected Candlewood Lake beginning 1974.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s September 1954.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.6	0.2	0	Dec.-Feb.	1	8.0	2.6	1.7
	7	1.9	.3	.1		7	9.8	3.2	2.2
	30	3.4	.6	.3		30	21	5.4	3.2
	90	5.8	1.8	1.3		90	80	29	16
May-Nov.	1	1.6	0.2	0	Sep.-Nov.	1	1.8	0.2	0
	7	1.9	.3	.1		7	2.2	.3	.1
	30	3.4	.6	.3		30	4.4	.8	.4
	90	5.9	1.8	1.3		90	13	2.7	1.7

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.9	1.8	2.8	3.8	4.9
May-Nov.	.6	1.2	2.0	2.7	3.4
Dec.-Feb.	2.7	4.3	6.4	8.8	11
Sep.-Nov.	.3	.7	1.4	1.9	2.4

SCIOTO RIVER BASIN

03224000 Shaw Creek at Shawtown, Ohio

LOCATION: Lat 40° 29' 00", long 82° 57' 25", Morrow County, Hydrologic Unit 05060001, in T. 7 N., R. 18 W., at highway bridge 0.5 mi east of Shawtown, 1.5 mi upstream from mouth, and 3.5 mi southwest of Cardington.

DRAINAGE AREA: 25.2 mi².

TRIBUTARY TO: Whetstone Creek.

STREAMFLOW DATA USED: Continuous streamflow record, October 1946 to September 1955.

INDEX STATION: 03223000 Olentangy River at Claridon, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s September 1954.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.5	0.1	0	Dec.-Feb.	1	3.0	0.9	0.5
	7	.6	.1	0		7	3.7	1.1	.7
	30	1.2	.2	.1		30	8.4	2.0	1.1
	90	2.1	.6	.4		90	37	12	6.3
May-Nov.	1	0.5	0.1	0	Sep.-Nov.	1	0.6	0.1	0
	7	.6	.1	0		7	.7	.1	0
	30	1.2	.2	.1		30	1.5	.2	.1
	90	2.1	.6	.4		90	5.1	.9	.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.3	0.6	1.0	1.3	1.8
May-Nov.	.2	.4	.7	.9	1.2
Dec.-Feb.	.9	1.5	2.3	3.3	4.4
Sep.-Nov.	.1	.2	.4	.6	.8

SCIOTO RIVER BASIN

03224500 Whetstone Creek near Ashley, Ohio

LOCATION: Lat 40° 27' 18", long 82° 57' 28", in NW 1/4 sec. 19, T. 7 N., R. 18 W., Morrow County, Hydrologic Unit 05060001, on left bank 400 ft upstream from unnamed right bank tributary, 800 ft upstream from bridge on State Route 746, 0.6 mi downstream from Shaw Creek, and 3.2 mi north of Ashley.

DRAINAGE AREA: 98.7 mi².

TRIBUTARY TO: Olentangy River.

STREAMFLOW DATA USED: October 1954 to September 1974.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 7.87 ft³/s
 Average streamflow: 97.9 ft³/s (20 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 1 year)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	1.9	0.5	0.2	0	0	Dec.-Feb.	1	12	5.9	4.1	3.0	2.1
	7	2.5	.6	.2	0	0		7	15	7.3	4.9	3.4	2.2
	30	3.7	1.2	.6	.4	.2		30	31	13	7.5	4.8	2.8
	90	8.3	3.7	2.6	1.9	1.5		90	137	65	37	20	9.4
May-Nov.	1	1.9	0.5	0.2	0	0	Sep.-Nov.	1	2.3	0.6	0.2	0	0
	7	2.5	.6	.2	0	0		7	3.0	.8	.3	0	0
	30	3.7	1.2	.6	.4	.2		30	5.1	1.9	1.1	.8	.5
	90	8.3	3.7	2.6	1.9	1.5		90	20	7.1	4.0	2.4	1.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	1.2	2.3	3.7	5.2	6.9	9.1	12	19	29	44	66	107	221
May-Nov.	.7	1.6	2.6	3.5	4.5	5.4	6.5	9.6	14	21	33	55	115
Dec.-Feb.	3.8	6.5	9.3	12	16	20	23	32	43	57	83	141	315
Sep.-Nov.	.3	1.0	2.0	2.7	3.3	4.1	4.9	6.2	8.3	12	18	31	69

SCIOTO RIVER BASIN

03225500 Olentangy River near Delaware, Ohio

LOCATION: Lat 40° 21' 18", long 83° 04' 02", in NE 1/4 sec., T. 5 N., R. 19 W., Delaware County, Hydrologic Unit 05060001, on left bank 500 ft upstream from highway bridge, 1,000 ft downstream from Delaware Dam, 1,300 ft upstream from Norfolk and Western Railway bridge, and 4.0 mi north of Delaware.

DRAINAGE AREA: 393 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: October 1950 to September 1997.

REMARKS: Flow completely regulated by Delaware Lake since 1951.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 43.3 ft³/s
 Average streamflow: 367 ft³/s (47 years)
 Minimum daily streamflow: 1.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	9.2	5.0	3.5	2.5	1.7	Dec.-Feb.	1	31	14	8.8	5.9	3.6
	7	13	7.6	5.7	4.4	3.3		7	48	22	14	8.9	5.4
	30	19	12	10	8.9	7.9		30	116	43	25	15	8.8
	90	35	19	15	12	10		90	529	244	138	79	38
May-Nov.	1	12	7.1	5.2	3.9	2.7	Sep.-Nov.	1	16	9.4	6.8	5.0	3.4
	7	15	9.4	7.2	5.7	4.3		7	17	12	9.4	8.0	6.6
	30	19	13	11	9.3	8.3		30	21	14	12	11	9.8
	90	36	20	16	14	12		90	85	38	26	19	13

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	8.9	13	19	21	25	30	37	53	94	147	242	421	1040
May-Nov.	9.0	12	17	19	22	24	26	35	45	66	118	206	471
Dec.-Feb.	11	18	25	41	54	70	87	124	178	250	388	726	1680
Sep.-Nov.	9.6	12	15	17	19	20	21	23	26	37	69	140	315

SCIOTO RIVER BASIN

03226800 Olentangy River near Worthington, Ohio

LOCATION: Lat 40° 06' 37", long 83° 01' 55", in NW 1/4 sec., T. 2 N., R. 18 W., Franklin County, Hydrologic Unit 05060001, on left bank 350 ft downstream from Interstate Highway 270 bridge, 1.5 mi northwest of Worthington, and 2.8 mi upstream from Rush Run.

DRAINAGE AREA: 497 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: October 1955 to September 1997.

REMARKS: Flow regulated by Delaware Lake 21 mi upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 65.3 ft³/s
 Average streamflow: 459 ft³/s (30 years)
 Minimum daily streamflow: 6.5 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	15	11	9.1	8.2	7.3	Dec.-Feb.	1	51	28	20	15	11
	7	18	13	11	10	9.3		7	66	32	22	16	11
	30	25	16	14	12	11		30	167	62	35	21	12
	90	49	29	23	19	16		90	661	333	199	119	61
May-Nov.	1	15	11	9.1	8.0	7.0	Sep.-Nov.	1	17	12	9.7	8.4	7.2
	7	18	13	11	10	9.1		7	19	14	12	11	9.9
	30	26	17	14	13	12		30	27	17	15	14	13
	90	52	30	23	20	16		90	103	49	34	26	19

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	14	19	26	32	39	46	55	85	144	211	329	581	1310
May-Nov.	13	17	23	27	32	36	40	51	69	105	172	286	630
Dec.-Feb.	16	24	42	60	76	94	117	172	235	326	505	901	1800
Sep.-Nov.	12	14	18	21	24	26	29	34	44	67	123	205	422

SCIOTO RIVER BASIN

03227500 Scioto River at Columbus, Ohio

LOCATION: Lat 39° 54' 34", long 83° 00' 33", Franklin County, Hydrologic Unit 05060001, on right bank at sewage-treatment plant of city of Columbus, 0.4 mi downstream from bridge on Frank Road, 2.8 mi upstream from Scioto Big Run, and 5.0 mi downstream from Olentangy River.

DRAINAGE AREA: 1,629 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1950 to September 1997.

REMARKS: Flow regulated by Griggs Reservoir 10.4 mi upstream, O'Shaughnessy Reservoir 20.4 mi upstream, and Delaware Lake 35 mi upstream from station. Records include sewage return flow from Frank Road Treatment Plant. Shadeville Treatment Plant flow enters downstream. Water supply for city of Columbus is obtained from Scioto River downstream from Griggs Dam, Big Walnut Creek downstream from Central College, and from well field in Alum Creek Basin.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 357 ft³/s
 Average streamflow: 1,490 ft³/s (46 years)
 Minimum daily streamflow: 68.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	126	100	88	79	70	Dec.-Feb.	1	222	140	110	90	72
	7	142	112	99	90	80		7	256	154	121	100	81
	30	165	125	112	104	98		30	485	226	154	113	81
	90	237	156	130	114	100		90	1850	864	520	321	175
May-Nov.	1	127	102	90	81	72	Sep.-Nov.	1	128	102	91	83	76
	7	145	114	101	91	81		7	143	113	103	96	90
	30	169	128	115	107	100		30	173	127	115	109	104
	90	242	160	133	116	102		90	360	194	147	119	105

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	107	127	149	172	197	225	258	367	525	768	1150	1950	4240
May-Nov.	104	121	140	154	168	183	199	240	313	428	618	970	2020
Dec.-Feb.	100	129	171	227	275	332	396	573	790	1120	1710	3040	5960
Sep.-Nov.	97	109	124	136	145	155	164	185	212	254	358	553	1060

SCIOTO RIVER BASIN

03228000 Scioto Big Run at Briggsdale, Ohio

LOCATION: Lat 39° 54' 55", long 83° 03' 55", Franklin County, Hydrologic Unit 05060001, on right bank at downstream side of bridge on U.S. Highway 62 at Briggsdale, 2.8 mi northeast of Grove City, and 4.0 mi upstream from mouth.

DRAINAGE AREA: 11.0 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: October 1946 to September 1958.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 0.49 ft³/s
 Average streamflow: 10.7 ft³/s (12 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 12 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0	0	0	0	0	Dec.-Feb.	1	0.2	0	0	0	0
	7	0	0	0	0	0		7	.4	0	0	0	0
	30	0	0	0	0	0		30	2.0	.2	0	0	0
	90	0	0	0	0	0		90	18	5.9	2.7	1.2	.4
May-Nov.	1	0	0	0	0	0	Sep.-Nov.	1	0	0	0	0	0
	7	0	0	0	0	0		7	0	0	0	0	0
	30	0	0	0	0	0		30	0	0	0	0	0
	90	0	0	0	0	0		90	.4	0	0	0	0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0	0	0	0.1	0.1	0.1	0.1	0.4	1.2	2.6	5.2	9.9	24
May-Nov.	0	0	0	0	0	.1	.1	.1	.1	.4	1.0	2.2	5.6
Dec.-Feb.	0	.1	.1	.3	.5	.8	1.3	2.4	4.6	8.2	14	24	47
Sep.-Nov.	0	0	0	0	0	0	.1	.1	.1	.1	.2	.8	3.1

SCIOTO RIVER BASIN

03228200 Big Walnut Creek above Sunbury, Ohio

LOCATION: Lat 40° 15' 04", long 82° 50' 46", Delaware County, Hydrologic Unit 05060001, at U.S. Highway 36 bridge at north edge of Sunbury, 0.5 mi downstream from Perfect Creek.

DRAINAGE AREA: 77.8 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: Low-flow measurements, 1972-77 water years.

INDEX STATION: 03220000 Mill Creek near Bellepoint, Ohio.

REMARKS: No known regulation or diversion upstream from station. From 400,000 to 500,000 gal/d are pumped through Sunbury water supply and intake pumps at dam; can pump a maximum of 1,550 gal/min of water directly from Big Walnut Creek.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.0 ft³/s August 1974.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.1	0	0	Dec.-Feb.	1	0.7	0.1	0
	7	.1	0	0		7	1.1	.1	0
	30	.2	0	0		30	9.3	.2	.1
	90	.6	.1	.1		90	299	9.6	2.4
May-Nov.	1	0.1	0	0	Sep.-Nov.	1	.1	0	0
	7	.1	0	0		7	.1	0	0
	30	.2	.1	0		30	.2	0	0
	90	.6	.1	.1		90	3.3	.2	.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0	0.1	0.2	0.3	0.4
May-Nov.	0	.1	.1	.2	.2
Dec.-Feb.	.1	.1	.3	.7	1.4
Sep.-Nov.	0	0	.1	.1	.1

SCIOTO RIVER BASIN

03228500 Big Walnut Creek at Central College, Ohio

LOCATION: Lat 40° 06' 13", long 82° 53' 03", T. 2 N., R. 17 W., Franklin County, Hydrologic Unit 05060001, on right bank at upstream side of county road bridge, 0.2 mi east of Central College, 0.4 mi downstream from Hoover Dam, and 3.0 mi southeast of Westerville.

DRAINAGE AREA: 190 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: October 1955 to September 1997.

REMARKS: Flow completely regulated by Hoover Reservoir since 1954.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 25.7 ft³/s
 Average streamflow: 202 ft³/s (42 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 1 year)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	72	54	45	39	32	Dec.-Feb.	1	78	56	46	38	30
	7	83	63	52	44	36		7	86	62	51	42	34
	30	90	67	56	48	39		30	94	67	56	49	42
	90	97	73	62	53	44		90	175	104	78	61	46
May-Nov.	1	76	59	50	43	36	Sep.-Nov.	1	78	60	51	44	37
	7	89	67	55	47	38		7	90	67	56	47	38
	30	96	72	60	51	41		30	97	71	60	52	43
	90	104	79	67	57	48		90	102	76	67	61	56

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	48	58	68	75	84	93	99	110	120	131	149	183	314
May-Nov.	50	59	68	74	81	89	96	109	119	129	142	162	206
Dec.-Feb.	38	49	59	67	74	83	93	101	109	120	131	174	343
Sep.-Nov.	45	52	60	66	70	77	84	98	108	116	123	136	157

SCIOTO RIVER BASIN

03228690 Blacklick Creek near Brice, Ohio

LOCATION: Lat 39° 54' 18", long 82° 50' 01", Franklin County, Hydrologic Unit 05060001, at bridge on Brice Road, 0.9 mi south of Brice.

DRAINAGE AREA: 51.6 mi².

TRIBUTARY TO: Big Walnut Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1979-83 water years.

INDEX STATION: 03146500 Licking River at Newark, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 5.0 ft³/s August 1983.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	5.0	3.7	3.5	Dec.-Feb.	1	8.5	4.6	3.8
	7	5.3	3.9	3.6		7	9.6	5.0	4.1
	30	5.9	4.2	3.9		30	17	6.4	4.7
	90	8.0	4.9	4.4		90	44	17	11
May-Nov.	1	5.1	3.7	3.4	Sep.-Nov.	1	5.1	3.7	3.4
	7	5.4	3.9	3.6		7	5.4	4.0	3.7
	30	5.9	4.2	3.8		30	6.4	4.2	3.9
	90	8.2	4.9	4.4		90	13	5.8	4.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	4.2	4.8	5.7	6.5	7.5
May-Nov.	4.0	4.6	5.2	5.8	6.3
Dec.-Feb.	4.2	5.1	6.5	8.5	10
Sep.-Nov.	3.8	4.1	4.5	4.9	5.2

SCIOTO RIVER BASIN

03228700 Blacklick Creek near Groveport, Ohio

LOCATION: Lat 39° 53' 25", long 82° 51' 50", Franklin County, Hydrologic Unit 05060001, at bridge on old U.S. Highway 33 (Winchester Pike), 2.0 mi upstream from mouth, and 2.5 mi northeast of Groveport.

DRAINAGE AREA: 57.4 mi².

TRIBUTARY TO: Big Walnut Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1950, 1961-67, 1969, 1971, and 1972 water years.

INDEX STATION: 03146500 Licking River at Newark, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.8 ft³/s October 1963.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	2.2	1.0	0.8	Dec.-Feb.	1	9.8	1.7	1.0
	7	2.6	1.1	.9		7	14	2.2	1.3
	30	3.6	1.4	1.1		30	68	4.4	1.9
	90	8.3	2.1	1.5		90	941	70	19
May-Nov.	1	2.3	1.0	0.8	Sep.-Nov.	1	2.4	1.0	0.7
	7	2.7	1.1	.9		7	2.8	1.2	.9
	30	3.6	1.4	1.0		30	4.4	1.4	1.1
	90	8.7	2.1	1.5		90	31	3.4	1.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.4	2.0	3.2	4.6	6.8
May-Nov.	1.2	1.8	2.5	3.3	4.3
Dec.-Feb.	1.4	2.4	4.6	9.7	16
Sep.-Nov.	1.0	1.3	1.7	2.1	2.5

SCIOTO RIVER BASIN

03228805 Alum Creek at Africa, Ohio

LOCATION: Lat 40° 10' 56", long 82° 57' 42", in SE 1/4 sec. 1, T. 3 N., R. 18 W., Delaware County, Hydrologic Unit 05060001, on right bank 400 ft upstream of bridge on Lewis Center Road, 1,200 ft downstream from outlet of Alum Creek Dam, 0.3 mi west of Africa, 2.8 mi upstream from Westerville Reservoir outlet, and 4.2 mi northwest of Westerville.

DRAINAGE AREA: 122 mi².

TRIBUTARY TO: Big Walnut Creek.

STREAMFLOW DATA USED: October 1973 to September 1997.

REMARKS: Flow regulated by Alum Creek Lake since August 1973.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 12.2 ft³/s
 Average streamflow: 111 ft³/s (24 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 1 year)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	4.0	1.6	0.8	0.5	0.3	Dec.-Feb.	1	11	4.9	3.4	2.5	1.7
	7	4.9	2.7	2.0	1.5	1.1		7	14	6.6	4.3	3.1	2.0
	30	6.4	3.7	2.7	2.1	1.6		30	26	8.9	5.0	3.5	2.5
	90	8.3	5.0	4.1	3.6	3.2		90	163	75	42	23	11
May-Nov.	1	4.0	1.7	1.0	0.5	0.3	Sep.-Nov.	1	6.2	3.5	2.4	1.7	1.1
	7	5.3	3.1	2.2	1.7	1.3		7	7.2	4.4	3.3	2.6	1.9
	30	6.7	4.3	3.4	2.8	2.3		30	8.6	5.1	4.4	4.0	3.8
	90	10	5.4	4.2	3.6	3.1		90	54	21	12	7.3	4.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	3.0	4.0	5.5	6.6	7.6	8.5	9.9	13	18	34	69	152	326
May-Nov.	2.9	3.6	5.1	6.2	7.0	7.8	8.6	11	13	18	37	85	198
Dec.-Feb.	1.9	5.1	7.0	8.6	12	15	20	30	47	81	174	243	457
Sep.-Nov.	2.9	3.9	5.6	6.7	7.2	7.8	8.3	9.9	14	20	52	96	184

SCIOTO RIVER BASIN

03229000 Alum Creek at Columbus, Ohio

LOCATION: Lat 39° 56' 42", long 82° 56' 28", in NW 1/4 sec. 24, T. 5 N., R. 22 W., Franklin County, Hydrologic Unit 05060001, on left bank 0.2 mi downstream from Livingston Avenue bridge in Columbus, and 6.0 mi upstream from mouth.

DRAINAGE AREA: 189 mi².

TRIBUTARY TO: Big Walnut Creek.

STREAMFLOW DATA USED: October 1973 to September 1997.

REMARKS: Flow regulated by Alum Creek Lake 19 mi upstream, since Aug. 1973.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 36.4 ft³/s
 Average streamflow: 198 ft³/s (24 years)
 Minimum daily streamflow: 1.5 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	9.4	5.4	3.6	2.4	1.4	Dec.-Feb.	1	21	12	10	8.8	7.7
	7	11	6.7	5.0	3.9	2.8		7	23	13	11	9.1	7.9
	30	18	13	11	10	8.9		30	55	29	22	18	14
	90	37	23	18	15	12		90	263	160	113	80	52
May-Nov.	1	9.9	5.4	3.5	2.4	1.4	Sep.-Nov.	1	11	6.9	5.2	4.1	3.1
	7	11	6.7	5.0	3.9	2.8		7	14	8.9	7.0	5.8	4.7
	30	18	13	11	10	9.2		30	27	16	14	12	11
	90	42	23	18	15	12		90	99	57	44	36	29

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	8.0	12	16	19	23	27	32	46	66	99	164	286	560
May-Nov.	6.9	9.5	13	16	18	21	24	31	44	66	105	183	405
Dec.-Feb.	13	16	22	28	36	44	53	70	103	173	264	415	724
Sep.-Nov.	7.5	10	13	16	18	20	23	31	44	67	99	164	295

SCIOTO RIVER BASIN

03229500 Big Walnut Creek at Reese, Ohio

LOCATION: Lat 39° 51' 24", long 82° 57' 26", in NE 1/4 sec. 26, T. 4 N., R. 22 W., Franklin County, Hydrologic Unit 05060001, on right bank at downstream side of bridge on Reese Road, 0.5 mi southwest of Reese, 4.2 mi downstream from Alum Creek, and 10.5 mi upstream from mouth.

DRAINAGE AREA: 544 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: October 1973 to September 1997.

REMARKS: Flow regulated by Hoover Reservoir 26 mi upstream and Alum Creek Lake 30 mi upstream since August 1973. Beginning June 15, 1956, diversion at Morse Road Treatment Plant, 21 mi upstream from station, for municipal water supply for the city of Columbus.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 134 ft³/s
 Average streamflow: 492 ft³/s (24 years)
 Minimum daily streamflow: 22.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	37	29	25	23	20	Dec.-Feb.	1	74	49	41	36	32
	7	43	33	29	26	23		7	82	52	43	37	32
	30	65	49	43	39	35		30	158	89	68	56	45
	90	116	79	66	57	48		90	588	370	278	214	155
May-Nov.	1	37	29	25	23	20	Sep.-Nov.	1	41	32	28	26	24
	7	44	34	29	26	23		7	50	36	31	28	26
	30	65	50	44	41	38		30	82	54	46	41	37
	90	126	82	66	56	47		90	210	126	100	83	68

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	36	46	58	69	80	93	107	142	195	274	425	685	1280
May-Nov.	34	40	50	58	66	74	83	105	137	183	268	455	884
Dec.-Feb.	48	63	76	94	109	127	153	209	277	399	611	918	1590
Sep.-Nov.	32	37	45	52	60	67	75	95	120	160	216	356	658

SCIOTO RIVER BASIN

03229750 Walnut Creek near Carroll, Ohio

LOCATION: Lat 39° 49' 07", long 82° 40' 30", Fairfield County, Hydrologic Unit 05060001, at bridge on Havensport Road, 0.6 mi north of Havensport, 0.8 mi upstream from Poplar Creek, 2.0 mi northeast of Carroll.

DRAINAGE AREA: 69.2 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: Low-flow measurements, 1978 and 1980-82 water years.

INDEX STATION: 03146500 Licking River at Newark, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 3.4 ft³/s October 1981.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	3.1	2.2	2.0	Dec.-Feb.	1	5.6	2.8	2.3
	7	3.3	2.3	2.2		7	6.4	3.1	2.5
	30	3.7	2.5	2.3		30	12	4.0	2.9
	90	5.2	3.0	2.6		90	34	12	7.2
May-Nov.	1	3.1	2.2	2.0	Sep.-Nov.	1	3.2	2.2	2.0
	7	3.3	2.4	2.2		7	3.4	2.4	2.2
	30	3.7	2.6	2.3		30	4.0	2.6	2.3
	90	5.3	3.0	2.6		90	8.9	3.6	2.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	2.5	3.0	3.6	4.1	4.8
May-Nov.	2.4	2.8	3.2	3.6	4.0
Dec.-Feb.	2.6	3.2	4.1	5.6	6.8
Sep.-Nov.	2.2	2.5	2.8	3.0	3.2

SCIOTO RIVER BASIN

03229770 Walnut Creek near Groveport, Ohio

LOCATION: Lat 39° 47' 56", long 82° 53' 55", Franklin County, Hydrologic Unit 05060001, at bridge on London-Lancaster Road, on Franklin-Pickaway County line, 3.7 mi south of Groveport.

DRAINAGE AREA: 198 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: Low-flow measurements, 1980-83 water years.

INDEX STATION: 03157500 Hocking River at Enterprise, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 9.9 ft³/s August 1983.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	17	11	10	Dec.-Feb.	1	32	17	14
	7	18	12	11		7	35	18	15
	30	21	14	12		30	61	26	20
	90	28	17	15		90	137	63	48
May-Nov.	1	17	11	10	Sep.-Nov.	1	17	12	11
	7	18	12	11		7	19	12	11
	30	21	14	13		30	23	14	13
	90	30	17	15		90	39	19	16

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	14	16	20	23	26
May-Nov.	13	15	17	20	21
Dec.-Feb.	17	21	28	34	40
Sep.-Nov.	12	14	16	17	19

SCIOTO RIVER BASIN

03229800 Walnut Creek near Ashville, Ohio

LOCATION: Lat 39° 40' 56", long 82° 58' 30", Pickaway County, Hydrologic Unit 05060001, at bridge on old U.S. Highway 23, 2.5 mi southeast of South Bloomfield, and 2.5 mi southwest of Ashville.

DRAINAGE AREA: 285 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: Low-flow measurements, 1952, 1954, and 1961-73 water years.

INDEX STATION: 03157500 Hocking River at Enterprise, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 11 ft³/s October 1953.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	23	13	11	Dec.-Feb.	1	56	22	17
	7	25	14	12		7	66	25	19
	30	32	17	15		30	141	43	30
	90	47	23	19		90	442	148	100
May-Nov.	1	23	13	11	Sep.-Nov.	1	24	13	12
	7	25	14	12		7	27	15	13
	30	32	17	15		30	35	18	15
	90	51	23	19		90	76	27	21

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	17	22	29	35	42
May-Nov.	16	20	24	28	32
Dec.-Feb.	24	32	46	63	79
Sep.-Nov.	14	17	21	24	26

SCIOTO RIVER BASIN

03230200 Big Darby Creek at Plain City, Ohio

LOCATION: Lat 40° 06' 25", long 83° 15' 20", Union County, Hydrologic Unit 05060001, at bridge on State Route 161 at Plain City.

DRAINAGE AREA: 151 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: Low-flow measurements, 1950 and 1961-70 water years.

INDEX STATION: 03230500 Big Darby Creek at Darbyville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.2 ft³/s October 1963.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	2.6	0.6	0.3	Dec.-Feb.	1	13	3.5	2.4
	7	3.0	.7	.4		7	15	3.7	2.5
	30	4.1	1.2	.7		30	34	6.0	3.6
	90	6.8	2.1	1.5		90	177	28	14
May-Nov.	1	2.6	0.6	0.3	Sep.-Nov.	1	2.9	0.6	0.3
	7	3.0	.7	.4		7	3.2	.8	.4
	30	4.2	1.2	.8		30	4.6	1.2	.8
	90	7.2	2.1	1.5		90	14	2.7	1.7

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.5	2.5	3.9	5.5	7.1
May-Nov.	1.0	1.9	2.9	3.9	4.9
Dec.-Feb.	3.0	4.4	6.8	9.5	14
Sep.-Nov.	.7	1.2	2.0	2.6	3.2

SCIOTO RIVER BASIN

03230230 Big Darby Creek near West Jefferson, Ohio

LOCATION: Lat 39° 58' 47", long 83° 14' 57", Madison-Franklin County line, Hydrologic Unit 05060001, at bridge on Hubbard Road, 1.7 mi northwest of West Jefferson, 7.4 mi upstream from Little Darby Creek.

DRAINAGE AREA: 239 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: Low-flow measurements, 1979-83 water years.

INDEX STATION: 03230500 Big Darby Creek at Darbyville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 6.0 ft³/s October 1982.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	5.9	1.5	0.8	Dec.-Feb.	1	24	7.6	5.4
	7	6.6	1.8	1.1		7	28	8.1	5.7
	30	8.8	2.9	1.9		30	59	12	7.8
	90	14	4.9	3.5		90	259	50	27
May-Nov.	1	5.9	1.5	0.8	Sep.-Nov.	1	6.4	1.6	0.9
	7	6.6	1.8	1.1		7	7.1	1.9	1.2
	30	8.9	3.0	1.9		30	9.7	3.0	2.0
	90	15	4.9	3.5		90	27	6.0	4.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	3.6	5.7	8.5	11	14
May-Nov.	2.5	4.4	6.4	8.4	10
Dec.-Feb.	6.7	9.4	14	19	27
Sep.-Nov.	1.8	2.8	4.7	5.9	7.0

SCIOTO RIVER BASIN

03230250 Little Darby Creek near Irwin, Ohio

LOCATION: Lat 40° 07' 18", long 83° 27' 22", Union County, Hydrologic Unit 05060001, at bridge on State Route 161, 0.5 mi upstream from Treacle Creek, and 1.6 mi east of Irwin.

DRAINAGE AREA: 29.4 mi².

TRIBUTARY TO: Big Darby Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1978 and 1980-83 water years.

INDEX STATION: 03230500 Big Darby Creek at Darbyville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 3.8 ft³/s August 1982.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	3.4	1.4	1.0	Dec.-Feb.	1	8.7	4.1	3.2
	7	3.7	1.6	1.2		7	9.6	4.2	3.3
	30	4.5	2.2	1.6		30	16	5.6	4.1
	90	6.1	3.0	2.4		90	42	14	9.3
May-Nov.	1	3.4	1.4	1.0	Sep.-Nov.	1	3.6	1.5	1.0
	7	3.7	1.6	1.2		7	3.9	1.6	1.2
	30	4.5	2.2	1.6		30	4.8	2.2	1.7
	90	6.2	3.0	2.4		90	9.5	3.5	2.7

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	2.5	3.3	4.4	5.3	6.2
May-Nov.	1.9	2.8	3.6	4.3	5.0
Dec.-Feb.	3.7	4.7	6.1	7.4	9.4
Sep.-Nov.	1.6	2.1	3.0	3.4	3.8

SCIOTO RIVER BASIN

03230300 Little Darby Creek at Chuckery, Ohio

LOCATION: Lat 40° 06' 40", long 83° 23' 30", Union County, Hydrologic Unit 05060001, at bridge on State Route 161 at Chuckery.

DRAINAGE AREA: 71.4 mi².

TRIBUTARY TO: Big Darby Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1950 and 1962-71 water years.

INDEX STATION: 03230500 Big Darby Creek at Darbyville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.7 ft³/s October 1963.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	3.4	0.9	0.5	Dec.-Feb.	1	14	4.4	3.2
	7	3.8	1.1	.7		7	16	4.7	3.3
	30	5.1	1.7	1.1		30	35	7.2	4.5
	90	8.1	2.8	2.0		90	151	29	16
May-Nov.	1	3.4	0.9	0.5	Sep.-Nov.	1	3.8	1.0	0.6
	7	3.8	1.1	.7		7	4.1	1.1	.7
	30	5.2	1.7	1.1		30	5.6	1.7	1.2
	90	8.4	2.8	2.0		90	16	3.5	2.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	2.1	3.3	4.9	6.6	8.4
May-Nov.	1.4	2.5	3.8	4.9	6.1
Dec.-Feb.	3.9	5.5	8.1	11	16
Sep.-Nov.	1.0	1.6	2.8	3.4	4.1

SCIOTO RIVER BASIN

03230310 Little Darby Creek at West Jefferson, Ohio

LOCATION: Lat 39° 57' 04", long 83° 16' 10", Madison County, Hydrologic Unit 05060001, at bridge on Middle Pike Road, 0.4 mi north of West Jefferson, 7.2 mi upstream from Big Darby Creek.

DRAINAGE AREA: 162 mi².

TRIBUTARY TO: Big Darby Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1979-83 water years.

INDEX STATION: 03230500 Big Darby Creek at Darbyville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 5.4 ft³/s October 1982.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	4.0	0.8	0.4	Dec.-Feb.	1	20	5.3	3.6
	7	4.5	1.0	.6		7	23	5.7	3.8
	30	6.2	1.8	1.1		30	55	6.2	5.4
	90	11	3.2	2.2		90	292	45	22
May-Nov.	1	4.0	0.8	0.4	Sep.-Nov.	1	4.4	0.9	0.5
	7	4.5	1.0	.6		7	4.9	1.1	.6
	30	6.3	1.8	1.1		30	7.0	1.8	1.2
	90	11	3.2	2.2		90	23	4.1	2.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	2.3	3.8	6.0	8.4	11
May-Nov.	1.5	2.8	4.4	5.9	7.6
Dec.-Feb.	4.5	6.7	11	15	22
Sep.-Nov.	1.0	1.7	3.1	4.0	4.8

SCIOTO RIVER BASIN

03230400 Big Darby Creek at Darbydale, Ohio

LOCATION: Lat 39° 50' 55", long 83° 11' 20", Franklin County, Hydrologic Unit 05060001, near left abutment at downstream side of McKinley Bridge at Darbydale.

DRAINAGE AREA: 449 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: Low-flow measurements, 1964-70 water years.

INDEX STATION: 03230500 Big Darby Creek at Darbyville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 2.1 ft³/s September 1964.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	12	3.2	1.9	Dec.-Feb.	1	48	16	11
	7	14	4.0	2.5		7	56	17	12
	30	18	6.3	4.0		30	116	25	16
	90	28	10	7.4		90	486	98	54
May-Nov.	1	12	3.2	1.9	Sep.-Nov.	1	13	3.6	2.1
	7	14	4.0	2.5		7	15	4.2	2.5
	30	18	6.3	4.2		30	20	6.3	4.4
	90	29	10	7.4		90	55	13	8.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	7.7	12	18	23	29
May-Nov.	5.4	9.2	13	17	21
Dec.-Feb.	14	19	28	38	54
Sep.-Nov.	3.8	6.0	10	12	15

SCIOTO RIVER BASIN

03230500 Big Darby Creek at Darbyville, Ohio

LOCATION: Lat 39° 42' 02", long 83° 06' 37", Pickaway County, Hydrologic Unit 05060001, on right bank at upstream side of State Highway 316, 0.4 mi northeast of Darbyville, 0.4 mi upstream from Lizard Run, and 3.0 mi downstream from Greenbrier Creek.

DRAINAGE AREA: 534 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: October 1921 to September 1935, October 1938 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 61.3 ft³/s
 Average streamflow: 465 ft³/s (72 years)
 Minimum daily streamflow: 1.4 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	18	8.1	5.0	3.0	1.6	Dec.-Feb.	1	65	33	23	17	12
	7	20	9.5	6.1	3.9	2.3		7	75	36	24	17	12
	30	26	14	9.4	6.2	3.9		30	150	59	35	23	14
	90	40	21	15	11	7.8		90	583	236	128	72	35
May-Nov.	1	18	8.1	5.0	3.0	1.6	Sep.-Nov.	1	19	8.7	5.5	3.3	1.7
	7	20	9.5	6.1	3.9	2.2		7	21	9.7	6.0	4.0	2.3
	30	26	14	9.5	6.4	3.9		30	28	13	9.4	6.7	4.2
	90	41	21	15	11	7.9		90	74	29	18	13	8.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	11	17	25	33	41	51	64	103	157	237	365	588	1150
May-Nov.	8.1	14	19	25	30	36	42	57	83	117	177	280	574
Dec.-Feb.	20	28	40	52	72	95	121	189	267	389	562	867	1630
Sep.-Nov.	5.9	9.1	15	18	21	24	28	35	43	57	81	129	286

SCIOTO RIVER BASIN

03230600 Hominy Creek at Circleville, Ohio

LOCATION: Lat 39° 35' 25", long 82° 55' 25", Pickaway County, Hydrologic Unit 05060002, in sec. 29, T. 11 N., R. 21 W., on left upstream wingwall of private farm bridge across creek. Gage is reached by driving southeast 0.4 mi on State Route 56 from railroad crossing at east edge of Circleville and turning left on farm road bridge.

DRAINAGE AREA: 5.66 mi².

TRIBUTARY TO: Hargus Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1962-73 water years.

INDEX STATION: 03157500 Hocking River at Enterprise, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.2 ft³/s August 1964.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.2	0.1	0.1	Dec.-Feb.	1	0.7	0.2	0.2
	7	.3	.2	.1		7	.8	.3	.2
	30	.4	.2	.2		30	1.8	.5	.3
	90	.6	.2	.2		90	6.4	1.9	1.3
May-Nov.	1	0.2	0.1	0.1	Sep.-Nov.	1	0.3	0.1	0.1
	7	.3	.2	.1		7	.3	.2	.1
	30	.4	.2	.2		30	.4	.2	.2
	90	.6	.2	.2		90	.9	.3	.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.2	0.2	0.3	0.4	0.5
May-Nov.	.2	.2	.3	.3	.4
Dec.-Feb.	.3	.4	.5	.8	1.0
Sep.-Nov.	.2	.2	.2	.3	.3

SCIOTO RIVER BASIN

03230745 Deer Creek at US 142 near London, Ohio

LOCATION: Lat 39° 54' 17", long 83° 23' 35", Madison County, Hydrologic Unit 05060002, at bridge on State Route 142, 3.0 mi northeast of London.

DRAINAGE AREA: 50.7 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: Low-flow measurements, 1981-82, 1995, 1996, 1998, and 1999 water years.

INDEX STATION: 03230800 Deer Creek at Mt. Sterling, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.1 ft³/s October 1994.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.4	0.6	0.5	Dec.-Feb.	1	10	3.2	2.1
	7	1.8	.8	.6		7	13	3.6	2.3
	30	2.6	1.1	.8		30	32	5.7	3.1
	90	4.9	1.9	1.5		90	110	37	24
May-Nov.	1	1.5	0.6	0.5	Sep.-Nov.	1	1.9	0.6	0.5
	7	1.9	.8	.6		7	2.4	.8	.6
	30	2.8	1.2	1.0		30	4.1	1.4	1.1
	90	5.4	2.1	1.7		90	11	3.5	2.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.2	1.7	2.8	3.9	5.6
May-Nov.	1.0	1.5	2.1	2.8	3.4
Dec.-Feb.	1.3	3.7	9.8	12	14
Sep.-Nov.	.9	1.2	1.7	2.2	2.7

SCIOTO RIVER BASIN

03230800 Deer Creek at Mount Sterling, Ohio

LOCATION: Lat 39° 42' 54", long 83° 15' 26", Madison County, Hydrologic Unit 05060002, on left bank at downstream side of bridge on State Route 56, 0.2 mi downstream from unnamed right bank tributary, 0.6 mi southeast of Mount Sterling, and 4.9 mi upstream from Duffs Fork.

DRAINAGE AREA: 228 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: October 1966 to September 1981, October 1995 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 52.6 ft³/s
 Average streamflow: 250 ft³/s (17 years)
 Minimum daily streamflow: 5.4 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	12	7.6	6.1	5.2	4.3	Dec.-Feb.	1	55	32	22	16	11
	7	14	9.4	7.7	6.5	5.5		7	64	36	25	18	11
	30	19	12	9.7	8.1	6.8		30	129	58	35	22	12
	90	31	19	15	13	11		90	331	200	143	104	69
May-Nov.	1	13	7.9	6.2	5.2	4.2	Sep.-Nov.	1	15	8.4	6.5	5.3	4.3
	7	15	9.8	7.9	6.7	5.6		7	18	10	7.8	6.3	5.1
	30	20	13	11	8.9	7.4		30	27	16	12	9.8	7.9
	90	33	21	17	14	12		90	56	31	24	20	18

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	10	14	20	26	34	42	51	72	100	143	201	309	564
May-Nov.	9.6	13	16	20	24	28	33	43	56	78	108	162	329
Dec.-Feb.	11	25	53	60	70	81	94	134	169	224	298	420	732
Sep.-Nov.	8.7	11	14	17	20	23	26	34	41	51	66	94	157

SCIOTO RIVER BASIN

03230900 Deer Creek near Pancoastburg, Ohio

LOCATION: Lat 39° 37' 14", long 83° 12' 47", Pickaway County, Hydrologic Unit 05060002, on left bank 200 ft downstream from bridge on Crownover Mill Road, 1,200 ft downstream from Deer Creek Dam, and 2.8 mi east of Pancoastburg.

DRAINAGE AREA: 277 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: October 1971 to September 1997

REMARKS: Flow completely regulated by Deer Creek Lake, capacity 26,440 acre-ft, since April 1968.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 43.3 ft³/s
 Average streamflow: 273 ft³/s (26 years)
 Minimum daily streamflow: 4.1 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	9.7	7.6	6.4	5.5	4.6	Dec.-Feb.	1	27	14	10	7.5	5.5
	7	11	8.4	7.7	7.3	7.0		7	63	30	17	11	6.0
	30	17	11	8.9	7.7	7.0		30	122	58	36	23	14
	90	39	19	13	9.7	7.1		90	370	210	130	79	41
May-Nov.	1	11	8.3	6.9	5.8	4.7	Sep.-Nov.	1	13	9.7	8.2	7.1	6.1
	7	13	9.4	8.0	7.1	6.2		7	15	11	9.0	7.8	6.8
	30	18	11	9.1	7.8	6.7		30	24	14	11	9.6	8.3
	90	43	23	17	13	10		90	139	96	82	74	66

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	9.1	11	14	18	22	33	50	81	123	169	247	382	740
May-Nov.	9.2	11	13	16	19	22	29	54	85	122	169	257	498
Dec.-Feb.	17	22	41	59	72	88	109	149	200	272	365	530	965
Sep.-Nov.	10	12	14	17	20	25	32	64	94	144	177	252	403

SCIOTO RIVER BASIN

03231000 Deer Creek at Williamsport, Ohio

LOCATION: Lat 39° 35' 09", long 83° 07' 22", Pickaway County, Hydrologic Unit 05060002, on left bank at downstream side of bridge on U.S. Highway 22 at west edge of Williamsport, 2.0 mi downstream from Dry Run, and 7.6 mi upstream from Hay Run.

DRAINAGE AREA: 333 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: October 1971 to September 1997.

REMARKS: Flow regulated by Deer Creek Lake 9.0 mi upstream beginning in 1968.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 57.9 ft³/s
 Average streamflow: 348 ft³/s (20 years)
 Minimum daily streamflow: 6.1 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	12	8.8	7.4	6.5	5.7	Dec.-Feb.	1	67	35	25	18	13
	7	14	9.1	7.7	6.8	6.1		7	91	44	30	22	15
	30	20	11	8.6	7.1	6.1		30	177	76	47	30	18
	90	46	25	19	15	12		90	498	290	204	146	97
May-Nov.	1	13	8.7	7.4	6.5	5.6	Sep.-Nov.	1	13	8.7	7.8	7.4	7.0
	7	14	9.1	7.7	6.8	6.1		7	15	9.6	8.2	7.4	7.0
	30	20	11	8.7	7.1	6.1		30	31	14	10	7.5	7.0
	90	51	28	21	16	13		90	176	116	98	86	76

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	11	14	20	26	36	54	69	106	158	218	325	508	990
May-Nov.	9.4	12	16	20	24	28	41	68	98	145	203	324	626
Dec.-Feb.	22	34	58	83	108	135	158	213	286	392	510	753	1330
Sep.-Nov.	7.8	11	15	20	26	32	46	76	109	165	213	324	519

SCIOTO RIVER BASIN

03231300 Kinnikinnick Creek near Kinnikinnick, Ohio

LOCATION: Lat 39° 26' 25", long 82° 58' 35", Ross County, Hydrologic Unit 05060002, at bridge on old U.S. Highway 23, 1.5 mi northwest of Kinnikinnick, and 1.0 mi upstream from mouth.

DRAINAGE AREA: 36.2 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: Low-flow measurements, 1953, 1958, and 1961-73 water years.

INDEX STATION: 03157000 Clear Creek at Rockbridge, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 5.5 ft³/s October 1953.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	8.0	5.6	5.0	Dec.-Feb.	1	12	8.3	7.4
	7	8.2	6.1	5.7		7	13	9.0	8.1
	30	9.0	7.1	6.7		30	19	11	9.7
	90	11	8.1	7.7		90	33	20	17
May-Nov.	1	8.0	5.6	5.0	Sep.-Nov.	1	8.0	6.0	5.6
	7	8.2	6.1	5.7		7	8.4	6.6	6.3
	30	9.0	7.1	6.8		30	9.7	7.6	7.2
	90	11	8.1	7.7		90	14	8.9	8.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	7.1	8.1	9.2	9.9	11
May-Nov.	6.8	7.5	8.3	9.0	9.5
Dec.-Feb.	9.0	10	12	13	14
Sep.-Nov.	6.7	7.4	7.9	8.5	8.9

SCIOTO RIVER BASIN

03231500 Scioto River at Chillicothe, Ohio

LOCATION: Lat 39° 20' 29", long 82° 58' 16", Ross County, Hydrologic Unit 05060002, on right bank at north end of Chillicothe, 1,400 ft downstream from Bridge Street bridge, 7.4 mi upstream from Paint Creek, and 15.4 mi downstream from Deer Creek.

DRAINAGE AREA: 3,849 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1920 to September 1997.

REMARKS: Flow regulated by 6 reservoirs 36 mi to 91 mi upstream from station.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 927 ft³/s
 Average streamflow: 3570 ft³/s (77 years)
 Minimum daily streamflow: 166 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	331	240	206	183	162	Dec.-Feb.	1	669	389	293	231	177
	7	356	254	216	191	167		7	743	417	311	245	188
	30	415	288	244	215	189		30	1380	647	431	306	207
	90	570	358	288	243	203		90	4420	2060	1260	791	442
May-Nov.	1	333	241	207	184	163	Sep.-Nov.	1	345	242	206	183	161
	7	359	255	216	190	167		7	368	253	215	191	170
	30	419	289	244	214	187		30	433	286	245	221	203
	90	594	371	296	249	206		90	872	454	332	259	210

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	236	294	368	446	535	640	754	1060	1490	2090	3040	4860	9280
May-Nov.	217	263	325	378	430	486	558	702	917	1230	1680	2530	4840
Dec.-Feb.	275	331	444	608	792	963	1170	1680	2280	3160	4530	7040	12900
Sep.-Nov.	200	227	266	298	331	363	396	473	591	729	954	1430	2610

SCIOTO RIVER BASIN

03231550 Paint Creek at Washington Court House, Ohio

LOCATION: Lat 39° 32' 12", long 83° 26' 46", Fayette County, Hydrologic Unit 05060003, at bridge on U.S. Highway 35, in Washington Court House, 1.7 mi upstream from East Fork Paint Creek.

DRAINAGE AREA: 62.3 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: Low-flow measurements, 1980-82, 1995, 1996, 1998, and 1999 water years.

INDEX STATION: 0323200 Paint Creek near Greenfield, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s October 1994.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.2	0	0	Dec.-Feb.	1	3.8	0.4	0.2
	7	.2	0	0		7	4.6	.4	.2
	30	.6	.1	0		30	13	.9	.4
	90	1.6	.2	.1		90	64	7.5	2.3
May-Nov.	1	0.2	0	0	Sep.-Nov.	1	0.2	0	0
	7	.2	0	0		7	.3	0	0
	30	.6	.1	0		30	.9	.1	0
	90	1.7	.2	.1		90	3.8	.3	.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.1	0.2	0.5	0.8	1.3
May-Nov.	0	.1	.3	.5	.7
Dec.-Feb.	.3	.5	.9	2.1	4.5
Sep.-Nov.	0	.1	.1	.2	.3

SCIOTO RIVER BASIN

03231620 East Fork Paint Creek near Bloomingburg, Ohio

LOCATION: Lat 39° 35' 15", long 83° 23' 47", Fayette County, Hydrologic Unit 05060003, at bridge on Matthews Road, 0.3 mi upstream from Green Ditch, 1.2 mi south of Bloomingburg, 2.0 mi upstream from Big Run.

DRAINAGE AREA: 36.8 mi².

TRIBUTARY TO: Paint Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1979-82, 1995, 1996, 1998, and 1999 water years.

INDEX STATION: 0323200 Paint Creek near Greenfield, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s Sep 1995 & 1999.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.4	0	0	Dec.-Feb.	1	3.9	0.6	0.3
	7	.5	.1	0		7	4.5	.8	.4
	30	1.0	.2	.1		30	10	1.3	.6
	90	2.0	.4	.2		90	34	6.5	2.6
May-Nov.	1	0.4	0	0	Sep.-Nov.	1	0.4	0.1	0
	7	.5	.1	0		7	.6	.1	0
	30	1.0	.2	.1		30	1.2	.2	.1
	90	2.1	.4	.3		90	3.9	.5	.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.2	0.4	0.8	1.2	1.7
May-Nov.	.1	.2	.5	.8	1.1
Dec.-Feb.	.5	.8	1.3	2.5	4.4
Sep.-Nov.	.1	.2	.3	.5	.6

SCIOTO RIVER BASIN

03231800 Sugar Creek near Rock Mills, Ohio

LOCATION: Lat 39° 28' 10", long 83° 26' 06", Fayette County, Hydrologic Unit 05060003, at bridge on New Martinsburg Road (State Route 70), 1.5 mi upstream from Paint Creek, 2.3 mi northwest of Rock Mills.

DRAINAGE AREA: 78.3 mi².

TRIBUTARY TO: Paint Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1978 and 1980-83 water years.

INDEX STATION: 03232000 Paint Creek near Greenfield, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s Oct 1982 & Aug 1983.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.1	0	0	Dec.-Feb.	1	5.4	0.2	0.1
	7	.2	0	0		7	7.0	.3	.1
	30	.5	0	0		30	26	.8	.2
	90	1.7	.1	0		90	204	13	2.8
May-Nov.	1	0.1	0	0	Sep.-Nov.	1	0.1	0	0
	7	.2	0	0		7	.2	0	0
	30	.5	0	0		30	.8	0	0
	90	2.0	.1	.1		90	5.3	.2	.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0	0.1	0.4	0.7	1.4
May-Nov.	0	0	.2	.4	.6
Dec.-Feb.	.2	.4	.9	2.6	6.6
Sep.-Nov.	0	0	.1	.2	.2

SCIOTO RIVER BASIN

03232000 Paint Creek near Greenfield, Ohio

LOCATION: Lat 39° 22' 45", long 83° 22' 32", Fayette County, Hydrologic Unit 05060003, on right bank at upstream side of bridge on State Route 753, 0.6 mi upstream from Stone Run, 2.0 mi north of Greenfield, and 3.0 mi downstream from Indian Creek.

DRAINAGE AREA: 249 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: October 1926 to November 1935, October 1939 to September 1956, October 1966 to September 1981, October 1995 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 7.13 ft³/s
 Average streamflow: 242 ft³/s (43 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 2 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	1.8	0.4	0.2	0.1	0	Dec.-Feb.	1	28	7.6	3.4	1.7	0.7
	7	2.6	.7	.3	.1	.1		7	34	9.2	4.2	2.1	.9
	30	5.5	1.7	.9	.5	.2		30	83	19	7.8	3.5	1.3
	90	13	4.1	2.1	1.2	.6		90	339	118	51	18	3.0
May-Nov.	1	1.8	0.4	0.2	0.1	0	Sep.-Nov.	1	2.2	0.5	0.2	0.1	0
	7	2.6	.7	.3	.1	.1		7	3.0	.7	.3	.2	.1
	30	5.6	1.7	.9	.5	.2		30	7.6	2.0	1.0	.5	.3
	90	14	4.3	2.2	1.2	.6		90	28	7.5	2.9	1.3	.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.8	2.1	4.4	7.2	11	17	25	46	77	120	189	310	606
May-Nov.	.4	1.2	2.7	4.4	6.3	8.6	12	21	34	53	82	139	291
Dec.-Feb.	2.6	4.4	8.2	17	32	52	70	107	159	227	329	497	896
Sep.-Nov.	.3	.7	1.5	2.5	3.3	4.2	5.3	8.0	13	21	35	61	138

SCIOTO RIVER BASIN

03232470 Paint Creek below Paint Creek Dam, near Bainbridge, Ohio

LOCATION: Lat 39° 15' 08", long 83° 20' 58", Highland County, Hydrologic Unit 05060003, on right bank 400 ft downstream from Paint Creek Dam, 700 ft upstream from Cliff Creek, and 4.5 mi northwest of Bainbridge.

DRAINAGE AREA: 570 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: October 1973 to September 1991.

REMARKS: Flow regulated by Paint Creek Lake.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 72.9 ft³/s
 Average streamflow: 591 ft³/s (18 years)
 Minimum daily streamflow: 4.2 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	9.5	6.4	5.2	4.4	3.6	Dec.-Feb.	1	39	15	9.3	6.0	3.6
	7	16	10	8.3	7.0	5.9		7	132	55	32	20	11
	30	31	16	12	9.2	7.0		30	260	94	50	28	13
	90	73	40	31	25	21		90	859	492	330	224	136
May-Nov.	1	9.9	6.7	5.6	4.9	4.3	Sep.-Nov.	1	15	8.0	5.9	4.6	3.4
	7	18	11	8.9	7.5	6.2		7	23	15	12	9.5	7.7
	30	33	18	13	9.9	7.5		30	44	23	18	15	13
	90	75	41	31	26	21		90	224	113	79	58	41

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	13	18	27	39	49	72	97	160	246	362	534	858	1580
May-Nov.	14	17	25	32	38	44	52	90	133	210	309	478	935
Dec.-Feb.	16	23	72	98	138	190	236	341	470	657	892	1290	2140
Sep.-Nov.	14	17	23	30	35	39	43	65	112	184	277	383	695

SCIOTO RIVER BASIN

03232480 Clear Creek near Hillsboro, Ohio

LOCATION: Lat 39° 12' 45", long 83° 33' 00", Highland County, Hydrologic Unit 05060003, at bridge on U.S. Highway 50, 2.0 mi upstream from dam on Rocky Fork Lake, 3.4 mi east of Hillsboro.

DRAINAGE AREA: 35.4 mi².

TRIBUTARY TO: Rocky Fork.

STREAMFLOW DATA USED: Low-flow measurements, 1978 and 1980-83 water years.

INDEX STATION: 03232000 Paint Creek near Greenfield, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.5 ft³/s September 1978.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.9	0.6	0.4	Dec.-Feb.	1	4.4	2.6	1.8
	7	2.2	.8	.6		7	8.0	2.9	2.0
	30	3.3	1.3	1.0		30	13	3.9	2.6
	90	5.0	2.0	1.5		90	25	9.9	5.9
May-Nov.	1	1.9	0.6	0.4	Sep.-Nov.	1	2.1	0.7	0.5
	7	2.2	.8	.6		7	2.4	.8	.6
	30	3.3	1.3	1.0		30	3.8	1.4	1.0
	90	5.2	2.1	1.6		90	7.3	2.4	1.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.3	2.0	2.9	3.7	4.6
May-Nov.	.9	1.5	2.3	2.9	3.5
Dec.-Feb.	2.3	2.9	4.0	5.7	7.9
Sep.-Nov.	.8	1.2	1.7	2.2	2.5

SCIOTO RIVER BASIN

03232500 Rocky Fork near Barretts Mills, Ohio

LOCATION: Lat 39° 13' 06", long 83° 23' 08", Highland County, Hydrologic Unit 05060003, on left bank at downstream side of highway bridge, 1.1 mi north of Barretts Mills, 2.0 mi east of Rainsboro, 2.8 mi upstream from mouth, and 6.0 mi downstream from Rocky Fork Lake.

DRAINAGE AREA: 140 mi².

TRIBUTARY TO: Paint Creek.

STREAMFLOW DATA USED: October 1952 to September 1997.

REMARKS: Flow regulated by Rocky Fork Lake 6 mi upstream, since 1952, capacity 34,100 acre-ft.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 22.3 ft³/s
 Average streamflow: 151 ft³/s (43 years)
 Minimum daily streamflow: 0.5 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	5.8	2.4	1.5	1.0	0.6	Dec.-Feb.	1	19	8.0	4.5	2.7	1.3
	7	7.5	3.2	2.0	1.4	.9		7	22	10	7.0	5.1	3.7
	30	11	5.1	3.4	2.4	1.7		30	65	28	17	11	6.3
	90	21	9.4	6.3	4.6	3.2		90	199	100	59	31	11
May-Nov.	1	5.8	2.4	1.5	1.0	0.6	Sep.-Nov.	1	6.6	2.6	1.5	1.0	0.6
	7	7.6	3.3	2.1	1.4	.9		7	8.6	3.5	2.1	1.4	.9
	30	11	5.1	3.4	2.4	1.6		30	14	6.1	3.9	2.6	1.7
	90	21	9.7	6.4	4.6	3.2		90	55	26	17	13	8.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	3.6	5.4	8.7	13	18	22	26	39	62	92	136	207	352
May-Nov.	2.9	4.3	6.4	8.8	12	16	20	26	34	50	73	114	218
Dec.-Feb.	6.1	9.0	15	22	29	41	56	77	111	150	198	276	442
Sep.-Nov.	2.1	3.2	4.7	6.2	7.7	9.2	12	19	24	32	49	85	179

SCIOTO RIVER BASIN

03234000 Paint Creek near Bourneville, Ohio

LOCATION: Lat 39° 15' 49", long 83° 10' 01", Ross County, Hydrologic Unit 05060003, on upstream side of left abutment of highway bridge, 0.2 mi downstream from Sulfur Lick, 1.2 mi southwest of Bourneville, and 1.2 mi upstream from Upper Twin Creek.

DRAINAGE AREA: 807 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: October 1973 to September 1997.

REMARKS: Flow regulated by Paint Creek Lake 17 mi upstream since 1971, capacity 145,000 acre-ft and Rocky Fork Lake 23 mi upstream since 1952, capacity, 34,100 acre-ft.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 175 ft³/s
 Average streamflow: 927 ft³/s (24 years)
 Minimum daily streamflow: 24 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	40	29	25	23	20	Dec.-Feb.	1	148	74	50	35	23
	7	46	32	28	24	22		7	189	90	59	41	26
	30	61	39	32	27	23		30	428	176	101	61	32
	90	119	65	50	41	33		90	1260	709	480	330	205
May-Nov.	1	42	31	26	23	21	Sep.-Nov.	1	44	31	27	24	21
	7	48	34	29	26	23		7	50	34	29	26	24
	30	64	41	34	29	25		30	70	41	33	29	25
	90	123	67	51	41	33		90	293	143	97	70	49

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	36	46	59	79	112	146	180	272	394	586	871	1350	2650
May-Nov.	35	42	51	58	69	84	106	160	222	311	454	706	1470
Dec.-Feb.	33	81	145	197	260	320	380	539	730	993	1340	1990	3400
Sep.-Nov.	32	36	43	49	54	60	70	104	149	220	324	476	964

SCIOTO RIVER BASIN

03234300 Paint Creek at Chillicothe, Ohio

LOCATION: Lat 39° 19' 14", long 82° 58' 42", Ross County, Hydrologic Unit 05060003, on left bank at downstream side of bridge on State Route 772, 4.3 mi downstream from North Fork Paint Creek, and 3.8 mi upstream from mouth.

DRAINAGE AREA: 1,136 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: October 1985 to September 1997.

REMARKS: Flow regulated by Paint Creek Lake, 35 mi upstream, capacity 145,000 acre-ft; and Rocky Fork Lake, 41 mi upstream, capacity 34,100 acre-ft.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 240 ft³/s
 Average streamflow: 1,320 ft³/s (12 years)
 Minimum daily streamflow: 39.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	55	44	42	41	41	Dec.-Feb.	1	203	106	74	54	37
	7	60	47	44	44	43		7	255	130	90	66	46
	30	74	52	47	45	43		30	548	241	148	96	57
	90	136	80	66	58	52		90	1640	948	681	506	352
May-Nov.	1	55	44	42	41	41	Sep.-Nov.	1	55	44	42	42	41
	7	60	47	44	44	43		7	60	47	45	44	44
	30	74	52	47	45	43		30	82	58	52	50	48
	90	136	81	66	59	53		90	280	142	99	73	52

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	52	62	74	92	123	183	240	366	529	796	1240	1910	3720
May-Nov.	50	58	66	74	82	95	113	185	290	400	579	933	1950
Dec.-Feb.	52	122	234	293	348	415	485	654	904	1260	1790	2820	4660
Sep.-Nov.	46	51	60	63	67	72	77	97	134	205	322	484	1040

SCIOTO RIVER BASIN

03234500 Scioto River at Higby, Ohio

LOCATION: Lat 39° 12' 44", long 82° 51' 50", in sec. 6, T. 7 N., R. 20 W., Ross County, Hydrologic Unit 05060002, on left bank at downstream side of highway bridge, 0.8 mi downstream from Walnut Creek, 1.2 mi north of Higby, 3.0 mi northwest of Richmond Dale, and 5.0 mi upstream from Salt Creek.

DRAINAGE AREA: 5,131 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1930 to September 1997.

REMARKS: Flow slightly regulated by 7 reservoirs 45 mi to 105 mi upstream from station and since 1952 by Rocky Fork Lake 31 mi upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 1,320 ft³/s
 Average streamflow: 4,740 ft³/s (67 years)
 Minimum daily streamflow: 244 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	480	352	301	265	231	Dec.-Feb.	1	891	513	386	305	235
	7	508	369	316	279	244		7	986	548	408	322	248
	30	597	417	350	305	262		30	1830	845	559	396	268
	90	824	519	413	346	285		90	5700	2690	1650	1050	592
May-Nov.	1	488	355	303	267	232	Sep.-Nov.	1	506	365	312	276	242
	7	518	374	318	280	244		7	532	379	324	287	254
	30	608	421	351	304	261		30	644	421	347	299	256
	90	864	541	428	356	290		90	1210	656	484	380	291

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	338	434	539	648	784	941	1120	1560	2110	2970	4270	6830	12400
May-Nov.	318	389	479	555	633	719	816	1060	1370	1770	2370	3440	6510
Dec.-Feb.	352	432	579	809	1070	1290	1550	2230	3150	4300	6260	9490	16900
Sep.-Nov.	286	326	381	437	483	521	568	684	833	1060	1380	1930	3310

SCIOTO RIVER BASIN

03235000 Salt Creek at Tarlton, Ohio

LOCATION: Lat 39° 33' 20", long 82° 46' 50", in NW 1/4 sec. 3, T. 11 N., R. 20 W., Pickaway County, Hydrologic Unit 05060002, on left bank at bridge on State Route 159 in Tarlton, and 5.7 mi upstream from Plum Run.

DRAINAGE AREA: 11.5 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: October 1946 to September 1961.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 0.57 ft³/s
 Average streamflow: 10.4 ft³/s (15 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 11 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0	0	0	0	0	Dec.-Feb.	1	0.9	0.4	0.2	0.2	0.1
	7	0	0	0	0	0		7	1.3	.5	.3	.2	.1
	30	.1	0	0	0	0		30	4.8	1.5	.7	.4	.2
	90	.6	.1	0	0	0		90	20	10	6.1	3.6	1.8
May-Nov.	1	0	0	0	0	0	Sep.-Nov.	1	0.1	0	0	0	0
	7	0	0	0	0	0		7	.1	0	0	0	0
	30	.1	0	0	0	0		30	.2	0	0	0	0
	90	.6	.1	0	0	0		90	1.4	.3	.1	.1	0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0	0.1	0.1	0.2	0.3	0.4	0.6	1.3	2.2	3.9	6.4	11	22
May-Nov.	0	0	.1	.1	.1	.2	.2	.4	.7	1.1	1.8	3.0	7.1
Dec.-Feb.	.3	.5	.8	1.3	1.8	2.3	2.9	4.7	6.9	9.6	14	20	44
Sep.-Nov.	0	0	.1	.1	.1	.1	.1	.2	.4	.7	1.1	1.7	3.3

SCIOTO RIVER BASIN

03235090 Salt Creek at Adelphi, Ohio

LOCATION: Lat 39° 28' 23", long 82° 45' 01", Pickaway County, Hydrologic Unit 05060002, at bridge on State Route 327 and 180, 0.6 mi downstream from Beech Fork, 0.5 mi north of Adelphi.

DRAINAGE AREA: 47.8 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: Low-flow measurements, 1978-82 water years.

INDEX STATION: 03157500 Hocking River at Enterprise, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.8 ft³/s October 1981.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.0	0.4	0.4	Dec.-Feb.	1	3.5	1.0	0.7
	7	1.2	.5	.4		7	4.4	1.2	.8
	30	1.6	.7	.5		30	13	2.4	1.5
	90	2.7	1.0	.8		90	65	14	8.0
May-Nov.	1	1.0	0.4	0.4	Sep.-Nov.	1	1.1	0.5	0.4
	7	1.2	.5	.4		7	1.2	.5	.4
	30	1.6	.7	.6		30	1.8	.7	.6
	90	3.1	1.0	.8		90	5.4	1.3	.9

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.7	1.0	1.4	1.8	2.3
May-Nov.	.6	.8	1.1	1.4	1.6
Dec.-Feb.	1.1	1.6	2.7	4.1	5.7
Sep.-Nov.	.5	.6	.9	1.0	1.2

SCIOTO RIVER BASIN

03235500 Tar Hollow Creek at Tar Hollow State Park, Ohio

LOCATION: Lat 39° 23' 22", long 82° 45' 03", in NE 1/4 sec. 36, T. 10 N., R. 20 W., Ross County, Hydrologic Unit 05060002, in Tar Hollow State Park, on left bank, 2.0 mi upstream from mouth, and 5.2 mi south of Adelphi.

DRAINAGE AREA: 1.35 mi².

TRIBUTARY TO: Pike Run.

STREAMFLOW DATA USED: October 1946 to October 1978.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 0.10 ft³/s
 Average streamflow: 1.24 ft³/s (32 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 32 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0	0	0	0	0	Dec.-Feb.	1	0	0	0	0	0
	7	0	0	0	0	0		7	0	0	0	0	0
	30	0	0	0	0	0		30	.4	0	0	0	0
	90	0	0	0	0	0		90	1.7	.6	.3	.1	0
May-Nov.	1	0	0	0	0	0	Sep.-Nov.	1	0	0	0	0	0
	7	0	0	0	0	0		7	0	0	0	0	0
	30	0	0	0	0	0		30	0	0	0	0	0
	90	0	0	0	0	0		90	.1	0	0	0	0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0	0	0	0	0	0	0	0	0.2	0.4	0.9	1.6	3.1
May-Nov.	0	0	0	0	0	0	0	0	0	.1	.1	.4	1.0
Dec.-Feb.	0	0	0	0	0	.1	.2	.4	.6	.9	1.5	2.2	3.8
Sep.-Nov.	0	0	0	0	0	0	0	0	0	0	.1	.1	.4

SCIOTO RIVER BASIN

03236000 Salt Creek near Londonderry, Ohio

LOCATION: Lat 39° 15' 22", long 82° 46' 12", in SW 1/4 sec. 13, T. 8 N., R. 20 W., Ross County, Hydrologic Unit 05060002, at bridge on U.S. Highway 50, 1.3 mi southeast of Londonderry, 2.3 mi downstream from Poe Run, and 4.3 mi upstream from Little Salt Creek.

DRAINAGE AREA: 286 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: October 1938 to September 1950.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 39.8 ft³/s
 Average streamflow: 299 ft³/s (12 years)
 Minimum daily streamflow: 4.9 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	8.2	6.2	5.6	5.3	5.1	Dec.-Feb.	1	31	17	12	9.5	7.0
	7	8.7	6.6	6.1	5.8	5.6		7	34	19	14	11	7.9
	30	13	9.1	8.0	7.4	6.8		30	91	40	27	19	13
	90	26	16	13	11	9.3		90	357	191	128	88	56
May-Nov.	1	8.2	6.2	5.6	5.3	5.1	Sep.-Nov.	1	8.9	6.5	5.8	5.4	5.1
	7	8.7	6.6	6.1	5.8	5.6		7	9.2	6.9	6.2	5.8	5.6
	30	13	9.1	8.0	7.4	6.8		30	15	9.6	7.9	6.8	5.9
	90	26	16	13	11	10		90	39	19	13	9.8	7.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	8.5	11	14	18	22	28	34	55	85	133	226	394	715
May-Nov.	7.7	9.4	12	14	16	18	21	30	42	60	86	144	344
Dec.-Feb.	16	22	27	32	43	59	73	104	148	233	349	536	888
Sep.-Nov.	7.0	8.2	10	11	12	13	14	17	20	26	38	58	117

SCIOTO RIVER BASIN

03236055 Middle Fork Salt Creek near Richmond Dale, Ohio

LOCATION: Lat 39° 13' 00", long 82° 45' 46", Ross County, Hydrologic Unit 05060002, at bridge on West Junction Road, 0.2 mi upstream from Little Salt Creek, 1.7 mi north of Brocks Corner, 3.0 mi northwest of Richmond Dale.

DRAINAGE AREA: 109 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: Low-flow measurements, 1979-83 water years.

INDEX STATION: 03157500 Hocking River at Enterprise, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.9 ft³/s October 1981.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.9	0.9	0.7	Dec.-Feb.	1	6.4	1.9	1.3
	7	2.2	1.0	.8		7	8.0	2.2	1.5
	30	3.0	1.3	1.1		30	22	4.5	2.8
	90	5.1	1.9	1.5		90	105	24	14
May-Nov.	1	1.9	0.9	0.7	Sep.-Nov.	1	2.0	0.9	0.8
	7	2.2	1.0	.8		7	2.4	1.1	.9
	30	3.0	1.3	1.1		30	3.5	1.4	1.1
	90	5.6	1.9	1.5		90	9.7	2.4	1.7

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.3	1.8	2.6	3.4	4.4
May-Nov.	1.2	1.6	2.1	2.6	3.1
Dec.-Feb.	2.0	3.0	4.9	7.5	10
Sep.-Nov.	1.0	1.3	1.7	2.0	2.3

SCIOTO RIVER BASIN

03236200 Little Salt Creek at Jackson, Ohio

LOCATION: Lat 39° 03' 13", long 82° 38' 05", Jackson County, Hydrologic Unit 05060002, at bridge on U.S. Highway 35, in Jackson, 0.6 mi upstream from Horse Creek.

DRAINAGE AREA: 33.6 mi².

TRIBUTARY TO: Salt Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1966 and 1978-82 water years.

INDEX STATION: 03157500 Hocking River at Enterprise, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.6 ft³/s October 1981.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.4	0.1	0.1	Dec.-Feb.	1	1.7	0.3	0.2
	7	.4	.2	.1		7	2.2	.4	.3
	30	.6	.2	.2		30	8.3	1.0	.6
	90	1.2	.4	.3		90	61	9.0	4.6
May-Nov.	1	0.4	0.1	0.1	Sep.-Nov.	1	0.4	0.1	0.1
	7	.4	.2	.1		7	.5	.2	.1
	30	.6	.2	.2		30	.8	.2	.2
	90	1.4	.4	.3		90	2.8	.5	.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.2	0.3	0.5	0.7	1.0
May-Nov.	.2	.3	.4	.5	.6
Dec.-Feb.	.4	.6	1.2	2.0	3.0
Sep.-Nov.	.2	.2	.3	.4	.4

SCIOTO RIVER BASIN

03236600 Little Salt Creek near Richmond Dale, Ohio

LOCATION: Lat 39° 11' 27", long 82° 46' 10", Ross County, Hydrologic Unit 05060002, at bridge on U.S. Highway 35, 0.4 mi west of Brocks Corner, 2.3 mi upstream from Middle Fork Salt Creek, 2.5 mi east of Richmond Dale.

DRAINAGE AREA: 133 mi².

TRIBUTARY TO: Salt Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1954 and 1979-83 water years.

INDEX STATION: 03157500 Hocking River at Enterprise, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.4 ft³/s October 1953.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	3.7	1.6	1.3	Dec.-Feb.	1	13	3.6	2.5
	7	4.2	1.9	1.5		7	16	4.2	2.9
	30	5.9	2.5	2.0		30	46	8.8	5.4
	90	10	3.7	2.9		90	227	49	29
May-Nov.	1	3.7	1.6	1.4	Sep.-Nov.	1	3.9	1.8	1.5
	7	4.3	1.9	1.5		7	4.6	2.0	1.7
	30	5.8	2.5	2.1		30	6.8	2.6	2.1
	90	11	3.7	2.9		90	20	4.7	3.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	2.5	3.6	5.0	6.6	8.6
May-Nov.	2.2	3.0	4.0	5.0	6.0
Dec.-Feb.	3.9	5.8	9.8	15	21
Sep.-Nov.	1.8	2.4	3.2	3.9	4.5

SCIOTO RIVER BASIN

03236800 Salt Creek at Richmond Dale, Ohio

LOCATION: Lat 39° 11' 53", long 82° 48' 49", Ross County, Hydrologic Unit 05060002, at bridge on U.S. Highway 35, 0.3 mi south of Richmond Dale, 1.2 mi upstream from Scioto River.

DRAINAGE AREA: 552 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: Low-flow measurements, 1965 and 1979-82 water years.

INDEX STATION: 03157500 Hocking River at Enterprise, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 23 ft³/s October 1981.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	11	4.5	3.6	Dec.-Feb.	1	43	11	7.2
	7	13	5.2	4.2		7	55	13	8.5
	30	18	7.2	5.7		30	176	29	17
	90	33	11	8.5		90	1010	190	104
May-Nov.	1	11	4.5	3.6	Sep.-Nov.	1	12	4.9	4.0
	7	13	5.2	4.2		7	14	5.6	4.6
	30	18	7.2	5.9		30	21	7.5	6.0
	90	37	11	8.3		90	69	14	9.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	7.1	11	15	21	28
May-Nov.	6.1	8.6	12	15	19
Dec.-Feb.	12	18	32	51	72
Sep.-Nov.	5.1	6.9	9.3	12	14

SCIOTO RIVER BASIN

03237040 Big Beaver Creek near Piketon, Ohio

LOCATION: Lat 39° 02' 41", long 83° 01' 18", Pike County, Hydrologic Unit 05060002, at bridge on State Route 124, 0.9 mi upstream from Little Beaver Creek, 1.2 mi south of Piketon.

DRAINAGE AREA: 62.0 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: Low-flow measurements, 1980-82 and 1995-99 water years.

INDEX STATION: 03237500 Ohio Brush Creek near West Union, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s Sep 1995 & 1999.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.1	0	0	Dec.-Feb.	1	3.1	0.4	0.2
	7	.2	0	0		7	4.6	.5	.2
	30	.5	0	0		30	22	2.3	.7
	90	2.3	.2	.1		90	83	27	14
May-Nov.	1	0.1	0	0	Sep.-Nov.	1	0.2	0	0
	7	.2	0	0		7	.2	0	0
	30	.5	0	0		30	.8	.1	0
	90	2.5	.2	.1		90	9.1	.5	.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0	0.2	0.4	0.7	1.2
May-Nov.	0	.1	.2	.3	.5
Dec.-Feb.	.4	1.0	3.0	4.9	6.8
Sep.-Nov.	0	0	.1	.2	.2

SCIOTO RIVER BASIN

03237130 Scioto Brush Creek at Otway, Ohio

LOCATION: Lat 38° 51' 43", long 83° 11' 24", Scioto County, Hydrologic Unit 05060002, at bridge on State Route 348 in Otway, 600 ft upstream from South Fork.

DRAINAGE AREA: 94.4 mi².

TRIBUTARY TO: Scioto River.

STREAMFLOW DATA USED: Low-flow measurements, 1956, 1972-77, 1996, 1997, and 1999 water years.

INDEX STATION: 03237500 Ohio Brush Creek near West Union, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.1 ft³/s September 1999.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.5	0.1	0	Dec.-Feb.	1	7.9	1.4	0.6
	7	.7	.1	0		7	11	1.8	.8
	30	1.6	.2	.1		30	41	6.2	2.3
	90	6.2	.8	.4		90	124	48	28
May-Nov.	1	0.5	0.1	0	Sep.-Nov.	1	0.6	0.1	0
	7	.7	.1	0		7	.8	.1	0
	30	1.6	.2	.1		30	2.5	.3	.2
	90	6.5	.9	.5		90	19	1.6	.7

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.2	0.6	1.3	2.2	3.5
May-Nov.	.1	.4	.8	1.2	1.7
Dec.-Feb.	1.3	3.1	7.7	12	15
Sep.-Nov.	.1	.2	.4	.7	.9

UPPER TWIN CREEK BASIN

03237280 Upper Twin Creek at McGaw, Ohio

LOCATION: Lat 38° 38' 37", long 83° 12' 57", Scioto County, Hydrologic Unit 05090201, on right bank 0.3 mi downstream from Brown Run, 0.3 mi upstream from Tucker Run, 0.7 mi upstream from bridge on U.S. Highway 52 at McGaw, 2.7 mi northeast of Buena Vista, and 3.2 mi upstream from mouth.

DRAINAGE AREA: 12.2 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: July 1963 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 0.30 ft³/s
 Average streamflow: 13.8 ft³/s (34 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 15 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0	0	0	0	0	Dec.-Feb.	1	0.9	0.2	0	0	0
	7	0	0	0	0	0		7	1.3	.3	.1	0	0
	30	.1	0	0	0	0		30	5.3	2.3	1.4	.8	0
	90	.5	.1	.1	0	0		90	17	11	8.3	6.6	5.1
May-Nov.	1	0	0	0	0	0	Sep.-Nov.	1	0	0	0	0	0
	7	0	0	0	0	0		7	0	0	0	0	0
	30	.1	0	0	0	0		30	.2	0	0	0	0
	90	.5	.1	.1	0	0		90	2.0	.5	.2	.1	0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0	0	0.1	0.2	0.3	0.5	0.8	1.7	3.4	6.4	11	18	33
May-Nov.	0	0	0	.1	.1	.2	.3	.5	.8	1.5	2.8	5.7	15
Dec.-Feb.	.1	.5	1.0	1.6	2.3	3.0	3.8	5.7	8.8	13	18	25	42
Sep.-Nov.	0	0	0	0	.1	.1	.1	.2	.4	.8	1.6	3.4	8.4

OHIO BRUSH CREEK BASIN

03237500 Ohio Brush Creek near West Union, Ohio

LOCATION: Lat 38° 48' 13", long 83° 25' 16", Adams County, Hydrologic Unit 05090201, on right bank at downstream side of bridge on State Route 348, 0.3 mi downstream from Cedar Run, 7.0 mi east of West Union, and 7.1 mi upstream from Beasley Fork.

DRAINAGE AREA: 387 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1926 to September 1935, October 1940 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 8.53 ft³/s
 Average streamflow: 458 ft³/s (66 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 1 year)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	2.0	0.6	0.3	0.1	0	Dec.-Feb.	1	37	12	5.6	2.5	0.8
	7	2.6	.7	.3	.2	0		7	52	16	7.6	3.4	.9
	30	6.6	1.8	.9	.5	.2		30	213	64	28	10	2.2
	90	28	7.4	3.4	1.7	.7		90	697	400	250	140	55
May-Nov.	1	2.0	0.6	0.3	0.1	0	Sep.-Nov.	1	2.5	0.6	0.3	0.1	0
	7	2.6	.7	.3	.2	0		7	3.3	.8	.4	.2	0
	30	6.7	1.8	.9	.5	.2		30	11	2.6	1.2	.6	.3
	90	30	7.8	3.5	1.8	.8		90	96	20	6.7	2.6	.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.9	2.4	5.3	9.6	16	24	35	66	108	172	276	474	1030
May-Nov.	.5	1.3	3.0	4.8	7.0	10	14	24	41	66	105	186	462
Dec.-Feb.	5.5	14	36	55	74	94	116	168	232	332	474	766	1610
Sep.-Nov.	.3	.8	1.6	2.7	3.7	4.9	6.5	11	20	36	62	116	289

BIG THREEMILE CREEK BASIN

03238020 Big Threemile Creek near Aberdeen, Ohio

LOCATION: Lat 38° 40' 22", long 83° 44' 52", Brown County, Hydrologic Unit 05090201, at bridge on State Route 763, 1.4 mi northeast of Aberdeen, 4.4 mi upstream from mouth.

DRAINAGE AREA: 19.7 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1976-78 water years.

INDEX STATION: 03237500 Ohio Brush Creek near West Union, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s Aug & Sep 1976.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0	0	0	Dec.-Feb.	1	0.9	0	0
	7	0	0	0		7	1.9	0	0
	30	0	0	0		30	30	.6	.1
	90	.6	0	0		90	300	40	13
May-Nov.	1	0	0	0	Sep.-Nov.	1	0	0	0
	7	0	0	0		7	0	0	0
	30	0	0	0		30	.1	0	0
	90	.6	0	0		90	6.2	0	0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0	0	0	.1	.2
May-Nov.	0	0	0	0	0
Dec.-Feb.	0	.1	.9	2.1	3.7
Sep.-Nov.	0	0	0	0	0

EAGLE CREEK BASIN

03238200 Eagle Creek near Ripley, Ohio

LOCATION: Lat 38° 43' 35", long 83° 47' 15", Brown County, Hydrologic Unit 05090201, at highway bridge 3.3 mi southeast of Ripley, and 0.4 mi upstream from Beetle Creek.

DRAINAGE AREA: 137 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1959-73 water years.

INDEX STATION: 03237500 Ohio Brush Creek near West Union, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s September 1964.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.2	0	0	Dec.-Feb.	1	5.3	0.7	0.3
	7	.3	0	0		7	7.8	1.0	.4
	30	.8	.1	0		30	37	4.0	1.3
	90	4.0	.4	.2		90	133	43	23
May-Nov.	1	0.2	0	0	Sep.-Nov.	1	0.3	0	0
	7	.3	0	0		7	.4	0	0
	30	.8	.1	0		30	1.4	.1	.1
	90	4.2	.4	.2		90	15	.8	.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.1	0.3	0.6	1.2	2.1
May-Nov.	0	.1	.4	.6	.9
Dec.-Feb.	.7	1.8	5.2	8.3	11
Sep.-Nov.	0	.1	.2	.3	.4

STRAIGHT CREEK BASIN

03238250 Straight Creek near Higginsport, Ohio

LOCATION: Lat 38° 47' 56", long 83° 48' 20", Brown County, Hydrologic Unit 05090201, at bridge on Straight Creek Road, 2.8 mi upstream from mouth, 3.0 mi east of Higginsport.

DRAINAGE AREA: 57.3 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1976-78 water years.

INDEX STATION: 03237500 Ohio Brush Creek near West Union, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s September 1976.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0	0	0	Dec.-Feb.	1	2.2	0.1	0
	7	0	0	0		7	3.9	.2	0
	30	.1	0	0		30	38	1.4	.3
	90	1.4	0	0		90	261	49	19
May-Nov.	1	0	0	0	Sep.-Nov.	1	0	0	0
	7	0	0	0		7	0	0	0
	30	.1	0	0		30	.3	0	0
	90	1.6	0	0		90	10	.1	0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0	0	0.1	0.2	0.5
May-Nov.	0	0	0	.1	.2
Dec.-Feb.	.1	.4	2.1	4.2	6.8
Sep.-Nov.	0	0	0	0	0

WHITE OAK CREEK BASIN

03238370 East Fork White Oak Creek near Sardinia, Ohio

LOCATION: Lat 39° 00' 24", long 83° 49' 19", Brown County, Hydrologic Unit 05090201, at State Route 32 bridge, 0.2 mi upstream from Slab Camp Run, 0.7 mi west of Sardinia.

DRAINAGE AREA: 60.1 mi².

TRIBUTARY TO: Head of White Oak Creek.

STREAMFLOW DATA USED: Low-flow measurements, 1980-82 and 1995-99 water years.

INDEX STATION: 03237500 Ohio Brush Creek near West Union, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s September 1999.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.9	0.2	0.1	Dec.-Feb.	1	6.4	1.8	1.0
	7	1.1	.3	.2		7	8.1	2.2	1.3
	30	2.0	.5	.3		30	21	5.3	2.7
	90	5.4	1.3	.8		90	46	23	16
May-Nov.	1	0.9	0.2	0.1	Sep.-Nov.	1	1.0	0.2	0.1
	7	1.1	.3	.2		7	1.2	.3	.2
	30	2.0	.5	.3		30	2.8	.6	.4
	90	5.6	1.3	.8		90	12	2.0	1.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.5	1.0	1.7	2.6	3.6
May-Nov.	.4	.7	1.2	1.6	2.1
Dec.-Feb.	1.8	3.3	6.3	8.4	10
Sep.-Nov.	.2	.5	.8	1.1	1.4

WHITE OAK CREEK BASIN

03238500 White Oak Creek near Georgetown, Ohio

LOCATION: Lat 38° 51' 29", long 83° 55' 43", Brown County, Hydrologic Unit 05090201, on left bank 150 ft upstream from diversion dam for Georgetown water-treatment plant, 0.7 mi upstream from Town Run, 1.4 mi southwest of Georgetown, and 7.2 mi upstream from mouth.

DRAINAGE AREA: 218 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1924 to November 1935, October 1939 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 3.71 ft³/s
 Average streamflow: 263 ft³/s (69 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 24 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0.3	0	0	0	0	Dec.-Feb.	1	13	4.4	2.2	1.1	0.3
	7	.8	.1	0	0	0		7	19	5.7	2.6	1.3	.5
	30	3.3	.5	.1	0	0		30	84	22	9.7	4.6	1.8
	90	16	4.2	1.9	.9	.4		90	405	202	123	75	40
May-Nov.	1	0.3	0	0	0	0	Sep.-Nov.	1	0.5	0	0	0	0
	7	.8	.1	0	0	0		7	1.1	.1	0	0	0
	30	3.5	.5	.1	0	0		30	5.4	.7	.2	0	0
	90	16	4.4	2.0	1.0	.4		90	49	10	4.1	1.7	.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.1	0.7	2.6	4.6	7.3	11	16	27	45	72	114	204	554
May-Nov.	0	.3	1.1	2.3	3.6	5.1	6.8	12	18	28	46	83	219
Dec.-Feb.	2.2	5.1	13	19	25	32	42	64	94	139	216	387	1010
Sep.-Nov.	0	0	.3	.8	1.7	2.5	3.4	6.2	10	17	29	55	147

BULLSKIN CREEK BASIN

03238650 Bullskin Creek near Felicity, Ohio

LOCATION: Lat 38° 48' 02", long 84° 03' 31", Clermont County, Hydrologic Unit 05090201, at bridge on Felicity Cedron Road, just upstream from unnamed tributary on left bank, 0.3 mi downstream from Slickaway Run, 3.3 mi southeast of Felicity.

DRAINAGE AREA: 47.7 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1976-78 water years.

INDEX STATION: 03237500 Ohio Brush Creek near West Union, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s September 1978.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0	0	0	Dec.-Feb.	1	2.1	0.1	0
	7	0	0	0		7	3.8	.2	0
	30	.1	0	0		30	36	1.4	.3
	90	1.4	0	0		90	245	47	18
May-Nov.	1	0	0	0	Sep.-Nov.	1	0	0	0
	7	0	0	0		7	0	0	0
	30	.1	0	0		30	.3	0	0
	90	1.5	0	0		90	10	.1	0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0	0	0.1	0.2	0.5
May-Nov.	0	0	0	.1	.2
Dec.-Feb.	.1	.4	2.0	4.1	6.5
Sep.-Nov.	0	0	0	0	0

BIG INDIAN CREEK BASIN

03238730 Big Indian Creek at Point Pleasant, Ohio

LOCATION: Lat 38° 53' 24", long 84° 12' 29", Clermont County, Hydrologic Unit 05090201, at bridge on State Route 756, 1.4 mi east of Point Pleasant, 1.6 mi upstream from mouth.

DRAINAGE AREA: 38.7 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1976-78 water years.

INDEX STATION: 03237500 Ohio Brush Creek near West Union, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s September 1978.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.1	0	0	Dec.-Feb.	1	2.2	0.3	0.1
	7	.1	0	0		7	3.4	.4	.1
	30	.3	0	0		30	17	1.6	.5
	90	1.6	.1	.1		90	68	21	11
May-Nov.	1	0.1	0	0	Sep.-Nov.	1	0.1	0	0
	7	.1	0	0		7	.1	0	0
	30	.3	0	0		30	.6	0	0
	90	1.8	.2	.1		90	6.8	.3	.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0	0.1	0.2	0.5	0.8
May-Nov.	0	0	.1	.2	.3
Dec.-Feb.	.2	.7	2.2	3.6	5.0
Sep.-Nov.	0	0	.1	.1	.2

LITTLE MIAMI RIVER BASIN

03238950 Little Miami River near South Charleston, Ohio

LOCATION: Lat 39° 49' 23", long 83° 39' 40", Clark County, Hydrologic Unit 05090202, at bridge on Clifton Road, 1.4 mi west of South Charleston.

DRAINAGE AREA: 9.76 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1979-82 water years.

INDEX STATION: 03240000 Little Miami River near Oldtown, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.2 ft³/s August 1982.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.2	0	0	Dec.-Feb.	1	0.6	0.2	0.1
	7	.2	.1	0		7	.7	.2	.1
	30	.2	.1	.1		30	1.4	.3	.2
	90	.4	.1	.1		90	6.5	1.1	.5
May-Nov.	1	0.2	0	0	Sep.-Nov.	1	0.2	0	0
	7	.2	.1	0		7	.2	.1	.1
	30	.2	.1	.1		30	.3	.1	.1
	90	.4	.1	.1		90	.7	.2	.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.1	0.1	0.2	0.3	0.4
May-Nov.	.1	.1	.2	.2	.3
Dec.-Feb.	.1	.2	.3	.5	.8
Sep.-Nov.	.1	.1	.1	.2	.2

LITTLE MIAMI RIVER BASIN

03240000 Little Miami River near Oldtown, Ohio

LOCATION: Lat 39° 44' 54", long 83° 55' 53", in sec. 34, R. 7, T. 4, Greene County, Hydrologic Unit 05090202, on right bank at downstream side of bridge on U.S. Highway 68, 0.8 mi downstream from Conner Branch, 0.9 mi upstream from Massies Creek, 1.3 mi northeast of Oldtown, and at mile 82.25.

DRAINAGE AREA: 129 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: August 1952 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 40.2 ft³/s
 Average streamflow: 121 ft³/s (45 years)
 Minimum daily streamflow: 3.5 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	15	9.0	6.9	5.5	4.3	Dec.-Feb.	1	31	18	14	11	8.1
	7	16	11	8.6	7.2	6.0		7	35	21	16	12	9.1
	30	18	12	9.8	8.3	7.0		30	54	29	20	15	11
	90	24	15	12	10	8.6		90	137	74	47	29	15
May-Nov.	1	15	9.1	7.0	5.6	4.3	Sep.-Nov.	1	15	8.8	6.9	5.7	4.6
	7	16	11	8.7	7.3	6.0		7	16	11	8.7	7.6	6.6
	30	19	12	10	8.5	7.1		30	20	13	10	8.8	7.5
	90	25	16	12	10	8.6		90	36	20	15	11	8.7

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	11	13	18	21	25	30	36	48	63	85	115	159	262
May-Nov.	9.4	12	15	18	20	23	26	33	43	55	72	103	173
Dec.-Feb.	12	16	23	30	37	43	50	66	84	106	140	192	307
Sep.-Nov.	8.5	11	12	14	16	17	19	22	26	33	42	56	94

LITTLE MIAMI RIVER BASIN

03240500 North Fork Massies Creek at Cedarville, Ohio

LOCATION: Lat 39° 45' 25", long 83° 47' 25", Greene County, Hydrologic Unit 05090202, on left bank at downstream side of bridge on James Barber Road, 1.0 mi upstream from confluence with South Fork, and 1.0 mi northeast of Cedarville.

DRAINAGE AREA: 28.9 mi².

TRIBUTARY TO: Little Miami River.

STREAMFLOW DATA USED: July 1954 to September 1968.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 2.76 ft³/s
 Average streamflow: 25.7 ft³/s (14 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 2 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0.7	0.2	0.1	0.1	0	Dec.-Feb.	1	4.1	1.8	1.1	0.7	0.4
	7	.9	.3	.2	.1	.1		7	5.6	2.6	1.6	1.0	.6
	30	1.2	.4	.2	.1	.1		30	9.9	4.5	2.7	1.7	.9
	90	2.2	1.0	.7	.5	.3		90	31	17	12	8.1	5.0
May-Nov.	1	0.7	0.2	0.1	0.1	0	Sep.-Nov.	1	0.7	0	0	0	0
	7	.9	.3	.2	.1	.1		7	.9	.1	0	0	0
	30	1.2	.4	.2	.1	.1		30	1.4	.5	.3	.2	.1
	90	2.3	1.1	.7	.5	.3		90	4.3	1.6	1.0	.6	.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.3	0.9	1.4	1.8	2.5	3.4	4.3	6.7	9.9	15	22	35	65
May-Nov.	.2	.5	.9	1.3	1.6	1.9	2.4	3.4	4.8	6.5	9.5	16	33
Dec.-Feb.	1.5	2.1	3.6	5.1	6.3	7.7	8.9	12	17	22	30	43	76
Sep.-Nov.	.1	.2	.6	.8	1.1	1.3	1.5	1.8	2.6	3.5	4.8	7.5	16

LITTLE MIAMI RIVER BASIN

03241000 South Fork Massies Creek near Cedarville, Ohio

LOCATION: Lat 39° 44' 20", long 83° 45' 50", Greene County, Hydrologic Unit 05090202, on right bank at downstream side of bridge on Weimer Road, 2.3 mi east of Cedarville, and 2.4 mi upstream from confluence with North Fork.

DRAINAGE AREA: 17.1 mi².

TRIBUTARY TO: Massies Creek.

STREAMFLOW DATA USED: July 1954 to September 1968.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 0.90 ft³/s
 Average streamflow: 17.7 ft³/s (14 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 14 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0.1	0	0	0	0	Dec.-Feb.	1	1.7	0.5	0.2	0.1	0
	7	.2	0	0	0	0		7	2.2	.7	.3	.2	.1
	30	.3	.1	.1	0	0		30	4.3	1.4	.7	.4	.2
	90	.7	.3	.2	0	0		90	21	10	6.0	3.7	2.0
May-Nov.	1	0.1	0	0	0	0	Sep.-Nov.	1	0.2	0	0	0	0
	7	.2	0	0	0	0		7	.2	0	0	0	0
	30	.3	.1	.1	0	0		30	.3	.1	0	0	0
	90	.7	.3	.2	0	0		90	2.0	.4	.1	0	0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0	0.2	0.3	0.5	0.8	1.3	2.1	3.6	5.3	7.9	13	21	44
May-Nov.	0	0	.2	.3	.4	.6	.8	1.5	2.6	3.8	5.5	8.9	20
Dec.-Feb.	.3	.5	1.0	2.2	3.1	3.7	4.3	6.0	8.7	12	17	27	55
Sep.-Nov.	0	0	0	.1	.2	.3	.3	.4	.7	1.0	2.2	3.4	6.2

LITTLE MIAMI RIVER BASIN

03241500 Massies Creek at Wilberforce, Ohio

LOCATION: Lat 39° 43' 22", long 83° 52' 58", Greene County, Hydrologic Unit 05090202, on left bank at bridge on Wilberforce-Clifton Road, 0.5 mi northwest of Wilberforce, 0.6 mi downstream from unnamed right bank tributary, and 1.7 mi upstream from Clark Run.

DRAINAGE AREA: 63.2 mi².

TRIBUTARY TO: Little Miami River.

STREAMFLOW DATA USED: September 1952 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 11.6 ft³/s
 Average streamflow: 64.3 ft³/s (45 years)
 Minimum daily streamflow: 0.3 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	3.6	1.8	1.2	0.8	0.5	Dec.-Feb.	1	13	6.1	3.8	2.5	1.5
	7	4.2	2.1	1.4	.9	.6		7	15	7.1	4.5	3.0	1.9
	30	5.2	2.8	2.0	1.5	1.1		30	27	12	6.4	3.9	2.0
	90	8.3	4.2	2.9	2.2	1.6		90	83	43	25	14	6.0
May-Nov.	1	3.7	1.8	1.2	0.8	0.5	Sep.-Nov.	1	3.7	1.8	1.2	0.9	0.6
	7	4.3	2.1	1.4	1.0	.6		7	4.3	2.1	1.4	1.0	.7
	30	5.3	2.9	2.0	1.5	1.1		30	6.1	3.0	2.1	1.5	1.0
	90	8.6	4.3	3.0	2.2	1.6		90	15	6.4	4.0	2.7	1.7

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	2.1	3.4	4.8	6.4	8.2	11	14	21	29	41	57	84	150
May-Nov.	1.6	2.7	3.8	4.7	5.8	6.9	8.1	12	17	23	32	48	91
Dec.-Feb.	3.9	5.3	8.8	14	17	21	25	34	45	58	78	110	184
Sep.-Nov.	1.4	2.1	3.0	3.8	4.3	4.8	5.5	7.0	8.9	12	17	26	52

LITTLE MIAMI RIVER BASIN

03242050 Little Miami River near Spring Valley, Ohio

LOCATION: Lat 39° 35' 00", long 84° 01' 49", Greene County, Hydrologic Unit 05090202, on right bank at downstream side of bridge on New Burlington Road, 0.3 mi upstream from unnamed right bank tributary, 2.2 mi southwest of Spring Valley, 2.8 mi downstream from Glady Run, and at mile 61.95.

DRAINAGE AREA: 366 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1925 to September 1935, October 1939 to September 1951, July 1968 to September 1983.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 145 ft³/s
 Average streamflow: 390 ft³/s (33 years)
 Minimum daily streamflow: 24 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	64	42	33	27	22	Dec.-Feb.	1	111	65	49	38	29
	7	69	45	36	30	24		7	126	71	52	40	29
	30	81	54	44	37	30		30	213	107	72	51	34
	90	105	67	52	42	34		90	481	233	147	95	56
May-Nov.	1	66	43	34	28	22	Sep.-Nov.	1	72	47	37	31	25
	7	70	46	36	30	24		7	76	49	39	33	27
	30	83	55	44	37	30		30	92	57	45	37	31
	90	110	68	53	42	33		90	140	79	59	46	36

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	77	90	102	116	131	148	167	211	266	335	425	563	849
May-Nov.	72	85	95	104	112	122	133	159	192	238	298	394	619
Dec.-Feb.	77	86	132	157	188	210	236	291	354	438	531	668	1000
Sep.-Nov.	65	78	90	94	99	103	109	122	140	164	196	258	412

LITTLE MIAMI RIVER BASIN

03242150 Caesar Creek near Xenia, Ohio

LOCATION: Lat 39° 37' 25", long 83° 54' 09", Greene County, Hydrologic Unit 05090202, on left bank at downstream side of bridge on Winchester Road, 0.2 mi downstream from unnamed left bank tributary, 4.5 mi south of Xenia, 7.4 mi upstream from Anderson Fork, and at mile 22.1.

DRAINAGE AREA: 71.4 mi².

TRIBUTARY TO: Little Miami River.

STREAMFLOW DATA USED: October 1968 to September 1983.

REMARKS: Since 1964, some regulation by seasonal changes in storage in Lake Shawnee, 7.2 mi upstream, drainage area 10.9 mi². Summer storage is about 1,100 acre-ft more than winter.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 7.94 ft³/s
 Average streamflow: 79.3 ft³/s (15 years)
 Minimum daily streamflow: 0.42 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	1.5	0.7	0.5	0.3	0.2	Dec.-Feb.	1	16	6.7	3.8	2.2	1.1
	7	1.8	.9	.6	.5	.3		7	19	7.8	4.3	2.5	1.3
	30	3.2	1.6	1.2	.9	.7		30	53	20	9.2	4.2	1.5
	90	8.5	3.8	2.6	1.9	1.3		90	116	65	43	29	17
May-Nov.	1	1.5	0.7	0.5	0.3	0.2	Sep.-Nov.	1	1.7	0.8	0.5	0.4	0.3
	7	1.9	.9	.6	.5	.3		7	2.0	.9	.6	.5	.4
	30	3.3	1.7	1.3	1.0	.8		30	4.1	1.7	1.1	.9	.6
	90	8.5	3.8	2.6	1.9	1.3		90	23	11	8.2	6.4	5.0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	1.2	1.7	2.8	4.5	6.9	10	14	21	32	45	65	100	180
May-Nov.	.9	1.5	2.1	2.8	3.9	5.0	6.5	10	16	23	34	56	111
Dec.-Feb.	1.5	3.1	16	20	24	29	34	45	56	74	101	146	253
Sep.-Nov.	.7	1.1	1.5	1.8	2.2	2.8	3.6	5.8	9.3	16	26	47	95

LITTLE MIAMI RIVER BASIN

03242200 Anderson Fork near New Burlington, Ohio

LOCATION: Lat 39° 33' 59", long 83° 54' 10", Greene County, Hydrologic Unit 05090202, on right bank at downstream side of bridge on Old Winchester Trail, 1.0 mi downstream from Painters Run, 3.4 mi east of New Burlington, 5.0 mi upstream from mouth, and at mile 19.7.

DRAINAGE AREA: 77.8 mi².

TRIBUTARY TO: Caesar Creek.

STREAMFLOW DATA USED: July 1968 to September 1983.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 5.21 ft³/s
 Average streamflow: 83.0 ft³/s (15 years)
 Minimum daily streamflow: 0.2 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	1.2	0.4	0.3	0.2	0.1	Dec.-Feb.	1	14	4.1	1.7	0.7	0.3
	7	1.5	.5	.3	.2	.1		7	16	4.5	1.9	.8	.3
	30	2.8	.9	.5	.3	.2		30	56	16	5.9	2.2	.6
	90	7.2	2.1	1.1	.6	.3		90	128	69	44	29	17
May-Nov.	1	1.2	0.4	0.3	0.2	0.1	Sep.-Nov.	1	1.5	0.5	0.3	0.2	0.1
	7	1.5	.6	.3	.2	.1		7	2.0	.6	.4	.2	.1
	30	3.1	1.0	.6	.3	.2		30	4.5	1.3	.6	.4	.2
	90	7.6	2.4	1.2	.7	.4		90	18	4.6	2.2	1.1	.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.5	0.9	2.1	4.2	6.7	9.4	13	20	31	44	63	102	196
May-Nov.	.4	.7	1.4	2.3	3.5	4.9	6.4	9.9	15	23	34	54	104
Dec.-Feb.	.6	1.4	11	16	21	26	32	43	57	78	108	160	286
Sep.-Nov.	.4	.5	.8	1.2	1.6	2.0	2.8	5.4	8.1	13	22	38	87

LITTLE MIAMI RIVER BASIN

03243400 Cowan Creek at Clinton County A.F.B., Ohio

LOCATION: Lat 39° 24' 25", long 83° 47' 55", Clinton County, Hydrologic Unit 05090202, at bridge on Jenkins Road, at Clinton County Air Force Base, 500 ft upstream from Indian Run, and 3.0 mi southeast of Wilmington.

DRAINAGE AREA: 29.7 mi².

TRIBUTARY TO: Todd Fork.

STREAMFLOW DATA USED: Low-flow measurements, 1959-64 water years.

INDEX STATION: 03240000 Little Miami River near Oldtown, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s several times.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.1	0	0	Dec.-Feb.	1	0.6	0	0
	7	.1	0	0		7	1.0	.1	0
	30	.1	0	0		30	4.2	.2	.1
	90	.3	0	0		90	83	2.6	.5
May-Nov.	1	0.1	0	0	Sep.-Nov.	1	0.1	0	0
	7	.1	0	0		7	.1	0	0
	30	.1	0	0		30	.2	.1	0
	90	.3	0	0		90	1.1	.1	0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0	0	0.1	0.2	0.3
May-Nov.	0	0	.1	.1	.2
Dec.-Feb.	0	.1	.3	.6	1.2
Sep.-Nov.	0	0	0	0	.1

LITTLE MIAMI RIVER BASIN

03244570 Turtle Creek at South Lebanon, Ohio

LOCATION: Lat 39° 22' 21", long 84° 13' 47", Warren County, Hydrologic Unit 05090202, at bridge on Mason Road at South Lebanon.

DRAINAGE AREA: 58.2 mi².

TRIBUTARY TO: Little Miami River.

STREAMFLOW DATA USED: Low-flow measurements, 1980-83, 1998, and 1999 water years.

INDEX STATION: 03242050 Little Miami River near Spring Valley, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.4 ft³/s September 1998.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.6	0.2	0.1	Dec.-Feb.	1	1.9	0.3	0.2
	7	.7	.2	.1		7	2.4	.4	.2
	30	1.0	.3	.2		30	7.2	.8	.4
	90	1.7	.4	.2		90	39	3.3	1.4
May-Nov.	1	0.6	0.2	0.1	Sep.-Nov.	1	0.8	0.2	0.1
	7	.7	.2	.1		7	.8	.2	.2
	30	1.0	.3	.2		30	1.3	.5	.3
	90	1.8	.4	.3		90	3.0	.5	.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.9	1.2	1.6	2.0	2.6
May-Nov.	.8	1.1	1.4	1.6	1.9
Dec.-Feb.	.9	1.1	2.7	3.8	5.5
Sep.-Nov.	.6	.9	1.2	1.3	1.5

LITTLE MIAMI RIVER BASIN

03245500 Little Miami River at Milford, Ohio

LOCATION: Lat 39° 10' 17", long 84° 17' 53", Clermont County, Hydrologic Unit 05090202, on right bank 500 ft downstream from Wooster Pike Bridge on U.S. Highway 50 in Milford, 1.2 mi upstream from East Fork, 6.4 mi downstream from North Branch Creek, and at mile 12.9.

DRAINAGE AREA: 1,203 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1975 to September 1997.

REMARKS: Some regulation since 1948 by Cowan Lake, capacity 12,000 acre-ft, 45 mi upstream on Cowan Creek, tributary to Todd Fork, and since 1973 by Caesar Creek Lake capacity 242,200 acre-ft, 41.3 mi upstream on Caesar Creek.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 420 ft³/s
 Average streamflow: 1,370 ft³/s (21 years)
 Minimum daily streamflow: 52.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	135	95	78	67	55	Dec.-Feb.	1	277	178	130	96	69
	7	141	107	94	86	78		7	316	194	140	110	79
	30	185	127	108	96	85		30	630	329	223	157	103
	90	299	194	158	135	114		90	1720	1010	718	523	351
May-Nov.	1	142	98	79	66	54	Sep.-Nov.	1	139	106	96	89	84
	7	150	112	98	88	79		7	149	114	103	96	90
	30	190	135	117	105	95		30	214	150	128	113	100
	90	299	198	164	142	122		90	546	315	238	190	148

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	113	141	178	215	255	299	345	459	609	832	1140	1820	3450
May-Nov.	109	129	154	179	203	227	254	317	399	510	704	1060	2240
Dec.-Feb.	100	183	276	340	402	464	539	714	966	1300	1780	2710	4270
Sep.-Nov.	108	120	138	154	169	185	202	240	295	369	496	715	1270

LITTLE MIAMI RIVER BASIN

03246200 East Fork Little Miami River near Marathon, Ohio

LOCATION: Lat 39° 06' 52", long 84° 01' 29", Clermont County, Hydrologic Unit 05090202, on right bank at downstream side of bridge on Blue Sky Park Road, 500 ft upstream from Fivemile Creek, 1.0 mi downstream from Sixmile Creek, 2.3 mi southwest of Marathon, and at mile 44.2.

DRAINAGE AREA: 195 mi².

TRIBUTARY TO: Little Miami River.

STREAMFLOW DATA USED: August 1968 to October 1983.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 12.5 ft³/s
 Average streamflow: 241 ft³/s (15 years)
 Minimum daily streamflow: 0.5 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	2.3	1.0	0.6	0.4	0.3	Dec.-Feb.	1	25	8.2	4.4	2.6	1.3
	7	3.0	1.3	.8	.5	.3		7	28	11	6.5	4.2	2.5
	30	6.4	2.3	1.3	.8	.5		30	128	39	17	7.6	2.7
	90	34	9.9	4.4	2.3	1.0		90	355	222	168	131	97
May-Nov.	1	2.3	1.0	0.6	0.4	0.2	Sep.-Nov.	1	3.1	1.0	0.5	0.3	0.2
	7	3.0	1.3	.8	.5	.3		7	3.2	1.2	.7	.5	.3
	30	6.9	2.4	1.4	.8	.5		30	9.1	2.5	1.2	.7	.3
	90	38	11	4.8	2.3	1.0		90	69	20	9.8	5.3	2.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	1.7	3.4	5.9	9.8	14	19	25	39	61	95	149	255	578
May-Nov.	1.0	2.3	4.1	5.7	7.9	11	14	21	30	45	72	124	302
Dec.-Feb.	4.1	9.4	19	29	42	52	64	93	130	179	267	435	897
Sep.-Nov.	.7	1.0	1.7	2.6	3.8	4.9	6.3	14	22	31	49	92	222

LITTLE MIAMI RIVER BASIN

03246500 East Fork Little Miami River at Williamsburg, Ohio

LOCATION: Lat 39° 03' 09", long 84° 03' 02", Clermont County, Hydrologic Unit 05090202, on right bank at downstream side of Main Street bridge in Williamsburg, 1.1 mi upstream from Todd Run, and 2.4 mi downstream from Crane Run.

DRAINAGE AREA: 237 mi².

TRIBUTARY TO: Little Miami River.

STREAMFLOW DATA USED: March 1949 to September 1953, October 1960 to September 1974.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 2.81 ft³/s
 Average streamflow: 273 ft³/s (18 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 4 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0.5	0	0	0	0	Dec.-Feb.	1	19	5.8	2.5	1.1	0.4
	7	.8	.1	0	0	0		7	29	8.9	4.0	1.8	.7
	30	1.7	.3	.1	0	0		30	118	35	15	6.9	2.5
	90	8.4	1.6	.6	.3	.1		90	396	210	141	98	62
May-Nov.	1	0.5	0	0	0	0	Sep.-Nov.	1	0.6	0	0	0	0
	7	.8	.1	0	0	0		7	1.1	.1	0	0	0
	30	1.7	.3	.1	0	0		30	2.5	.3	.1	0	0
	90	8.5	1.6	.6	.3	.1		90	26	2.6	.6	.2	.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.1	0.6	1.7	3.3	5.5	10	16	29	47	77	128	241	608
May-Nov.	.1	.2	.8	1.5	2.3	3.2	4.6	9.6	18	28	43	72	191
Dec.-Feb.	3.3	16	22	26	30	40	50	76	112	170	258	463	1160
Sep.-Nov.	0	.1	.2	.3	.7	1.1	1.5	2.7	5.4	15	29	50	144

LITTLE MIAMI RIVER BASIN

03247050 East Fork Little Miami River near Batavia, Ohio

LOCATION: Lat 39° 03' 36", long 84° 10' 32", Clermont County, Hydrologic Unit 05090202, on right bank on Elk Lick Road, 230 ft upstream from unnamed right bank tributary, 1,400 ft upstream from Lucy Run, 1.3 mi south of Batavia, and at mile 15.7.

DRAINAGE AREA: 352 mi².

TRIBUTARY TO: Little Miami River.

STREAMFLOW DATA USED: October 1977 to September 1994.

REMARKS: Flow regulated by William H. Harsha Reservoir, formerly East Fork Lake, since 1977.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 67.4 ft³/s
 Average streamflow: 427 ft³/s (17 years)
 Minimum daily streamflow: 4.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	20	12	8.0	5.6	3.6	Dec.-Feb.	1	32	22	19	17	15
	7	22	13	9.6	7.1	4.8		7	46	29	23	19	15
	30	32	21	17	14	11		30	119	60	43	34	26
	90	60	35	26	22	17		90	580	430	367	323	279
May-Nov.	1	22	12	8.3	5.7	3.5	Sep.-Nov.	1	24	13	8.4	5.6	3.4
	7	24	14	9.9	7.1	4.7		7	28	15	10	7.0	4.5
	30	32	21	16	14	11		30	46	24	18	13	9.9
	90	60	34	26	22	18		90	175	82	55	40	27

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	17	22	31	34	36	41	50	77	111	178	312	586	1360
May-Nov.	14	19	24	31	33	34	36	47	65	98	163	299	722
Dec.-Feb.	6.7	25	34	42	61	81	98	137	208	349	527	1020	1810
Sep.-Nov.	9.5	17	23	31	34	36	39	49	67	102	148	256	696

LITTLE MIAMI RIVER BASIN

03247500 East Fork Little Miami River at Perintown, Ohio

LOCATION: Lat 39° 08' 14", long 84° 14' 17", Clermont County, Hydrologic Unit 05090202, on right bank at upstream wingwall of highway bridge at Perintown, 0.2 mi downstream from Sugarcamp Run, 5.0 mi upstream from mouth, and at mile 6.4.

DRAINAGE AREA: 476 mi².

TRIBUTARY TO: Little Miami River.

STREAMFLOW DATA USED: October 1977 to September 1997.

REMARKS: Occasional regulation by Stonelick Lake 14 mi upstream. Surface area at spillway level, 171 acres. Flow regulated by William H. Harsha Reservoir, formerly East Fork Lake, since 1977.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 99.7 ft³/s
 Average streamflow: 629 ft³/s (20 years)
 Minimum daily streamflow: 17.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	30	24	21	19	17	Dec.-Feb.	1	51	36	30	25	22
	7	32	26	23	20	18		7	62	39	31	26	23
	30	42	29	26	23	21		30	201	97	67	49	35
	90	76	45	36	30	25		90	829	616	524	458	393
May-Nov.	1	31	25	22	19	17	Sep.-Nov.	1	33	26	22	20	17
	7	34	27	23	21	18		7	37	28	24	21	19
	30	43	30	25	23	20		30	61	35	26	21	20
	90	76	45	36	30	26		90	218	99	65	46	30

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	27	33	39	44	50	60	74	111	166	283	516	1040	2090
May-Nov.	24	30	35	38	41	45	50	65	90	130	234	465	1140
Dec.-Feb.	19	36	48	67	91	116	140	213	346	556	911	1600	2510
Sep.-Nov.	20	28	34	37	40	44	49	61	87	118	183	338	901

MILL CREEK BASIN

03255500 Mill Creek at Reading, Ohio

LOCATION: Lat 39° 13' 14", long 84° 26' 49", in sec. 32, T. 4, R. 1, Hamilton County, Hydrologic Unit 05090203, on right bank at upstream side of Koehler Street bridge at Reading, 1.0 mi upstream from West Fork Mill Creek, and 13.0 mi upstream from mouth.

DRAINAGE AREA: 73.0 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: April 1953 to September 1991.

REMARKS: Some diversion and ground-water pumpage from Mill Creek and Great Miami River basin by industrial plants of the greater Cincinnati area upstream from station.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 18.2 ft³/s
 Average streamflow: 75.4 ft³/s (38 years)
 Minimum daily streamflow: 1.8 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	4.8	3.1	2.5	2.0	1.6	Dec.-Feb.	1	9.3	5.4	4.1	3.2	2.5
	7	7.5	5.4	4.4	3.6	2.9		7	12	7.2	5.4	4.2	3.2
	30	12	8.0	6.4	5.3	4.2		30	27	13	8.6	6.0	3.9
	90	18	12	9.3	7.9	6.6		90	91	47	29	19	11
May-Nov.	1	4.9	3.2	2.5	2.1	1.6	Sep.-Nov.	1	5.9	3.7	2.9	2.4	1.9
	7	7.4	5.6	4.8	4.3	3.7		7	8.4	6.1	5.2	4.6	4.0
	30	11	8.7	7.7	6.9	6.3		30	14	9.5	8.1	7.2	6.3
	90	19	12	10	8.8	7.7		90	32	17	12	9.2	6.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	5.3	6.6	8.2	10	12	13	15	19	26	35	50	80	159
May-Nov.	4.9	6.1	7.5	8.6	9.9	11	12	15	18	22	31	49	105
Dec.-Feb.	5.3	6.8	8.9	11	14	17	20	26	34	47	65	101	194
Sep.-Nov.	5.0	6.0	7.1	7.9	8.9	10	11	13	15	18	24	36	75

MILL CREEK BASIN

03257500 West Fork Mill Creek at Woodlawn, Ohio

LOCATION: Lat 39° 15' 14", long 84° 28' 13", in NE 1/4 sec. 10, T. 3, R. 1, Hamilton County, Hydrologic Unit 05090203, on left bank at upstream side of Riddle Road bridge in Woodlawn, 0.5 mi upstream from small left bank tributary, 1.9 mi downstream from West Fork Mill Creek Dam, and 4.0 mi upstream from mouth.

DRAINAGE AREA: 32.2 mi².

TRIBUTARY TO: Mill Creek.

STREAMFLOW DATA USED: December 1952 to September 1986.

REMARKS: Flow regulated by West Fork Mill Creek Reservoir 1.9 mi upstream beginning 1953.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 0.64 ft³/s
 Average streamflow: 33.7 ft³/s (28 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 13 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0	0	0	0	0	Dec.-Feb.	1	0.7	0.1	0	0	0
	7	0	0	0	0	0		7	1.5	.2	0	0	0
	30	.9	.1	0	0	0		30	9.7	3.3	1.3	0	0
	90	7.5	1.6	.4	.1	0		90	45	21	12	6.3	2.7
May-Nov.	1	0	0	0	0	0	Sep.-Nov.	1	0	0	0	0	0
	7	0	0	0	0	0		7	0	0	0	0	0
	30	.9	.1	0	0	0		30	2.0	.2	0	0	0
	90	5.1	1.7	.9	.5	.3		90	12	3.6	1.7	.8	.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0	0	0.1	0.3	0.6	1.2	1.9	3.6	6.3	10	18	31	81
May-Nov.	0	0	0	.1	.2	.4	.6	1.5	2.7	4.8	8.6	17	43
Dec.-Feb.	0	.1	.7	1.3	2.1	3.0	3.9	6.1	9.6	16	25	41	113
Sep.-Nov.	0	0	0	0	.1	.2	.3	.7	1.6	3.1	5.9	13	33

MILL CREEK BASIN

03259000 Mill Creek at Carthage, Ohio

LOCATION: Lat 39° 12' 07", long 84° 28' 16", in SW 1/4 sec. 1, T. 3, R. 1, Hamilton County, Hydrologic Unit 05090203, on right bank at Anthony Wayne Avenue bridge in Carthage, 1.0 mi downstream from West Fork Mill Creek, and 11.0 mi upstream from mouth.

DRAINAGE AREA: 115 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: April 1952 to September 1997.

REMARKS: Some inter-basin transfers of water between Mill Creek and Great Miami River basins by industrial and municipal operations. Flow regulated by West Fork Mill Creek Reservoir, 6.9 mi upstream, beginning 1953.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 23.3 ft³/s
 Average streamflow: 116 ft³/s (45 years)
 Minimum daily streamflow: 1.2 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	5.5	3.0	2.1	1.6	1.1	Dec.-Feb.	1	12	6.1	4.2	3.1	2.1
	7	8.6	5.8	4.7	4.0	3.3		7	15	9.7	7.8	6.5	5.4
	30	14	9.3	7.5	6.3	5.2		30	41	22	16	12	8.2
	90	27	15	11	8.8	6.6		90	139	76	50	33	20
May-Nov.	1	6.0	3.3	2.3	1.7	1.2	Sep.-Nov.	1	6.9	3.9	2.8	2.0	1.4
	7	9.0	6.0	4.9	4.1	3.3		7	10	6.9	5.6	4.8	4.0
	30	15	9.5	7.6	6.3	5.2		30	18	11	8.2	6.5	5.1
	90	28	16	12	9.3	7.0		90	48	22	15	10	6.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	5.9	8.0	10	12	14	17	20	27	37	53	78	123	277
May-Nov.	5.2	6.9	8.8	10	12	13	15	18	24	32	47	79	180
Dec.-Feb.	7.6	10	14	17	20	24	28	39	52	72	101	160	362
Sep.-Nov.	4.7	6.4	7.9	9.1	10	12	13	15	19	25	35	59	133

GREAT MIAMI RIVER BASIN

03260450 South Fork Great Miami River near Huntsville, Ohio

LOCATION: Lat 40° 28' 43", long 83° 48' 43", Logan County, Hydrologic Unit 05080001, at bridge of State Route 117, 3.3 mi upstream from Indian Lake, 2.5 mi north of Huntsville.

DRAINAGE AREA: 47.5 mi².

TRIBUTARY TO: Head of Great Miami River.

STREAMFLOW DATA USED: Low-flow measurements, 1981, 1982, and 1994-99 water years.

INDEX STATION: 03267000 Mad River near Urbana, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.8 ft³/s September 1999.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.8	0.8	0.7	Dec.-Feb.	1	2.4	1.0	0.7
	7	1.9	.9	.8		7	2.6	1.1	.8
	30	2.2	1.1	.9		30	3.7	1.4	1.0
	90	2.6	1.2	1.0		90	8.0	2.4	1.6
May-Nov.	1	2.0	1.0	0.8	Sep.-Nov.	1	2.0	1.0	0.8
	7	2.1	1.1	.9		7	2.2	1.1	.9
	30	2.3	1.2	.9		30	2.3	1.1	1.0
	90	2.8	1.3	1.1		90	3.0	1.4	1.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.1	1.3	1.6	2.0	2.3
May-Nov.	1.0	1.3	1.6	1.9	2.1
Dec.-Feb.	1.0	1.2	1.5	1.8	2.2
Sep.-Nov.	.9	1.1	1.3	1.4	1.6

GREAT MIAMI RIVER BASIN

03260600 Great Miami River at Russells Point, Ohio

LOCATION: Lat 40° 27' 02", long 83° 54' 25", Logan County, Hydrologic Unit 05080001, in N. 1/2 sec. 11, T. 7 S., R. 8 E., on concrete bridge 2.7 mi upstream from Muchinippi Creek.

DRAINAGE AREA: 133 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1947-49 and 1957-63 water years.

INDEX STATION: 03261500 Great Miami River at Sidney, Ohio.

REMARKS: Flow regulated by Indian Lake.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 2.9 ft³/s October 1963.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	4.7	2.5	2.0	Dec.-Feb.	1	9.2	4.9	4.1
	7	5.1	3.1	2.7		7	10	5.4	4.5
	30	6.0	3.6	3.2		30	19	7.2	5.6
	90	8.4	4.5	3.9		90	52	18	13
May-Nov.	1	4.7	2.5	2.0	Sep.-Nov.	1	5.0	2.6	2.1
	7	5.2	3.1	2.7		7	5.3	3.2	2.8
	30	6.0	3.6	3.2		30	6.4	3.8	3.4
	90	8.5	4.5	3.9		90	13	5.9	4.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	3.9	4.7	5.7	6.7	7.7
May-Nov.	3.5	4.2	5.0	5.6	6.3
Dec.-Feb.	5.2	6.1	7.4	9.0	11
Sep.-Nov.	3.3	3.8	4.4	4.9	5.4

GREAT MIAMI RIVER BASIN

03260620 Muchinippi Creek near Russells Point, Ohio

LOCATION: Lat 40° 26' 21", long 83° 56' 28", Logan County, Hydrologic Unit 05080001, 2.3 mi upstream from mouth at State Route 274 bridge, 3.5 mi southwest of Russells Point.

DRAINAGE AREA: 86.2 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: Low-flow measurements, 1959 and 1972-74 water years.

INDEX STATION: 03262000 Loramie Creek at Lockington, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.8 ft³/s September 1959.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.2	0.5	0.4	Dec.-Feb.	1	3.8	1.4	1.0
	7	1.4	.7	.6		7	4.7	1.5	1.1
	30	1.8	.8	.7		30	15	2.4	1.4
	90	3.5	1.2	.9		90	113	21	11
May-Nov.	1	1.2	0.5	0.4	Sep.-Nov.	1	1.3	0.5	0.4
	7	1.4	.7	.6		7	1.5	.7	.6
	30	1.8	.8	.7		30	2.2	.8	.7
	90	3.6	1.2	.9		90	8.4	1.4	.9

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.9	1.2	1.7	2.2	2.7
May-Nov.	.8	1.0	1.4	1.7	2.0
Dec.-Feb.	1.3	1.7	2.5	3.7	5.4
Sep.-Nov.	.6	.9	1.1	1.3	1.5

GREAT MIAMI RIVER BASIN

03260700 Bokengehalas Creek near DeGraff, Ohio

LOCATION: Lat 40° 20' 50", long 83° 53' 28", in E 1/2 sec. 3, T. 2, R. 14, Logan County, Hydrologic Unit 05080001, on right bank at downstream side of county road bridge, 2.0 mi downstream from Bluejacket Creek, 2.8 mi northeast of DeGraff, and 4.0 mi upstream from mouth.

DRAINAGE AREA: 36.3 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: October 1957 to September 1991.

REMARKS: Diurnal fluctuation caused by municipal plant operation in Bellefontaine, 9.8 mi upstream, because storage capacity is small, daily flows are not affected appreciably.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 13.8 ft³/s
 Average streamflow: 34.0 ft³/s (34 years)
 Minimum daily streamflow: 2.2 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	5.6	3.9	3.2	2.7	2.2	Dec.-Feb.	1	9.8	5.9	4.5	3.6	2.7
	7	6.2	4.4	3.7	3.2	2.7		7	11	6.7	5.0	3.9	2.9
	30	7.3	5.3	4.4	3.9	3.3		30	17	9.5	6.8	5.2	3.8
	90	9.2	6.4	5.3	4.5	3.8		90	39	22	14	8.8	4.8
May-Nov.	1	5.9	4.0	3.3	2.7	2.2	Sep.-Nov.	1	6.1	4.3	3.6	3.1	2.6
	7	6.5	4.6	3.9	3.3	2.8		7	6.8	4.8	4.0	3.4	2.9
	30	7.4	5.3	4.5	3.9	3.4		30	7.6	5.3	4.5	4.0	3.5
	90	9.3	6.4	5.3	4.6	3.9		90	12	7.3	5.9	5.0	4.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	4.4	5.2	6.2	7.2	8.4	9.7	12	15	19	24	33	45	72
May-Nov.	4.3	5.0	5.8	6.5	7.2	8.0	8.7	11	13	17	21	29	46
Dec.-Feb.	4.6	5.1	6.7	8.6	11	14	16	19	24	29	38	53	86
Sep.-Nov.	3.8	4.4	5.1	5.6	6.0	6.6	7.1	8.1	9.3	12	14	18	27

GREAT MIAMI RIVER BASIN

03260800 Stony Creek near DeGraff, Ohio

LOCATION: Lat 40° 17' 27", long 83° 54' 36", in NW 1/4 sec. 5, T. 3, R. 13, Logan County, Hydrologic Unit 05080001, on right bank at downstream side of county road bridge, 0.6 mi downstream from Lee Creek, 1.5 mi south of DeGraff, and 1.5 mi upstream from mouth.

DRAINAGE AREA: 59.1 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: October 1957 to October 1975.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 22.1 ft³/s
 Average streamflow: 53.1 ft³/s (18 years)
 Minimum daily streamflow: 5.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	11	7.4	6.1	5.2	4.3	Dec.-Feb.	1	17	11	8.4	6.9	5.5
	7	11	7.7	6.4	5.5	4.7		7	18	12	8.9	7.2	5.6
	30	12	8.5	7.2	6.2	5.4		30	27	15	11	8.7	6.5
	90	15	9.8	8.0	6.8	5.6		90	60	33	23	16	11
May-Nov.	1	11	7.4	6.1	5.2	4.3	Sep.-Nov.	1	11	7.6	6.2	5.3	4.4
	7	11	7.7	6.4	5.5	4.7		7	12	8.0	6.6	5.6	4.7
	30	12	8.5	7.2	6.2	5.4		30	14	8.8	7.2	6.2	5.2
	90	15	9.8	7.9	6.7	5.6		90	18	11	9.1	7.8	6.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	7.3	8.7	10	12	14	16	18	22	28	36	48	66	108
May-Nov.	7.0	7.9	9.1	10	12	13	14	17	21	25	31	42	62
Dec.-Feb.	8.0	10	12	14	17	20	23	30	36	45	60	84	139
Sep.-Nov.	5.9	7.1	8.4	9.2	9.8	11	12	14	16	19	23	29	39

GREAT MIAMI RIVER BASIN

03261500 Great Miami River at Sidney, Ohio

LOCATION: Lat 40° 17' 13", long 84° 09' 00", Shelby County, Hydrologic Unit 05080001, on right bank 50 ft upstream from North Street Bridge in Sidney, and 0.5 mi downstream from Tawawa Creek.

DRAINAGE AREA: 541 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1926 to September 1997.

REMARKS: Water supply for city of Sidney is pumped from the Great Miami River 1,200 ft upstream and from wells adjacent to Great Miami River upstream from station. The pumpage averaged 5.09 ft³/s in 1996 and is returned as sewage 1.2 mi downstream from the station. Some regulation by Indian Lake, 28 mi upstream, capacity, 45,900 acre-ft; water diverted into Miami and Erie Canal at Port Jefferson, 2.8 mi upstream, prior to 1926; amount of diversion not published.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 111 ft³/s
 Average streamflow: 491 ft³/s (71 years)
 Minimum daily streamflow: 8.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	36	23	17	14	11	Dec.-Feb.	1	78	49	38	31	25
	7	40	27	22	19	16		7	90	54	42	34	27
	30	47	32	27	23	20		30	175	85	59	44	32
	90	70	43	35	29	25		90	568	271	174	116	72
May-Nov.	1	37	23	17	14	11	Sep.-Nov.	1	38	24	18	15	11
	7	40	27	22	19	16		7	42	28	23	20	17
	30	48	32	27	23	20		30	52	34	28	25	23
	90	71	43	35	29	25		90	118	63	47	37	29

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	29	36	45	54	64	76	90	129	182	260	382	618	1280
May-Nov.	26	32	38	44	51	57	65	83	110	150	207	311	599
Dec.-Feb.	41	49	61	76	95	116	138	199	280	385	550	899	1740
Sep.-Nov.	24	29	34	38	42	46	51	60	74	95	131	200	369

GREAT MIAMI RIVER BASIN

03261950 Loramie Creek near Newport, Ohio

LOCATION: Lat 40° 18' 25", long 84° 23' 02", in SE 1/4 sec 24, T. 11 N., R. 4 E., Shelby County, Hydrologic Unit 05080001, right bank at downstream side of bridge on Cardo Roman Road, 1.1 mi northwest of Newport, 3.0 mi south of Fort Loramie, 3.0 mi downstream from Mile Creek, and at mile 16.5.

DRAINAGE AREA: 152 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: October 1964 to September 1997.

REMARKS: Some regulation by Lake Loramie 5 mi upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 4.21 ft³/s
 Average streamflow: 139 ft³/s (33 years)
 Minimum daily streamflow: 0.1 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0.8	0.4	0.2	0.2	0.1	Dec.-Feb.	1	4.8	1.7	0.8	0.5	0.2
	7	1.1	.5	.3	.2	.2		7	5.8	2.2	1.2	.7	.4
	30	1.8	.8	.5	.4	.3		30	24	6.3	2.9	1.5	.7
	90	6.1	1.9	1.1	.7	.4		90	174	85	49	28	14
May-Nov.	1	0.8	0.4	0.2	0.2	0.1	Sep.-Nov.	1	0.9	0.4	0.3	0.2	0.1
	7	1.1	.5	.4	.2	.2		7	1.3	.6	.4	.3	.2
	30	1.9	.8	.6	.4	.3		30	2.9	1.2	.8	.6	.5
	90	6.2	2.0	1.1	.7	.5		90	22	6.0	3.1	1.8	1.0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.6	1.0	1.7	2.5	3.5	4.7	6.6	14	25	43	78	156	363
May-Nov.	.5	.8	1.2	1.6	2.2	2.7	3.4	5.1	8.9	17	30	63	174
Dec.-Feb.	.9	1.6	3.4	5.8	8.6	12	17	29	46	76	131	239	520
Sep.-Nov.	.4	.7	1.0	1.2	1.5	1.9	2.4	3.4	4.9	7.7	15	36	129

GREAT MIAMI RIVER BASIN

03262000 Loramie Creek at Lockington, Ohio

LOCATION: Lat 40° 12' 35", long 84° 14' 32", in NE 1/4 sec. 30, T. 7 N., R. 6 E., Shelby County, Hydrologic Unit 05080001, on left bank at downstream side of county road bridge, 1,300 ft downstream from Lockington Dam, 0.5 mi northwest of Lockington, and at mile 1.9.

DRAINAGE AREA: 257 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: October 1915 to September 1997.

REMARKS: Slight regulation by Lake Loramie, 18 mi upstream, capacity 13,000 acre-ft. Flood flow regulated by Lockington retarding basin beginning in 1921.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 19.7 ft³/s
 Average streamflow: 215 ft³/s (81 years)
 Minimum daily streamflow: 0.8 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	5.4	3.2	2.5	2.0	1.6	Dec.-Feb.	1	15	8.1	6.0	4.7	3.6
	7	6.0	3.9	3.2	2.7	2.4		7	18	9.2	6.6	5.0	3.6
	30	7.5	4.7	3.8	3.4	2.9		30	47	17	9.8	6.3	3.8
	90	14	6.9	5.2	4.2	3.4		90	274	114	64	37	19
May-Nov.	1	5.5	3.2	2.5	2.0	1.6	Sep.-Nov.	1	5.7	3.3	2.6	2.1	1.7
	7	6.1	3.9	3.2	2.8	2.4		7	6.5	4.0	3.2	2.8	2.4
	30	7.7	4.7	3.9	3.3	2.9		30	9.0	4.9	3.8	3.2	2.8
	90	14	7.1	5.3	4.3	3.4		90	29	10	6.3	4.3	2.9

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	4.2	5.5	7.3	8.9	11	14	17	27	44	69	116	224	551
May-Nov.	3.7	4.7	6.1	7.3	8.4	9.6	11	16	22	32	50	83	217
Dec.-Feb.	5.6	7.4	10	14	20	26	33	52	79	125	204	382	870
Sep.-Nov.	3.1	4.1	4.9	5.7	6.5	7.2	8.0	9.8	12	16	24	49	128

GREAT MIAMI RIVER BASIN

03262500 Great Miami River at Piqua, Ohio

LOCATION: Lat 40° 08' 58", long 84° 13' 48", Miami County, Hydrologic Unit 05080001, on North Main Street (U.S. Highway 36) bridge in Piqua, and 3.0 mi downstream from Loramic Creek.

DRAINAGE AREA: 866 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1948 and 1956-70 water years.

INDEX STATION: 03263000 Great Miami River at Taylorsville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 11 ft³/s October 1963.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	38	19	16	Dec.-Feb.	1	93	37	27
	7	43	23	19		7	112	41	31
	30	54	27	23		30	237	61	41
	90	82	37	30		90	887	208	126
May-Nov.	1	38	20	17	Sep.-Nov.	1	39	22	19
	7	43	24	20		7	43	25	23
	30	54	28	24		30	59	29	26
	90	84	37	31		90	134	45	35

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	29	37	48	60	74
May-Nov.	27	33	41	48	56
Dec.-Feb.	36	47	65	85	111
Sep.-Nov.	25	30	34	39	44

GREAT MIAMI RIVER BASIN

03262700 Great Miami River at Troy, Ohio

LOCATION: Lat 40° 02' 25", long 84° 11' 52", Miami County, Hydrologic Unit 05080001, 400 ft downstream from B & O Railroad bridge, 1,300 ft downstream from bridge on State Route 55 at Troy, 1.2 mi upstream from small left bank tributary, 2.3 mi downstream from Spring Creek, and at mile 105.

DRAINAGE AREA: 926 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1962 to September 1997.

REMARKS: Flood flow regulated by retarding basin on Loramie Creek, 18 mi upstream. Low and medium flow slightly regulated by Indian Lake; capacity, 45,900 acre-ft, 54 mi upstream. Water supply for city of Troy is pumped from wells adjacent to the Great Miami River upstream from the station. The pumpage averaged 7.6 ft³/s in 1996 and is returned as sewage 1 mi downstream from station.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 175 ft³/s
 Average streamflow: 851 ft³/s (35 years)
 Minimum daily streamflow: 4.3 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	60	30	19	12	6.9	Dec.-Feb.	1	133	76	56	43	31
	7	67	42	32	26	20		7	147	82	59	45	33
	30	80	49	38	30	24		30	270	122	81	58	39
	90	115	65	50	41	33		90	975	456	278	175	98
May-Nov.	1	62	30	19	12	6.9	Sep.-Nov.	1	62	38	30	24	19
	7	69	43	34	27	21		7	70	44	35	29	23
	30	82	51	40	33	27		30	89	52	41	34	29
	90	116	65	50	41	33		90	211	96	66	49	35

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	41	55	72	87	106	128	155	224	313	440	642	1060	2260
May-Nov.	37	49	61	72	81	93	106	140	189	259	359	555	1160
Dec.-Feb.	46	72	98	126	154	193	233	326	430	598	834	1410	2810
Sep.-Nov.	31	42	52	59	66	73	79	95	118	153	210	308	656

GREAT MIAMI RIVER BASIN

03262800 Lost Creek near Troy, Ohio

LOCATION: Lat 40° 01' 05", long 84° 09' 25", Miami County, Hydrologic Unit 05080001, at Knoop Road bridge, 0.2 mi south of State Route 41, 2.8 mi southeast of Troy, 2.8 mi southwest of Casstown, and 4.3 mi upstream from mouth.

DRAINAGE AREA: 55.3 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: Low-flow measurements, 1959 and 1961-70 water years.

INDEX STATION: 03263000 Great Miami River at Taylorsville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.5 ft³/s September 1963.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.7	0.6	0.5	Dec.-Feb.	1	6.2	1.6	1.0
	7	2.1	.8	.6		7	8.0	1.9	1.3
	30	2.8	1.1	.8		30	23	3.3	1.9
	90	5.2	1.6	1.2		90	154	19	9.5
May-Nov.	1	1.7	0.7	0.5	Sep.-Nov.	1	1.8	0.8	0.6
	7	2.1	.9	.7		7	2.1	1.0	.8
	30	2.8	1.1	.9		30	3.2	1.2	1.0
	90	5.3	1.7	1.3		90	10	2.2	1.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.2	1.6	2.4	3.3	4.4
May-Nov.	1.1	1.4	1.9	2.4	3.0
Dec.-Feb.	1.6	2.4	3.7	5.4	8.0
Sep.-Nov.	1.0	1.2	1.5	1.8	2.1

GREAT MIAMI RIVER BASIN

03262900 Honey Creek near New Carlisle, Ohio

LOCATION: Lat 39° 58' 11", long 84° 06' 33", Miami County, Hydrologic Unit 05080001, at bridge on Rudy Road, 0.5 mi downstream from Indian Creek, and 5.0 mi northwest of New Carlisle.

DRAINAGE AREA: 72.8 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: Low-flow measurements, 1969-74 water years.

INDEX STATION: 03264000 Greenville Creek near Bradford, Ohio.

REMARKS: New Carlisle ground-water supply is discharged as sewage into Honey Creek, 5.0 mi upstream from station. Average sewage discharge was 377,000 gal/d in 1971.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 7.8 ft³/s June 1971.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	6.7	3.3	2.7	Dec.-Feb.	1	15	7.3	5.8
	7	8.0	4.3	3.6		7	17	8.0	6.4
	30	9.4	5.2	4.4		30	29	10	7.7
	90	13	6.9	5.9		90	82	25	17
May-Nov.	1	6.7	3.3	2.7	Sep.-Nov.	1	7.0	3.6	3.1
	7	8.1	4.3	3.6		7	8.1	4.5	3.9
	30	9.5	5.2	4.4		30	11	5.6	4.8
	90	13	6.9	6.0		90	21	8.2	6.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	5.5	6.9	9.0	11	13
May-Nov.	5.0	6.1	7.7	9.2	10
Dec.-Feb.	6.4	8.6	11	14	17
Sep.-Nov.	4.5	5.5	6.6	7.6	8.6

GREAT MIAMI RIVER BASIN

03263000 Great Miami River at Taylorsville, Ohio

LOCATION: Lat 39° 52' 27", long 84° 09' 45", in SW 1/4 sec. 36, R. 8, T. 2, Montgomery County, Hydrologic Unit 05080001, on right upstream face of Taylorsville Dam, 0.8 mi north of Taylorsville, 2.1 mi east of Vandalia, 9.5 mi upstream from Stillwater River, and at mile 90.9.

DRAINAGE AREA: 1,149 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1921 to September 1997.

REMARKS: Flood flow regulated by retarding basins on Great Miami River just downstream from station and on Loramie Creek 28 mi upstream from station beginning in 1921. Low and medium flow slightly regulated by Indian Lake, 64 mi upstream from station, and by Lake Loramie 47 mi upstream from station on Loramie Creek; combined capacity, 58,900 acre-ft.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 241 ft³/s
 Average streamflow: 1,020 ft³/s (76 years)
 Minimum daily streamflow: 25.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	78	52	43	37	31	Dec.-Feb.	1	168	98	73	57	43
	7	87	60	50	43	37		7	197	112	83	65	48
	30	105	70	58	50	43		30	377	175	116	83	56
	90	151	94	75	64	54		90	1180	544	337	218	127
May-Nov.	1	78	53	44	38	33	Sep.-Nov.	1	80	56	48	43	38
	7	87	61	52	45	40		7	87	62	54	49	46
	30	105	72	60	53	46		30	114	74	62	56	50
	90	154	95	76	65	54		90	231	121	90	73	59

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	62	76	95	116	138	163	196	283	394	555	807	1270	2480
May-Nov.	58	69	82	95	109	124	142	185	244	330	447	661	1250
Dec.-Feb.	74	94	124	156	197	246	300	427	588	805	1140	1800	3450
Sep.-Nov.	54	63	71	80	88	96	104	127	154	197	259	369	698

GREAT MIAMI RIVER BASIN

03263195 Swamp Creek at Versailles, Ohio

LOCATION: Lat 40° 12' 45", long 84° 29' 55", Darke County, Hydrologic Unit 05080001, at bridge on State Route 121, 1.0 mi southwest of Versailles.

DRAINAGE AREA: 58.8 mi².

TRIBUTARY TO: Stillwater River.

STREAMFLOW DATA USED: Low-flow measurements, 1971, 1976, 1977, and 1980-82 water years.

INDEX STATION: 03264000 Greenville Creek near Bradford, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.9 ft³/s August 1971.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.9	0.4	0.3	Dec.-Feb.	1	2.4	1.0	0.7
	7	1.1	.5	.4		7	2.8	1.1	.8
	30	1.4	.6	.5		30	5.7	1.5	1.0
	90	2.1	.9	.7		90	22	4.7	2.8
May-Nov.	1	0.9	0.4	0.3	Sep.-Nov.	1	0.9	0.4	0.3
	7	1.1	.5	.4		7	1.1	.5	.4
	30	1.4	.6	.5		30	1.6	.7	.6
	90	2.1	.9	.8		90	3.7	1.1	.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.7	0.9	1.3	1.6	2.0
May-Nov.	.6	.8	1.0	1.3	1.5
Dec.-Feb.	.8	1.2	1.7	2.3	2.9
Sep.-Nov.	.5	.7	.8	1.0	1.2

GREAT MIAMI RIVER BASIN

03263390 Greenville Creek near Coletown, Ohio

LOCATION: Lat 40° 08' 54", long 84° 43' 56", Darke County, Hydrologic Unit 05080001, at bridge on Fisher Road, 1.9 mi northwest of Coletown.

DRAINAGE AREA: 69.2 mi².

TRIBUTARY TO: Stillwater River.

STREAMFLOW DATA USED: Low-flow measurements, 1981, 1982, and 1995-99 water years.

INDEX STATION: 03264000 Greenville Creek near Bradford, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 3.3 ft³/s September 1999.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	4.8	2.6	2.2	Dec.-Feb.	1	9.4	5.1	4.2
	7	5.6	3.3	2.8		7	10	5.6	4.6
	30	6.4	3.8	3.4		30	16	6.9	5.4
	90	8.4	4.9	4.3		90	40	15	10
May-Nov.	1	4.8	2.6	2.2	Sep.-Nov.	1	5.0	2.8	2.5
	7	5.6	3.3	2.8		7	5.6	3.4	3.0
	30	6.4	3.8	3.4		30	7.1	4.1	3.6
	90	8.5	4.9	4.3		90	12	5.7	4.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	4.0	4.9	6.2	7.2	8.2
May-Nov.	3.8	4.4	5.4	6.2	6.9
Dec.-Feb.	4.6	5.9	7.5	9.0	10
Sep.-Nov.	3.4	4.0	4.7	5.3	5.9

GREAT MIAMI RIVER BASIN

03264000 Greenville Creek near Bradford, Ohio

LOCATION: Lat 40° 06' 08", Long 84° 25' 48", in NW 1/4 sec. 34, T. 9 N., R. 4 E., Miami County, Hydrologic Unit 05080001, on left bank at downstream side of bridge on State Route 721, 0.8 mi downstream from small left bank tributary, 1.8 mi south of Bradford, and 6.0 mi upstream from mouth.

DRAINAGE AREA: 193 mi².

TRIBUTARY TO: Stillwater River.

STREAMFLOW DATA USED: October 1930 to September 1997.

REMARKS: Some diurnal fluctuation caused by mill 8 mi upstream from station; daily flows are not affected appreciably.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 48.8 ft³/s
 Average streamflow: 179 ft³/s (67 years)
 Minimum daily streamflow: 5.3 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	16	10	7.9	6.4	5.1	Dec.-Feb.	1	35	22	17	14	11
	7	19	13	10	8.5	6.9		7	40	25	19	15	12
	30	22	15	12	10	8.9		30	69	35	25	18	13
	90	31	20	16	14	12		90	197	94	60	40	24
May-Nov.	1	16	10	7.9	6.4	5.1	Sep.-Nov.	1	17	11	8.6	7.3	6.1
	7	19	13	10	8.5	6.9		7	19	13	11	9.3	8.0
	30	23	15	12	10	8.8		30	25	16	13	11	9.7
	90	31	20	16	14	12		90	49	26	20	15	12

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	13	16	22	26	30	35	41	55	75	102	142	212	403
May-Nov.	12	14	18	22	25	28	31	38	49	64	87	124	217
Dec.-Feb.	15	21	27	34	40	47	56	76	98	130	181	280	529
Sep.-Nov.	11	13	16	18	20	23	25	29	34	41	51	70	123

GREAT MIAMI RIVER BASIN

03265000 Stillwater River at Pleasant Hill, Ohio

LOCATION: Lat 40° 03' 28", long 84° 21' 22", in SW 1/4 sec. 18, T. 7 N., R. 5 E., Miami County, Hydrologic Unit 05080001, on left bank at downstream side of bridge on Laurer Road, 0.8 mi northwest of Pleasant Hill, 2.0 mi downstream from Painter Creek, 2.0 mi upstream from Canyon Run, and at mile 28.35.

DRAINAGE AREA: 503 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: October 1916 to September 1928, December 1934 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 79.5 ft³/s
 Average streamflow: 454 ft³/s (75 years)
 Minimum daily streamflow: 4.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	20	11	8.1	6.2	4.5	Dec.-Feb.	1	56	31	22	16	12
	7	27	16	13	10	7.9		7	70	38	28	21	15
	30	34	21	17	14	12		30	131	58	38	27	18
	90	54	31	24	20	17		90	518	237	145	92	52
May-Nov.	1	21	11	8.1	6.2	4.5	Sep.-Nov.	1	22	12	9.0	7.1	5.4
	7	27	16	13	10	7.9		7	29	17	13	11	8.7
	30	35	22	17	14	12		30	40	23	18	15	13
	90	54	31	25	21	17		90	95	42	29	21	16

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	17	25	34	42	52	61	73	103	148	209	304	494	1040
May-Nov.	14	20	28	34	40	46	52	67	89	122	171	254	515
Dec.-Feb.	23	30	44	59	72	89	105	148	207	288	409	675	1420
Sep.-Nov.	12	16	22	27	31	35	39	47	57	69	92	141	293

GREAT MIAMI RIVER BASIN

03265395 Ludlow Creek at Ludlow Falls, Ohio

LOCATION: Lat 39° 59' 52", long 84° 20' 15", Miami County, Hydrologic Unit 05080001, at bridge on State Route 48, at Ludlow.

DRAINAGE AREA: 62.9 mi².

TRIBUTARY TO: Stillwater River.

STREAMFLOW DATA USED: Low-flow measurements, 1964, 1965, and 1980-83 water years.

INDEX STATION: 03264000 Greenville Creek near Bradford, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.7 ft³/s October 1963.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.2	0.4	0.3	Dec.-Feb.	1	4.6	1.4	1.0
	7	1.6	.6	.4		7	5.7	1.6	1.1
	30	2.2	.8	.6		30	14	2.5	1.5
	90	3.8	1.3	1.0		90	84	11	5.7
May-Nov.	1	1.2	0.4	0.3	Sep.-Nov.	1	1.3	0.4	0.3
	7	1.7	.6	.4		7	1.7	.6	.5
	30	2.2	.8	.6		30	2.7	.9	.7
	90	3.8	1.3	1.0		90	8.2	1.7	1.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.9	1.3	2.0	2.7	3.6
May-Nov.	.8	1.0	1.5	2.0	2.6
Dec.-Feb.	1.1	1.9	3.0	4.3	5.8
Sep.-Nov.	.6	.9	1.2	1.5	1.8

GREAT MIAMI RIVER BASIN

03266000 Stillwater River at Englewood, Ohio

LOCATION: Lat 39° 52' 10", long 84° 16' 57", in NW 1/4 sec. 23, T. 5 N., R. 5 E., Montgomery County, Hydrologic Unit 05080001, on right bank 1,000 ft downstream from Englewood Dam, 1.0 mi southeast of Englewood, and at mile 8.9.

DRAINAGE AREA: 650 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: October 1925 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 107 ft³/s
 Average streamflow: 593 ft³/s (72 years)
 Minimum daily streamflow: 4.8 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	31	16	11	8.2	5.6	Dec.-Feb.	1	86	46	32	23	16
	7	37	22	16	13	9.7		7	99	55	40	31	23
	30	46	28	22	18	14		30	187	84	55	39	26
	90	70	40	31	25	21		90	663	288	172	108	61
May-Nov.	1	31	16	11	8.2	5.6	Sep.-Nov.	1	32	17	12	8.7	6.3
	7	38	22	16	13	9.6		7	39	23	17	14	12
	30	46	28	22	18	14		30	50	29	23	20	17
	90	71	40	31	26	21		90	116	53	36	27	20

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	23	32	43	54	67	80	96	140	198	279	403	671	1440
May-Nov.	19	27	36	44	51	59	68	90	119	162	227	338	695
Dec.-Feb.	31	43	61	79	98	120	148	206	280	385	567	955	2230
Sep.-Nov.	17	22	29	34	39	44	49	60	74	91	121	173	353

GREAT MIAMI RIVER BASIN

03266500 Mad River at Zanesfield, Ohio

LOCATION: Lat 40° 21' 01", long 83° 40' 28", Logan County, Hydrologic Unit 05080001, on left bank at upstream side of bridge on County Road No. 5 (adjacent to former U.S. Highway 33), 0.8 mi upstream from Sugar Creek, 1.0 mi north of Zanesfield, and at mile 61.45.

DRAINAGE AREA: 7.31 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: October 1946 to December 1979.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 2.69 ft³/s
 Average streamflow: 7.70 ft³/s (33 years)
 Minimum daily streamflow: 0.5 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	1.1	0.8	0.7	0.6	0.5	Dec.-Feb.	1	1.8	1.1	0.8	0.6	0.4
	7	1.2	.9	.7	.7	.6		7	2.2	1.3	1.0	.7	.5
	30	1.4	1.0	.9	.8	.7		30	3.5	1.7	1.2	.9	.6
	90	1.6	1.2	1.0	.9	.8		90	8.8	4.3	2.4	1.5	.7
May-Nov.	1	1.1	0.8	0.7	0.6	0.6	Sep.-Nov.	1	1.2	0.9	0.8	0.7	0.6
	7	1.2	.9	.8	.7	.6		7	1.2	.9	.8	.7	.6
	30	1.4	1.0	.9	.8	.7		30	1.4	1.1	1.0	.9	.8
	90	1.7	1.2	1.1	1.0	.9		90	2.2	1.4	1.2	1.0	.9

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.8	1.0	1.3	1.4	1.6	1.8	2.1	2.7	3.6	4.9	6.9	10	17
May-Nov.	.8	1.0	1.2	1.3	1.5	1.6	1.8	2.0	2.4	3.0	3.9	5.5	9.3
Dec.-Feb.	.7	1.0	1.3	1.6	1.9	2.3	2.8	3.6	4.6	6.0	8.7	13	21
Sep.-Nov.	.8	.9	1.0	1.2	1.3	1.4	1.4	1.6	1.9	2.1	2.4	3.2	4.8

GREAT MIAMI RIVER BASIN

03266647 Mad River at Lippincott, Ohio

LOCATION: Lat 40° 11' 41", long 83° 47' 48", Champaign County, Hydrologic Unit 05080001, at bridge on Lippincott Road, 0.6 mi upstream from Macochee Ditch, 1.5 mi upstream from Gladdy Creek, 4.0 mi southwest of West Liberty, 5.0 mi northwest of Urbana.

DRAINAGE AREA: 68.4 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: Low-flow measurements, 1994-99 water years.

INDEX STATION: 03267000 Mad River near Urbana, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 26 ft³/s September 1999.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	25	16	14	Dec.-Feb.	1	30	17	14
	7	26	16	14		7	32	18	15
	30	28	18	16		30	40	21	18
	90	32	20	17		90	65	30	23
May-Nov.	1	27	17	15	Sep.-Nov.	1	27	17	15
	7	28	18	16		7	28	18	16
	30	30	19	17		30	30	19	17
	90	33	21	18		90	35	21	19

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	18	20	24	27	30
May-Nov.	18	20	23	26	28
Dec.-Feb.	17	19	22	25	28
Sep.-Nov.	16	19	20	22	24

GREAT MIAMI RIVER BASIN

03266897 Kings Creek near Urbana, Ohio

LOCATION: Lat 40° 09' 25", long 83° 47' 08", Champaign County, Hydrologic Unit 05080001, at bridge on State Route 296, just above mouth, 3.0 mi northwest of Urbana.

DRAINAGE AREA: 43.6 mi².

TRIBUTARY TO: Mad River.

STREAMFLOW DATA USED: Low-flow measurements, 1994-99 water years.

INDEX STATION: 03267000 Mad River near Urbana, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 15.6 ft³/s September 1999.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	14	8.7	7.5	Dec.-Feb.	1	17	9.5	7.9
	7	15	9.2	8.0		7	19	10	8.6
	30	16	10	8.8		30	24	12	9.9
	90	18	11	9.8		90	39	17	13
May-Nov.	1	15	9.7	8.5	Sep.-Nov.	1	16	9.8	8.6
	7	16	10	8.8		7	16	10	8.9
	30	17	11	9.3		30	17	11	9.4
	90	19	12	10		90	21	12	11

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	10	12	14	15	17
May-Nov.	10	11	13	15	16
Dec.-Feb.	9.4	11	12	14	16
Sep.-Nov.	8.9	10	11	12	14

GREAT MIAMI RIVER BASIN

03267000 Mad River near Urbana, Ohio

LOCATION: Lat 40° 06' 27", long 83° 47' 57", on west line of sec. 35, T. 5 E., R. 11 N., Champaign County, Hydrologic Unit 05080001, on left bank at downstream side of bridge on U.S. Highway 36, 1.8 mi upstream from Dugan Run, 1.8 mi downstream from Muddy Creek, 2.5 mi west of Urbana, and at mile 39.7.

DRAINAGE AREA: 162 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: October 1925 to September 1931, October 1939 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 95.2 ft³/s
 Average streamflow: 151 ft³/s (64 years)
 Minimum daily streamflow: 24.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	54	39	33	28	24	Dec.-Feb.	1	65	44	36	30	24
	7	57	41	35	30	26		7	70	48	39	32	26
	30	62	45	38	33	28		30	89	57	45	38	30
	90	70	50	42	37	32		90	148	87	65	51	38
May-Nov.	1	58	43	37	32	28	Sep.-Nov.	1	59	43	37	33	28
	7	61	45	38	34	29		7	61	45	38	34	29
	30	65	47	40	35	30		30	65	47	40	36	32
	90	73	52	44	38	33		90	78	54	46	40	35

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	38	44	52	58	65	72	79	94	111	132	158	195	273
May-Nov.	38	43	50	56	61	66	71	82	97	112	132	158	208
Dec.-Feb.	35	41	47	55	62	70	78	94	111	134	165	211	315
Sep.-Nov.	34	40	43	47	51	55	59	64	72	82	96	112	141

GREAT MIAMI RIVER BASIN

03267400 Cedar Run near Tremont City, Ohio

LOCATION: Lat 40° 01' 49", long 83° 48' 59", Champaign County, Hydrologic Unit 05080001, at private road bridge, 1,500 ft upstream from mouth, 900 ft north of County Line Road, and 1.6 mi northeast of Tremont City.

DRAINAGE AREA: 2.08 mi².

TRIBUTARY TO: Mad River.

STREAMFLOW DATA USED: Low-flow measurements, 1972-74 water years.

INDEX STATION: 03267000 Mad River near Urbana, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 5.4 ft³/s August 1972.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	4.0	2.7	2.4	Dec.-Feb.	1	4.6	2.9	2.5
	7	4.1	2.8	2.5		7	4.8	3.0	2.7
	30	4.4	3.0	2.7		30	5.8	3.4	3.0
	90	4.8	3.3	3.0		90	8.5	4.5	3.8
May-Nov.	1	4.2	2.9	2.7	Sep.-Nov.	1	4.2	3.0	2.7
	7	4.3	3.0	2.7		7	4.3	3.0	2.8
	30	4.5	3.2	2.8		30	4.5	3.1	2.9
	90	4.9	3.4	3.0		90	5.2	3.5	3.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	3.0	3.3	3.8	4.2	4.5
May-Nov.	3.0	3.3	3.7	4.0	4.3
Dec.-Feb.	2.8	3.2	3.6	4.0	4.4
Sep.-Nov.	2.8	3.1	3.3	3.6	3.8

GREAT MIAMI RIVER BASIN

03267600 Chapman Creek at Tremont City, Ohio

LOCATION: Lat 40° 00' 38", long 83° 50' 08", Clark County, Hydrologic Unit 05080001, at bridge on Upper Valley Pike in Tremont City, 0.8 mi upstream from mouth.

DRAINAGE AREA: 24.0 mi².

TRIBUTARY TO: Mad River.

STREAMFLOW DATA USED: Low-flow measurements, 1944, 1948, 1968, 1969, and 1972-74 water years.

INDEX STATION: 03267000 Mad River near Urbana, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.4 ft³/s October 1943.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.8	0.2	0.1	Dec.-Feb.	1	1.4	0.2	0.1
	7	.9	.2	.1		7	1.8	.3	.2
	30	1.2	.3	.2		30	3.6	.5	.3
	90	1.7	.4	.3		90	17	1.4	.7
May-Nov.	1	1.0	0.3	0.2	Sep.-Nov.	1	1.0	0.3	0.2
	7	1.2	.3	.2		7	1.2	.3	.2
	30	1.4	.3	.2		30	1.4	.3	.2
	90	2.0	.4	.3		90	2.4	.5	.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.3	0.4	0.7	1.0	1.4
May-Nov.	.3	.4	.6	.9	1.2
Dec.-Feb.	.2	.4	.5	.8	1.2
Sep.-Nov.	.2	.3	.4	.5	.7

GREAT MIAMI RIVER BASIN

03267900 Mad River at St. Paris Pike at Eagle City, Ohio

LOCATION: Lat 39° 57' 51", long 83° 49' 54", in W 1/2 sec. 1, T. 4, R. 10, Clark County, Hydrologic Unit 05080001, on left bank at downstream side of bridge on St. Paris Pike, 0.8 mi southeast of Eagle City, 1.1 mi downstream from Moore Run, 3.1 mi upstream from Buck Creek, 3.3 mi south of Tremont City, and at mile 29.5.

DRAINAGE AREA: 310 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: October 1965 to September 1995.

REMARKS: Water supply for city of Springfield is pumped from wells, adjacent to Mad River, just upstream from station. Recharge to the well field is largely by induced infiltration from Mad River and Moore Run. Pumpage, averaging 19.5 ft³/s in 1995, is returned as sewage 1.4 mi upstream from gaging station near Springfield.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 208 ft³/s
 Average streamflow: 315 ft³/s (29 years)
 Minimum daily streamflow: 60.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	117	92	81	73	64	Dec.-Feb.	1	149	112	96	84	71
	7	121	96	84	75	67		7	161	120	101	88	74
	30	129	103	91	83	75		30	200	140	117	101	86
	90	147	115	102	93	85		90	332	228	184	154	125
May-Nov.	1	120	97	87	80	73	Sep.-Nov.	1	120	97	87	80	74
	7	123	100	90	83	76		7	124	100	90	83	76
	30	131	105	95	87	79		30	135	106	95	87	79
	90	150	117	103	94	85		90	170	127	113	104	95

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	99	106	113	121	132	141	149	171	201	241	291	345	473
May-Nov.	97	102	108	112	117	125	133	148	163	194	236	288	367
Dec.-Feb.	108	112	117	124	136	146	156	175	195	233	288	358	509
Sep.-Nov.	96	98	102	105	108	111	114	119	134	144	153	164	186

GREAT MIAMI RIVER BASIN

03268000 Buck Creek at New Moorefield, Ohio

LOCATION: Lat 39° 59' 15", long 83° 42' 55", in NE 1/4 sec. 9, T. 5, R. 10, Clark County, Hydrologic Unit 05080001, on right bank at downstream side of New York Central Railroad bridge at south edge of New Moorefield, 1.5 mi downstream from East Fork, and 5.0 mi upstream from Beaver Creek.

DRAINAGE AREA: 65.3 mi².

TRIBUTARY TO: Mad River.

STREAMFLOW DATA USED: October 1942 to September 1958.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 40.0 ft³/s
 Average streamflow: 65.6 ft³/s (16 years)
 Minimum daily streamflow: 13.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	23	17	14	12	11	Dec.-Feb.	1	27	21	18	16	14
	7	24	18	15	13	11		7	29	22	19	17	15
	30	26	20	17	15	13		30	39	26	21	18	15
	90	28	22	20	18	16		90	66	40	31	26	20
May-Nov.	1	23	17	14	13	11	Sep.-Nov.	1	24	18	15	14	12
	7	24	18	15	13	11		7	25	19	16	14	12
	30	26	20	17	15	13		30	26	20	18	16	14
	90	28	22	20	18	16		90	32	24	21	19	17

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	18	21	23	25	27	30	32	37	44	51	61	79	112
May-Nov.	16	20	22	23	25	27	30	33	37	43	50	59	78
Dec.-Feb.	19	21	24	25	27	29	31	40	47	55	70	100	145
Sep.-Nov.	16	18	20	22	23	24	25	28	30	33	35	40	50

GREAT MIAMI RIVER BASIN

03269500 Mad River near Springfield, Ohio

LOCATION: Lat 39° 55' 23", long 83° 52' 13", in NW 1/4 sec. 16, R. 9, T. 4, Clark County, Hydrologic Unit 05080001, on right bank 150 ft downstream from Rock Run, 300 ft downstream from bridge on Lower Valley Pike, 2 mi downstream from Buck Creek, 3.0 mi west of Springfield, and at mile 24.1.

DRAINAGE AREA: 490 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: April 1914 to September 1997.

REMARKS: Some regulation by C.J. Brown Reservoir, 8.3 mi upstream on Buck Creek, since 1972. Occasional low-flow regulation by powerplant 2.3 mi upstream; daily flows are not affected appreciably.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 309 ft³/s
 Average streamflow: 500 ft³/s (83 years)
 Minimum daily streamflow: 86 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	168	132	116	104	91	Dec.-Feb.	1	211	156	133	117	101
	7	177	140	124	112	99		7	231	171	147	129	112
	30	195	154	136	123	109		30	300	204	169	145	127
	90	223	174	153	139	125		90	531	333	257	205	158
May-Nov.	1	175	138	121	109	96	Sep.-Nov.	1	180	141	124	111	99
	7	183	145	128	115	103		7	187	147	131	120	109
	30	199	156	138	125	112		30	206	162	145	134	123
	90	228	176	154	140	125		90	260	190	164	148	132

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	131	151	174	193	209	226	245	287	338	404	494	631	916
May-Nov.	129	146	164	180	192	204	218	247	283	328	389	482	675
Dec.-Feb.	132	152	178	202	224	245	268	321	383	460	556	732	1100
Sep.-Nov.	125	138	152	165	176	186	195	210	231	256	292	351	472

GREAT MIAMI RIVER BASIN

03270000 Mad River near Dayton, Ohio

LOCATION: Lat 39° 47' 50", long 84° 05' 19", in SW 1/4 sec. 7, R. 8, T. 2, Green County, Hydrologic Unit 05080001, on left bank in retarding basin 300 ft upstream from Huffman Dam, 2.3 mi downstream from Mud Run, 6.2 mi northeast of Dayton, and at mile 6.1. Water-quality sampling site was on left bank 900 ft downstream.

DRAINAGE AREA: 635 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: October 1914 to September 1921, October 1924 to September 1997.

REMARKS: Flood flows affected by backwater from Huffman retarding dam beginning in 1921, some regulation by C. J. Brown Reservoir 26 mi upstream on Buck Creek since 1972.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 378 ft³/s
 Average streamflow: 639 ft³/s (79 years)
 Minimum daily streamflow: 94 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	198	151	130	115	100	Dec.-Feb.	1	263	192	163	143	122
	7	208	159	137	121	105		7	286	208	176	153	131
	30	233	176	152	134	116		30	378	252	205	174	145
	90	270	202	175	156	137		90	688	418	315	247	185
May-Nov.	1	204	154	132	116	100	Sep.-Nov.	1	208	156	135	120	104
	7	214	161	139	122	106		7	221	165	142	126	110
	30	237	178	153	135	116		30	247	185	161	144	129
	90	276	204	175	155	136		90	324	226	190	166	143

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	151	172	203	227	251	277	303	360	429	518	636	816	1200
May-Nov.	140	163	189	209	228	246	265	306	351	409	490	611	864
Dec.-Feb.	159	178	211	245	279	310	341	410	486	594	738	967	1460
Sep.-Nov.	135	152	173	190	204	215	226	253	284	321	369	445	620

GREAT MIAMI RIVER BASIN

03270500 Great Miami River at Dayton, Ohio

LOCATION: Lat 39° 45' 55", long 84° 11' 51", in sec. 10, R. 7, T. 1, Montgomery County, Hydrologic Unit 05080002, on left bank 1,000 ft downstream from Main Street Bridge in Dayton, 0.7 mi upstream from Wolf Creek, 0.8 mi downstream from Mad River, and at mile 80.0.

DRAINAGE AREA: 2,511 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: April 1913 to September 1997.

REMARKS: Flood flow regulated by four retarding basins upstream from station beginning in 1920 on Mad River 6.5 mi upstream, on Stillwater River 10.5 mi upstream, on Great Miami River 11.5 mi upstream, and on Loramie Creek 40 mi upstream. Water is diverted 6 mi upstream from station for use in Dayton; much of the flow is diverted to the Little Miami River Basin through the Dayton sewer systems.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 745 ft³/s
 Average streamflow: 2,290 ft³/s (84 years)
 Minimum daily streamflow: 109 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	290	200	160	130	110	Dec.-Feb.	1	520	330	260	220	170
	7	320	220	180	150	120		7	600	370	290	240	190
	30	360	250	210	180	150		30	970	510	370	280	210
	90	480	320	260	220	190		90	2600	1300	850	580	360
May-Nov.	1	300	200	160	130	110	Sep.-Nov.	1	300	200	170	140	120
	7	320	220	180	150	120		7	320	220	180	160	140
	30	370	250	210	180	150		30	390	260	220	190	170
	90	480	320	260	220	190		90	680	380	290	240	190

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	209	264	329	388	450	517	595	798	1060	1440	1960	2870	5290
May-Nov.	189	236	290	334	376	420	465	574	720	910	1210	1710	2890
Dec.-Feb.	254	306	392	482	581	692	823	1100	1470	1890	2570	3820	7230
Sep.-Nov.	166	204	253	289	318	345	371	428	502	599	737	990	1750

GREAT MIAMI RIVER BASIN

03270800 Wolf Creek at Trotwood, Ohio

LOCATION: Lat 39° 47' 39", long 84° 18' 36", Montgomery County, Hydrologic Unit 05080002, on right bank 350 ft downstream from Union Road bridge, 700 ft downstream from unnamed right bank tributary, 0.2 mi south of Trotwood, and 0.3 mi upstream from North Branch.

DRAINAGE AREA: 22.7 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: October 1962 to September 1986.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 1.83 ft³/s
 Average streamflow: 23.2 ft³/s (24 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 2 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0.3	0.1	0	0	0	Dec.-Feb.	1	3.2	1.3	0.8	0.5	0.2
	7	.5	.2	.1	0	0		7	4.1	1.6	.9	.5	.3
	30	.8	.4	.2	.2	.1		30	7.7	2.5	1.3	.7	.4
	90	1.8	.8	.5	.3	.2		90	32	14	7.7	4.3	2.0
May-Nov.	1	0.3	0.1	0	0	0	Sep.-Nov.	1	0.4	0.1	0	0	0
	7	.5	.2	.1	0	0		7	.5	.2	.1	0	0
	30	.8	.4	.2	.2	.1		30	1.0	.4	.3	.2	.1
	90	1.8	.8	.5	.4	.2		90	5.0	1.6	.9	.5	.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.3	0.4	0.7	1.1	1.6	2.2	2.9	4.7	7.1	10	16	25	52
May-Nov.	.2	.3	.5	.7	.9	1.2	1.5	2.3	3.4	4.9	7.2	12	24
Dec.-Feb.	.5	.7	1.8	3.1	4.3	5.4	6.3	8.7	12	16	23	36	72
Sep.-Nov.	.1	.2	.4	.4	.6	.8	1.0	1.4	2.0	2.9	4.2	7.1	16

GREAT MIAMI RIVER BASIN

03271000 Wolf Creek at Dayton, Ohio

LOCATION: Lat 39° 46' 00", long 84° 14' 10", Montgomery County, Hydrologic Unit 05080002, on right bank, at West Riverview Avenue Bridge, in Dayton, 1.8 mi upstream from mouth.

DRAINAGE AREA: 68.7 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: October 1938 to September 1950, October 1986 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 12.1 ft³/s
 Average streamflow: 65.2 ft³/s (22 years)
 Minimum daily streamflow: 1.1 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	3.5	1.9	1.3	1.0	0.7	Dec.-Feb.	1	8.5	4.4	3.0	2.1	1.3
	7	4.0	2.2	1.6	1.2	.9		7	9.4	4.8	3.3	2.4	1.6
	30	5.5	3.1	2.3	1.8	1.4		30	24	10	6.2	3.8	2.1
	90	8.8	4.8	3.4	2.6	1.9		90	75	37	24	16	9.6
May-Nov.	1	3.8	2.0	1.4	1.0	0.7	Sep.-Nov.	1	3.9	2.0	1.4	1.0	0.7
	7	4.4	2.3	1.7	1.2	.9		7	4.5	2.4	1.7	1.2	.9
	30	5.7	3.2	2.4	1.9	1.5		30	5.9	3.3	2.5	1.9	1.5
	90	8.9	4.8	3.5	2.6	1.9		90	13	6.2	4.2	3.0	2.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	2.3	3.3	4.9	6.2	7.7	9.5	11	15	20	29	42	64	126
May-Nov.	2.0	3.0	4.0	5.0	5.8	6.8	7.9	11	14	17	23	35	62
Dec.-Feb.	2.6	4.4	7.4	9.9	12	15	18	24	33	44	60	92	178
Sep.-Nov.	1.7	2.2	2.9	3.6	4.5	5.1	5.6	6.7	8.6	12	14	18	30

GREAT MIAMI RIVER BASIN

03271300 Holes Creek near Kettering, Ohio

LOCATION: Lat 39° 39' 15", long 84° 11' 45", Montgomery County, Hydrologic Unit 05080002, at Mad River Road bridge, 200 ft south of Alexanderville-Bellbrook Road, 2.8 mi southwest of Kettering.

DRAINAGE AREA: 18.7 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: Low-flow measurements, 1959-72 water years.

INDEX STATION: 03272000 Twin Creek near Germantown, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.0 ft³/s November 1964.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.3	0.7	0.5	Dec.-Feb.	1	3.3	1.5	1.1
	7	1.4	.7	.6		7	3.7	1.6	1.2
	30	1.6	.9	.8		30	6.6	2.2	1.5
	90	2.4	1.2	1.0		90	17	6.0	4.1
May-Nov.	1	1.3	0.7	0.5	Sep.-Nov.	1	1.3	0.7	0.6
	7	1.4	.7	.6		7	1.4	.8	.6
	30	1.6	.9	.8		30	1.8	1.0	.8
	90	2.4	1.2	1.0		90	4.0	1.4	1.0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.9	1.2	1.6	1.9	2.3
May-Nov.	.8	1.0	1.4	1.6	1.8
Dec.-Feb.	1.3	1.7	2.3	3.0	3.8
Sep.-Nov.	.7	.9	1.1	1.3	1.5

GREAT MIAMI RIVER BASIN

03271400 Bear Creek at Ellerton, Ohio

LOCATION: Lat 39° 40' 25", long 84° 18' 35", Montgomery County, Hydrologic Unit 05080002, at bridge on Farmersville-West Carrollton Road, 1,600 ft southwest of center of Ellerton.

DRAINAGE AREA: 38.9 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: Low-flow measurements, 1959 and 1962-71 water years.

INDEX STATION: 03272000 Twin Creek near Germantown, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.9 ft³/s September 1963.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.3	0.5	0.4	Dec.-Feb.	1	4.6	1.6	1.1
	7	1.4	.6	.5		7	5.3	1.7	1.2
	30	1.8	.8	.6		30	12	2.6	1.6
	90	3.0	1.1	.9		90	41	10	6.1
May-Nov.	1	1.3	0.5	0.4	Sep.-Nov.	1	1.3	0.5	0.4
	7	1.4	.6	.5		7	1.4	.6	.5
	30	1.8	.8	.7		30	2.0	.8	.7
	90	3.0	1.2	.9		90	5.9	1.4	1.0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.8	1.2	1.7	2.2	2.8
May-Nov.	.7	1.0	1.4	1.7	2.0
Dec.-Feb.	1.3	1.9	2.8	4.1	5.6
Sep.-Nov.	.5	.8	1.0	1.3	1.5

GREAT MIAMI RIVER BASIN

03271500 Great Miami River at Miamisburg, Ohio

LOCATION: Lat 39° 38' 40", long 84° 17' 23", in sec. 31, T. 1, R. 6, Montgomery County, Hydrologic Unit 05080002, on left bank 600 ft downstream from bridge on State Route 725 at Miamisburg, 0.3 mi downstream from Bear Creek, 3.2 mi upstream from Crains Run, and at mile 66.4.

DRAINAGE AREA: 2,711 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1924 to September 1935, October 1952 to September 1995.

REMARKS: Diurnal fluctuation caused by power plant 2.9 mi downstream from station. Flood flow regulated by retarding dams beginning in 1920 on Mad River 19 mi upstream, on Stillwater River 23 mi upstream, on Great Miami River 23 mi upstream, and on Loramie Creek 52 mi upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 946 ft³/s
 Average streamflow: 2,490 ft³/s (54 years)
 Minimum daily streamflow: 148 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	395	266	213	176	141	Dec.-Feb.	1	661	424	335	275	219
	7	433	310	260	225	191		7	732	464	367	302	243
	30	491	349	293	255	218		30	1110	609	447	346	260
	90	625	427	356	309	265		90	2710	1350	886	604	378
May-Nov.	1	404	270	215	177	140	Sep.-Nov.	1	407	270	220	187	156
	7	445	317	264	227	191		7	443	320	277	250	224
	30	501	354	296	256	218		30	525	363	311	280	252
	90	633	431	359	312	269		90	869	499	386	317	259

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	284	360	438	509	586	669	757	985	1280	1700	2270	3190	5690
May-Nov.	264	323	401	454	499	553	610	744	909	1140	1500	2090	3440
Dec.-Feb.	315	382	487	593	699	825	976	1310	1700	2170	2800	4030	7210
Sep.-Nov.	244	281	340	401	428	455	488	569	670	795	976	1350	2350

GREAT MIAMI RIVER BASIN

03271620 Great Miami River at Franklin, Ohio

LOCATION: Lat 39° 33' 44", long 84° 18' 18", Warren County, Hydrologic Unit 05080002, at bridge on State Route 123 in Franklin.

DRAINAGE AREA: 2,727 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1965-69 water years.

INDEX STATION: 03271500 Great Miami River at Miamisburg, Ohio.

REMARKS: Diurnal fluctuation caused by upstream power plant.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 311 ft³/s August 1965.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	378	206	171	Dec.-Feb.	1	627	322	265
	7	414	251	218		7	693	352	291
	30	469	282	246		30	1040	427	332
	90	594	342	297		90	2500	836	574
May-Nov.	1	387	208	172	Sep.-Nov.	1	390	213	182
	7	425	255	220		7	424	267	242
	30	478	285	247		30	500	299	270
	90	601	345	300		90	821	370	305

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	273	345	419	485	557
May-Nov.	255	311	384	434	476
Dec.-Feb.	303	366	465	564	662
Sep.-Nov.	236	271	327	384	410

GREAT MIAMI RIVER BASIN

03271700 Clear Creek at Franklin, Ohio

LOCATION: Lat 39° 33' 05", long 84° 17' 55", Warren County, Hydrologic Unit 05080002, at bridge on Shaker Road at south edge of Franklin, and 1.6 mi upstream from mouth.

DRAINAGE AREA: 51.6 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: Low-flow measurements, 1959-69 water years.

INDEX STATION: 03272000 Twin Creek near Germantown, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s August 1965.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.0	0.4	0.3	Dec.-Feb.	1	4.8	1.3	0.9
	7	1.2	.4	.3		7	5.8	1.5	1.0
	30	1.6	.6	.4		30	15	2.5	1.4
	90	2.9	.9	.7		90	69	13	6.9
May-Nov.	1	1.0	0.4	0.3	Sep.-Nov.	1	1.1	0.4	0.3
	7	1.2	.4	.3		7	1.2	.4	.3
	30	1.5	.6	.5		30	1.8	.6	.5
	90	3.0	.9	.7		90	6.6	1.2	.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.6	1.0	1.5	2.0	2.7
May-Nov.	.5	.7	1.2	1.5	1.8
Dec.-Feb.	1.1	1.7	2.7	4.3	6.2
Sep.-Nov.	.4	.6	.8	1.1	1.3

GREAT MIAMI RIVER BASIN

03271736 Twin Creek at Lewisburg, Ohio

LOCATION: Lat 39° 51' 17", long 84° 31' 54", Preble County, Hydrologic Unit 05080002, at bridge on U.S. Highway 40, 0.1 mi downstream from Millers Fork, 0.1 mi upstream from Swamp Creek, 0.3 mi east of Lewisburg.

DRAINAGE AREA: 68.4 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: Low-flow measurements, 1995, 1996, 1998, and 1999 water years.

INDEX STATION: 03271800 Twin Creek at Ingomar, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.3 ft³/s September 1999.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	2.0	0.8	0.6	Dec.-Feb.	1	10	3.0	2.0
	7	2.3	.9	.7		7	12	3.4	2.2
	30	2.9	1.1	.9		30	27	5.0	3.1
	90	5.3	1.7	1.3		90	140	30	16
May-Nov.	1	2.0	0.8	0.6	Sep.-Nov.	1	2.0	0.8	0.6
	7	2.3	.9	.7		7	2.3	.9	.7
	30	2.9	1.1	.9		30	3.2	1.2	1.0
	90	5.2	1.7	1.3		90	15	2.4	1.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.2	1.8	2.9	4.2	5.5
May-Nov.	1.0	1.5	2.1	2.8	3.6
Dec.-Feb.	1.8	4.6	7.0	10	14
Sep.-Nov.	.8	1.1	1.6	1.9	2.3

GREAT MIAMI RIVER BASIN

03271800 Twin Creek at Ingomar, Ohio

LOCATION: Lat 39° 42' 28", long 84° 31' 30", in sec. 15, T. 5 N., R. 3 E., Preble County, Hydrologic Unit 05080002, on left bank at downstream side of bridge on Halderman Road, 0.5 mi downstream from Bantas Fork, 1.4 mi west of Ingomar, and 4.8 mi upstream from Aukerman Creek.

DRAINAGE AREA: 197 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: October 1962 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 26.4 ft³/s
 Average streamflow: 200 ft³/s (35 years)
 Minimum daily streamflow: 2.5 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	7.5	4.6	3.5	2.8	2.1	Dec.-Feb.	1	28	15	10	7.4	5.0
	7	8.3	5.1	3.9	3.1	2.4		7	32	17	12	8.2	5.4
	30	10	6.0	4.6	3.8	3.0		30	64	26	16	11	6.5
	90	17	8.7	6.4	5.1	4.0		90	254	118	70	42	22
May-Nov.	1	7.5	4.6	3.5	2.8	2.1	Sep.-Nov.	1	7.4	4.5	3.5	2.9	2.4
	7	8.3	5.1	3.9	3.1	2.4		7	8.2	5.0	4.0	3.3	2.7
	30	10	6.0	4.6	3.8	3.0		30	11	6.3	4.9	4.0	3.3
	90	16	8.6	6.4	5.2	4.2		90	40	15	8.6	5.6	3.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	4.8	6.7	10	14	17	21	26	43	64	91	134	212	449
May-Nov.	4.1	5.7	7.7	9.9	12	14	16	22	30	46	69	109	230
Dec.-Feb.	6.9	15	21	29	37	45	54	72	91	127	185	280	604
Sep.-Nov.	3.6	4.5	6.1	7.2	8.3	9.7	11	15	18	22	28	53	117

GREAT MIAMI RIVER BASIN

03272000 Twin Creek near Germantown, Ohio

LOCATION: Lat 39° 38' 10", long 84° 23' 48", in NW 1/4 sec. 11, T. 3 N., R. 4 E., Montgomery County, Hydrologic Unit 05080002, on right bank 0.3 mi downstream from Germantown Dam, 1.5 mi northwest of Germantown, and 3.0 mi upstream from Little Twin Creek.

DRAINAGE AREA: 275 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: May 1914 to December 1923, January 1927 to September 1997.

REMARKS: Flood flow regulated by Germantown retarding basin, 0.3 mi upstream, beginning in 1920.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 35.2 ft³/s
 Average streamflow: 271 ft³/s (79 years)
 Minimum daily streamflow: 2.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	10	5.6	4.1	3.1	2.2	Dec.-Feb.	1	37	19	12	8.7	5.7
	7	11	6.3	4.7	3.6	2.7		7	44	21	14	9.5	6.1
	30	14	8.2	6.2	5.0	3.9		30	98	37	21	13	7.2
	90	24	12	8.9	6.8	5.1		90	356	152	86	50	26
May-Nov.	1	10	5.7	4.1	3.1	2.3	Sep.-Nov.	1	10	5.8	4.2	3.3	2.5
	7	11	6.4	4.7	3.6	2.7		7	12	6.5	4.9	3.9	3.0
	30	14	8.2	6.3	5.1	4.2		30	16	8.8	6.7	5.5	4.5
	90	25	13	9.1	7.1	5.4		90	48	19	12	7.8	5.0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	6.2	9.4	14	18	23	28	35	55	85	124	186	302	611
May-Nov.	5.2	7.6	11	14	16	19	23	30	41	60	90	141	293
Dec.-Feb.	10	15	23	34	46	60	74	105	145	202	294	460	907
Sep.-Nov.	4.2	5.9	8.3	10	12	14	16	20	24	30	40	69	150

GREAT MIAMI RIVER BASIN

03272200 Elk Creek at Miltonville, Ohio

LOCATION: Lat 39° 30' 05", long 84° 27' 35", Butler County, Hydrologic Unit 05080002, at county road bridge at east edge of Miltonville, and 1.5 mi upstream from mouth.

DRAINAGE AREA: 46.2 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: Low-flow measurements, 1960-67 water years.

INDEX STATION: 03272000 Twin Creek near Germantown, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.2 ft³/s September 1964.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.0	0.4	0.3	Dec.-Feb.	1	4.0	1.2	0.8
	7	1.1	.4	.3		7	4.8	1.3	.9
	30	1.4	.6	.4		30	12	2.1	1.2
	90	2.5	.8	.6		90	49	10	5.6
May-Nov.	1	1.0	0.4	0.3	Sep.-Nov.	1	1.0	0.4	0.3
	7	1.1	.4	.3		7	1.1	.4	.3
	30	1.4	.6	.4		30	1.6	.6	.5
	90	2.6	.8	.6		90	5.4	1.1	.7

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.6	0.9	1.3	1.8	2.3
May-Nov.	.5	.7	1.0	1.3	1.6
Dec.-Feb.	1.0	1.5	2.3	3.6	5.1
Sep.-Nov.	.4	.5	.8	1.0	1.2

GREAT MIAMI RIVER BASIN

03272300 Dicks Creek near Excello, Ohio

LOCATION: Lat 39° 28' 25", long 84° 23' 50", Butler County, Hydrologic Unit 05080002, at Yankee Road Bridge, 0.2 mi south of the city limits of Middletown, 1.3 mi southeast of Excello, and 2.5 mi upstream from mouth.

DRAINAGE AREA: 44.7 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: Low-flow measurements, 1960-69 water years.

INDEX STATION: 03272000 Twin Creek near Germantown, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.4 ft³/s September 1964.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	2.0	0.9	0.7	Dec.-Feb.	1	6.5	2.4	1.7
	7	2.2	1.0	.8		7	7.5	2.6	1.9
	30	2.7	1.3	1.1		30	16	3.9	2.5
	90	4.4	1.8	1.4		90	50	14	8.5
May-Nov.	1	2.0	0.9	0.7	Sep.-Nov.	1	2.1	0.9	0.7
	7	2.2	1.0	.8		7	2.2	1.0	.8
	30	2.7	1.3	1.1		30	3.0	1.4	1.2
	90	4.5	1.8	1.4		90	8.2	2.3	1.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.3	1.9	2.6	3.4	4.2
May-Nov.	1.1	1.5	2.2	2.6	3.1
Dec.-Feb.	2.0	2.9	4.2	5.9	7.9
Sep.-Nov.	.9	1.2	1.7	2.0	2.4

GREAT MIAMI RIVER BASIN

03272700 Sevenmile Creek at Camden, Ohio

LOCATION: Lat 39° 37' 45", long 84° 38' 40", Preble County, Hydrologic Unit 05080002, on right bank at downstream side of bridge on State Route 725 in Camden, 0.3 mi downstream from Beasley Run, and at mile 16.2.

DRAINAGE AREA: 69.0 mi².

TRIBUTARY TO: Four Mile Creek.

STREAMFLOW DATA USED: December 1970 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 11.1 ft³/s
 Average streamflow: 72.5 ft³/s (26 years)
 Minimum daily streamflow: 0.8 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	2.7	1.7	1.3	1.1	0.8	Dec.-Feb.	1	10	4.7	2.8	1.7	1.0
	7	3.0	1.9	1.5	1.3	1.1		7	12	5.7	3.4	2.1	1.2
	30	4.1	2.5	2.1	1.8	1.6		30	26	12	7.0	4.5	2.7
	90	7.2	4.1	3.3	2.8	2.4		90	93	53	35	23	13
May-Nov.	1	2.7	1.7	1.3	1.1	0.9	Sep.-Nov.	1	2.8	1.7	1.4	1.2	1.0
	7	3.0	1.9	1.5	1.3	1.1		7	3.1	1.9	1.6	1.4	1.2
	30	4.2	2.6	2.1	1.8	1.6		30	4.8	2.8	2.2	1.8	1.4
	90	7.2	4.1	3.3	2.8	2.4		90	19	7.7	4.8	3.2	2.0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	2.1	2.9	4.0	5.3	6.8	8.7	11	18	27	38	56	86	167
May-Nov.	1.9	2.4	3.2	4.0	4.8	5.7	6.6	9.1	13	19	28	44	90
Dec.-Feb.	3.0	4.5	9.0	13	16	20	24	32	42	58	79	118	214
Sep.-Nov.	1.7	2.1	2.7	3.2	3.6	4.2	4.7	6.1	7.5	10	15	27	58

GREAT MIAMI RIVER BASIN

03272800 Sevenmile Creek at Collinsville, Ohio

LOCATION: Lat 39° 31' 23", long 84° 36' 39", in SE 1/4 sec. 14, T. 5 N., R. 2 E., Butler County, Hydrologic Unit 05080002, on left bank at downstream side of bridge, 0.3 mi north of Collinsville, 1.0 mi downstream from Ninemile Creek, and 5.5 mi upstream from mouth.

DRAINAGE AREA: 120 mi².

TRIBUTARY TO: Four Mile Creek.

STREAMFLOW DATA USED: July 1960 to September 1972.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 11.7 ft³/s
 Average streamflow: 101 ft³/s (12 years)
 Minimum daily streamflow: 0.9 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	3.5	2.2	1.7	1.4	1.1	Dec.-Feb.	1	12	4.9	2.9	1.8	1.0
	7	4.0	2.5	2.0	1.6	1.3		7	17	6.1	3.4	2.0	1.1
	30	5.6	3.3	2.4	1.8	1.3		30	29	8.9	4.5	2.5	1.3
	90	8.3	4.5	3.2	2.4	1.6		90	109	37	17	7.4	2.9
May-Nov.	1	3.5	2.2	1.7	1.4	1.1	Sep.-Nov.	1	3.4	1.8	1.1	0.7	0.4
	7	4.0	2.5	2.0	1.6	1.3		7	3.9	2.1	1.5	1.1	.8
	30	5.6	3.3	2.4	1.8	1.3		30	6.3	3.1	2.1	1.5	1.0
	90	8.3	4.5	3.2	2.4	1.6		90	12	4.6	2.9	1.9	1.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	2.2	3.1	5.2	7.0	8.5	10	13	21	32	47	71	116	213
May-Nov.	2.0	2.6	3.9	5.2	6.4	7.5	8.6	11	15	22	31	50	98
Dec.-Feb.	2.1	4.4	7.1	8.7	12	19	25	36	50	66	87	142	260
Sep.-Nov.	1.6	2.0	2.3	2.7	3.3	3.9	5.0	6.7	8.3	10	13	19	33

GREAT MIAMI RIVER BASIN

03274000 Great Miami River at Hamilton, Ohio

LOCATION: Lat 39° 23' 28", long 84° 34' 20", in NE 1/4 sec. 6, T. 1 N., R. 3 E., Butler County, Hydrologic Unit 05080002, on right bank 1,000 ft downstream from Columbia Bridge at Hamilton, 3.0 mi downstream from Four Mile Creek, 4.3 mi upstream from Pleasant Run, and at mile 34.8.

DRAINAGE AREA: 3,630 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: October 1930 to September 1997.

REMARKS: Some regulation and diversion at low flow by industrial plants upstream from station. Flood flow regulated by five retarding basins upstream from station beginning in 1920. The Miami and Erie Canal diverted water from the basin 1.7 mi upstream from station until Nov. 1, 1930, when the canal was abandoned; amount of diversion not known.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 1,150 ft³/s
 Average streamflow: 3,350 ft³/s (67 years)
 Minimum daily streamflow: 155 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	449	313	258	220	183	Dec.-Feb.	1	782	493	386	314	249
	7	497	358	302	263	225		7	889	557	437	358	287
	30	559	403	344	304	267		30	1470	766	545	411	299
	90	738	497	412	357	306		90	3770	1830	1180	790	486
May-Nov.	1	459	319	263	223	184	Sep.-Nov.	1	464	325	271	234	197
	7	505	361	304	263	224		7	509	368	313	275	239
	30	568	407	346	305	266		30	607	427	362	319	280
	90	751	504	417	361	309		90	1030	600	461	374	299

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	339	414	502	583	682	793	913	1200	1600	2160	3000	4350	7720
May-Nov.	318	380	459	514	573	637	713	881	1100	1370	1810	2560	4280
Dec.-Feb.	376	449	562	721	875	1050	1230	1670	2250	2990	4060	5980	10800
Sep.-Nov.	293	337	399	442	482	516	549	633	747	891	1090	1430	2370

GREAT MIAMI RIVER BASIN

03274200 Indian Creek near Millville, Ohio

LOCATION: Lat 39° 21' 45", long 84° 38' 35", Butler County, Hydrologic Unit 05080002, at Hamilton-New London Road Bridge, 1.9 mi south of Millville, and 4.3 mi upstream from mouth.

DRAINAGE AREA: 102 mi².

TRIBUTARY TO: Great Miami River.

STREAMFLOW DATA USED: Low-flow measurements, 1961-69 water years.

INDEX STATION: 03272800 Sevenmile Creek near Collinsville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.4 ft³/s September 1965.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.6	0.2	0.1	Dec.-Feb.	1	4.7	0.4	0.2
	7	.7	.2	.1		7	8.4	.5	.2
	30	1.2	.3	.2		30	17	.8	.3
	90	2.4	.5	.3		90	82	8.0	2.0
May-Nov.	1	0.6	0.2	0.1	Sep.-Nov.	1	0.5	0.1	0
	7	.7	.2	.1		7	.7	.1	.1
	30	1.2	.3	.2		30	4.2	.2	.1
	90	2.4	.5	.3		90	4.3	.4	.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.2	0.4	1.1	1.8	2.5
May-Nov.	.2	.3	.7	1.1	1.5
Dec.-Feb.	.2	.8	1.8	2.6	4.7
Sep.-Nov.	.1	.2	.3	.4	.5

GREAT MIAMI RIVER BASIN

03274600 Great Miami River at New Baltimore, Ohio

LOCATION: Lat 39° 15' 50", long 84° 40' 04", Hamilton County, Hydrologic Unit 05080002, at bridge on Blue Rock Road at New Baltimore.

DRAINAGE AREA: 3,814 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1955, 1956, 1959, and 1961-70 water years.

INDEX STATION: 03274000 Great Miami River at Hamilton, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 263 ft³/s September 1955.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	452	249	209	Dec.-Feb.	1	822	384	307
	7	504	295	254		7	944	439	354
	30	572	339	297		30	1620	557	411
	90	772	412	353		90	4480	1280	831
May-Nov.	1	463	254	212	Sep.-Nov.	1	468	262	223
	7	513	297	254		7	517	306	266
	30	582	341	298		30	625	358	313
	90	787	417	357		90	1100	465	371

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	334	414	510	599	709
May-Nov.	312	377	463	523	588
Dec.-Feb.	373	452	575	753	928
Sep.-Nov.	286	332	398	445	488

WABASH RIVER BASIN

03322480 Wabash River above Beaver Creek at Wabash, Ohio

LOCATION: Lat 40° 32' 44", long 84° 44' 29", Mercer County, Hydrologic Unit 05120101, at bridge on State Route 29, 0.5 mi east of Wabash, and 0.2 mi upstream from Crab Branch.

DRAINAGE AREA: 119 mi².

TRIBUTARY TO: Ohio River.

STREAMFLOW DATA USED: Low-flow measurements, 1959 and 1972-74 water years.

INDEX STATION: 03264000 Greenville Creek near Bradford, Ohio.

REMARKS: Three Natural Resources Conservation Service retarding structures in headwaters are assumed to have small effect on low flow. Fort Recovery sewage discharges into Wabash River. Fort Recovery water system pumps 115,000 to 150,000 gal/d from ground-water wells.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.1 ft³/s September 1959.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.2	0.5	0.4	Dec.-Feb.	1	3.8	1.4	1.0
	7	1.6	.7	.5		7	4.6	1.6	1.2
	30	2.0	.9	.7		30	9.8	2.3	1.5
	90	3.2	1.3	1.0		90	43	8.0	4.6
May-Nov.	1	1.3	0.5	0.4	Sep.-Nov.	1	1.3	0.5	0.4
	7	1.6	.7	.5		7	1.6	.7	.6
	30	2.1	.9	.7		30	2.4	1.0	.8
	90	3.3	1.3	1.1		90	6.1	1.7	1.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.9	1.3	1.9	2.5	3.1
May-Nov.	.8	1.1	1.5	1.9	2.3
Dec.-Feb.	1.2	1.8	2.6	3.6	4.6
Sep.-Nov.	.7	.9	1.2	1.5	1.8

OTTAWA RIVER BASIN

04177000 Ottawa River at University of Toledo, at Toledo, Ohio

LOCATION: Lat 41° 39' 29", long 83° 37' 19", in NE 1/4 sec. 32, T. 9 S., R. 7 E., Lucas County, Hydrologic Unit 04100001, on left bank at auto bridge at University of Toledo, 0.4 mi downstream from Deline Ditch, 5.6 mi upstream from Sibley Creek, and 10.9 mi upstream from mouth.

DRAINAGE AREA: 150 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: August 1976 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 19.6 ft³/s
 Average streamflow: 130 ft³/s (21 years)
 Minimum daily streamflow: 0.6 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	3.6	1.5	0.9	0.6	0.4	Dec.-Feb.	1	15	8.0	5.2	3.6	2.2
	7	6.6	2.9	1.6	.8	.4		7	17	9.9	7.3	5.7	4.2
	30	9.8	5.2	3.8	2.9	2.1		30	30	15	9.8	6.9	4.6
	90	17	10	8.2	7.1	6.2		90	146	73	43	25	13
May-Nov.	1	3.8	1.6	0.9	0.6	0.3	Sep.-Nov.	1	4.3	1.9	1.2	0.8	0.6
	7	6.7	2.7	1.6	.8	.5		7	7.0	3.0	1.8	1.2	.7
	30	9.9	5.3	3.8	2.9	2.1		30	12	7.0	5.7	4.9	4.4
	90	17	10	8.3	7.2	6.4		90	47	23	16	12	9.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	3.6	6.3	9.1	12	15	19	23	33	45	61	88	155	335
May-Nov.	2.6	4.5	6.9	8.7	11	13	16	21	29	40	53	78	176
Dec.-Feb.	5.4	9.2	12	16	21	25	30	41	52	72	105	175	355
Sep.-Nov.	2.1	4.0	6.1	7.5	9.0	10	12	16	22	30	44	69	159

MAUMEE RIVER BASIN

04177100 East Branch St. Joseph River near Pioneer, Ohio

LOCATION: Lat 41° 39' 55", long 84° 32' 30", Williams County, Hydrologic Unit 04100003, at bridge on U.S. Highway 20, 0.6 mi east of State Route 15, and 1.3 mi southeast of Pioneer.

DRAINAGE AREA: 158 mi².

TRIBUTARY TO: Head of Maumee River.

STREAMFLOW DATA USED: Low-flow measurements, 1955, 1956, and 1962-74 water years.

INDEX STATION: 04184500 Bean Creek at Powers, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 4.1 ft³/s October 1955.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	8.8	4.7	4.0	Dec.-Feb.	1	25	11	8.3
	7	9.6	5.3	4.4		7	28	12	9.4
	30	12	6.6	5.6		30	45	15	11
	90	17	8.3	6.8		90	150	38	24
May-Nov.	1	8.8	4.7	4.0	Sep.-Nov.	1	10	5.1	4.2
	7	9.6	5.2	4.5		7	11	5.6	4.7
	30	12	6.6	5.6		30	15	7.0	5.8
	90	17	8.2	6.8		90	32	11	8.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	6.6	9.1	12	14	17
May-Nov.	5.6	7.7	10	12	14
Dec.-Feb.	11	13	17	22	26
Sep.-Nov.	5.2	6.8	8.8	10	12

MAUMEE RIVER BASIN

04183500 Maumee River at Antwerp, Ohio

LOCATION: Lat 41° 11' 56", long 84° 44' 40", in sec. 22, T. 3 N., R. 1 E., Paulding County, Hydrologic Unit 04100005, on left bank 425 ft downstream from bridge on State Route 49, 1.0 mi north of Antwerp, 7.0 mi downstream from Indiana State line, and 10 mi upstream from Marie DeLarme Creek.

DRAINAGE AREA: 2,129 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: October 1921 to September 1935, April 1939 to April 1982.

REMARKS: Low flow slightly regulated by power plant at Fort Wayne, Indiana, 32 mi upstream. Flow slightly regulated by upstream reservoirs.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 373 ft³/s
 Average streamflow: 1,710 ft³/s (56 years)
 Minimum daily streamflow: 26 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	103	68	53	43	33	Dec.-Feb.	1	260	157	121	97	76
	7	122	86	71	61	51		7	289	173	134	109	86
	30	157	110	93	81	71		30	557	261	176	127	88
	90	247	154	122	102	84		90	1870	836	510	326	188
May-Nov.	1	103	68	53	43	33	Sep.-Nov.	1	106	70	57	49	41
	7	123	86	71	61	51		7	128	87	73	65	57
	30	159	110	93	81	70		30	173	112	95	85	77
	90	255	157	123	102	83		90	398	201	145	112	85

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	93	118	149	178	208	251	300	430	636	953	1480	2490	4770
May-Nov.	82	103	127	148	170	193	219	283	370	496	733	1170	2220
Dec.-Feb.	132	155	186	231	293	362	443	680	915	1320	2060	3420	6230
Sep.-Nov.	74	90	108	121	136	151	166	199	246	311	411	639	1390

MAUMEE RIVER BASIN

04184500 Bean Creek at Powers, Ohio

LOCATION: Lat 41° 40' 39", long 84° 13' 56", in NE 1/4 sec. 24, T. 9 S., R. 1 E., Fulton County, Hydrologic Unit 04100006, on right bank at downstream side of bridge on U.S. Highway 20, 1.0 mi east of Powers, 2.2 mi upstream from Iron Creek, 3.3 mi downstream from Silver Creek, and 5.2 mi east of Fayette.

DRAINAGE AREA: 206 mi².

TRIBUTARY TO: Maumee River.

STREAMFLOW DATA USED: October 1940 to September 1981.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 39.8 ft³/s
 Average streamflow: 167 ft³/s (41 years)
 Minimum daily streamflow: 5.2 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	13	8.6	7.1	6.0	5.0	Dec.-Feb.	1	33	20	15	12	9.3
	7	14	9.4	7.8	6.7	5.6		7	36	21	16	13	11
	30	17	12	9.6	8.2	6.8		30	57	29	21	16	12
	90	23	15	12	9.9	8.1		90	175	79	49	31	18
May-Nov.	1	13	8.6	7.1	6.1	5.1	Sep.-Nov.	1	14	9.4	7.6	6.4	5.2
	7	14	9.4	7.8	6.7	5.7		7	15	10	8.3	7.0	5.8
	30	17	12	9.6	8.2	7.0		30	20	13	10	8.6	7.1
	90	24	15	12	9.9	8.1		90	41	22	15	12	8.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	9.6	13	17	20	24	28	32	45	64	96	142	228	416
May-Nov.	8.3	11	14	16	19	21	24	30	39	50	70	107	192
Dec.-Feb.	15	18	23	29	34	39	46	66	88	122	172	271	530
Sep.-Nov.	7.7	9.9	12	15	16	18	20	23	28	35	45	62	113

MAUMEE RIVER BASIN

04185000 Tiffin River at Stryker, Ohio

LOCATION: Lat 41° 30' 16", long 84° 25' 47", in SE 1/4 sec. 5, T. 6 N., R. 4 E., Williams County, Hydrologic Unit 04100006, on left bank 0.5 mi downstream from bridge on State Route 191 at west edge of Stryker, 0.6 mi upstream from Penn Central bridge, and 1.6 mi downstream from Leatherwood Creek.

DRAINAGE AREA: 410 mi².

TRIBUTARY TO: Maumee River.

STREAMFLOW DATA USED: October 1921 to September 1928, October 1940 to September 1997.

REMARKS: Small diversion about 12.5 mi upstream from gage for municipal supply of Archbold. Diversion averaged 2.80 ft³/s in 1997 returned as sewage to Brush Creek, which flows into Tiffin River about 15 mi downstream from station.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 60.0 ft³/s
 Average streamflow: 333 ft³/s (64 years)
 Minimum daily streamflow: 2.5 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	16	9.7	7.2	5.5	4.0	Dec.-Feb.	1	52	28	21	16	12
	7	18	11	8.2	6.4	4.9		7	59	32	24	19	15
	30	23	14	11	9.2	7.6		30	106	50	34	24	17
	90	38	22	17	14	11		90	376	167	99	61	34
May-Nov.	1	17	9.8	7.2	5.5	4.0	Sep.-Nov.	1	18	11	8.3	6.8	5.5
	7	18	11	8.2	6.4	4.9		7	20	12	9.7	8.1	6.8
	30	23	14	11	9.2	7.5		30	28	16	12	10	8.7
	90	37	22	17	14	12		90	91	40	26	18	11

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	13	18	23	30	36	44	55	83	125	185	278	458	938
May-Nov.	10	15	19	23	27	31	36	49	66	93	136	210	407
Dec.-Feb.	20	27	36	49	63	76	94	136	181	251	373	607	1180
Sep.-Nov.	9.7	13	17	19	22	25	29	37	48	65	95	160	320

MAUMEE RIVER BASIN

04185200 Beaver Creek near Stryker, Ohio

LOCATION: Lat 41° 27' 23", long 84° 26' 09", Williams County, Hydrologic Unit 04100006, at bridge on Township Road C, 0.3 mi upstream from mouth, 3.1 mi southwest of Stryker.

DRAINAGE AREA: 44.8 mi².

TRIBUTARY TO: Tiffin River.

STREAMFLOW DATA USED: Low-flow measurements, 1980-82, 1994-96, 1998, and 1999 water years.

INDEX STATION: 04184500 Bean Creek at Powers, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.7 ft³/s September 1994.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.0	0.6	0.5	Dec.-Feb.	1	2.6	1.2	1.0
	7	1.1	.6	.6		7	2.9	1.3	1.1
	30	1.4	.8	.7		30	4.5	1.7	1.3
	90	1.9	1.0	.8		90	13	3.9	2.5
May-Nov.	1	1.0	0.6	0.5	Sep.-Nov.	1	1.2	0.6	0.5
	7	1.1	.6	.6		7	1.2	.7	.6
	30	1.4	.8	.7		30	1.6	.8	.7
	90	1.9	1.0	.8		90	3.3	1.2	1.0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.8	1.1	1.4	1.6	1.9
May-Nov.	.7	.9	1.2	1.3	1.5
Dec.-Feb.	1.2	1.5	1.9	2.3	2.7
Sep.-Nov.	.6	.8	1.0	1.2	1.3

MAUMEE RIVER BASIN

04185440 Unnamed Tributary to Lost Creek near Farmer, Ohio

LOCATION: Lat 41° 21' 42", long 84° 41' 28", Defiance County, Hydrologic Unit 04100006, on right bank 400 ft above bridge on Rosedale Road, 0.5 mi above mouth, and 2.0 mi from Farmer.

DRAINAGE AREA: 4.23 mi².

TRIBUTARY TO: Lost Creek.

STREAMFLOW DATA USED: October 1985 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 0.15 ft³/s
 Average streamflow: 4.32 ft³/s (12 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 8 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0	0	0	0	0	Dec.-Feb.	1	0.2	0.1	0.1	0	0
	7	0	0	0	0	0		7	.2	.1	.1	.1	0
	30	0	0	0	0	0		30	.7	.2	.1	.1	0
	90	.1	0	0	0	0		90	5.8	3.2	2.3	1.7	1.2
May-Nov.	1	0	0	0	0	0	Sep.-Nov.	1	0	0	0	0	0
	7	0	0	0	0	0		7	0	0	0	0	0
	30	0	0	0	0	0		30	.1	0	0	0	0
	90	.1	0	0	0	0		90	1.8	.4	.1	.1	0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0	0	0	0.1	0.1	0.1	0.2	0.4	0.6	1.1	1.9	3.5	8.7
May-Nov.	0	0	0	0	.1	.1	.1	.1	.2	.4	.7	1.5	4.2
Dec.-Feb.	.1	.1	.2	.3	.4	.5	.6	.8	1.3	2.0	3.1	5.7	15
Sep.-Nov.	0	0	0	0	0	.1	.1	.1	.1	.2	.4	1.3	4.5

MAUMEE RIVER BASIN

04185795 Auglaize River near Uniopolis, Ohio

LOCATION: Lat 40° 37' 11", long 84° 07' 19", Auglaize County, Hydrologic Unit 04100007, at bridge on Mudsock Road, 0.4 mi upstream from Blackhorse Creek, 2.2 mi northwest of Uniopolis.

DRAINAGE AREA: 89.3 mi².

TRIBUTARY TO: Maumee River.

STREAMFLOW DATA USED: Low-flow measurements, 1979-82 water years.

INDEX STATION: 04187500 Ottawa River at Allentown, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.8 ft³/s October 1978.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.6	0.2	0.1	Dec.-Feb.	1	1.4	0.3	0.2
	7	1.0	.4	.3		7	2.0	.5	.3
	30	1.7	.6	.5		30	8.4	.7	.4
	90	3.4	1.0	.8		90	542	11	3.1
May-Nov.	1	0.6	0.2	0.1	Sep.-Nov.	1	0.7	0.2	0.2
	7	1.1	.4	.3		7	1.2	.4	.3
	30	1.9	.7	.6		30	2.1	.7	.6
	90	3.8	1.1	.7		90	7.4	1.1	.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.6	0.8	1.2	1.6	2.0
May-Nov.	.6	.8	1.1	1.4	1.6
Dec.-Feb.	.6	.9	1.2	1.6	1.9
Sep.-Nov.	.4	.6	.8	1.0	1.2

MAUMEE RIVER BASIN

04186500 Auglaize River near Fort Jennings, Ohio

LOCATION: Lat 40° 56' 55", long 84° 15' 58", in SE 1/4 sec. 15, T. 1 S., R. 5. E., Putnam County, Hydrologic Unit 04100007, on left bank 200 ft upstream from bridge on U.S. Highway 224, 3.5 mi northeast of Fort Jennings, 6.0 mi upstream from Ottawa River, and 7.3 mi downstream from Jennings Creek.

DRAINAGE AREA: 332 mi².

TRIBUTARY TO: Maumee River.

STREAMFLOW DATA USED: April 1971 to September 1997.

REMARKS: Beginning Jan. 4, 1971, water was diverted at a point 24.3 mi upstream from station into Lake Bresler. Storage in Lake Bresler is available for low-flow augmentation and water supply of city of Lima, in Ottawa River basin. Net withdrawal totaled 4,231.8 mil gal, equivalent to a mean withdrawal of 17.9 ft³/s. No releases have been made for low-flow augmentation. Some diversion from Grand Lake to Auglaize River basin through Miami and Erie Canal into Jennings Creek at a point 9.2 mi upstream from station. Annual runoff values are considered to be within 10 percent of natural yield.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 35.9 ft³/s
 Average streamflow: 307 ft³/s (26 years)
 Minimum daily streamflow: 0.5 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	9.2	2.8	1.2	0.6	0.2	Dec.-Feb.	1	32	19	14	9.5	6.8
	7	12	4.8	2.7	1.6	.9		7	38	21	15	11	8.1
	30	17	8.2	5.2	3.8	2.4		30	83	35	22	15	9.2
	90	31	15	10	7.8	5.9		90	375	219	159	119	84
May-Nov.	1	9.2	3.0	1.3	0.6	0.2	Sep.-Nov.	1	9.7	2.9	1.2	0.5	0.2
	7	12	4.7	2.7	1.6	.7		7	12	4.8	2.6	1.6	.7
	30	17	8.3	5.2	3.7	2.2		30	19	8.5	5.7	4.2	3.0
	90	33	15	11	8.1	6.2		90	75	30	19	13	8.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	6.2	11	18	22	28	34	41	58	83	126	194	336	746
May-Nov.	4.0	8.0	13	17	21	24	28	38	49	67	99	170	392
Dec.-Feb.	12	19	25	32	45	55	65	90	126	178	266	464	1070
Sep.-Nov.	2.8	5.7	8.5	11	14	17	20	25	32	41	56	98	293

MAUMEE RIVER BASIN

04187500 Ottawa River at Allentown, Ohio

LOCATION: Lat 40° 45' 18", long 84° 11' 41", in NW 1/4 sec. 29, T. 3 S., R. 6 E., Allen County, Hydrologic Unit 04100007, on left bank at upstream side of bridge on State Route 81 at Allentown, 0.3 mi downstream from Kessler Run, and 1.5 mi upstream from McBride Ditch.

DRAINAGE AREA: 160 mi².

TRIBUTARY TO: Auglaize River.

STREAMFLOW DATA USED: October 1943 to March 1982.

REMARKS: Diurnal fluctuation and some regulation caused by operation of water-supply and sewage-treatment plants of city of Lima upstream from station.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 35.2 ft³/s
 Average streamflow: 131 ft³/s (38 years)
 Minimum daily streamflow: 9.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	15	12	10	9.4	8.3	Dec.-Feb.	1	20	15	12	11	9.1
	7	18	14	13	12	11		7	22	17	14	13	11
	30	21	17	16	14	13		30	35	20	16	13	12
	90	26	20	18	16	15		90	131	60	38	26	16
May-Nov.	1	16	12	11	9.6	8.5	Sep.-Nov.	1	16	13	11	9.9	8.7
	7	19	15	14	12	11		7	19	15	14	12	11
	30	22	18	16	15	14		30	23	18	16	15	14
	90	27	21	19	17	15		90	34	22	19	17	15

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	16	17	19	21	22	24	26	30	36	47	67	113	288
May-Nov.	15	17	18	20	21	22	23	27	30	35	43	60	109
Dec.-Feb.	15	17	19	21	22	24	26	32	41	55	85	160	434
Sep.-Nov.	14	15	16	18	19	20	21	23	26	29	33	40	64

MAUMEE RIVER BASIN

04188300 Blanchard River at Mt. Blanchard, Ohio

LOCATION: Lat 40° 53' 28", long 83° 33' 50", Hancock County, Hydrologic Unit 04100008, on south boundary of sec. 2, T. 2 S., R. 11 E., at bridge on State Route 103, 0.6 mi southwest of Mt. Blanchard, and 0.4 mi west of intersection with State Route 37.

DRAINAGE AREA: 109 mi².

TRIBUTARY TO: Auglaize River.

STREAMFLOW DATA USED: Low-flow measurements, 1970-77 water years.

INDEX STATION: 04189000 Blanchard River near Findlay, Ohio.

REMARKS: Prior to 1970 measured at site at bridge on Brooklyn Street, northwest edge of Mt. Blanchard.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s September 1970.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.2	0	0	Dec.-Feb.	1	0.9	0.1	0.1
	7	.2	0	0		7	1.3	.2	.1
	30	.4	.1	0		30	5.3	.4	.2
	90	1.1	.1	.1		90	95	6.3	2.4
May-Nov.	1	0.2	0	0	Sep.-Nov.	1	0.2	0	0
	7	.2	0	0		7	.2	0	0
	30	.4	.1	0		30	.5	.1	0
	90	1.1	.1	.1		90	3.4	.2	.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.1	0.1	0.3	0.5	0.8
May-Nov.	0	.1	.2	.3	.4
Dec.-Feb.	.1	.2	.5	.9	1.4
Sep.-Nov.	0	0	.1	.2	.2

MAUMEE RIVER BASIN

04188500 Eagle Creek near Findlay, Ohio

LOCATION: Lat 40° 59' 35", long 83° 39' 05", Hancock County, Hydrologic Unit 04100008, on line between sec. 1, T. 1 S., R. 10 E., and sec. 36, T. 1 N., R. 10 E., on right bank at downstream side of highway bridge, 3.3 mi south of Findlay, and 4.3 mi upstream from mouth.

DRAINAGE AREA: 55.0 mi².

TRIBUTARY TO: Blanchard River.

STREAMFLOW DATA USED: January 1947 to July 1957.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 1.13 ft³/s
 Average streamflow: 48.0 ft³/s (10 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 8 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0	0	0	0	0	Dec.-Feb.	1	1.2	0	0	0	0
	7	0	0	0	0	0		7	1.9	.5	0	0	0
	30	0	0	0	0	0		30	6.4	.7	.2	.1	0
	90	.3	0	0	0	0		90	68	22	10	4.9	1.9
May-Nov.	1	0	0	0	0	0	Sep.-Nov.	1	0	0	0	0	0
	7	0	0	0	0	0		7	0	0	0	0	0
	30	0	0	0	0	0		30	0	0	0	0	0
	90	.3	0	0	0	0		90	2.2	.1	0	0	0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0	0	0.1	0.1	0.2	0.5	1.0	2.8	6.0	11	21	41	102
May-Nov.	0	0	0	.1	.1	.1	.1	.7	1.6	3.2	5.9	12	34
Dec.-Feb.	0	.2	.6	1.2	2.0	3.1	4.8	7.6	14	23	43	83	193
Sep.-Nov.	0	0	0	0	.1	.1	.1	.1	.2	.9	2.4	6.2	23

MAUMEE RIVER BASIN

04189000 Blanchard River near Findlay, Ohio

LOCATION: Lat 41° 03' 21", long 83° 41' 17", on east line of sec. 10, T. 1 N., R. 10 E., Hancock County, Hydrologic Unit 04100008, on left bank at upstream side of county road bridge, 2.0 mi west of Findlay, 3.0 mi downstream from Eagle Creek, and 3.0 mi upstream from Aurand Run.

DRAINAGE AREA: 346 mi².

TRIBUTARY TO: Auglaize River.

STREAMFLOW DATA USED: October 1923 to December 1935, October 1940 to September 1997.

REMARKS: Water is diverted upstream from station into Findlay Reservoir. Storage in Findlay Reservoir used for water supply of city of Findlay, and is available for low-flow augmentation. All water returns to stream upstream from station.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 23.1 ft³/s
 Average streamflow: 258 ft³/s (69 years)
 Minimum daily streamflow: 0.4 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	7.2	3.3	2.1	1.4	0.9	Dec.-Feb.	1	20	9.6	6.4	4.6	3.1
	7	8.6	4.1	2.7	1.9	1.2		7	24	11	7.6	5.4	3.7
	30	12	5.6	3.9	2.8	2.0		30	55	19	11	7.2	4.4
	90	22	9.5	6.1	4.3	2.9		90	298	113	61	34	16
May-Nov.	1	7.1	3.2	2.0	1.3	0.8	Sep.-Nov.	1	7.7	3.3	2.1	1.4	0.9
	7	8.6	4.1	2.7	1.9	1.2		7	9.2	4.3	2.9	2.1	1.5
	30	12	5.6	3.9	2.8	2.0		30	14	6.3	4.4	3.3	2.5
	90	22	9.5	6.3	4.5	3.2		90	42	14	8.1	5.2	3.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	3.9	6.4	9.7	14	18	22	26	40	59	92	146	267	634
May-Nov.	3.0	4.8	7.3	10	13	16	18	25	34	49	72	122	273
Dec.-Feb.	6.6	8.7	14	19	25	31	38	58	85	135	220	404	978
Sep.-Nov.	2.6	3.6	5.4	6.8	8.2	9.7	12	16	21	27	39	70	182

MAUMEE RIVER BASIN

04189500 Blanchard River at Glandorf, Ohio

LOCATION: Lat 41° 02' 40", long 84° 04' 55", in NE 1/4 sec. 17, T. 1 N., R. 7 E., Putnam County, Hydrologic Unit 04100008, near center span on upstream side of highway bridge, 0.5 mi upstream from Pike Run, and 0.8 mi north of Glandorf.

DRAINAGE AREA: 644 mi².

TRIBUTARY TO: Auglaize River.

STREAMFLOW DATA USED: August 1921 to July 1928, February 1947 to December 1951.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 50.6 ft³/s
 Average streamflow: 604 ft³/s (10 years)
 Minimum daily streamflow: 0.3 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	11	7.0	5.5	4.4	3.4	Dec.-Feb.	1	50	27	19	14	10
	7	13	9.5	7.9	6.8	5.7		7	71	34	22	15	11
	30	21	15	13	12	11		30	192	88	59	44	31
	90	50	29	22	18	14		90	881	595	487	413	345
May-Nov.	1	11	4.1	1.8	0.7	0.2	Sep.-Nov.	1	13	4.7	2.0	0.8	0.2
	7	13	6.9	4.3	2.6	1.4		7	15	6.4	4.1	2.8	1.9
	30	20	13	9.9	7.8	5.8		30	24	14	11	9.9	8.9
	90	51	27	19	14	9.2		90	116	44	27	19	12

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	12	17	22	27	35	47	63	101	158	248	428	809	1970
May-Nov.	7.5	12	17	20	23	26	31	43	66	101	153	254	671
Dec.-Feb.	23	40	73	87	118	154	199	262	355	533	863	1590	2960
Sep.-Nov.	5.4	9.1	14	17	20	22	24	28	37	62	119	207	534

MAUMEE RIVER BASIN

04191500 Auglaize River near Defiance, Ohio

LOCATION: Lat 41° 14' 14", long 84° 23' 59", in NE 1/4 sec. 9, T. 3 N., R. 4 E., Defiance County, Hydrologic Unit 04100007, on right bank 125 ft downstream from hydroelectric dam of Hydro-Corporation, 0.2 mi upstream from Jackson Ditch, and 3.0 mi south of Defiance.

DRAINAGE AREA: 2,318 mi².

TRIBUTARY TO: Maumee River.

STREAMFLOW DATA USED: October 1915 to September 1997.

REMARKS: Flow regulated by dam at powerplant at station; reservoir capacity, 9,800 acre-ft. Plant shut down except for occasional gate operation, Jan. 10, 1963 to Sept. 7, 1985. Some diversion by Miami and Erie Canal from Grand Lake into Jennings Creek, tributary to Auglaize River 70 mi upstream from station.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 115 ft³/s
 Average streamflow: 1,780 ft³/s (81 years)
 Minimum daily streamflow: 0.5 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	28	13	7.4	4.3	2.1	Dec.-Feb.	1	53	21	13	9.1	6.0
	7	39	19	12	7.5	4.3		7	135	48	26	15	8.1
	30	66	32	22	16	11		30	398	126	65	37	18
	90	124	66	50	41	33		90	2110	866	483	279	140
May-Nov.	1	30	14	8.1	4.6	2.2	Sep.-Nov.	1	32	15	8.5	4.8	2.3
	7	39	20	13	8.4	5.0		7	41	19	13	8.7	5.6
	30	65	36	27	21	17		30	74	37	28	23	19
	90	130	71	55	46	38		90	302	115	71	49	32

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	22	29	40	52	75	108	151	269	436	691	1160	2200	4990
May-Nov.	20	27	34	40	49	61	81	138	221	339	537	896	2180
Dec.-Feb.	23	34	54	101	147	210	288	457	686	1090	1810	3260	6970
Sep.-Nov.	16	23	28	33	38	42	48	72	108	166	273	507	1310

MAUMEE RIVER BASIN

04191600 Powell Creek near Defiance, Ohio

LOCATION: Lat 41° 14' 19", long 84° 21' 55", Defiance County, Hydrologic Unit 04100007, at bridge on Watson Road, 2.8 mi downstream from Wagner Run, 3.1 mi south of Defiance.

DRAINAGE AREA: 95.6 mi².

TRIBUTARY TO: Auglaize River.

STREAMFLOW DATA USED: Low-flow measurements, 1979-81 water years.

INDEX STATION: 04184500 Bean Creek at Powers, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s Several times.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0	0	0	Dec.-Feb.	1	0	0	0
	7	0	0	0		7	0	0	0
	30	0	0	0		30	0	0	0
	90	0	0	0		90	.4	0	0
May-Nov.	1	0	0	0	Sep.-Nov.	1	0	0	0
	7	0	0	0		7	0	0	0
	30	0	0	0		30	0	0	0
	90	0	0	0		90	0	0	0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0	0	0	0	0
May-Nov.	0	0	0	0	0
Dec.-Feb.	0	0	0	0	0
Sep.-Nov.	0	0	0	0	0

MAUMEE RIVER BASIN

04192500 Maumee River near Defiance, Ohio °

LOCATION: Lat 41° 17' 30", long 84° 16' 52", in NW 1/4 sec. 22, T. 4 N., R. 5 E., Defiance County, Hydrologic Unit 04100009, on left bank 40 ft upstream from Independence Dam, 4.0 mi downstream from mouth of Auglaize River, and 4.5 mi east of Defiance

DRAINAGE AREA: 5,545 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: October 1978 to September 1997.

REMARKS: Flow affected by regulation of Auglaize River at hydroelectric plant of the Hydro-Corporation, 7 mi upstream. Operation of hydroelectric plant was discontinued Jan. 10, 1963 to Sept. 7, 1985. Low flow slightly regulated by powerplant at Ft. Wayne, Indiana. Slight diversion 275 ft upstream into Miami and Erie Canal through a 24 inch conduit that bypasses station.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 1,010 ft³/s
 Average streamflow: 5,040 ft³/s (19 years)
 Minimum daily streamflow: 60 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	246	161	121	93	66	Dec.-Feb.	1	617	398	318	264	214
	7	285	187	146	117	90		7	701	424	330	269	216
	30	406	231	174	139	109		30	1330	695	499	382	284
	90	725	394	305	253	212		90	5800	3790	2960	2390	1850
May-Nov.	1	246	161	121	93	66	Sep.-Nov.	1	244	174	153	139	128
	7	285	187	146	117	90		7	313	219	188	169	152
	30	410	232	175	139	108		30	465	283	232	201	177
	90	738	395	303	251	209		90	1970	979	661	472	318

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	218	286	382	494	619	765	949	1430	2050	2930	4450	7480	13900
May-Nov.	189	241	305	367	434	511	605	840	1170	1720	2560	4110	8400
Dec.-Feb.	349	456	617	740	953	1230	1460	2010	2730	3880	5790	9320	16200
Sep.-Nov.	194	227	265	303	343	390	445	575	760	1070	1600	2910	7240

MAUMEE RIVER BASIN

04192650 North Turkeyfoot Creek near Liberty Center, Ohio

LOCATION: Lat 41° 24' 50", long 84° 00' 34", Henry County, Hydrologic Unit 04100009, at bridge on State Route 109, 2.0 mi south of Liberty Center, 2.2 mi upstream from mouth.

DRAINAGE AREA: 74.2 mi².

TRIBUTARY TO: Maumee River.

STREAMFLOW DATA USED: Low-flow measurements, 1979-83 water years.

INDEX STATION: 04184500 Bean Creek at Powers, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.8 ft³/s August 1981.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.4	0.2	0.2	Dec.-Feb.	1	1.5	0.5	0.4
	7	.4	.2	.2		7	1.7	.6	.4
	30	.6	.3	.2		30	3.3	.8	.6
	90	1.0	.4	.3		90	15	2.6	1.4
May-Nov.	1	0.4	0.2	0.2	Sep.-Nov.	1	0.5	0.2	0.2
	7	.4	.2	.2		7	.5	.2	.2
	30	.6	.3	.2		30	.8	.3	.2
	90	1.0	.4	.3		90	2.1	.5	.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.3	0.4	0.6	0.8	1.0
May-Nov.	.2	.3	.5	.6	.7
Dec.-Feb.	.5	.7	1.0	1.3	1.6
Sep.-Nov.	.2	.3	.4	.5	.6

MAUMEE RIVER BASIN

04193500 Maumee River at Waterville, Ohio

LOCATION: Lat 41° 30' 00", long 83° 42' 46", Lucas County, Hydrologic Unit 04100009, on downstream side of first pier from left end of bridge on State Route 64 at Waterville, 3.0 mi downstream from Tontogany Creek, and 20.7 mi upstream from mouth.

DRAINAGE AREA: 6,330 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: October 1939 to September 1997.

REMARKS: Low flow slightly regulated by power plants upstream from station. Small diversion upstream from gage into Portage River.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 753 ft³/s
 Average streamflow: 5,160 ft³/s (58 years)
 Minimum daily streamflow: 17 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	169	86	57	39	25	Dec.-Feb.	1	533	286	203	151	108
	7	225	131	97	75	55		7	631	337	241	183	134
	30	297	180	144	121	102		30	1350	558	346	231	146
	90	542	291	219	177	142		90	5920	2530	1450	863	450
May-Nov.	1	169	86	57	39	25	Sep.-Nov.	1	175	92	65	48	34
	7	225	131	97	75	55		7	238	138	105	84	65
	30	300	181	144	121	101		30	339	190	150	128	109
	90	557	295	220	177	141		90	1190	483	298	198	125

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	146	202	277	360	456	577	718	1140	1740	2620	4220	7280	14500
May-Nov.	123	170	226	280	339	404	477	673	961	1420	2130	3530	7050
Dec.-Feb.	206	256	368	500	677	882	1120	1650	2380	3620	5740	9920	18700
Sep.-Nov.	98	132	169	205	237	274	314	412	546	739	1120	1870	4620

PORTAGE RIVER BASIN

04195500 Portage River at Woodville, Ohio

LOCATION: Lat 41° 26' 58", long 83° 21' 41", in sec. 28, T. 6 N., R. 13 E., Sandusky County, Hydrologic Unit 04100010, on left bank at upstream side of bridge on U.S. Highway 20 in Woodville, 600 ft downstream from unnamed right bank tributary, and 10.3 mi upstream from Sugar Creek.

DRAINAGE AREA: 428 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: October 1951 to September 1997.

REMARKS: Flow supplemented by water imported from Maumee River Basin for municipal supply for city of Bowling Green 16 mi upstream. The importation of this water began Sept. 1, 1951.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 28.4 ft³/s
 Average streamflow: 345 ft³/s (46 years)
 Minimum daily streamflow: 1.8 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	6.4	3.9	3.0	2.5	1.9	Dec.-Feb.	1	25	11	6.6	4.3	2.5
	7	7.5	4.8	3.8	3.2	2.6		7	31	13	8.1	5.3	3.2
	30	10	6.3	5.3	4.8	4.4		30	68	24	13	8.3	4.7
	90	22	10	7.6	6.2	5.2		90	414	166	88	48	22
May-Nov.	1	6.5	4.0	3.1	2.5	2.0	Sep.-Nov.	1	6.7	4.0	3.1	2.7	2.3
	7	7.5	4.9	4.0	3.4	2.8		7	8.1	4.9	4.0	3.5	3.0
	30	10	6.5	5.5	5.0	4.6		30	13	7.1	5.6	4.9	4.3
	90	23	11	8.0	6.6	5.5		90	59	19	11	6.6	3.9

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	5.3	7.4	10	13	17	22	29	48	79	123	203	378	895
May-Nov.	4.7	6.6	8.3	10	12	14	17	24	37	58	93	165	412
Dec.-Feb.	5.8	9.2	16	25	34	43	54	81	119	178	281	524	1260
Sep.-Nov.	3.7	5.2	6.9	8.2	9.4	11	12	16	21	29	46	91	293

SANDUSKY RIVER BASIN

04195950 Paramour Creek near Leesville, Ohio

LOCATION: Lat 40° 48' 07", long 82° 46' 03", Crawford County, Hydrologic Unit 04100011, at bridge on U.S. Highway 30, 1.1 mi northeast of Leesville, 1.2 mi upstream from mouth.

DRAINAGE AREA: 27.2 mi².

TRIBUTARY TO: Head of Sandusky River.

STREAMFLOW DATA USED: Low-flow measurements 1979-83 water years.

INDEX STATION: 04196000 Sandusky River near Bucyrus, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.1 ft³/s October 1980.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.9	0.6	0.5	Dec.-Feb.	1	1.9	1.0	0.8
	7	1.1	.7	.6		7	2.2	1.1	.9
	30	1.4	.9	.8		30	3.9	1.5	1.1
	90	2.0	1.2	1.0		90	8.6	4.6	3.6
May-Nov.	1	0.9	0.6	0.6	Sep.-Nov.	1	1.0	0.6	0.6
	7	1.1	.7	.7		7	1.2	.8	.7
	30	1.4	.9	.8		30	1.7	1.0	.8
	90	2.1	1.2	1.0		90	3.1	1.4	1.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.8	1.0	1.2	1.4	1.7
May-Nov.	.8	.9	1.1	1.2	1.4
Dec.-Feb.	.9	1.2	1.8	2.2	2.6
Sep.-Nov.	.7	.8	1.0	1.1	1.2

SANDUSKY RIVER BASIN

04195970 Sandusky River near North Robinson, Ohio

LOCATION: Lat 40° 50' 10", long 82° 49' 39", Crawford County, Hydrologic Unit 04100011, at bridge on Cox Road, 0.3 mi upstream from Loss Creek, 3.3 mi northeast of North Robinson.

DRAINAGE AREA: 39.7 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: Low-flow measurements, 1978 and 1980-83 water years.

INDEX STATION: 04196000 Sandusky River near Bucyrus, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.3 ft³/s August 1978.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.0	0.5	0.4	Dec.-Feb.	1	3.3	1.0	0.7
	7	1.3	.7	.5		7	4.4	1.4	.9
	30	2.1	1.0	.8		30	11	2.2	1.3
	90	3.8	1.5	1.2		90	44	15	10
May-Nov.	1	1.0	0.5	0.4	Sep.-Nov.	1	1.1	0.5	0.4
	7	1.3	.7	.6		7	1.5	.7	.6
	30	2.0	1.0	.8		30	2.7	1.0	.8
	90	3.9	1.6	1.2		90	7.9	2.0	1.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.8	1.1	1.6	2.1	2.7
May-Nov.	.7	1.0	1.3	1.6	1.9
Dec.-Feb.	1.0	1.5	3.0	4.3	5.6
Sep.-Nov.	.6	.8	1.1	1.3	1.6

SANDUSKY RIVER BASIN

04196000 Sandusky River near Bucyrus, Ohio

LOCATION: Lat 40° 48' 13", long 83° 00' 21", in NE 1/4 sec. 10, T. 3 S., R. 16 E., Crawford County, Hydrologic Unit 04100011, on right bank at downstream side of bridge on township road, 1.0 mi upstream from unnamed left bank tributary, 1.5 mi west of Bucyrus, and 12 mi downstream from Loss Creek.

DRAINAGE AREA: 88.8 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: September 1925 to November 1935, August 1938 to December 1951, January 1964 to September 1981, October 1995 to September 1997.

REMARKS: Low flow slightly affected by operation of reservoirs, 5.3 mi to 6.0 mi upstream from station, for municipal supply of Bucyrus.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 8.32 ft³/s
 Average streamflow: 88.7 ft³/s (42 years)
 Minimum daily streamflow: 0.6 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	1.7	1.0	0.8	0.6	0.5	Dec.-Feb.	1	6.8	3.0	1.9	1.3	0.8
	7	2.5	1.5	1.1	.9	.7		7	9.5	4.2	2.6	1.6	.9
	30	4.1	2.4	1.8	1.4	1.1		30	28	8.6	4.3	2.4	1.2
	90	8.1	4.0	2.8	2.1	1.6		90	124	60	38	24	14
May-Nov.	1	1.7	1.0	0.8	0.6	0.5	Sep.-Nov.	1	1.9	1.1	0.9	0.7	0.6
	7	2.5	1.5	1.2	.9	.7		7	2.8	1.5	1.2	1.0	.8
	30	4.0	2.4	1.8	1.5	1.2		30	5.4	2.6	1.9	1.5	1.2
	90	8.2	4.2	3.0	2.3	1.7		90	18	6.7	4.0	2.6	1.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	1.4	2.1	3.1	4.2	5.4	7.0	9.0	15	22	35	55	92	201
May-Nov.	1.2	1.8	2.5	3.1	3.7	4.5	5.3	7.4	11	15	24	41	92
Dec.-Feb.	1.7	2.8	6.1	9.1	12	15	18	26	38	56	81	138	331
Sep.-Nov.	1.0	1.4	2.0	2.5	3.0	3.4	3.9	5.3	7.3	11	17	30	67

SANDUSKY RIVER BASIN

04196200 Broken Sword Creek at Nevada, Ohio

LOCATION: Lat 40° 49' 34", long 83° 09' 11", Wyandot County, Hydrologic Unit 04100011, at bridge on State Route 182, 1.0 mi northwest of Nevada, and 5.0 mi upstream from mouth.

DRAINAGE AREA: 83.8 mi².

TRIBUTARY TO: Sandusky River.

STREAMFLOW DATA USED: Low-flow measurements, 1959, 1962-65, 1967, and 1969-71 water years.

INDEX STATION: 04196500 Sandusky River near Upper Sandusky, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s Oct 1963 & Sep 1964.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.2	0	0	Dec.-Feb.	1	2.6	0.3	0.2
	7	.2	0	0		7	4.1	.4	.2
	30	.5	.1	0		30	21	1.1	.4
	90	1.7	.2	.2		90	253	25	11
May-Nov.	1	0.2	0	0	Sep.-Nov.	1	0.2	0	0
	7	.2	0	0		7	.3	0	0
	30	.5	.1	0		30	.8	.1	0
	90	1.8	.3	.2		90	5.5	.4	.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.1	0.2	0.5	0.8	1.2
May-Nov.	.1	.1	.3	.4	.7
Dec.-Feb.	.3	.6	1.3	2.5	4.5
Sep.-Nov.	0	.1	.2	.2	.4

SANDUSKY RIVER BASIN

04196500 Sandusky River near Upper Sandusky, Ohio

LOCATION: Lat 40° 51' 02", long 83° 15' 23", in sec. 21, T. 2 S., R. 14 E., Wyandot County, Hydrologic Unit 04100011, on left bank at downstream side of county road bridge, 0.7 mi downstream from unnamed right bank tributary, 0.8 mi upstream from Rock Run, and 2.0 mi northeast of Upper Sandusky.

DRAINAGE AREA: 298 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: October 1921 to September 1935, April 1938 to October 1981.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 20.1 ft³/s
 Average streamflow: 245 ft³/s (57 years)
 Minimum daily streamflow: 0.6 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	4.1	2.0	1.3	0.9	0.6	Dec.-Feb.	1	22	9.8	6.2	4.3	2.8
	7	5.3	2.5	1.7	1.2	.8		7	29	12	7.8	5.2	3.2
	30	8.7	4.2	2.8	2.0	1.4		30	75	24	13	7.7	4.2
	90	17	8.1	5.6	4.1	3.0		90	324	142	83	51	27
May-Nov.	1	4.1	2.0	1.3	0.9	0.6	Sep.-Nov.	1	4.7	2.1	1.4	1.0	0.6
	7	5.3	2.5	1.7	1.2	.8		7	6.0	2.7	1.8	1.3	.9
	30	8.6	4.2	2.8	2.0	1.4		30	11	4.6	3.0	2.2	1.6
	90	18	8.4	5.7	4.2	2.9		90	34	13	7.7	5.2	3.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	3.0	4.9	8.0	11	14	18	24	38	62	99	160	281	615
May-Nov.	2.3	3.7	5.7	7.7	9.9	12	14	20	29	42	65	113	250
Dec.-Feb.	6.4	9.6	14	22	30	39	50	79	113	172	261	454	979
Sep.-Nov.	1.7	2.7	4.1	5.4	6.8	8.5	10	13	17	24	35	61	157

SANDUSKY RIVER BASIN

04196800 Tymochtee Creek at Crawford, Ohio

LOCATION: Lat 40° 55' 22", long 83° 20' 56", in SE 1/4 sec. 27, T. 1 S., R. 13 E., Wyandot County, Hydrologic Unit 04100011, on right bank at downstream side of bridge on State Route 199 (formerly U.S. Highway 23), 0.4 mi northwest of Crawford, 1.5 mi downstream from Lick Run, 2.7 mi upstream from Little Tymochtee Creek, and 3.0 mi southeast of Carey.

DRAINAGE AREA: 229 mi².

TRIBUTARY TO: Sandusky River.

STREAMFLOW DATA USED: October 1972 to September 1997.

REMARKS: Beginning Mar. 9, 1972, water is diverted at a point 29.4 mi upstream from station into Killdeer Reservoir. Storage is available for low-flow augmentation. During the year, withdrawals totaled 22.4 million gallons, equivalent to a mean annual withdrawal of 0.09 ft³/s. During the year, releases totaled 516.0 million gallons, equivalent to a mean annual release of 2.18 ft³/s.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 1.79 ft³/s
 Average streamflow: 197 ft³/s (25 years)
 Minimum daily streamflow: 0.01 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0.3	0	0	0	0	Dec.-Feb.	1	12	3.1	1.2	0.5	0.1
	7	.6	.1	.1	0	0		7	15	4.5	2.1	1.0	.4
	30	1.7	.5	.2	.1	.1		30	41	11	4.8	2.3	1.0
	90	7.6	2.2	1.2	.7	.4		90	253	119	73	46	26
May-Nov.	1	0.3	0	0	0	0	Sep.-Nov.	1	0.4	0.1	0	0	0
	7	.6	.1	.1	0	0		7	.7	.2	.1	0	0
	30	1.7	.5	.2	.1	.1		30	2.8	.6	.2	.1	.1
	90	7.8	2.2	1.2	.7	.4		90	27	6.7	3.1	1.6	.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.3	0.7	1.7	3.3	5.5	8.5	13	23	39	65	111	223	571
May-Nov.	.1	.4	.9	1.7	2.7	3.8	5.5	9.7	17	27	45	86	254
Dec.-Feb.	1.3	2.1	7.3	12	18	23	29	46	71	110	177	339	793
Sep.-Nov.	.1	.2	.5	.8	1.3	1.8	2.5	4.5	8.1	14	26	52	181

SANDUSKY RIVER BASIN

04197000 Sandusky River near Mexico, Ohio

LOCATION: Lat 41° 02' 39", long 83° 11' 42", in sec. 13, T. 1 N., R. 14 E., Seneca County, Hydrologic Unit 04100011, on right bank at downstream side of county road bridge, 4.1 mi upstream from Honey Creek, 4.2 mi north of Mexico, 4.9 mi south of Tiffin, and 8.3 mi downstream from Mile Run.

DRAINAGE AREA: 774 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: March 1923 to December 1935, August 1938 to March 1982.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 62.5 ft³/s
 Average streamflow: 590 ft³/s (56 years)
 Minimum daily streamflow: 2.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	14	7.8	5.6	4.2	3.0	Dec.-Feb.	1	57	30	21	16	11
	7	17	10	7.7	6.3	5.0		7	71	35	24	17	12
	30	24	15	12	9.6	8.0		30	159	57	33	22	13
	90	46	25	18	15	11		90	747	316	184	112	60
May-Nov.	1	14	7.8	5.6	4.2	3.1	Sep.-Nov.	1	16	8.6	6.1	4.6	3.4
	7	17	10	7.7	6.3	5.1		7	18	10	7.9	6.6	5.5
	30	23	14	11	9.6	8.1		30	28	15	11	9.6	8.1
	90	46	25	19	15	12		90	84	34	22	15	11

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	12	17	24	31	39	48	59	90	144	227	371	672	1640
May-Nov.	10	14	19	23	28	33	39	52	71	101	154	266	585
Dec.-Feb.	22	28	38	51	67	86	110	173	261	397	608	1130	2690
Sep.-Nov.	8.7	12	14	17	20	24	27	35	44	57	79	144	352

SANDUSKY RIVER BASIN

04197052 Honey Creek near Caroline, Ohio

LOCATION: Lat 41° 02' 41", long 82° 51' 04", Seneca County, Hydrologic Unit 04100011, at bridge on Township Road 88, 1.7 mi downstream from Brokenknife Creek, 2.3 mi east of Caroline, 2.5 mi southeast of Attica.

DRAINAGE AREA: 69.0 mi².

TRIBUTARY TO: Sandusky River.

STREAMFLOW DATA USED: Low-flow measurements, 1994-96, 1998, and 1999 water years.

INDEX STATION: 04197100 Honey Creek at Melmore, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.2 ft³/s September 1999.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.9	0.5	0.4	Dec.-Feb.	1	2.4	1.3	1.1
	7	1.0	.6	.5		7	2.5	1.4	1.1
	30	1.3	.7	.6		30	3.6	1.7	1.3
	90	2.0	1.0	.9		90	8.0	5.9	5.4
May-Nov.	1	0.9	0.5	0.4	Sep.-Nov.	1	0.9	0.5	0.4
	7	1.1	.6	.5		7	1.1	.6	.5
	30	1.3	.7	.6		30	1.5	.7	.5
	90	2.1	1.1	.9		90	3.6	1.5	1.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.8	1.0	1.2	1.5	1.8
May-Nov.	.7	.8	1.0	1.2	1.3
Dec.-Feb.	1.1	1.4	2.1	2.4	2.8
Sep.-Nov.	.6	.8	.9	1.0	1.1

SANDUSKY RIVER BASIN

04197100 Honey Creek at Melmore, Ohio

LOCATION: Lat 41° 01' 20", long 83° 06' 35", Seneca County, Hydrologic Unit 04100011, at bridge on State Route 67 and 100, at Melmore, 1.5 mi upstream from Buckeye Creek.

DRAINAGE AREA: 149 mi².

TRIBUTARY TO: Sandusky River.

STREAMFLOW DATA USED: February 1976 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 4.81 ft³/s
 Average streamflow: 133 ft³/s (21 years)
 Minimum daily streamflow: 0.1 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	1.0	0.4	0.2	0.1	0.1	Dec.-Feb.	1	9.4	3.8	2.3	1.5	0.9
	7	1.4	.5	.3	.2	.1		7	11	4.3	2.6	1.7	1.0
	30	2.2	.8	.5	.3	.2		30	27	8.5	4.4	2.5	1.3
	90	6.7	2.2	1.3	.9	.6		90	170	108	83	65	49
May-Nov.	1	1.0	0.4	0.2	0.1	0.1	Sep.-Nov.	1	1.1	0.4	0.2	0.1	0.1
	7	1.5	.6	.3	.2	.1		7	1.6	.5	.3	.2	.1
	30	2.5	.9	.5	.3	.2		30	3.4	.9	.5	.3	.2
	90	7.3	2.4	1.5	1.0	.8		90	25	6.6	3.2	1.7	.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.7	1.2	1.9	3.1	5.0	7.5	10	19	30	49	80	148	351
May-Nov.	.5	.8	1.3	1.8	2.4	3.4	4.6	8.4	14	21	33	62	160
Dec.-Feb.	1.5	2.9	6.9	10	14	19	24	39	56	82	128	226	516
Sep.-Nov.	.4	.7	1.0	1.2	1.5	1.8	2.2	3.7	6.5	12	21	41	140

SANDUSKY RIVER BASIN

04197170 Rock Creek at Tiffin, Ohio

LOCATION: Lat 41° 06' 49", long 83° 10' 06", Seneca County, Hydrologic Unit 04100011, on left bank 0.1 mi downstream from bridge on Rebecca Street, at Heidelberg College, at Tiffin.

DRAINAGE AREA: 34.6 mi².

TRIBUTARY TO: Sandusky River.

STREAMFLOW DATA USED: June 1983 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 3.64 ft³/s
 Average streamflow: 30.4 ft³/s (14 years)
 Minimum daily streamflow: 0.3 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	1.0	0.6	0.5	0.4	0.3	Dec.-Feb.	1	2.7	1.6	1.2	1.0	0.7
	7	1.2	.7	.6	.5	.4		7	3.0	1.7	1.3	1.0	.8
	30	1.6	.9	.7	.6	.5		30	6.0	2.9	2.1	1.6	1.2
	90	2.6	1.3	1.0	.8	.7		90	43	28	22	18	14
May-Nov.	1	1.0	0.6	0.5	0.4	0.3	Sep.-Nov.	1	1.2	0.7	0.6	0.5	0.4
	7	1.2	.7	.6	.5	.4		7	1.4	.9	.7	.6	.5
	30	1.6	.9	.7	.6	.5		30	1.9	1.0	.8	.7	.6
	90	2.6	1.3	1.0	.8	.7		90	7.8	2.7	1.6	1.1	.7

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.8	1.1	1.5	1.8	2.2	2.6	3.2	4.6	6.4	8.7	13	22	59
May-Nov.	.7	.9	1.2	1.4	1.6	1.9	2.1	2.7	3.7	4.9	6.7	10	24
Dec.-Feb.	1.6	2.0	2.6	3.3	4.0	4.7	5.4	7.4	9.9	13	20	37	106
Sep.-Nov.	.8	.9	1.1	1.3	1.4	1.6	1.8	2.3	3.0	4.3	6.2	9.7	28

SANDUSKY RIVER BASIN

0419800 Sandusky River near Fremont, Ohio

LOCATION: Lat 41° 18' 28", long 83° 09' 32", in sec. 17, T. 4 N., R. 15 E., Sandusky County, Hydrologic Unit 04100011, on left bank at downstream side of county road bridge, 2.3 mi upstream from Ballville diversion dam, 2.5 mi downstream from Wolf Creek, and 3.5 mi southwest of Fremont.

DRAINAGE AREA: 1,251 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: October 1923 to September 1935, August 1938 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 106 ft³/s
 Average streamflow: 1,030 ft³/s (71 years)
 Minimum daily streamflow: 5.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	23	14	11	8.5	6.7	Dec.-Feb.	1	104	52	36	26	18
	7	28	17	13	10	7.9		7	122	59	40	28	19
	30	36	22	19	17	15		30	278	101	59	38	23
	90	75	39	29	23	19		90	1350	591	315	185	81
May-Nov.	1	23	14	11	8.5	6.7	Sep.-Nov.	1	26	15	11	8.7	6.8
	7	28	17	13	10	7.9		7	30	17	13	10	8.0
	30	36	23	19	16	13		30	45	23	18	15	13
	90	77	39	30	24	20		90	156	58	36	25	16

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	20	28	39	50	62	78	100	171	275	420	659	1200	2760
May-Nov.	17	24	31	38	45	53	62	86	128	198	307	503	1130
Dec.-Feb.	36	45	68	90	126	161	204	329	473	688	1100	1990	4470
Sep.-Nov.	14	18	25	30	34	38	43	53	67	89	146	291	727

SANDUSKY RIVER BASIN

04198007 Muskellunge Creek near Fremont, Ohio

LOCATION: Lat 41° 22' 21", long 83° 08' 46", Sandusky County, Hydrologic Unit 04100011, at Christy Road bridge, 1.8 mi upstream from mouth, 1.8 mi northwest of Fremont.

DRAINAGE AREA: 41.8 mi².

TRIBUTARY TO: Sandusky River.

STREAMFLOW DATA USED: Low-flow measurements, 1980-83, 1994-96, 1998, and 1999 water years.

INDEX STATION: 04197100 Honey Creek at Melmore, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.1 ft³/s September 1995.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.4	0.1	0.1	Dec.-Feb.	1	2.5	0.7	0.5
	7	.4	.1	.1		7	2.7	.8	.5
	30	.7	.2	.1		30	6.1	1.3	.8
	90	1.8	.4	.3		90	31	17	13
May-Nov.	1	0.4	0.1	0.1	Sep.-Nov.	1	0.4	0.1	0.1
	7	.5	.1	.1		7	.5	.1	.1
	30	.8	.2	.1		30	1.0	.2	.1
	90	2.0	.5	.3		90	5.8	1.0	.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.2	0.4	0.6	0.9	1.4
May-Nov.	.2	.3	.4	.6	.7
Dec.-Feb.	.5	.9	1.9	2.6	3.5
Sep.-Nov.	.2	.2	.3	.4	.5

HURON RIVER BASIN

04198020 West Branch Huron River near Monroeville, Ohio

LOCATION: Lat 41° 16' 40", long 82° 40' 30", Huron County, Hydrologic Unit 04100012, at bridge on Lamoreaux Road, 2.5 mi northeast of Monroeville.

DRAINAGE AREA: 220 mi².

TRIBUTARY TO: Head of Huron River.

STREAMFLOW DATA USED: Low-flow measurements, 1960-67 and 1970-78 water years.

INDEX STATION: 04199000 Huron River at Milan, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.7 ft³/s October 1973.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	4.2	0.7	0.5	Dec.-Feb.	1	20	7.6	4.5
	7	6.2	1.1	.7		7	23	8.8	6.1
	30	8.9	2.3	1.6		30	51	13	8.9
	90	16	6.9	4.7		90	217	69	45
May-Nov.	1	4.2	0.7	0.5	Sep.-Nov.	1	4.9	0.8	0.5
	7	6.2	1.1	.7		7	7.5	1.2	.7
	30	9.0	2.3	1.6		30	11	2.7	1.8
	90	16	7.0	4.7		90	30	9.5	7.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	2.7	6.2	9.1	12	14
May-Nov.	1.9	3.9	7.1	8.7	10
Dec.-Feb.	9.1	12	16	19	24
Sep.-Nov.	1.3	2.8	5.2	7.4	8.5

HURON RIVER BASIN

04198500 East Branch Huron River near Norwalk, Ohio

LOCATION: Lat 41° 14' 58", long 80° 38' 52", Huron County, Hydrologic Unit 04100012, at highway bridge 1.3 mi northwest of Norwalk, and 1.5 mi below mouth of Cole Creek.

DRAINAGE AREA: 85.5 mi².

TRIBUTARY TO: West Branch Huron River.

STREAMFLOW DATA USED: November 1923 to December 1935.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 7.56 ft³/s
 Average streamflow: 68.1 ft³/s (11 years)
 Minimum daily streamflow: 0.2 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	2.0	0.8	0.4	0.2	0.1	Dec.-Feb.	1	11	6.4	5.0	4.0	3.0
	7	2.4	1.0	.6	.4	.2		7	12	6.8	5.1	4.0	3.0
	30	3.6	1.8	1.2	.9	.6		30	27	12	7.9	5.6	3.7
	90	6.4	3.4	2.4	1.8	1.3		90	102	46	28	17	9.2
May-Nov.	1	2.0	0.8	0.4	0.2	0.1	Sep.-Nov.	1	2.7	1.5	1.0	0.7	0.5
	7	2.4	1.0	.6	.4	.2		7	3.4	1.8	1.4	1.1	.8
	30	3.6	1.8	1.2	.9	.6		30	5.0	2.7	2.2	2.0	1.8
	90	6.4	3.4	2.4	1.8	1.3		90	13	6.3	4.9	4.2	3.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	1.4	2.3	3.5	4.6	5.7	6.9	8.2	12	17	24	38	64	148
May-Nov.	.9	1.7	2.5	3.2	3.9	4.5	5.3	6.9	8.6	11	16	27	65
Dec.-Feb.	5.8	7.4	10	13	15	17	21	25	34	49	72	116	263
Sep.-Nov.	1.3	2.0	3.1	3.6	4.0	4.6	5.2	6.4	7.7	9.2	13	24	55

HURON RIVER BASIN

04199000 Huron River at Milan, Ohio

LOCATION: Lat 41° 18' 06", long 82° 36' 25, in SW 1/4 sec. 4, T. 5 N., R. 22 W., Erie County, Hydrologic Unit 04100012, on right bank on upstream side of bridge on U.S. Highway 250, 0.2 mi northwest of Milan, and 2.0 mi downstream from confluence of East and West Branches.

DRAINAGE AREA: 371 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: April 1950 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 40.0 ft³/s
 Average streamflow: 311 ft³/s (41 years)
 Minimum daily streamflow: 3.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	9.3	5.5	4.2	3.4	2.6	Dec.-Feb.	1	34	18	13	9.6	7.0
	7	11	6.6	5.0	4.0	3.2		7	41	21	15	11	8.0
	30	15	9.0	7.2	6.1	5.2		30	93	37	23	15	9.7
	90	27	15	12	9.9	8.4		90	417	203	126	81	46
May-Nov.	1	9.3	5.5	4.2	3.4	2.6	Sep.-Nov.	1	10	5.7	4.3	3.5	2.8
	7	11	6.6	5.0	4.0	3.2		7	13	7.1	5.3	4.2	3.3
	30	15	9.0	7.1	6.0	5.1		30	19	9.9	7.6	6.3	5.2
	90	28	15	12	9.8	8.3		90	54	24	16	12	8.7

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	7.6	11	16	20	25	30	37	56	84	128	201	336	717
May-Nov.	6.5	9.0	12	15	18	21	24	32	44	61	89	146	301
Dec.-Feb.	16	21	28	33	43	56	69	102	145	203	303	496	1100
Sep.-Nov.	5.4	7.8	10	12	14	16	18	23	29	38	55	86	181

HURON RIVER BASIN

04199155 Old Womans Creek at Berlin Road near Huron, Ohio

LOCATION: Lat 41° 20' 54", long 82° 22' 50", Erie County, Hydrologic Unit 04100012, on left downstreamside of Berlin Road bridge, 3.8 mi southeast of Huron.

DRAINAGE AREA: 22.1 mi².

TRIBUTARY TO: Huron River.

STREAMFLOW DATA USED: Continuous streamflow record October 1987 to September 1997.

INDEX STATION: 04199000 Huron River at Milan, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s Several times.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.1	0	0	Dec.-Feb.	1	0.7	0.1	0.1
	7	.1	0	0		7	1.0	.2	.1
	30	.2	0	0		30	3.9	.3	.2
	90	.5	.1	.1		90	52	6.6	3.1
May-Nov.	1	0.1	0	0	Sep.-Nov.	1	0.1	0	0
	7	.1	0	0		7	.1	0	0
	30	.2	0	0		30	.2	0	0
	90	.5	.1	.1		90	1.6	.2	.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0	0.1	0.2	0.3	0.4
May-Nov.	0	.1	.1	.2	.2
Dec.-Feb.	.2	.3	.5	.7	1.0
Sep.-Nov.	0	0	.1	.1	.2

VERMILION RIVER BASIN

04199300 Vermilion River at Clarksfield, Ohio

LOCATION: Lat 41° 11' 45", long 82° 24' 55", Huron County, Hydrologic Unit 04100012, at bridge on Zenobia Road at Clarksfield.

DRAINAGE AREA: 130 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: Low-flow measurements, 1960, 1962-67, and 1970-71 water years.

INDEX STATION: 04199500 Vermilion River near Vermilion, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s October 1963.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.2	0	0	Dec.-Feb.	1	4.3	0.9	0.5
	7	.3	0	0		7	5.5	1.2	.7
	30	.7	.1	0		30	13	2.0	1.1
	90	2.0	.4	.2		90	53	11	4.8
May-Nov.	1	0.2	0	0	Sep.-Nov.	1	0.3	0	0
	7	.3	0	0		7	.4	0	0
	30	.7	.1	0		30	1.1	.1	0
	90	2.0	.4	.2		90	5.6	.5	.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.1	0.4	0.7	1.1	1.7
May-Nov.	0	.2	.4	.6	.8
Dec.-Feb.	1.0	1.8	2.7	3.7	5.0
Sep.-Nov.	0	.1	.3	.4	.5

VERMILION RIVER BASIN

04199500 Vermilion River near Vermilion, Ohio

LOCATION: Lat 41° 22' 55", long 82° 19' 01", T. 6 N., R. 19 W., Lorain County, Hydrologic Unit 04100012, on right bank 40 ft downstream from bridge on North Ridge Road, 3.5 mi southeast of Vermilion, and 4.5 mi upstream from mouth.

DRAINAGE AREA: 262 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: April 1950 to September 1981.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 6.67 ft³/s
 Average streamflow: 258 ft³/s (31 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 4 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	1.3	0.2	0.1	0	0	Dec.-Feb.	1	25	9.1	4.9	2.8	1.4
	7	1.7	.4	.1	0	0		7	32	12	6.4	3.5	1.7
	30	3.8	1.0	.4	.1	0		30	77	22	11	5.8	2.7
	90	11	3.7	2.0	1.2	.7		90	352	139	66	28	7.8
May-Nov.	1	1.3	0.2	0.1	0	0	Sep.-Nov.	1	1.4	0.3	0.1	0	0
	7	1.7	.4	.1	0	0		7	2.0	.4	.1	0	0
	30	3.8	1.0	.4	.1	0		30	5.8	1.3	.5	.1	0
	90	12	3.8	2.0	1.2	.7		90	33	7.2	2.8	1.2	.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.6	1.8	3.6	6.1	9.5	14	18	32	55	89	146	262	595
May-Nov.	.2	1.1	2.1	3.2	4.5	6.2	8.3	14	22	33	53	95	215
Dec.-Feb.	5.1	10	16	21	29	40	51	74	103	150	243	436	970
Sep.-Nov.	0	.3	1.3	2.0	2.7	3.5	4.5	7.1	12	18	30	53	131

BEAVER CREEK BASIN

04199550 Beaver Creek at Amherst, Ohio

LOCATION: Lat 41° 25' 35", long 82° 13' 58", Lorain County, Hydrologic Unit 04110001, at bridge on Longbrook Road, 0.2 mi west of northern city limits of Amherst, 0.3 mi downstream from unnamed creek "A", 1.8 mi upstream from mouth.

DRAINAGE AREA: 43.4 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: Low-flow measurements, 1980-83 water years.

INDEX STATION: 04200500 Black River at Elyria, Ohio.

REMARKS: Some regulation by Sewage Treatment Plant in Amherst.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 2.4 ft³/s September 1982.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.3	0.8	0.7	Dec.-Feb.	1	3.9	1.9	1.5
	7	1.6	1.1	.9		7	4.3	2.1	1.7
	30	2.0	1.3	1.2		30	7.7	2.9	2.2
	90	3.3	1.8	1.5		90	22	11	7.9
May-Nov.	1	1.3	0.8	0.7	Sep.-Nov.	1	1.4	0.8	0.7
	7	1.6	1.1	.9		7	1.7	1.1	1.0
	30	2.0	1.3	1.2		30	2.4	1.3	1.2
	90	3.4	1.8	1.6		90	6.2	2.4	1.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.3	1.6	2.0	2.4	2.8
May-Nov.	1.2	1.4	1.7	2.0	2.2
Dec.-Feb.	1.7	2.4	3.2	4.0	4.7
Sep.-Nov.	1.1	1.3	1.5	1.7	1.9

BLACK RIVER BASIN

04200000 East Branch Black River at Elyria, Ohio

LOCATION: Lat 41° 20' 55", long 82° 05' 40", Lorain County, Hydrologic Unit 04110001, at Fuller Street bridge, 1.3 mi southeast of center of Elyria, and 3.0 mi above junction with West Branch.

DRAINAGE AREA: 217 mi².

TRIBUTARY TO: Head of Black River.

STREAMFLOW DATA USED: August 1922 to November 1935.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 2.40 ft³/s
 Average streamflow: 177 ft³/s (12 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 2 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0.2	0.1	0	0	0	Dec.-Feb.	1	8.6	3.6	2.3	1.6	1.0
	7	.4	0	0	0	0		7	11	4.5	2.8	1.9	1.3
	30	1.3	.3	.1	0	0		30	48	14	7.1	3.9	1.9
	90	4.8	1.1	.5	.2	.1		90	259	80	36	17	6.3
May-Nov.	1	0.3	0.1	0	0	0	Sep.-Nov.	1	0.3	0.1	0.1	0	0
	7	.5	.1	0	0	0		7	.4	.1	.1	0	0
	30	1.4	.3	.1	0	0		30	1.7	.4	.2	.1	.1
	90	4.9	1.2	.5	.3	.1		90	15	3.2	1.5	.8	.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.1	0.4	1.1	2.6	3.7	5.2	6.8	13	25	47	88	175	450
May-Nov.	.1	.2	.5	.9	1.7	2.8	3.4	5.6	8.0	13	23	52	160
Dec.-Feb.	3.5	5.1	7.5	11	18	22	29	44	68	100	181	325	776
Sep.-Nov.	.1	.2	.3	.5	.7	1.2	1.9	3.4	4.6	7.7	13	34	130

BLACK RIVER BASIN

04200500 Black River at Elyria, Ohio

LOCATION: Lat 41° 22' 49", long 82° 06' 17", in T. 6 N., R. 17 W., Lorain County, Hydrologic Unit 04110001, on left bank in Cascade Park at Elyria, 0.8 mi downstream from confluence of East and West Branches.

DRAINAGE AREA: 396 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: October 1944 to September 1997.

REMARKS: Some regulation at low flow for industrial use.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 28.4 ft³/s
 Average streamflow: 338 ft³/s (53 years)
 Minimum daily streamflow: 0.6 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	5.7	3.5	2.7	2.1	1.6	Dec.-Feb.	1	31	15	9.7	6.7	4.4
	7	7.7	5.0	4.0	3.3	2.6		7	36	18	12	8.3	5.5
	30	11	6.6	5.3	4.5	3.7		30	90	33	19	12	7.0
	90	24	12	8.9	7.0	5.5		90	495	250	153	95	51
May-Nov.	1	5.7	3.5	2.7	2.1	1.6	Sep.-Nov.	1	6.0	3.5	2.6	2.1	1.6
	7	7.7	5.0	4.0	3.3	2.6		7	8.3	5.0	4.0	3.4	2.9
	30	11	6.6	5.3	4.4	3.7		30	14	7.3	5.6	4.7	4.0
	90	25	13	9.1	7.2	5.5		90	65	24	14	9.3	5.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	5.6	7.7	11	15	19	23	30	47	75	124	206	369	836
May-Nov.	4.6	6.3	8.3	10	13	15	18	24	34	50	76	137	336
Dec.-Feb.	8.2	15	22	32	41	54	66	99	146	214	325	560	1250
Sep.-Nov.	3.9	5.5	7.0	8.3	9.6	11	13	18	23	32	50	97	252

ROCKY RIVER BASIN

04201400 West Branch Rocky River at West View, Ohio

LOCATION: Lat 41° 21' 00", long 81° 54' 15", Cuyahoga-Lorain County, Hydrologic Unit 04110001, at bridge on State Route 252 at West View, on Cuyahoga-Lorain County line.

DRAINAGE AREA: 147 mi².

TRIBUTARY TO: Head of Rocky River.

STREAMFLOW DATA USED: Low-flow measurements, 1951, 1961, 1962-67, and 1971-74 water years.

INDEX STATION: 04201500 Rocky River near Berea, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.3 ft³/s October 1963.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	2.2	0.3	0.1	Dec.-Feb.	1	17	4.7	3.1
	7	2.8	.4	.2		7	20	5.8	3.9
	30	5.5	.8	.4		30	58	12	7.3
	90	13	1.9	1.0		90	296	80	46
May-Nov.	1	2.2	0.3	0.1	Sep.-Nov.	1	3.0	0.4	0.2
	7	2.8	.4	.2		7	4.0	.6	.3
	30	5.6	.8	.4		30	8.7	1.1	.6
	90	13	1.9	1.1		90	41	5.0	2.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.9	1.9	3.6	6.0	8.6
May-Nov.	.6	1.2	2.2	3.1	4.5
Dec.-Feb.	5.6	8.0	13	20	25
Sep.-Nov.	.5	1.0	1.7	2.6	3.4

ROCKY RIVER BASIN

04201498 East Branch Rocky River near Berea, Ohio

LOCATION: Lat 41° 24' 21", long 81° 53' 10", Cuyahoga County, Hydrologic Unit 04110001, at bridge on park road in Rocky River Reservation, 0.1 mi upstream from mouth, 3.0 mi northwest of Berea.

DRAINAGE AREA: 76.9 mi².

TRIBUTARY TO: Rocky River.

STREAMFLOW DATA USED: Low-flow measurements, 1980-83 water years.

INDEX STATION: 04201500 Rocky River near Berea, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 6.8 ft³/s August 1982.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	3.3	0.6	0.3	Dec.-Feb.	1	18	6.1	4.3
	7	4.0	.8	.5		7	20	7.3	5.3
	30	7.0	1.5	.9		30	48	13	8.8
	90	14	2.9	1.8		90	184	63	40
May-Nov.	1	3.3	0.6	0.3	Sep.-Nov.	1	4.2	0.8	0.4
	7	4.0	.8	.5		7	5.4	1.1	.7
	30	7.1	1.5	.9		30	10	1.9	1.2
	90	14	3.0	1.8		90	36	6.4	3.7

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.6	2.9	5.0	7.4	10
May-Nov.	1.2	2.0	3.2	4.4	6.0
Dec.-Feb.	7.0	9.5	14	20	25
Sep.-Nov.	1.0	1.7	2.7	3.7	4.7

ROCKY RIVER BASIN

04201500 Rocky River near Berea, Ohio

LOCATION: Lat 41° 24' 24", long 81° 53' 14", in T. 6 N., R. 15 W., Cuyahoga County, Hydrologic Unit 04110001, on right bank at downstream side of Cedar Point Road Bridge in Rocky River Reservation, just downstream from confluence of East and West Branches, and 3.0 mi northwest of Berea.

DRAINAGE AREA: 267 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: October 1923 to September 1935, October 1943 to September 1997.

REMARKS: Some regulation at low flow by small reservoirs on East Branch.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 22.4 ft³/s
 Average streamflow: 284 ft³/s (66 years)
 Minimum daily streamflow: 0.2 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	7.2	2.4	1.2	0.7	0.3	Dec.-Feb.	1	40	20	13	9.4	6.2
	7	8.8	3.3	1.8	1.1	.6		7	45	23	16	12	7.9
	30	15	5.8	3.2	1.9	1.0		30	108	47	29	19	12
	90	31	11	6.4	3.9	2.2		90	419	223	141	90	50
May-Nov.	1	7.2	2.4	1.2	0.7	0.3	Sep.-Nov.	1	9.2	3.1	1.6	0.9	0.4
	7	8.8	3.3	1.8	1.1	.6		7	12	4.3	2.4	1.5	.8
	30	16	5.8	3.2	1.9	1.0		30	22	7.4	4.1	2.6	1.5
	90	32	12	6.5	3.9	2.2		90	82	27	14	8.1	4.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	3.5	6.3	11	16	22	29	37	56	85	128	196	319	664
May-Nov.	2.5	4.3	7.1	9.6	13	17	21	31	43	60	87	145	320
Dec.-Feb.	16	21	31	44	55	65	79	111	146	197	280	450	960
Sep.-Nov.	2.1	3.7	5.9	8.1	10	14	17	25	37	51	75	127	299

CUYAHOGA RIVER BASIN

04202000 Cuyahoga River at Hiram Rapids, Ohio

LOCATION: Lat 41° 20' 26", long 81° 10' 01", in T. 5 N., R. 7 W., Portage County, Hydrologic Unit 04110002, on left bank at downstream side of bridge on Winchell Road at Hiram Rapids, 0.6 mi downstream from Black Brook.

DRAINAGE AREA: 151 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: October 1961 to September 1997.

REMARKS: Flow regulated by East Branch Reservoir, usable capacity, 4,140 acre-ft, 14.6 mi upstream since 1939 and by LaDue Reservoir, usable capacity, 18,110 acre-ft, 9.8 mi upstream since 1961.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 95.8 ft³/s
 Average streamflow: 225 ft³/s (36 years)
 Minimum daily streamflow: 12 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	21	16	15	14	13	Dec.-Feb.	1	77	48	37	30	23
	7	28	21	18	15	13		7	86	54	43	35	28
	30	47	36	31	27	23		30	133	82	65	54	43
	90	70	55	49	44	40		90	306	200	152	119	87
May-Nov.	1	21	16	15	14	13	Sep.-Nov.	1	27	18	14	12	10
	7	29	21	18	15	13		7	35	22	18	14	12
	30	48	37	31	27	23		30	64	40	32	26	21
	90	71	55	49	45	40		90	132	88	71	59	48

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	25	34	45	54	63	72	81	103	130	170	233	334	531
May-Nov.	22	29	37	44	50	56	62	74	87	106	133	178	286
Dec.-Feb.	39	50	66	82	98	110	123	157	203	264	334	442	634
Sep.-Nov.	19	25	34	42	49	56	63	79	96	117	148	202	314

CUYAHOGA RIVER BASIN

04204000 Little Cuyahoga River at Mogadore, Ohio

LOCATION: Lat 41° 03' 47", long 81° 23' 38", T. 1 N., R. 10 W., Summit County, Hydrologic Unit 04110002, on right bank at upstream side of bridge on State Route 532, 500 ft downstream from Mogadore Reservoir, 0.8 mi upstream from Wingfoot Lake Outlet, and 0.8 mi north of Mogadore.

DRAINAGE AREA: 17.3 mi².

TRIBUTARY TO: Cuyahoga River.

STREAMFLOW DATA USED: November 1945 to October 1978.

REMARKS: Flow regulated by Mogadore Reservoir, usable capacity, 6,540 acre-ft.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 4.80 ft³/s
 Average streamflow: 14.5 ft³/s (32 years)
 Minimum daily streamflow: 0.1 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	1.2	0.5	0.3	0.2	0.1	Dec.-Feb.	1	5.3	2.2	1.3	0.8	0.4
	7	1.6	.8	.5	.4	.2		7	7.0	2.9	1.6	.9	.4
	30	2.6	1.3	.8	.6	.4		30	10	4.1	2.2	1.3	.6
	90	4.3	2.2	1.5	1.1	.8		90	17	9.4	6.3	4.3	2.7
May-Nov.	1	1.2	0.5	0.3	0.2	0.1	Sep.-Nov.	1	1.5	0.6	0.4	0.2	0.1
	7	1.7	.8	.5	.4	.2		7	1.9	.8	.5	.4	.2
	30	2.6	1.4	.9	.7	.5		30	3.2	1.5	1.0	.8	.5
	90	4.5	2.5	1.8	1.4	1.1		90	6.2	3.6	2.7	2.1	1.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.9	1.4	2.0	2.7	3.7	4.7	5.8	8.2	10	13	17	23	32
May-Nov.	.8	1.2	1.6	2.1	2.5	3.1	3.8	5.3	7.0	8.9	12	15	22
Dec.-Feb.	1.2	1.7	3.8	5.6	7.4	8.6	9.3	11	14	18	21	26	38
Sep.-Nov.	.6	.9	1.2	1.6	1.9	2.2	2.5	3.6	5.3	7.0	9.1	12	16

CUYAHOGA RIVER BASIN

04204500 Little Cuyahoga River at Massillon Road, Akron, Ohio

LOCATION: Lat 41° 03' 37", long 81° 27' 48", in T. 1 N., R. 10 W., Summit County, Hydrologic Unit 04110002, on left bank 50 ft downstream from bridge on Massillon Road in Akron, and 250 ft upstream from Springfield Lake Outlet.

DRAINAGE AREA: 31.6 mi².

TRIBUTARY TO: Cuyahoga River.

STREAMFLOW DATA USED: November 1945 to September 1974.

REMARKS: Flow regulated by Mogadore Reservoir 4.5 mi upstream, usable capacity 6,540 acre-ft and Wingfoot Lake 7.2 mi upstream.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 15.0 ft³/s
 Average streamflow: 27.6 ft³/s (28 years)
 Minimum daily streamflow: 3.1 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	5.7	4.1	3.5	3.1	2.7	Dec.-Feb.	1	11	7.3	5.8	4.7	3.7
	7	6.3	4.6	3.9	3.4	2.9		7	13	8.5	6.7	5.4	4.2
	30	8.0	5.8	4.9	4.3	3.7		30	18	11	8.5	6.9	5.4
	90	11	7.7	6.5	5.7	4.9		90	30	18	14	10	7.5
May-Nov.	1	5.7	4.1	3.5	3.1	2.7	Sep.-Nov.	1	6.0	4.4	3.8	3.4	2.9
	7	6.4	4.6	3.9	3.5	3.0		7	6.8	5.0	4.2	3.7	3.2
	30	8.0	5.8	5.0	4.4	3.8		30	8.8	6.4	5.5	4.9	4.4
	90	11	7.7	6.5	5.7	4.9		90	14	9.7	8.0	6.8	5.7

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	4.6	5.8	7.0	8.5	10	12	13	16	19	24	30	41	57
May-Nov.	4.4	5.2	6.1	7.0	8.0	9.0	10	12	15	17	21	27	40
Dec.-Feb.	5.5	7.5	9.9	12	14	15	16	20	23	28	35	45	64
Sep.-Nov.	4.3	5.0	5.7	6.3	6.9	7.6	8.5	10	12	14	16	20	27

CUYAHOGA RIVER BASIN

04205000 Springfield Lake Outlet at Akron, Ohio

LOCATION: Lat 41° 03' 21", long 81° 27' 52", in T. 1 N., R. 10 W., Summit County, Hydrologic Unit 04110002, on right bank 3.0 mi downstream from Springfield Lake in Akron, and 0.3 mi upstream from mouth.

DRAINAGE AREA: 9.72 mi².

TRIBUTARY TO: Little Cuyahoga River.

STREAMFLOW DATA USED: November 1945 to September 1949, October 1960 to September 1974.

REMARKS: Flow regulated by Springfield Lake.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 0.88 ft³/s
 Average streamflow: 4.87 ft³/s (17 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 10 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0.1	0	0	0	0	Dec.-Feb.	1	0.4	0	0	0	0
	7	.2	0	0	0	0		7	.6	.1	0	0	0
	30	.5	.1	0	0	0		30	1.2	.3	.1	0	0
	90	1.3	.5	.3	.2	.1		90	3.6	1.4	.8	.4	.2
May-Nov.	1	0.2	0	0	0	0	Sep.-Nov.	1	0.3	0	0	0	0
	7	.3	0	0	0	0		7	.3	0	0	0	0
	30	.6	.1	0	0	0		30	.7	.2	.1	0	0
	90	1.5	.6	.4	.2	.1		90	2.0	.9	.5	.3	.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0	0.1	0.3	0.5	0.7	1.0	1.4	2.0	2.7	3.6	5.1	7.5	12
May-Nov.	0	.1	.2	.4	.6	.8	1.0	1.6	2.2	2.8	3.6	5.0	8.4
Dec.-Feb.	0	.1	.1	.2	.4	.6	1.0	1.7	2.5	3.4	4.6	6.7	10
Sep.-Nov.	0	0	.1	.2	.3	.5	.6	.9	1.4	1.9	2.3	3.1	4.7

CUYAHOGA RIVER BASIN

04206000 Cuyahoga River at Old Portage, Ohio

LOCATION: Lat 41° 08' 08", long 81° 32' 50", Summit County, Hydrologic Unit 04110002, on right bank 230 ft upstream from North Portage Path bridge at Old Portage, 1.2 mi downstream from Little Cuyahoga River, and 4.0 mi northwest of Akron City Hall.

DRAINAGE AREA: 404 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: October 1939 to September 1997.

REMARKS: Natural flow of stream affected by diversions, storage reservoirs, and power plants. At Lake Rockwell, 17.7 mi upstream from gage, an average of 64 ft³/s was diverted for municipal supply of city of Akron. Sewage from city enters river 2.9 mi downstream from station. Some diversion from the Tuscarawas River Basin drain into this basin at Portage Lakes.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 183 ft³/s
 Average streamflow: 442 ft³/s (58 years)
 Minimum daily streamflow: 24 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	61	42	34	28	23	Dec.-Feb.	1	132	76	56	43	32
	7	74	55	47	42	36		7	155	93	71	57	44
	30	94	67	56	49	42		30	245	134	96	73	52
	90	131	87	70	58	48		90	537	328	242	183	130
May-Nov.	1	62	42	34	29	23	Sep.-Nov.	1	67	44	35	30	24
	7	75	55	47	42	36		7	79	56	48	44	40
	30	95	68	57	49	42		30	113	73	59	51	44
	90	133	88	72	60	50		90	209	121	91	71	54

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	52	62	79	95	113	131	151	200	270	364	491	677	1040
May-Nov.	48	57	68	79	90	102	114	142	175	220	288	402	625
Dec.-Feb.	57	78	109	137	165	196	228	303	387	487	630	850	1220
Sep.-Nov.	46	55	64	71	80	89	99	123	151	194	252	352	556

CUYAHOGA RIVER BASIN

04206208 Yellow Creek at Ghent, Ohio

LOCATION: Lat 41° 09' 29", long 81° 38' 32", Summit County, Hydrologic Unit 04110002, on left downstream bank at driveway of Creekside Farm at 3680 Granger Road, 150 ft south of Granger Road, 0.3 mi west of Cleveland-Massillon Road, 2.9 mi northwest of Akron Corporate boundary.

DRAINAGE AREA: 12.7 mi².

TRIBUTARY TO: Cuyahoga River.

STREAMFLOW DATA USED: Continuous streamflow record October 1991 to September 1997.

INDEX STATION: 04207200 Tinkers Creek at Bedford, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.1 ft³/s August 1993.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	2.0	1.2	1.0	Dec.-Feb.	1	4.2	2.4	2.0
	7	2.3	1.3	1.1		7	4.8	3.0	2.6
	30	3.5	1.8	1.4		30	8.1	4.1	3.4
	90	6.0	2.6	1.9		90	24	13	10
May-Nov.	1	2.0	1.2	1.0	Sep.-Nov.	1	2.3	1.2	1.0
	7	2.3	1.3	1.1		7	2.8	1.4	1.1
	30	3.5	1.8	1.4		30	5.1	2.1	1.6
	90	6.0	2.5	1.9		90	12	4.1	2.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.3	2.0	2.7	3.2	3.7
May-Nov.	1.2	1.6	2.2	2.6	2.9
Dec.-Feb.	2.9	3.9	4.6	5.4	5.9
Sep.-Nov.	1.1	1.4	2.2	2.6	3.1

CUYAHOGA RIVER BASIN

04206210 North Fork at Bath, Ohio

LOCATION: Lat 41° 11' 20", long 81° 39' 12", Summit County, Hydrologic Unit 04110002, on right upstream bank at triple barrel culvert under Ira Road, 0.9 mi west of Cleveland-Massillon Road, 4.7 mi northwest of Akron Corporate boundary.

DRAINAGE AREA: 2.81 mi².

TRIBUTARY TO: Yellow Creek.

STREAMFLOW DATA USED: Continuous streamflow record October 1991 to September 1997.

INDEX STATION: 03092090 West Branch Mahoning River near Ravenna, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.01 ft³/s July 1992.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.2	0	0	Dec.-Feb.	1	0.6	0.3	0.2
	7	.2	.1	0		7	.7	.4	.3
	30	.3	.1	.1		30	1.3	.6	.4
	90	.5	.3	.2		90	3.9	2.1	1.6
May-Nov.	1	0.2	0	0	Sep.-Nov.	1	0.2	0.1	0
	7	.2	.1	0		7	.2	.1	0
	30	.3	.1	.1		30	.4	.2	.2
	90	.5	.3	.2		90	1.4	.6	.5

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.1	0.2	0.2	0.3	0.4
May-Nov.	.1	.2	.2	.2	.3
Dec.-Feb.	.4	.5	.6	.8	.9
Sep.-Nov.	.1	.1	.2	.2	.3

CUYAHOGA RIVER BASIN

04206211 Park Creek at Bath Center, Ohio

LOCATION: Lat 41° 10' 44", long 81° 38' 09", Summit County, Hydrologic Unit 04110002, on upstream left bank at culvert under entrance of Bath Community Center, 200 ft east of Cleveland-Massillon Road, 0.7 mi north of Bath, 3.7 mi northwest of Akron Corporate boundary.

DRAINAGE AREA: 0.83 mi².

TRIBUTARY TO: North Fork.

STREAMFLOW DATA USED: Continuous streamflow record October 1991 to September 1997.

INDEX STATION: 03092090 West Branch Mahoning River near Ravenna, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s July 1993.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0	0	0	Dec.-Feb.	1	0.3	0.1	0.1
	7	0	0	0		7	.3	.1	.1
	30	.1	0	0		30	.6	.2	.2
	90	.2	.1	.1		90	2.4	1.1	.8
May-Nov.	1	0	0	0	Sep.-Nov.	1	0	0	0
	7	0	0	0		7	.1	0	0
	30	.1	0	0		30	.2	.1	0
	90	.2	.1	.1		90	.7	.2	.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0	0	0.1	0.1	0.1
May-Nov.	0	0	.1	.1	.1
Dec.-Feb.	.1	.2	.2	.3	.4
Sep.-Nov.	0	0	0	.1	.1

CUYAHOGA RIVER BASIN

04206212 North Fork at Bath Center, Ohio

LOCATION: Lat 41° 10' 08", long 81° 38' 04", Summit County, Hydrologic Unit 04110002, on left upstream side of bridge on Bath Road, 750 ft east of Cleveland-Massillon Road, 3.1 mi northwest of Akron Corporate boundary.

DRAINAGE AREA: 5.58 mi².

TRIBUTARY TO: Yellow Creek.

STREAMFLOW DATA USED: Continuous streamflow record August 1991 to September 1997.

INDEX STATION: 03092090 West Branch Mahoning River near Ravenna, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0.07 ft³/s July 1992.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.2	0	0	Dec.-Feb.	1	1.4	0.5	0.3
	7	.2	.1	0		7	1.6	.6	.5
	30	.4	.2	.1		30	3.4	1.2	.9
	90	1.0	.4	.4		90	13	6.1	4.5
May-Nov.	1	0.2	0	0	Sep.-Nov.	1	0.3	0.1	0
	7	.2	.1	0		7	.4	.1	0
	30	.4	.2	.1		30	.8	.3	.2
	90	1.0	.4	.4		90	3.6	1.3	.9

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.2	0.3	0.4	0.6	0.7
May-Nov.	.1	.2	.3	.4	.5
Dec.-Feb.	.7	1.0	1.3	1.8	2.0
Sep.-Nov.	.1	.2	.3	.4	.5

CUYAHOGA RIVER BASIN

04206215 Bath Creek at Bath Center, Ohio

LOCATION: Lat 41° 10' 09", long 81° 38' 56", Summit County, Hydrologic Unit 04110002, at bridge on Bath Road, 0.2 mi downstream from Steriner Pond, 0.6 mi west of Cleveland-Massillon Road, and 3.6 mi northwest of Akron Corporate boundary.

DRAINAGE AREA: 3.52 mi².

TRIBUTARY TO: Yellow Creek.

STREAMFLOW DATA USED: Continuous streamflow record October 1991 to September 1997.

INDEX STATION: 04207200 Tinkers Creek at Bedford, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 0 ft³/s September 1993

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	0.2	0.1	0.1	Dec.-Feb.	1	0.6	0.3	0.2
	7	.3	.1	.1		7	.7	.4	.3
	30	.5	.2	.1		30	1.5	.6	.4
	90	1.0	.3	.2		90	7.0	2.9	2.1
May-Nov.	1	0.2	0.1	0.1	Sep.-Nov.	1	0.2	0.1	0.1
	7	.3	.1	.1		7	.3	.1	.1
	30	.5	.2	.1		30	.8	.2	.2
	90	1.0	.3	.2		90	2.6	.6	.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	0.1	0.2	0.3	0.4	0.5
May-Nov.	.1	.2	.2	.3	.4
Dec.-Feb.	.4	.6	.7	.9	1.0
Sep.-Nov.	.1	.1	.2	.3	.4

CUYAHOGA RIVER BASIN

04206220 Yellow Creek at Botzum, Ohio

LOCATION: Lat 41° 09' 47", long 81° 35' 02", Summit County, Hydrologic Unit 04110002, at bridge on Bath Road, 0.5 mi upstream from mouth, 0.7 mi west of Akron Sewage Treatment Plant.

DRAINAGE AREA: 30.7 mi².

TRIBUTARY TO: Cuyahoga River.

STREAMFLOW DATA USED: Continuous streamflow record June 1990 to September 1997.

INDEX STATION: 04207200 Tinkers Creek at Bedford, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 2.4 ft³/s September 1995.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	3.5	1.8	1.5	Dec.-Feb.	1	8.3	4.3	3.4
	7	4.2	2.1	1.7		7	9.6	5.5	4.7
	30	6.6	3.1	2.3		30	18	8.0	6.4
	90	12	4.6	3.2		90	61	30	22
May-Nov.	1	3.5	1.8	1.5	Sep.-Nov.	1	4.0	1.9	1.5
	7	4.2	2.1	1.7		7	5.1	2.3	1.8
	30	6.6	3.0	2.3		30	10	3.7	2.6
	90	12	4.6	3.2		90	27	8.1	5.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	2.2	3.4	4.9	6.1	7.2
May-Nov.	1.9	2.7	3.8	4.7	5.4
Dec.-Feb.	5.3	7.6	9.2	11	12
Sep.-Nov.	1.7	2.3	3.8	4.8	5.7

CUYAHOGA RIVER BASIN

04207200 Tinkers Creek at Bedford, Ohio

LOCATION: Lat 41° 23' 04", long 81° 31' 39", in T. 6 N., R. 11 W., Cuyahoga County, Hydrologic Unit 04110002, on left bank at downstream side of bridge on State Route 14 in Bedford, 5.5 mi upstream from mouth.

DRAINAGE AREA: 83.9 mi².

TRIBUTARY TO: Cuyahoga River.

STREAMFLOW DATA USED: December 1962 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 43.4 ft³/s
 Average streamflow: 134 ft³/s (34 years)
 Minimum daily streamflow: 5.8 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	15	11	8.7	7.2	5.7	Dec.-Feb.	1	32	22	18	15	12
	7	18	12	9.8	8.0	6.2		7	36	27	23	20	17
	30	26	18	14	11	7.8		30	62	39	31	26	21
	90	46	27	19	14	9.7		90	182	127	98	76	55
May-Nov.	1	15	11	8.7	7.2	5.7	Sep.-Nov.	1	17	11	9.1	7.4	5.8
	7	18	12	9.8	8.0	6.2		7	21	14	11	8.4	6.5
	30	26	17	13	11	7.9		30	39	22	16	12	8.2
	90	46	27	19	14	9.8		90	89	47	31	21	13

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	10	15	20	24	28	32	37	48	63	85	117	177	327
May-Nov.	8.9	12	16	20	22	25	27	33	40	52	71	110	207
Dec.-Feb.	22	30	35	41	45	50	56	70	88	113	150	230	423
Sep.-Nov.	8.1	11	16	20	23	26	29	36	44	57	79	122	224

CUYAHOGA RIVER BASIN

04208000 Cuyahoga River at Independence, Ohio

LOCATION: Lat 41° 23' 43", long 81° 37' 48", in T. 6 N., R. 12 W., Cuyahoga County, Hydrologic Unit 04110002, on left bank 240 ft downstream from bridge on Old Rockside Road, 0.8 mi northeast of Independence, and 3.0 mi downstream from Tinkers Creek.

DRAINAGE AREA: 707 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: October 1929 to December 1935, April 1940 to September 1997.

REMARKS: Natural flow of stream affected by diversion, storage reservoirs, and power plants. Some diversion from the Tuscarawas River Basin drain into this basin at Portage Lakes. Water diverted into Ohio Canal at Brecksville, 6 mi upstream from station, bypasses station. These records do not include flow in canal except above about 15,000 ft³/s, when channels merge.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 308 ft³/s
 Average streamflow: 855 ft³/s (63 years)
 Minimum daily streamflow: 21 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	109	66	49	37	27	Dec.-Feb.	1	238	135	99	75	54
	7	131	87	69	57	46		7	279	167	127	101	78
	30	167	107	84	69	54		30	463	262	193	149	111
	90	236	139	105	83	64		90	1070	663	497	382	278
May-Nov.	1	109	66	49	37	26	Sep.-Nov.	1	116	71	54	42	32
	7	130	87	69	57	45		7	138	90	74	64	54
	30	167	106	83	68	54		30	197	117	91	74	60
	90	237	139	105	84	64		90	373	193	135	99	70

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	78	102	130	160	192	228	265	359	486	663	902	1280	2050
May-Nov.	69	88	109	127	145	166	188	240	300	389	515	735	1210
Dec.-Feb.	114	156	211	262	309	363	422	556	711	902	1170	1610	2570
Sep.-Nov.	65	81	99	113	126	141	156	197	251	318	428	614	1040

CUYAHOGA RIVER BASIN

04208502 Big Creek at Cleveland, Ohio

LOCATION: Lat 41° 27' 01", long 81° 43' 18", Cuyahoga County, Hydrologic Unit 04110002, on right bank 8 ft downstream from footbridge in Brookside Park, 0.2 mi upstream from bridge on Fulton Road, and 2.5 mi upstream from mouth.

DRAINAGE AREA: 35.3 mi².

TRIBUTARY TO: Cuyahoga River.

STREAMFLOW DATA USED: October 1972 to September 1986.

REMARKS: Flow slightly regulated by industry upstream from station.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 21.3 ft³/s
 Average streamflow: 54.7 ft³/s (14 years)
 Minimum daily streamflow: 2.3 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	7.1	4.7	3.6	2.9	2.2	Dec.-Feb.	1	13	10	9.5	8.8	8.1
	7	9.1	6.2	5.0	4.1	3.2		7	14	11	10	9.5	8.7
	30	16	12	11	10	8.9		30	23	16	13	12	11
	90	29	23	20	18	16		90	55	42	36	32	28
May-Nov.	1	7.1	4.7	3.6	2.9	2.2	Sep.-Nov.	1	8.7	5.5	4.1	3.0	2.1
	7	9.3	6.3	5.0	4.1	3.2		7	11	7.1	5.5	4.3	3.1
	30	19	14	12	10	8.2		30	20	16	14	13	11
	90	32	26	23	21	19		90	41	33	30	28	27

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	7.4	9.7	12	14	15	16	18	21	25	30	42	65	123
May-Nov.	6.4	8.2	10	12	13	14	16	18	21	26	34	54	103
Dec.-Feb.	11	12	14	15	16	18	19	22	26	30	40	67	122
Sep.-Nov.	5.2	7.6	10	11	13	14	15	17	20	24	32	52	101

CHAGRIN RIVER BASIN

04208815 Chagrin River at Chagrin Falls, Ohio

LOCATION: Lat 41° 25' 33", long 81° 23' 52", Geauga County, Hydrologic Unit 04110003, at bridge on Miles Road, at west city limits of Chagrin Falls.

DRAINAGE AREA: 57.3 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: Low-flow measurements, 1981, 1982, and 1995-99 water years.

INDEX STATION: 04209000 Chagrin River at Willoughby, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 7.0 ft³/s June 1999.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	6.0	2.0	1.3	Dec.-Feb.	1	25	12	9.3
	7	6.6	2.6	2.0		7	30	13	10
	30	10	4.3	3.3		30	66	25	19
	90	18	6.4	4.9		90	207	105	85
May-Nov.	1	6.0	2.0	1.3	Sep.-Nov.	1	6.4	2.8	2.2
	7	6.6	2.6	2.0		7	7.9	3.4	2.8
	30	10	4.2	3.3		30	16	5.0	3.8
	90	18	6.3	4.8		90	53	14	9.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	4.4	6.2	8.6	12	15
May-Nov.	3.7	5.0	6.6	8.0	9.8
Dec.-Feb.	12	18	27	32	38
Sep.-Nov.	3.7	4.9	6.3	7.5	8.8

CHAGRIN RIVER BASIN

04208900 Aurora Branch near Chagrin Falls, Ohio

LOCATION: Lat 41° 24' 40", long 81° 24' 44", Cuyahoga County, Hydrologic Unit 04110003, at Solon Road bridge, 1.6 mi southwest of Chagrin Falls, and 1.1 mi upstream from mouth.

DRAINAGE AREA: 57.4 mi².

TRIBUTARY TO: Chagrin River.

STREAMFLOW DATA USED: Low-flow measurements, 1954 and 1972-77 water years.

INDEX STATION: 03093000 Eagle Creek at Phalanx Station, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 7.7 ft³/s November 1953.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	8.5	3.9	3.0	Dec.-Feb.	1	22	11	8.4
	7	9.9	6.7	6.0		7	24	13	11
	30	12	8.1	7.4		30	36	18	15
	90	16	10	9.1		90	86	44	34
May-Nov.	1	8.5	3.9	3.0	Sep.-Nov.	1	9.0	4.8	3.9
	7	9.9	6.9	6.2		7	10	7.1	6.6
	30	12	8.1	7.4		30	14	8.6	7.9
	90	16	10	9.1		90	29	13	11

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	7.8	9.9	12	14	16
May-Nov.	7.1	8.6	10	12	13
Dec.-Feb.	13	16	19	22	25
Sep.-Nov.	6.7	8.0	9.6	11	12

CHAGRIN RIVER BASIN

04209000 Chagrin River at Willoughby, Ohio

LOCATION: Lat 41° 37' 51", long 81° 24' 13", in T. 9 N., R. 10 W., Lake County, Hydrologic Unit 04110003, on left bank 150 ft downstream from city waterworks dam, 800 ft downstream from East Branch, 1.0 mi southeast of Willoughby, and 5.0 mi upstream from mouth.

DRAINAGE AREA: 246 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: August 1925 to November 1935, October 1939 to October 1984, March 1988 to September 1994, and October 1995 to September 1997.

REMARKS: Water diverted 200 ft upstream from station for municipal supply of city of Willoughby.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 89.2 ft³/s
 Average streamflow: 340 ft³/s (63 years)
 Minimum daily streamflow: 3.0 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	27	16	11	8.2	5.5	Dec.-Feb.	1	85	58	46	38	31
	7	29	18	14	11	8.7		7	98	65	51	42	33
	30	42	26	21	17	14		30	183	111	86	69	54
	90	64	37	29	23	18		90	455	322	265	224	184
May-Nov.	1	27	16	11	8.2	5.5	Sep.-Nov.	1	29	18	15	12	9.7
	7	29	18	14	11	8.7		7	34	21	17	15	12
	30	42	26	21	17	14		30	59	32	24	19	15
	90	64	37	28	23	18		90	154	77	53	39	27

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	21	28	36	46	58	69	83	114	152	204	287	431	782
May-Nov.	18	24	29	34	40	46	54	69	89	114	152	224	408
Dec.-Feb.	49	66	89	103	118	134	148	183	223	288	389	580	1100
Sep.-Nov.	18	23	28	32	37	42	48	63	84	110	148	217	410

GRAND RIVER BASIN

04209500 Grand River near North Bristol, Ohio

LOCATION: Lat 41° 24' 45", long 80° 54' 45", Trumbull County, Hydrologic Unit 04110004, in T. 6 N., R. 5 W., at highway bridge, 0.1 mi downstream from Center Creek, and 2.5 mi west of North Bristol.

DRAINAGE AREA: 89.7 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: Continuous streamflow record, April 1941 to September 1947.

INDEX STATION: 04212100 Grand River near Madison, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.4 ft³/s September 1946.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	1.4	0.3	0.1	Dec.-Feb.	1	11	5.2	4.0
	7	1.7	.5	.3		7	14	6.3	4.9
	30	2.5	1.1	.9		30	29	13	10
	90	4.5	2.0	1.7		90	61	38	33
May-Nov.	1	1.4	0.3	0.1	Sep.-Nov.	1	1.7	0.4	0.2
	7	1.7	.5	.3		7	1.9	.8	.6
	30	2.5	1.1	.9		30	3.2	1.3	1.1
	90	4.5	2.0	1.7		90	15	4.3	3.0

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	1.3	2.0	2.8	3.5	4.4
May-Nov.	.9	1.5	2.1	2.6	3.0
Dec.-Feb.	6.0	8.0	12	15	17
Sep.-Nov.	.8	1.3	1.8	2.2	2.5

GRAND RIVER BASIN

04210000 Phelps Creek near Windsor, Ohio

LOCATION: Lat 41° 30' 55", long 80° 56' 05", in T. 8 N., R. 5 W., Ashtabula County, Hydrologic Unit 04110004, on left bank at upstream side of bridge on State Route 534, 1.4 mi south of Windsor, and 1.5 mi upstream from mouth.

DRAINAGE AREA: 25.6 mi².

TRIBUTARY TO: Grand River.

STREAMFLOW DATA USED: May 1942 to June 1959.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 2.10 ft³/s
 Average streamflow: 36.1 ft³/s (16 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 1 year)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0.4	0.2	0.1	0	0	Dec.-Feb.	1	3.2	1.8	1.3	1.0	0.7
	7	.5	.3	.2	.2	.1		7	4.2	2.2	1.6	1.2	.9
	30	.7	.4	.4	.3	.3		30	13	5.7	3.6	2.4	1.5
	90	1.2	.6	.5	.4	.4		90	57	40	33	28	24
May-Nov.	1	0.4	0.2	0.1	0	0	Sep.-Nov.	1	0.5	0.3	0.2	0.2	0.1
	7	.5	.3	.2	.2	.1		7	.5	.3	.3	.2	.2
	30	.7	.5	.4	.3	.3		30	.8	.5	.4	.4	.3
	90	1.4	.6	.5	.4	.3		90	6.1	2.1	1.2	.7	.4

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0.3	0.5	0.7	0.9	1.2	1.6	2.1	3.5	6.0	11	19	35	85
May-Nov.	.4	.4	.5	.6	.8	.9	1.1	1.6	2.3	3.4	5.4	11	28
Dec.-Feb.	1.9	2.5	3.3	4.2	5.4	6.6	8.1	12	16	24	36	64	152
Sep.-Nov.	.3	.4	.5	.5	.6	.7	.9	1.3	1.8	2.9	5.0	8.6	22

GRAND RIVER BASIN

04210500 Grand River near Rome, Ohio

LOCATION: Lat 41° 36' 20", long 80° 53' 40", Ashtabula County, Hydrologic Unit 04110004, in T. 9 N., R. 4 W., at bridge on U.S. Highway 6, 2.2 mi upstream from Mud Creek, and 2.5 mi west of Rome.

DRAINAGE AREA: 276 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: Continuous streamflow record, April 1942 to September 1947.

INDEX STATION: 04212100 Grand River near Madison, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 4.0 ft³/s September 1946.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	4.3	1.0	0.4	Dec.-Feb.	1	36	16	13
	7	5.4	1.6	1.0		7	43	20	16
	30	8.0	3.6	2.8		30	91	41	32
	90	14	6.4	5.4		90	193	122	105
May-Nov.	1	4.3	1.0	0.4	Sep.-Nov.	1	5.3	1.4	0.8
	7	5.4	1.6	1.0		7	6.0	2.4	1.8
	30	8.0	3.6	2.8		30	10	4.0	3.4
	90	14	6.4	5.4		90	48	14	9.6

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	4.1	6.2	8.9	11	14
May-Nov.	3.0	4.9	6.7	8.2	9.6
Dec.-Feb.	19	25	36	46	55
Sep.-Nov.	2.7	4.2	5.7	6.9	8.0

GRAND RIVER BASIN

04211500 Mill Creek near Jefferson, Ohio

LOCATION: Lat 41° 45' 10", long 80° 48' 00", in T. 11 N., R. 3 W., Ashtabula County, Hydrologic Unit 04110004, on right bank at downstream side of bridge of State Route 307, 1.8 mi northwest of Jefferson, and 3.2 mi downstream from Griggs Creek.

DRAINAGE AREA: 78.3 mi².

TRIBUTARY TO: Grand River.

STREAMFLOW DATA USED: April 1942 to November 1974

REMARKS: Water diverted above station for municipal supply for city of Jefferson. Records adjusted for diversion beginning October 1955; prior to that date only fragmentary record of diversion available.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 0.60 ft³/s
 Average streamflow: 108 ft³/s (32 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 17 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0	0	0	0	0	Dec.-Feb.	1	8.0	3.1	1.5	0.6	0
	7	0	0	0	0	0		7	12	3.8	1.6	.7	.2
	30	.1	0	0	0	0		30	55	24	14	8.5	4.7
	90	.7	0	0	0	0		90	172	115	89	70	52
May-Nov.	1	0	0	0	0	0	Sep.-Nov.	1	0	0	0	0	0
	7	0	0	0	0	0		7	0	0	0	0	0
	30	.1	0	0	0	0		30	.2	0	0	0	0
	90	.7	0	0	0	0		90	21	2.9	.8	.3	.1

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0	0	0.1	0.1	0.2	0.7	2.1	7.6	20	37	69	129	285
May-Nov.	0	0	0	0	.1	.1	.1	.5	2.0	5.1	16	40	119
Dec.-Feb.	2.4	4.8	9.6	14	18	23	28	40	58	86	127	220	439
Sep.-Nov.	0	0	0	0	0	0	.1	.1	.4	2.6	15	46	139

GRAND RIVER BASIN

04212000 Grand River near Madison

LOCATION: Lat 41° 44' 26", long 81° 02' 48", Lake County, Hydrologic Unit 04110004, on downstream end of center pier of abandoned highway bridge, 800 ft upstream from State Route 528, 0.8 mi upstream from Griswold Creek, and 2.1 mi south of Madison.

DRAINAGE AREA: 581 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: October 1922 to September 1935, April 1938 to September 1974.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 24.2 ft³/s
 Average streamflow: 660 ft³/s (49 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 2 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	3.8	1.1	0.4	0.1	0	Dec.-Feb.	1	86	41	27	19	12
	7	5.4	1.8	.9	.4	0		7	111	55	36	25	16
	30	9.5	4.4	2.9	2.0	1.3		30	332	157	103	71	46
	90	22	9.8	6.9	5.3	4.1		90	989	646	504	405	312
May-Nov.	1	3.8	1.1	0.4	0.1	0	Sep.-Nov.	1	5.2	1.7	0.7	0.3	0
	7	5.4	1.8	.9	.4	0		7	6.2	2.7	1.7	1.1	0
	30	9.5	4.4	2.9	2.0	1.3		30	13	5.0	3.5	2.7	2.1
	90	22	9.9	6.9	5.2	4.0		90	128	39	21	12	6.7

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	3.6	6.5	11	15	21	29	41	87	170	297	522	1010	2020
May-Nov.	2.2	4.6	7.3	9.8	12	15	18	27	42	71	132	274	814
Dec.-Feb.	34	51	87	123	158	188	229	320	453	664	1020	1600	2780
Sep.-Nov.	1.9	3.7	5.8	7.6	9.4	11	13	19	29	47	100	257	846

GRAND RIVER BASIN

04212085 Big Creek at Painesville, Ohio

LOCATION: Lat 41° 41' 50", long 81° 13' 47", Lake County, Hydrologic Unit 04110004, at bridge on Fry Road, 1.1 mi upstream from mouth, 0.5 mi south of city limits of Painesville.

DRAINAGE AREA: 36.4 mi².

TRIBUTARY TO: Grand River.

STREAMFLOW DATA USED: Low-flow measurements, 1981, 1982, and 1995-99 water years.

INDEX STATION: 04212100 Grand River near Painesville, Ohio.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Minimum observed streamflow: 1.9 ft³/s September 1995.

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)			Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)		
		2	10	20			2	10	20
Apr.-Mar.	1	3.6	2.1	1.7	Dec.-Feb.	1	16	11	9.7
	7	4.1	2.2	1.8		7	18	12	10
	30	6.3	3.1	2.4		30	30	16	13
	90	13	5.3	4.1		90	60	44	39
May-Nov.	1	3.6	2.1	1.7	Sep.-Nov.	1	4.3	2.4	2.0
	7	4.1	2.2	1.8		7	5.2	2.5	2.1
	30	6.3	3.1	2.4		30	14	4.1	2.8
	90	13	5.3	4.1		90	37	14	9.8

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time				
	98	95	90	85	80
Apr.-Mar.	3.1	4.3	5.9	7.5	9.5
May-Nov.	2.6	3.5	4.6	5.6	6.4
Dec.-Feb.	11	15	18	20	22
Sep.-Nov.	2.7	3.4	4.4	5.6	6.8

GRAND RIVER BASIN

04212100 Grand River near Painesville, Ohio

LOCATION: Lat 41° 43' 08", long 81° 13' 41", Lake County, Hydrologic Unit 04110004, on downstream left abutment of bridge on State Route 84 (Walnut Avenue), 0.9 mi downstream from Big Creek in Painesville.

DRAINAGE AREA: 685 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: October 1974 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 111 ft³/s
 Average streamflow: 1,060 ft³/s (21 years)
 Minimum daily streamflow: 5.1 ft³/s

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	20	12	8.3	6.1	4.3	Dec.-Feb.	1	209	139	112	93	75
	7	24	13	9.0	6.5	4.4		7	248	163	129	105	83
	30	47	23	15	10	6.6		30	553	292	204	150	105
	90	141	59	36	24	14		90	1630	1200	998	843	685
May-Nov.	1	20	12	8.3	6.1	4.3	Sep.-Nov.	1	26	14	10	7.9	5.9
	7	24	13	9.0	6.5	4.4		7	35	16	11	8.3	6.1
	30	47	23	15	10	6.6		30	158	48	24	13	6.6
	90	141	59	36	24	14		90	756	320	173	94	43

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	15	26	42	62	90	125	171	288	445	658	994	1620	2920
May-Nov.	11	19	29	38	48	61	76	117	183	291	490	872	1780
Dec.-Feb.	120	176	237	287	341	398	458	617	828	1170	1670	2490	4050
Sept.-Nov.	12	18	26	40	53	73	97	159	266	445	743	1230	2190

ASHTABULA RIVER BASIN

04212500 Ashtabula River near Ashtabula, Ohio

LOCATION: Lat 41° 51' 20", long 80° 45' 44", Ashtabula County, Hydrologic Unit 04110003, on left bank at downstream side of State Road bridge, 1.1 mi upstream from Hubbard Run, 1.3 mi southeast of Ashtabula, and 5.5 mi upstream from mouth.

DRAINAGE AREA: 121 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: August 1924 to December 1935, March 1939 to October 1947, April 1950 to August 1980.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 1.97 ft³/s
 Average streamflow: 154 ft³/s (48 years)
 Minimum daily streamflow: 0 ft³/s (occurred in 31 years)

Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	0	0	0	0	0	Dec.-Feb.	1	24	12	8.3	5.7	3.7
	7	0	0	0	0	0		7	31	18	13	9.3	6.5
	30	.4	0	0	0	0		30	90	49	35	26	18
	90	3.0	.6	.2	.1	0		90	238	173	145	124	103
May-Nov.	1	0	0	0	0	0	Sep.-Nov.	1	0.2	0	0	0	0
	7	0	0	0	0	0		7	.3	0	0	0	0
	30	.4	0	0	0	0		30	1.6	.2	0	0	0
	90	3.2	.6	.3	.1	0		90	45	12	5.6	2.9	1.3

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	0	0.1	0.4	1.2	2.6	4.7	8.2	21	40	66	109	191	409
May-Nov.	0	0	.1	.3	.7	1.3	2.0	4.0	7.8	16	31	65	170
Dec.-Feb.	13	21	30	37	42	47	56	74	97	131	194	316	616
Sep.-Nov.	0	0	.1	.3	.6	1.1	1.8	3.8	7.9	18	41	91	239

CONNEAUT CREEK BASIN

04213000 Conneaut Creek at Conneaut, Ohio

LOCATION: Lat 41° 55' 37", long 80° 36' 15", Ashtabula County, Hydrologic Unit 04120101, on right bank at downstream side of Keefus Road bridge at Conneaut, and 6.4 mi upstream from mouth.

DRAINAGE AREA: 175 mi².

TRIBUTARY TO: Lake Erie.

STREAMFLOW DATA USED: July 1922 to December 1935, April 1950 to September 1997.

REMARKS: None.

SELECTED STREAMFLOW CHARACTERISTICS: Harmonic mean flow: 27.1 ft³/s
 Average streamflow: 274 ft³/s (60 years)
 Minimum daily streamflow: 0.3 ft³/s

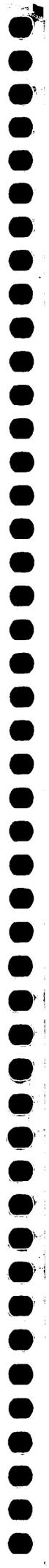
Magnitude and frequency of low flow for indicated periods

Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)					Period	Number of consecutive days	Streamflow (ft ³ /s) for indicated recurrence interval (years)				
		2	5	10	20	50			2	5	10	20	50
Apr.-Mar.	1	6.1	2.6	1.5	1.0	0.5	Dec.-Feb.	1	56	36	28	22	17
	7	7.1	3.4	2.2	1.5	1.0		7	70	45	35	28	21
	30	12	6.0	4.1	3.0	2.1		30	158	92	69	54	40
	90	25	11	7.0	5.0	3.4		90	430	319	267	227	188
May-Nov.	1	6.0	2.6	1.5	1.0	0.5	Sep.-Nov.	1	7.3	3.1	2.0	1.4	0.9
	7	7.1	3.4	2.2	1.6	1.0		7	8.7	4.1	2.9	2.2	1.7
	30	12	6.0	4.2	3.1	2.1		30	21	7.7	4.9	3.5	2.5
	90	25	11	7.0	5.0	3.4		90	129	47	26	15	8.2

Duration of daily flow for indicated periods

Period	Streamflow (ft ³ /s) that was equaled or exceeded for the indicated percentage of time												
	98	95	90	85	80	75	70	60	50	40	30	20	10
Apr.-Mar.	4.1	6.6	11	16	22	30	40	67	102	149	221	360	713
May-Nov.	3.2	5.0	7.3	9.7	13	15	18	26	38	57	92	159	364
Dec.-Feb.	40	52	67	80	93	105	121	153	191	257	364	560	1050
Sep.-Nov.	3.2	4.8	6.6	8.7	11	14	17	25	40	70	125	235	506

Notes:



Low-Flow Characteristics of Streams in Ohio through Water Year 1997 Water-Resources Investigations Report 01-4140