WATER-QUALITY DATA FOR THE OHIO RIVER FROM NEW CUMBERLAND DAM TO PIKE ISLAND DAM, WEST VIRGINIA AND OHIO, JUNE-OCTOBER 1995

By Kimberly F. Miller and John T. Atkins

U.S. GEOLOGICAL SURVEY

Open-File Report 97-559

Prepared in cooperation with the

CITY OF NEW MARTINSVILLE, WEST VIRGINIA

Charleston, West Virginia

1997

U.S. DEPARTMENT OF THE INTERIOR

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ABSTRACT

This report contains water-quality data for the Ohio River from river mile 51.1 (3.3 miles upstream from New Cumberland Dam) to river mile 84.0 (0.2 mile upstream from Pike Island Dam) that were collected during the summer and fall of 1995. The data were collected to define the water quality of the Ohio River and to use in assessing the proposed effects of hydropower development on the water quality of the Ohio River. Water quality was determined by a combination of synoptic field measurements and continuous-record monitoring. Water-quality characteristics were measured in the field along a longitudinal transect with 20 mid-channel sampling sites; cross-sectional transects of water-quality measurements were made at 5 of these sites. Water-quality measurements were also made at two sites located on the back-channel (Ohio) side of Browns Island and at one site near the middle of the wingwall of New Cumberland Dam. At each longitudinal-transect and back-channel sampling site, measurements of specific conductance, pH, water temperature, and dissolved oxygen concentration were made at four depths (at the surface, about 3.0 feet below the surface, middle of the water column, and near the bottom of the river). Cross-sectional transects and the site near the middle of the wingwall of New Cumberland Dam consisted of three to four detailed vertical profiles of the same characteristics. Estimates of the depth of light penetration (Secchi disk transparency) were made at all cross-sectional sampling locations whenever light and river-surface conditions were appropriate. Synoptic sampling usually was completed in 14 hours or less and was repeated eight times between July 11 and October 17, 1995. On June 27, synoptic sampling was also done at river miles 51.1, 54.0, and 54.4; but due to equipment failure, no other samples were taken on that trip.

Continuous-record monitoring of water quality consisted of hourly measurements of specific conductance, pH, water temperature, and dissolved oxygen concentration that were recorded at a depth of 6.6 feet at sites upstream and downstream of New Cumberland Dam. The upstream monitor was suspended from a Coast Guard buoy located approximately in the middle of the navigation channel 0.2 mile upstream from the dam. The downstream monitor was located at the end of the downstream wingwall on the riverside, about 1,200 feet from the dam. Continuous-recording monitors were operated from June through October 1995.

INTRODUCTION

The U.S. Army Corps of Engineers has constructed and operates more than 60 lock-and-dam facilities in the Ohio River Basin, with 20 facilities on the Ohio River mainstem and the rest on major tributaries in the basin (U.S. Army Corps of Engineers, 1990). The lock-and-dam structures form a system of contiguous navigation pools that ensure year-round navigation on the river. Many dams also contain hydroelectric generators that were installed after construction of the navigation structures. In 1989, the Federal Energy Regulatory Commission (FERC) issued licenses for retro-fitting of hydropower at 20 dams in the upper Ohio River Basin, which includes the Allegheny and Monongahela Rivers, and the Ohio River mainstem from Pittsburgh, Pa., to Huntington, W. Va. (fig. 1). However, many of these licenses have since been surrendered.

Some dams scheduled for hydropower development currently are thought to improve the water quality of the river by increasing the rate of gas transfer from the atmosphere to the water (Federal Energy Regulatory Commission, 1988). Water from deep, slow-moving upstream pools is mixed as it passes over or through navigation structures, thereby increasing the amount of surface area in contact with the atmosphere. If the dissolved oxygen (DO) concentration is less than the saturation concentration, the potential exists for absorption of oxygen into the water, a process known as reaeration.

The amount of oxygen added to the water by reaeration at a dam depends, in part, on flow conditions of the river and design characteristics of the structure (Avery and Novak, 1978). Dams on the upper Ohio River downstream from Wheeling, W. Va., are gated structures that discharge several feet below the surface of the downstream pool and provide little reaeration (Federal Energy Regulatory Commission, 1988). Other dams, including overflow dams and gated dams with discharge above the downstream pool level, are more efficient aerators and can be important sources of DO during low-flow conditions of summer and early fall. Dams upstream from Wheeling are of the latter type. Hydropower operation at these surface-discharging structures will divert riverflow through underwater intakes where the opportunity for atmospheric gas exchange is smaller. For dams upstream from Wheeling, the loss of reaeration at low flows, combined with the oxygen consumption associated with waste assimilation and the failure of other oxygen-generating processes such as algal photosynthesis, could reduce DO concentrations below acceptable levels and diminish the waste-assimilation capacity of the river (West Virginia Department of Natural Resources, 1989).

A water-quality monitoring program was begun in 1992 in cooperation with the city of New Martinsville, W. Va., and was designed, in part, to address license requirements for development of hydropower at New Cumberland Dam (FERC Project No. 6901). This dam is located upstream from Wheeling, W. Va., and is the surface-discharge type dam. The program uses continuous-record monitoring and synoptic sampling of water-quality characteristics near the dam and throughout the downstream navigation pool during the summer and fall to provide basic hydrologic and ecologic data on the possible environmental effects of hydropower operation. Synoptic surveys, where water-quality characteristics are analyzed quickly at many locations and depths, have been recommended for incorporation into water-quality impact assessments of proposed hydropower projects at dams and other control structures (Gulliver and others, 1990; Daniil and others, 1991). The study described in this report was conducted in the Pike Island navigation pool, a 33-mi section of the Ohio River that begins at river mile 51.1 (3.3 mi upstream from New Cumberland Dam) and extends downstream to river mile 84.0 (0.2 mi upstream from Pike Island Dam) (fig. 2).

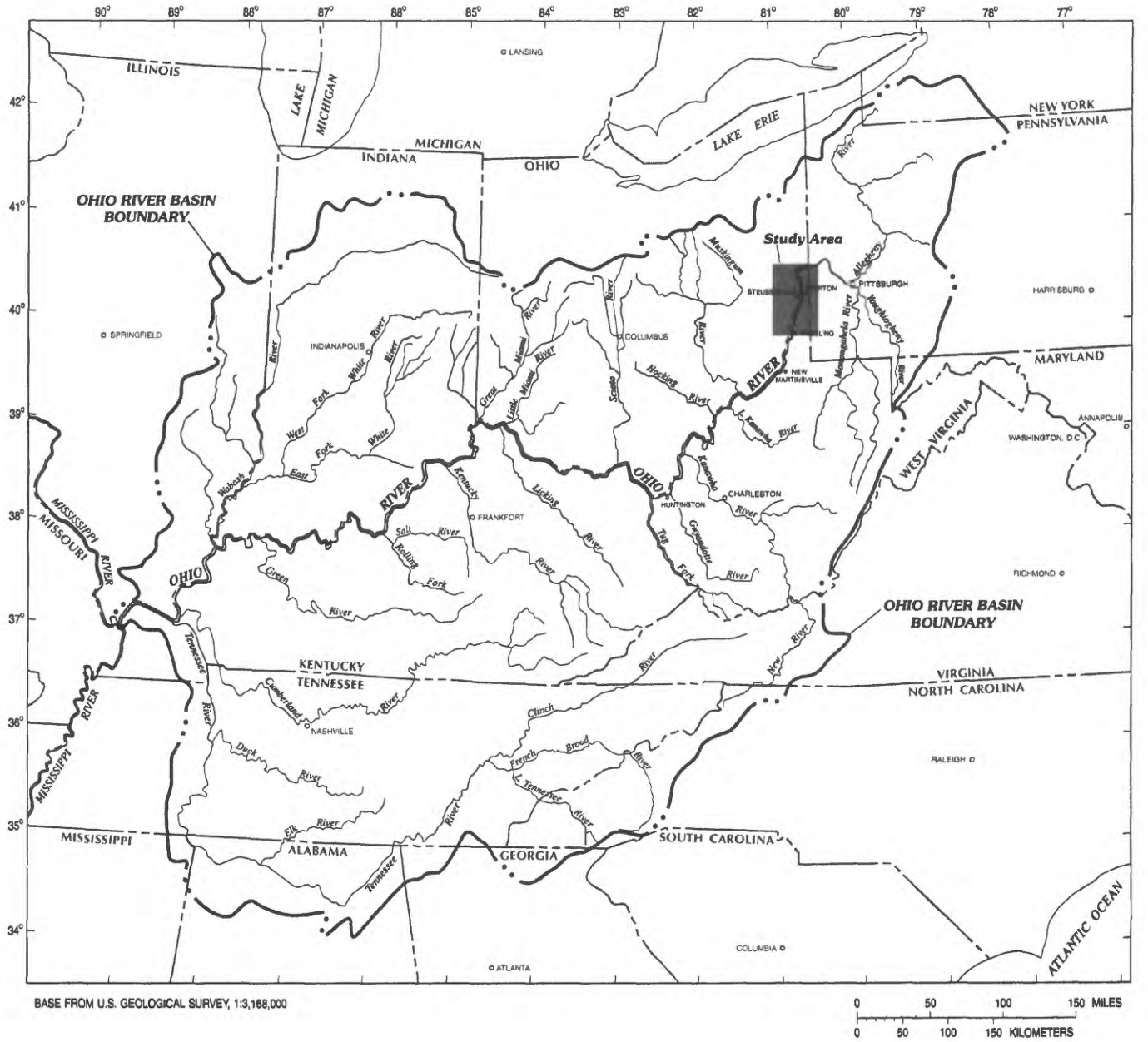

Figure 1. Ohio River drainage basin.

Purpose and Scope

This report presents data collected in 1995 on the spatial and temporal distribution of selected water-quality characteristics in the Pike Island Pool of the Ohio River (the reach of river from New Cumberland Dam at the upstream end to Pike Island Dam at the downstream end). This report contains water-quality data of the Pike Island Pool determined by continuous-record monitoring of conditions near New Cumberland Dam and by repeated synoptic sampling of the entire 33-mi pool. Measurements of specific conductance, pH, water temperature, and DO concentration were recorded by the continuous-recording monitors and were made at each sampling site in the network during synoptic-sampling periods. Water samples also were collected from four depths at various sampling sites. In addition to these measurements,

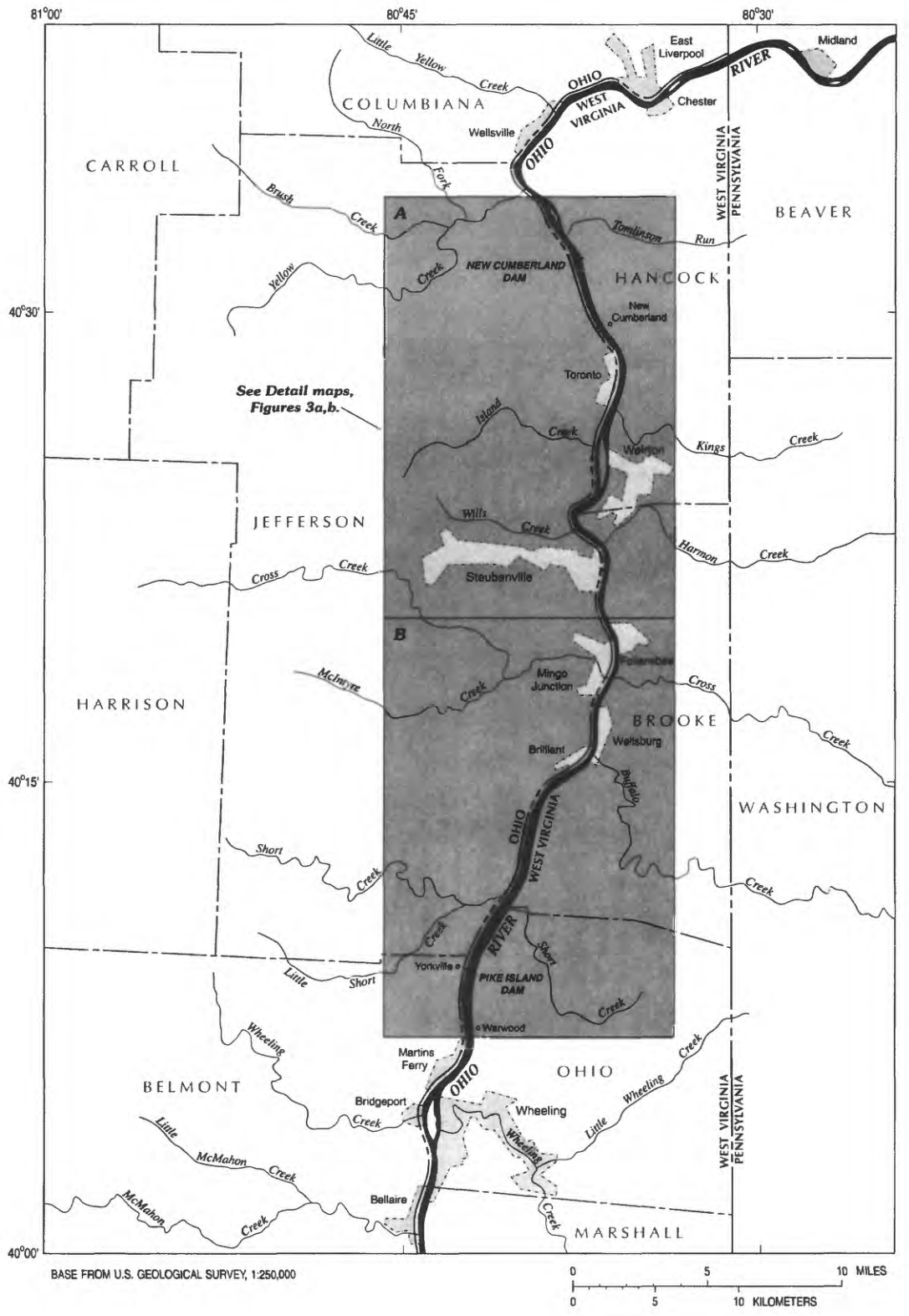

Figure 2. Ohio River study reach.

estimates of the depth of light penetration (Secchi disk transparency) were made at cross-sectional sampling locations whenever light and river-surface conditions were appropriate. Synoptic water-quality measurements were made twice in July, August, September, and October 1995. A partial data set was collected on June 27, consisting of river miles 51.1,54.0, and 54.4.

Description of Study Area

Drainage area for the Ohio River at Pike Island Dam is 24,700 mi^2. Most of the drainage basin up to the dam consists of narrow flood plains and deeply incised tributary valleys. The basin is underlain by bedrock that consists of shale, sandstone, siltstone, limestone, and coal (West Virginia Department of Natural Resources, 1988). The average width of the Pike Island pool is 1,338 ft. The average bottom slope is 0.4 ft/mi; the average depth of the pool is 19 ft (Ohio River Valley Water Sanitation Commission, 1988).

Streamflow in the upper Ohio River Basin is related to precipitation and to the balance of precipitation and evapotranspiration. The climate of the region is temperate with distinct seasonal changes. Mean minimum air temperatures (-7.3°C) are generally during January; mean maximum air temperatures (28°C) are generally during July. Average annual air temperature is about 12°C. Annual precipitation in the basin ranges from 20 to 72 in., with heaviest amounts occurring in June or July and minimum amounts occurring in October (West Virginia Department of Natural Resources, 1988). The U.S. Army Corps of Engineers has constructed a system of multi-purpose reservoirs on four main tributaries for flood control. These reservoirs also are used to augment flow and maintain navigation during critical periods.

Land use in the study area is about 15 percent cropland, 9 percent pasture, 46 percent forest, 6 percent urban, and 24 percent other uses (Ohio River Valley Water Sanitation Commission, 1988). Major urban and industrial centers in the reach include Toronto, Ohio, Wierton, W. Va., Steubenville, Ohio, Follansbee, W. Va., Mingo Junction, Ohio, and Wellsburg, W. Va. (fig. 2). The reach includes three municipal drinking-water intakes (Toronto, river mile 59.1; Weirton, river mile 65.1; and Steubenville, river mile 65.2) and 23 industrial intakes. The States of West Virginia and Ohio have issued permits for 13 municipal and 34 industrial effluent discharges in the study reach. Industrial activity along the reach is associated mainly with steel manufacturing, coal preparation, and coal-fired electric-power generation. This section of the river is also used to transport coal, petroleum products, chemicals, and other materials. Seven river terminals handling petroleum products and hazardous chemicals are located in the study reach (Ohio River Valley Water Sanitation Commission, 1988).

DATA-COLLECTION METHODS

Water quality of the Pike Island pool was determined by a combination of synoptic field measurements and continuous-record monitoring. A partial data set of synoptic field measurements for river miles 51.1, 54.0, and 54.4 were collected on June 27. Complete datasets of synoptic field measurements were made on July 11, July 25, August 8, August 22, September 7-8, September 22, October 3, and October 17, 1995. Two continuous-recording monitors were in operation at New Cumberland Dam from June 1 through October 30, 1995.

The field-data-collection network used for synoptic sampling consisted of a longitudinal transect with 20 mid-channel sampling sites; cross-sectional transects of water-quality characteristics were made at 5 of these sites. Water quality also was measured at two sites located on the back-channel (Ohio) side of Browns Island and at one site near the middle of the wingwall of New Cumberland Dam. At each longitudinal-transect and back-channel sampling site, measurements of specific conductance, pH, water temperature, and dissolved oxygen concentration were made at four depths (at the surface, about 3.0 ft below the surface, middle of the water column, and near the bottom of the river). Cross-sectional transects consisted of three to four detailed vertical profiles of the same characteristics. Also, a detailed vertical profile of the above parameters was obtained at the sampling site near the middle of the wingwall. Estimates of the depth of light

penetration (Secchi disk transparency) were made at cross-sectional sampling locations whenever light and river-surface conditions were appropriate. Synoptic sampling of the entire network usually was completed in 14 hours or less.

Sampling Cross-Sectional Transects

During each sampling period, water quality was measured in cross-sectional transects at five locations shown in figures 3a and 3b. Two cross sections were located near New Cumberland Dam, at the ends of the upstream and downstream wingwalls (river miles 54.0 and 54.8, respectively) (fig. 3a). Additional cross-sections were located 4.9 mi upstream from the industrial complex at Steubenville, Ohio, (river mile 60.3) (fig. 3a) and 6.2 mi downstream from Steubenville (river mile 71.4) (fig. 3b). One cross-sectional transect was located at Pike Island Dam at the end of the upstream wingwall (river mile 84.0) (fig. 3b). As weather permitted, the cross sections at river miles 60.3, 71.4, and 84.0 consisted of near-sunrise cross-sectional transect measurements of water quality. These same sampling sites were also measured during the afternoon of the same day of the near-sunrise measurements.

The downstream cross-sectional transect at New Cumberland Dam and the single cross-sectional transect at Pike Island Dam consisted of four vertical profiles of specific conductance, pH, water temperature, and DO concentration measurements. Positions for the vertical profiles at the downstream cross-sectional transect at New Cumberland Dam were located by estimating 25, 50, 75, and 100 percent of the distance from the left bank to edge of the wingwall. Positions for the vertical profiles at the single cross-sectional transect at Pike Island Dam were located at approximately 1 ft from the edge of the wingwall and by estimating 25, 50, and 75 percent of the distance from the edge of the wingwall to the right bank. Both were sampled in random order to minimize effects of diel changes (changes associated with a 24-hour period which includes both day and night). Cross-sectional transects at other locations consisted of three vertical profiles, with positions determined by estimating 25, 50, and 75 percent of the total width of the river. Weather and river-surface conditions occasionally prevented completion of all vertical profiles in a transect. Vertical-profile measurements were made at the surface, at 3.0 ft, and 5.0 ft, and then at depth intervals of 5.0 ft, using a portable, multiparameter water-quality monitoring system (Hydrolab[1] Surveyor 3). Measuring was begun either at the bottom of the river or at the surface. Barometric pressure was recorded before making each set of field-data measurements by use of a Thommen TX altimeter-barometer.

Sampling Longitudinal Transects

Longitudinal transects consisted of making measurements of specific conductance, pH, water temperature, and DO concentration at four depths (at the surface, about 3.0 ft below the surface, middle of the water column, and near the bottom of the river) at 20 mid-channel sampling sites distributed throughout the Pike Island pool. Two additional sampling sites were located on the back-channel (Ohio) side of Browns Island. A sampling site also was near the middle of the wingwall of New Cumberland Dam where measurements were made at the surface, at 3.0 ft and 5.0 ft, and then in 5.0-ft intervals until near the bottom of the river. The locations of the sampling sites are shown in figures 3a and 3b. Each location corresponds to the position of a U.S. Coast Guard navigation light or daymark. Sampling methods and instruments were the same as for the cross-sectional transects.

Light-Penetration Measurements

At each cross-sectional sampling site, an estimate of the depth of light penetration was made lowering a 9-in.-diameter Secchi disk into the

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[1] The use of brand, firm, or trade names in this report is for identification purposes and does not constitute endorsement by the U. S. Geological Survey.

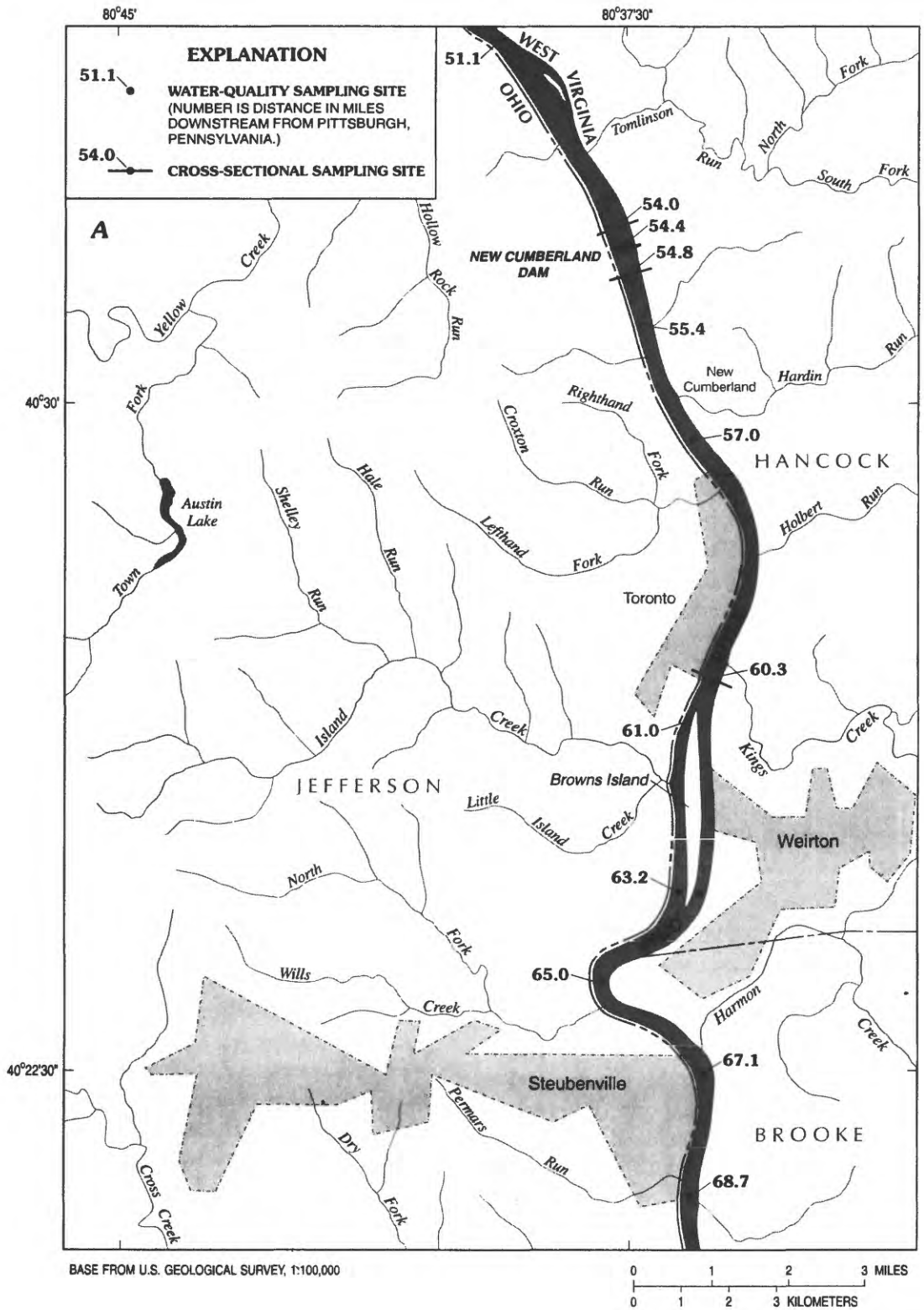

Figure 3a. Water-quality and cross-sectional sampling sites in the upstream section of the study reach.

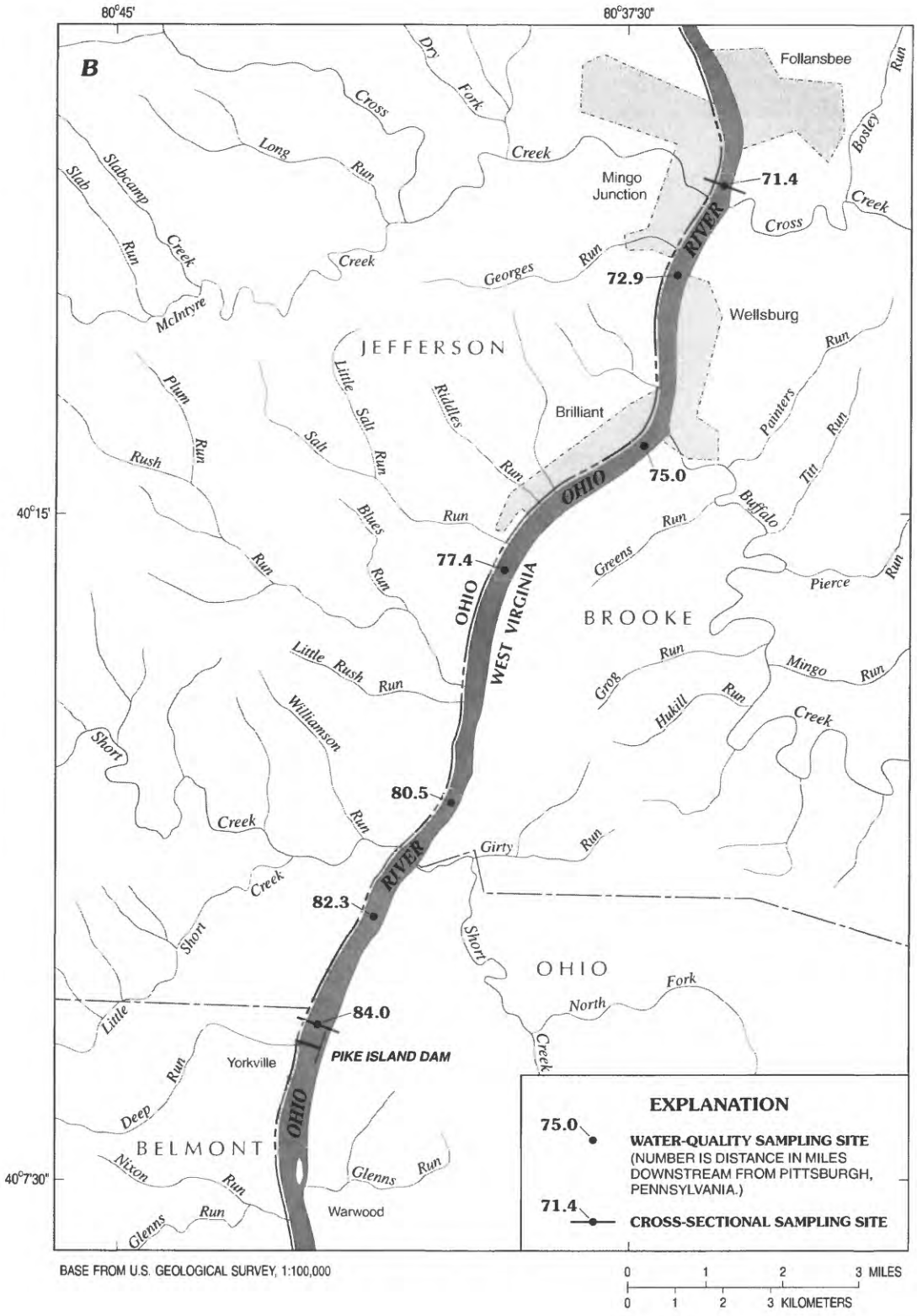

Figure 3b. Water-quality and cross-sectional sampling sites in the downstream section of the study reach.

water until the disk was no longer visible from the surface, and recording the depth. All Secchi disk measurements were made between the hours of 1000 and 1600 Eastern Daylight Savings Time (EDT). Secchi-disk depths were not recorded if the sampling time was outside this time window or if high surface waves made accurate measurement impossible.

Continuous-Record Water-Quality Monitoring

Continuous-recording water-quality monitors were installed in June 1995 at sites upstream and downstream from New Cumberland Dam (fig. 4). Upstream, a Hydrolab Datasonde 3 multiparameter data transmitter recorded hourly measurements of specific conductance, pH, water temperature, and DO concentration. The upstream monitor was housed in a section of 6-in. polyvinyl chloride (PVC) pipe at a fixed depth of 6.6 ft and suspended from a United States Coast Guard buoy located approximately in the middle of the navigation channel (latitude 40°31'55"N., longitude 80°37'35"W.,). Downstream, a Hydro-lab H^20 multiparameter data transmitter connected to a Handar 570A data-collection platform recorded hourly values of specific conductance, pH, water temperature, and DO concentration, and transmitted data at 4-hour intervals by way of the Geostationary Operational Environmental Satellite (GOES). The downstream monitor was housed in

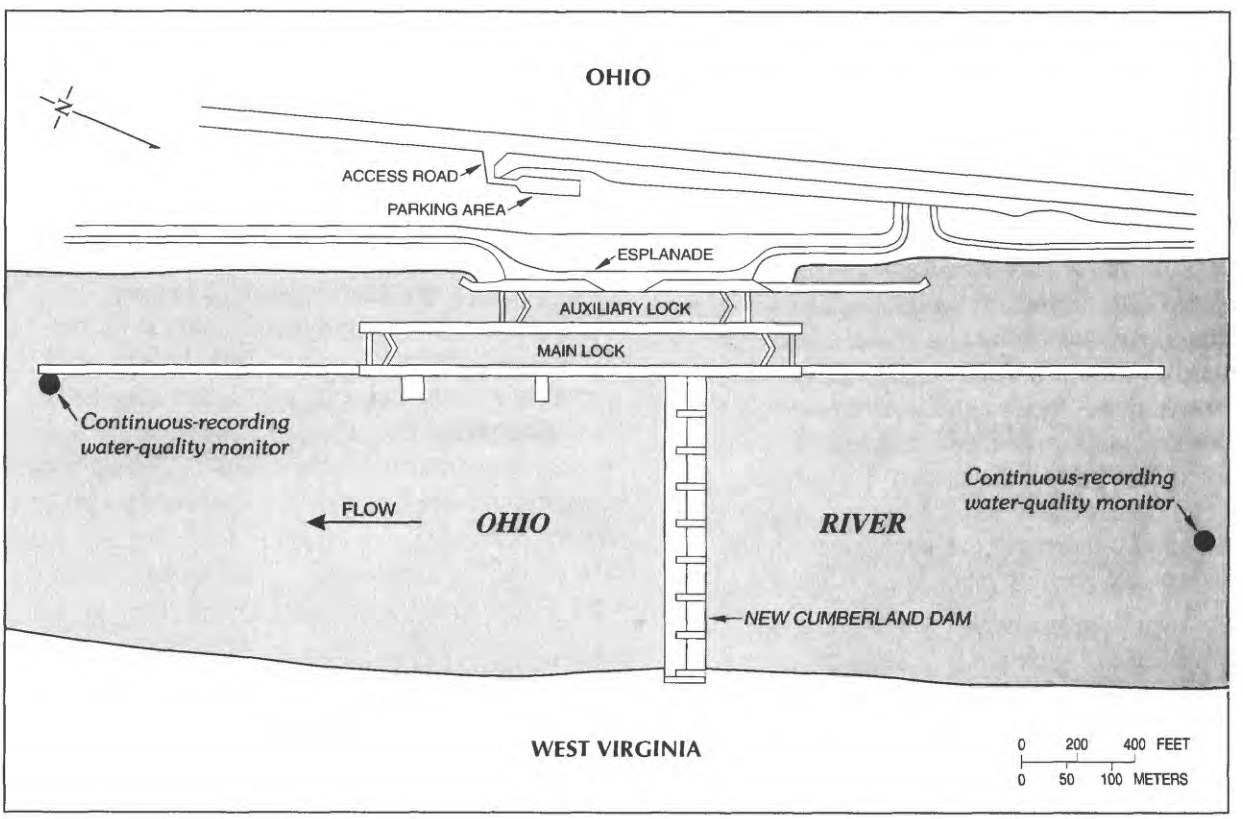

Figure 4. Schematic diagram of New Cumberland Dam showing location of continuous-recording water-quality monitors.

a section of PVC pipe 6 in. in diameter. It was mounted at a fixed depth of 6.6 ft below the surface of the water and was located at the end of the downstream wingwall on the riverside, about 1,200 ft from the dam (latitude 40°31'33"N, longitude 80°37'28"W).

Quality Assurance

The portable water-quality monitoring system was calibrated at the beginning of each sampling period in accordance with the recommendations of the manufacturer (Hydrolab Corporation, 1991), and each parameter was checked periodically during the day for meter drift. Barometric pressure was recorded before each set of field measurement by use of an analog barometer that was calibrated against a mercury barometer maintained by the National Weather Service Forecast Office in Charleston, W. Va.

The portable monitoring system measures DO concentration electrometrically with a standard membrane electrode. The electrode was calibrated by reading the meter against water-saturated air at known temperature and barometric pressure. As a further check of the accuracy of the DO concentration measurements, the electrode response was tested with a solution of sodium sulfite of sufficient concentration (about 1 g/L) to reduce DO concentration to below the detection limit (0.2 mg/L) of the meter (Skougstad and others, 1979).

At least once during each set of cross-sectional transect measurements, a water sample was collected from a point in the cross section at the same time that electrode measurements were recorded, and the DO concentration of the water sample was determined immediately by the Winkler method with azide modification (American Public Health Association and others, 1992, p. 4-100). The meter response was considered accurate if it differed from the results of the Winkler test by no more than 0.2 mg/L. Differences of less than 0.2 mg/L in reported DO concentrations probably are not significant. DO concentration, as a percentage of the saturation concentration, was calculated using the equations and tables of Weiss (1970).

Secchi disk measurements were made by the same individual between the hours of 1000 and 1600 EDT. Secchi disk depths were not recorded if the sampling time was outside this time frame or if high flows or surface waves made measuring impossible.

The continuous-recording water-quality monitors were serviced and recalibrated according to the manufacturer's instructions at least once every 2 weeks, and more frequently during periods of high water temperatures and low riverflows. Two sensor packages were available for each monitoring location so that a precalibrated unit could be installed at a site and the existing unit removed and returned to the laboratory for servicing. Data from the downstream monitor were transmitted from the Data Collection Platform (DCP) by way of the GOES satellite to a local read-out ground station and from there by way of Internet to the Prime. After being transmitted to the Prime, it was processed through Device Conversion & Delivery System (DECODES) and loaded into standard data format into the Automated Data Processing System (ADAPS). Occasionally, there were interruptions to the satellite transmissions and the process was altered. Amendments to the process included downloading the data to a disk and manually processing it through DECODES. Data from the upstream monitor were downloaded to a disk and manually processed through DECODES. Personnel from the USGS West Virginia District performed daily quality control by scanning the unedited data, and checking for data interruptions and erroneous values. Raw data were checked for meter drift and corrected, when necessary, by assuming a linear rate of change between successive recalibrations.

WATER-QUALITY DATA

Water-quality data collected in the Ohio River from New Cumberland Dam to Pike Island Dam during June through October 1995 are presented in tables 1 to 29. Data for the cross-sectional and longitudinal transects are presented in tables 1 to 21. The data are arranged according to location of sampling, date, and depth of sampling. Summaries of continuously recorded water-quality data are presented in tables 22 through 29 and are arranged

according to date, parameter sampled, and location of sample.

Cross-Sectional and Longitudinal - Transect Data

Tables 1 through 21 present water-quality data for cross-sectional and longitudinal transects. Each table contains all water-quality data collected during 1995 at the sampling point indicated. Sampling points are identified by station number and by river mile. The main shipping channel in the Pike Island pool is to the left (the West Virginia side) of Browns Island, the largest island in the pool; the back channel is to the right (the Ohio side) of the island. In this report, locations for both main-channel and back-channel sampling sites are always given as the total distance from the left bank to the middle of the channel. Data are stored electronically in the U.S. Geological Survey Water Data Storage and Retrieval System (WATSTORE). At locations where cross-sectional-transect data were collected, the location of each depth profile is given as the estimated distance in feet from the left bank of the river and the sampling depth is given in feet below the surface of the water.

Complete sets of data were collected for the July 11, August 8, August 22, and September 7-8 sampling periods. Because of weather conditions, incomplete data sets were collected for the June 27, July 25, September 22, October 3, and October 17 sampling periods.

Secchi disk transparency is a measure of the relative amount of light available for photosynthesis (Wetzel and Likens, 1979). The depth at which the Secchi disk disappears from view is affected by the concentration of suspended particles and by light-absorbing characteristics of the water. No Secchi disk data were reported before the hour of 1000 nor after the hour of 1600 EDT. Weather conditions and high flows on the river occasionally precluded the collection of Secchi disk data.

Continuous-Record Water-quality Monitoring Data

Continuously recorded monitored water-quality data for the Ohio River at the New Cumberland Dam from June through October 1995 are summarized in tables 22 through 29. These tables contain daily maximum, minimum, and mean values for specific conductance, water temperature, and DO concentration and daily maximum, minimum, and median values for pH for both upstream and downstream continuous-recording monitors. The locations of the monitors are identified by station number and as either the upstream or the downstream location; monitor locations are shown in figure 4. If less than 80 percent of hourly values were recorded for a day, a mean value was not reported for that day. Hourly records are stored permanently in the USGS National Water Information System (NWIS) data base.

SUMMARY

The water-quality data presented in this report were collected during the summer and fall of 1995 as part of a monitoring program designed to assess the effects of hydropower development on water quality in the Pike Island navigation pool of the Ohio River (Ohio River miles 51.1 to 84.0). The data were collected, in part, to satisfy license requirements for development of hydropower at New Cumberland Dam (FERC Hydroelectric Project No. 6901).

Data-collection methods consisted of repeated synoptic sampling of selected water-quality characteristics throughout the pool and continuous-record monitoring.

During synoptic sampling, specific conductance, pH, water temperature, and dissolved oxygen concentration were measured along a longitudinal transect of 20 mid-channel sampling sites. Water-quality measurements also were made at two sites located on the back-channel (Ohio) side of Browns Island and at one site near the middle of the wingwall of New Cumberland Dam. Longitudinal-transect and back-channel sites were sampled in the middle of the channel at the surface, about 3.0 ft below the surface, at the middle of the water column, and near the bottom. Cross-sectional transects of the same water-quality measurements were made at 5 of the 20 main-channel sites. Cross-sectional transects consisted of three to four vertical profiles with measurements at the surface, 3.0 ft, 5.0 ft, and then at intervals of 5.0 ft. An estimate of the depth of light penetration (Secchi disk depth) was made at each cross-sectional sampling site whenever light and river-surface conditions were appropriate. Synoptic water-quality measurements were made twice in July, August, September, and October 1995. A partial data set was collected in June 1995.

Continuous-recording water-quality monitors were installed immediately upstream and downstream from the New Cumberland Dam. Hourly measurements of specific conductance, pH, water temperature, and dissolved oxygen concentration were recorded beginning in June and continued through October 1995. Maximum, minimum, and mean daily values of specific conductance, water temperature, and dissolved oxygen concentration are reported. Maximum, minimum, and median daily values of pH are reported.

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Table 1. *Water-quality data for station 403400080392201, Ohio River at river mile 51.1, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
June									
27	1256	0.3	600	388	7.4	25.2	--	7.7	96
27	1257	3.1	600	390	7.5	25.5	--	7.4	93
27	1259	17	600	394	7.4	25.4	--	7.1	89
27	1258	33	600	394	7.4	25.3	--	7.3	90
July									
11	1130	0.4	600	439	7.6	26.1	--	8.4	106
11	1130	3.1	600	439	7.5	25.3	--	8.4	104
11	1132	24	600	439	7.4	24.9	--	7.8	96
11	1131	48	600	439	7.4	24.9	--	7.7	94
25	1133	0.5	600	432	7.4	27.0	--	7.1	91
25	1134	3.2	600	434	7.4	27.0	--	7.1	91
25	1135	21	600	431	7.4	27.0	--	7.1	91
25	1134	41	600	435	7.4	26.9	--	7.0	90
August									
08	1119	0.4	600	449	7.5	28.4	--	7.7	101
08	1120	3.0	600	448	7.5	28.4	--	7.6	99
08	1121	21	600	447	7.5	28.3	--	7.6	99
08	1120	41	600	443	7.5	28.3	--	7.4	96
22	0922	0.7	600	477	8.2	29.4	--	8.5	113
22	0923	3.0	600	478	8.1	29.3	--	8.4	111
22	0926	25	600	474	7.7	28.7	--	7.5	98
22	0925	47	600	474	7.7	28.6	--	7.4	97
September									
07	1858	0.9	600	475	8.8	28.5	--	10.0	132
07	1858	2.8	600	476	8.8	28.5	--	10.0	132
07	1900	20	600	492	8.1	26.2	--	7.7	98
07	1859	40	600	492	8.0	26.1	--	7.5	95
22	1449	0.9	600	487	7.4	22.1	--	7.2	84
22	1450	2.9	600	487	7.4	22.1	--	7.2	84
22	1452	22	600	486	7.4	22.1	--	7.2	84
22	1451	44	600	487	7.4	22.1	--	7.1	83
October									
03	1427	0.2	600	486	7.5	20.5	--	8.3	94
03	1428	2.8	600	485	7.5	20.4	--	8.3	94
03	1429	22	600	489	7.5	20.3	--	8.2	93
03	1428	43	600	489	7.5	20.3	--	8.1	92

Table 1. *Water-quality data for station 403400080392201, Ohio River at river mile 51.1, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
October									
17	1430	1.1	600	459	7.5	17.8	--	8.6	91
17	1430	3.1	600	460	7.5	17.8	--	8.6	91
17	1432	23	600	461	7.5	17.4	--	8.4	89
17	1431	45	600	458	7.5	17.4	--	8.4	88

Table 2. *Water-quality data for station 403156080373201, Ohio River at river mile 54.0, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
June									
27	1355	0.6	500	381	7.5	28.2	--	7.2	94
27	1355	3.0	500	379	7.5	26.8	--	7.1	91
27	1356	4.7	500	380	7.5	26.3	--	7.1	90
27	1356	9.7	500	378	7.5	25.6	--	7.1	88
27	1357	15	500	382	7.5	25.4	--	7.0	87
27	1357	20	500	385	7.5	25.2	--	7.0	87
27	1358	25	500	386	7.5	25.2	--	7.0	87
27	1359	28	500	381	7.5	25.2	--	6.9	86
27	1329	0.5	900	381	7.5	25.6	--	7.2	90
27	1329	3.1	900	382	7.5	25.5	1.5	7.2	90
27	1330	5.0	900	384	7.5	25.4	--	7.2	89
27	1331	9.9	900	382	7.5	25.2	--	7.0	87
27	1331	15	900	380	7.5	25.2	--	7.0	87
27	1332	20	900	381	7.4	25.2	--	7.0	86
27	1332	25	900	384	7.4	25.2	--	6.9	86
27	1333	30	900	382	7.4	25.2	--	6.9	86
27	1334	35	900	382	7.4	25.1	--	6.9	86
27	1343	0.6	1,400	381	7.5	26.5	--	7.2	92
27	1343	3.2	1,400	383	7.5	26.5	--	7.2	92
27	1344	5.2	1,400	384	7.5	26.1	--	7.2	91
27	1345	10	1,400	386	7.5	25.5	--	7.2	90
27	1346	15	1,400	388	7.5	25.2	--	7.1	88
27	1346	20	1,400	385	7.5	25.2	--	7.0	86
27	1347	25	1,400	382	7.5	25.2	--	6.9	86
27	1348	30	1,400	386	7.5	25.2	--	6.9	85
27	1349	33	1,400	382	7.4	25.2	--	6.8	85
July									
11	1104	0.3	500	428	7.4	29.5	--	7.4	99
11	1104	3.1	500	428	7.4	29.2	--	7.5	100
11	1105	5.0	500	427	7.4	28.9	--	7.5	99
11	1105	9.9	500	426	7.3	27.7	--	7.4	96
11	1106	15	500	426	7.3	26.2	--	7.5	94
11	1107	20	500	426	7.3	25.8	--	7.4	93
11	1107	25	500	429	7.3	25.2	--	7.2	90
11	1108	29	500	432	7.3	25.1	--	7.2	89

Table 2. *Water-quality data for station 403156080373201, Ohio River at river mile 54.0, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	1055	0.4	900	425	7.3	29.4	--	7.3	98
11	1055	3.1	900	424	7.3	28.9	2.5	7.4	98
11	1056	5.0	900	432	7.3	28.5	--	7.4	97
11	1056	10	900	423	7.3	27.6	--	7.3	95
11	1057	15	900	434	7.3	26.0	--	7.4	94
11	1057	20	900	436	7.3	25.5	--	7.4	93
11	1058	25	900	434	7.3	25.2	--	7.4	91
11	1058	30	900	425	7.3	25.1	--	7.3	91
11	1059	33	900	424	7.3	25.1	--	7.3	90
11	1110	0.2	1,400	429	7.3	29.5	--	7.4	99
11	1110	3.0	1,400	428	7.3	29.0	--	7.3	97
11	1111	5.1	1,400	427	7.3	28.2	--	7.4	96
11	1111	10	1,400	428	7.3	26.7	--	7.4	94
11	1112	15	1,400	427	7.3	26.3	--	7.4	94
11	1112	20	1,400	431	7.3	25.6	--	7.3	91
11	1113	25	1,400	430	7.3	25.4	--	7.3	90
11	1113	29	1,400	424	7.3	25.3	--	7.0	87
25	1144	0.5	500	427	7.4	32.2	--	6.9	97
25	1144	3.1	500	427	7.4	32.1	--	7.0	98
25	1145	5.1	500	428	7.4	32.0	--	6.9	96
25	1145	10	500	427	7.4	30.3	--	6.8	92
25	1146	15	500	426	7.4	29.2	--	6.8	90
25	1146	20	500	426	7.4	28.1	--	6.8	89
25	1147	25	500	426	7.4	27.3	--	6.5	84
25	1147	30	500	428	7.4	27.2	--	6.4	83
25	1214	0.3	900	427	7.4	31.7	--	6.9	96
25	1214	3.1	900	426	7.4	31.7	2.5	6.9	95
25	1215	5.1	900	425	7.4	31.7	--	6.9	96
25	1215	10	900	427	7.4	30.0	--	6.8	92
25	1216	15	900	426	7.4	28.3	--	6.9	90
25	1216	20	900	424	7.4	27.5	--	6.8	88
25	1217	25	900	422	7.4	27.3	--	6.7	87
25	1217	30	900	422	7.4	27.3	--	6.7	87
25	1218	35	900	430	7.4	27.3	--	6.6	86

Table 2. *Water-quality data for station 403156080373201, Ohio River at river mile 54.0, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
25	1152	0.6	1,400	428	7.4	32.5	--	6.8	96
25	1152	3.2	1,400	427	7.4	31.7	--	6.8	94
25	1153	5.0	1,400	425	7.4	30.8	--	6.8	92
25	1153	10	1,400	427	7.4	29.6	--	6.8	91
25	1154	15	1,400	427	7.4	28.8	--	6.8	90
25	1154	20	1,400	427	7.4	27.8	--	6.7	87
25	1155	25	1,400	429	7.4	27.4	--	6.6	85
25	1155	27	1,400	423	7.4	27.3	--	6.6	85
August									
08	1112	0.3	500	449	7.5	28.3	--	7.4	96
08	1112	3.3	500	450	7.5	28.3	--	7.3	96
08	1113	5.1	500	451	7.5	28.3	--	7.3	95
08	1113	9.7	500	450	7.5	28.2	--	7.3	95
08	1114	14	500	451	7.5	28.2	--	7.2	94
08	1114	19	500	451	7.4	28.2	--	7.2	94
08	1115	24	500	451	7.4	28.2	--	7.2	94
08	1115	29	500	449	7.4	28.2	--	7.2	93
08	1116	30	500	451	7.4	28.2	--	7.0	92
08	1100	0.4	900	449	7.6	28.3	--	7.1	93
08	1100	3.2	900	449	7.5	28.3	--	7.3	95
08	1101	5.2	900	449	7.5	28.3	3.5	7.1	92
08	1101	9.8	900	450	7.5	28.3	--	7.1	93
08	1102	15	900	450	7.5	28.3	--	7.1	93
08	1102	20	900	451	7.4	28.3	--	7.0	91
08	1103	25	900	452	7.4	28.2	--	7.0	91
08	1103	30	900	450	7.4	28.2	--	7.0	91
08	1104	33	900	448	7.4	28.2	--	6.9	89
08	1106	0.4	1,400	449	7.5	31.1	--	7.0	96
08	1106	3.3	1,400	449	7.5	30.6	--	7.1	96
08	1107	5.2	1,400	451	7.5	29.3	--	7.1	94
08	1107	10	1,400	450	7.5	28.6	--	7.0	92
08	1108	15	1,400	451	7.5	28.5	--	7.0	92
08	1108	20	1,400	449	7.5	28.4	--	7.0	92
08	1109	25	1,400	451	7.5	28.3	--	7.0	91
08	1109	29	1,400	451	7.4	28.3	--	6.9	90

Table 2. *Water-quality data for station 403156080373201, Ohio River at river mile 54.0, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
August									
22	0940	1.0	500	479	7.6	34.9	--	7.2	105
22	0940	3.2	500	479	7.6	34.9	--	7.1	103
22	0941	5.2	500	483	7.6	34.8	--	7.3	106
22	0941	9.9	500	482	7.6	34.7	--	7.2	105
22	0942	15	500	485	7.6	31.6	--	7.2	100
22	0942	20	500	482	7.7	30.5	--	7.4	100
22	0943	25	500	483	7.6	29.4	--	6.9	91
22	0943	30	500	472	7.5	29.2	--	6.5	86
22	0944	35	500	488	7.4	29.0	--	6.2	82
22	0953	0.6	900	481	7.6	34.7	--	7.1	103
22	0953	3.2	900	480	7.6	34.7	--	7.1	103
22	0954	5.4	900	480	7.6	34.7	--	7.0	102
22	0954	9.8	900	479	7.6	34.5	--	7.1	103
22	0955	15	900	483	7.6	31.9	--	7.2	99
22	0955	20	900	482	7.6	29.5	--	7.1	94
22	0956	25	900	481	7.5	29.3	--	7.0	92
22	0956	30	900	476	7.5	29.2	--	6.5	86
22	0957	35	900	479	7.4	29.0	--	5.7	75
22	1013	0.5	1,400	479	7.6	35.3	--	7.2	105
22	1013	3.2	1,400	479	7.6	34.7	--	7.1	103
22	1014	5.2	1,400	479	7.6	34.1	--	7.1	102
22	1014	10	1,400	482	7.6	32.6	--	7.2	101
22	1015	15	1,400	480	7.6	31.5	--	7.2	99
22	1015	20	1,400	483	7.6	30.1	--	7.2	97
22	1016	25	1,400	478	7.5	29.3	--	6.6	88
September									
07	1841	0.4	500	487	7.9	31.8	--	7.1	99
07	1841	2.6	500	485	7.9	31.8	--	7.2	100
07	1842	4.8	500	485	7.9	31.8	--	7.2	100
07	1842	9.7	500	485	7.8	31.3	--	7.0	97
07	1843	15	500	482	7.9	29.2	--	7.2	96
07	1843	19	500	483	7.8	27.3	--	7.1	92
07	1844	24	500	486	7.8	26.6	--	6.8	87
07	1844	30	500	490	7.7	26.6	--	6.7	85

Table 2. *Water-quality data for station 403156080373201, Ohio River at river mile 54.0, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
September									
07	1834	0.2	900	485	7.9	31.4	--	7.0	97
07	1834	2.8	900	484	7.9	31.5	--	7.0	97
07	1835	4.6	900	486	7.9	31.4	--	7.0	97
07	1835	9.4	900	485	7.9	31.5	--	7.0	97
07	1836	15	900	483	7.9	28.0	--	7.3	95
07	1836	19	900	486	7.8	26.8	--	7.1	90
07	1837	25	900	487	7.8	26.6	--	6.9	88
07	1837	30	900	487	7.7	26.6	--	6.8	87
07	1838	35	900	487	7.7	26.6	--	6.6	84
07	1846	0.3	1,400	486	7.9	32.0	--	7.0	99
07	1846	2.8	1,400	486	7.8	31.6	--	7.1	98
07	1847	4.6	1,400	484	7.9	31.4	--	7.1	99
07	1847	9.6	1,400	484	7.9	30.0	--	7.0	94
07	1848	15	1,400	482	7.9	28.7	--	7.0	93
07	1848	20	1,400	490	7.8	26.9	--	6.8	87
07	1849	25	1,400	491	7.7	26.6	--	6.7	86
07	1849	28	1,400	488	7.7	26.6	--	6.5	83
22	1437	1.1	500	490	7.4	25.7	--	6.6	83
22	1438	3.2	500	491	7.4	25.7	--	6.9	86
22	1438	5.2	500	491	7.4	25.7	--	6.8	85
22	1439	9.8	500	491	7.4	24.9	--	6.3	78
22	1440	15	500	489	7.4	23.4	--	6.9	82
22	1440	20	500	490	7.4	23.2	--	6.8	81
22	1441	25	500	489	7.4	22.9	--	6.9	82
22	1442	30	500	487	7.4	22.7	--	6.5	77
22	1429	1.0	900	493	7.4	25.6	--	6.7	83
22	1429	2.8	900	492	7.4	25.7	--	6.8	85
22	1430	4.8	900	490	7.4	25.8	--	6.8	85
22	1430	10	900	493	7.4	25.2	--	6.5	81
22	1431	15	900	491	7.4	23.4	--	6.6	79
22	1431	20	900	490	7.4	22.9	--	6.8	80
22	1432	25	900	494	7.4	22.8	--	7.0	82
22	1432	30	900	491	7.4	22.8	--	6.8	80
22	1433	33	900	490	7.4	22.8	--	6.5	77

Table 2. *Water-quality data for station 403156080373201, Ohio River at river mile 54.0, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
September									
22	1406	1.0	1,400	492	7.4	26.1	--	7.1	89
22	1406	2.8	1,400	491	7.4	25.8	--	7.1	89
22	1407	4.9	1,400	489	7.4	25.3	--	7.1	88
22	1407	10	1,400	489	7.4	24.0	--	7.1	86
22	1408	15	1,400	489	7.4	23.7	--	7.1	86
22	1409	20	1,400	490	7.4	23.2	--	7.1	85
22	1409	25	1,400	490	7.4	22.9	--	7.0	83
22	1410	27	1,400	485	7.4	22.8	--	7.0	82
October									
03	1417	0.2	500	485	7.5	26.7	--	8.2	105
03	1417	3.1	500	483	7.5	26.6	--	8.2	105
03	1418	4.8	500	482	7.5	26.2	--	8.2	104
03	1419	10	500	483	7.5	23.7	--	8.2	99
03	1419	15	500	483	7.5	22.3	--	8.2	97
03	1420	20	500	481	7.5	21.8	--	8.2	96
03	1420	24	500	482	7.5	21.1	--	8.1	94
03	1421	30	500	481	7.5	20.8	--	8.0	92
03	1409	0.2	900	484	7.5	25.7	--	8.3	104
03	1409	2.9	900	484	7.5	25.7	--	8.3	105
03	1410	5.0	900	483	7.5	25.7	--	8.3	104
03	1410	10	900	486	7.5	24.1	--	8.2	100
03	1411	15	900	486	7.5	22.2	--	8.3	97
03	1411	20	900	488	7.5	21.6	--	8.2	96
03	1412	25	900	488	7.5	21.0	--	8.1	93
03	1412	30	900	476	7.5	21.0	--	8.1	94
03	1413	32	900	475	7.5	21.0	--	8.2	94
03	1354	0.4	1,400	484	7.5	25.9	--	8.2	103
03	1354	2.8	1,400	484	7.5	25.2	--	8.2	102
03	1355	4.8	1,400	484	7.5	24.3	--	8.3	102
03	1356	9.9	1,400	482	7.5	23.4	--	8.3	99
03	1356	15	1,400	479	7.5	22.2	--	8.2	96
03	1357	20	1,400	482	7.5	21.5	--	8.2	95
03	1358	25	1,400	481	7.5	21.4	--	8.1	94
03	1359	28	1,400	480	7.5	21.2	--	8.0	92
17	1418	0.9	500	508	7.4	20.6	--	8.3	93
17	1418	3.2	500	507	7.4	20.6	--	8.4	94
17	1419	5.1	500	507	7.4	20.3	--	8.3	93
17	1419	9.9	500	506	7.4	19.4	--	8.4	92
17	1420	15	500	499	7.4	18.5	--	8.5	91
17	1421	20	500	487	7.4	18.0	--	8.4	90
17	1421	25	500	489	7.4	17.8	--	8.3	88
17	1422	30	500	495	7.4	17.7	--	8.3	88
17	1422	31	500	487	7.4	17.7	--	8.2	87

Table 2. *Water-quality data for station 403156080373201, Ohio River at river mile 54.0, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
October									
17	1405	0.9	900	502	7.4	20.4	--	8.5	95
17	1405	3.2	900	502	7.4	20.1	--	8.3	92
17	1406	5.2	900	504	7.4	19.5	3.5	8.2	90
17	1407	10	900	503	7.4	18.9	--	8.3	90
17	1407	15	900	499	7.4	18.4	--	8.5	92
17	1408	20	900	491	7.4	18.1	--	8.4	90
17	1408	25	900	493	7.4	17.9	--	8.4	89
17	1409	30	900	499	7.4	17.8	--	8.4	89
17	1409	35	900	490	7.4	17.8	--	8.4	89
17	1410	38	900	490	7.4	17.8	--	8.3	88
17	1359	1.0	1,400	502	7.4	21.0	--	8.8	99
17	1359	3.2	1,400	503	7.4	20.4	--	8.5	95
17	1400	5.2	1,400	501	7.4	19.7	--	8.6	95
17	1400	10	1,400	501	7.4	18.9	--	8.5	92
17	1401	15	1,400	499	7.4	18.5	--	8.4	90
17	1401	20	1,400	496	7.4	18.1	--	8.3	88
17	1402	25	1,400	490	7.4	17.9	--	8.4	89
17	1402	27	1,400	490	7.4	17.9	--	8.2	87

Table 3. *Water-quality data for station 403139080373801, Ohio River at river mile 54.4, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
June									
27	1411	0.5	1,100	380	7.5	28.7	--	6.9	92
27	1411	3.2	1,100	381	7.5	28.8	--	6.9	91
27	1410	5.3	1,100	380	7.5	28.8	--	6.9	91
27	1410	9.8	1,100	380	7.5	28.3	--	6.9	91
27	1409	15	1,100	378	7.5	27.3	--	6.9	89
27	1409	20	1,100	380	7.5	25.4	--	6.9	87
27	1408	25	1,100	380	7.5	25.4	--	6.9	86
27	1408	31	1,100	380	7.5	25.4	--	6.9	85
July									
11	1118	0.3	1,100	428	7.3	29.6	--	7.4	99
11	1118	3.0	1,100	429	7.3	29.8	--	7.4	99
11	1119	5.1	1,100	426	7.3	29.7	--	7.3	98
11	1119	9.6	1,100	427	7.3	29.4	--	7.3	98
11	1120	15	1,100	432	7.3	29.2	--	7.3	97
11	1120	20	1,100	432	7.3	27.0	--	7.2	92
11	1121	25	1,100	422	7.3	26.2	--	7.2	91
11	1121	30	1,100	429	7.3	26.1	--	7.1	90
11	1122	31	1,100	427	7.3	26.1	--	7.1	89
25	1203	0.5	1,100	429	7.4	33.1	--	6.9	98
25	1203	3.0	1,100	426	7.4	32.9	--	6.8	97
25	1204	5.0	1,100	426	7.4	33.1	--	6.7	96
25	1204	10	1,100	427	7.4	32.4	--	6.7	94
25	1205	15	1,100	423	7.4	31.3	--	6.7	93
25	1205	20	1,100	428	7.4	30.0	--	6.7	90
25	1206	25	1,100	428	7.4	27.8	--	6.5	85
25	1206	30	1,100	431	7.4	27.5	--	6.5	84
August									
08	1031	0.9	1,100	451	7.5	32.1	--	6.9	97
08	1032	3.0	1,100	450	7.5	31.9	--	7.0	97
08	1033	4.9	1,100	452	7.5	31.6	--	6.9	95
08	1033	10	1,100	453	7.5	31.3	--	6.9	94
08	1034	15	1,100	448	7.5	31.2	--	6.9	94
08	1035	20	1,100	447	7.5	29.2	--	6.8	90
08	1036	25	1,100	449	7.5	28.6	--	6.8	90
08	1037	31	1,100	452	7.5	28.6	--	6.8	89
22	1040	0.4	1,100	480	7.6	36.6	--	6.8	102
22	1040	2.6	1,100	480	7.6	36.6	--	7.0	105
22	1041	5.0	1,100	480	7.6	36.2	--	7.0	104
22	1041	9.8	1,100	481	7.6	35.7	--	7.0	103
22	1042	15	1,100	481	7.6	35.3	--	6.9	101
22	1042	20	1,100	484	7.6	32.5	--	6.8	95
22	1043	25	1,100	481	7.5	30.2	--	7.0	94
22	1043	30	1,100	477	7.5	30.0	--	6.8	91
22	1044	31	1,100	479	7.5	29.9	--	6.7	90

Table 3. *Water-quality data for station 403139080373801, Ohio River at river mile 54.4, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
September									
22	1350	1.3	1,100	493	7.4	26.9	--	7.1	90
22	1351	3.2	1,100	493	7.4	26.8	--	7.1	91
22	1351	5.4	1,100	493	7.4	26.9	--	7.1	90
22	1352	11	1,100	491	7.4	26.7	--	7.0	90
22	1352	15	1,100	488	7.4	26.2	--	7.0	88
22	1353	20	1,100	492	7.4	24.4	--	7.0	85
22	1353	25	1,100	496	7.4	23.7	--	6.9	83
22	1354	30	1,100	482	7.4	23.4	--	6.8	82
October									
03	1336	0.3	1,100	485	7.5	28.3	--	8.2	108
03	1336	3.1	1,100	486	7.5	28.3	--	8.2	108
03	1337	5.0	1,100	483	7.5	28.0	--	8.1	107
03	1338	10	1,100	484	7.5	27.4	--	8.2	106
03	1339	15	1,100	483	7.5	26.6	--	8.2	105
03	1339	20	1,100	478	7.5	22.1	--	8.1	95
03	1340	25	1,100	482	7.5	21.3	--	8.1	93
03	1341	30	1,100	484	7.5	21.1	--	8.1	93
17	1342	0.6	1,100	506	7.4	22.3	--	8.2	95
17	1341	3.1	1,100	506	7.4	22.3	--	8.2	95
17	1341	5.1	1,100	505	7.4	21.8	--	8.1	93
17	1340	10	1,100	503	7.4	18.8	--	8.1	88
17	1340	15	1,100	504	7.4	18.8	--	8.1	88
17	1339	20	1,100	506	7.4	18.5	--	8.1	87
17	1339	25	1,100	505	7.4	18.3	--	8.1	87
17	1338	30	1,100	505	7.4	18.2	--	8.2	87
17	1338	31	1,100	503	7.4	18.1	--	8.2	87

Table 4. *Water-quality data for station 403115080371801, Ohio River at river mile 54.8, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	1326	0.5	400	428	7.4	27.8	--	8.0	104
11	1326	3.1	400	429	7.4	27.8	--	8.0	103
11	1327	5.1	400	427	7.4	27.7	--	8.0	103
11	1327	9.9	400	427	7.4	27.7	--	8.0	104
11	1328	15	400	426	7.3	27.5	--	8.0	103
11	1328	20	400	429	7.3	27.5	--	7.9	102
11	1329	25	400	428	7.3	27.3	--	7.8	101
11	1329	30	400	431	7.3	27.2	--	7.7	99
11	1318	0.2	700	429	7.4	27.7	--	8.0	104
11	1319	3.1	700	429	7.4	27.7	2.0	8.0	104
11	1318	5.1	700	429	7.3	27.7	--	8.0	104
11	1320	10	700	430	7.3	27.7	--	8.0	104
11	1321	15	700	430	7.3	27.7	--	8.0	104
11	1322	17	700	430	7.3	27.7	--	8.0	103
11	1314	0.4	1,100	428	7.4	27.7	--	8.1	105
11	1314	3.1	1,100	430	7.3	27.7	--	8.1	104
11	1315	4.9	1,100	427	7.3	27.7	--	8.0	104
11	1315	9.8	1,100	429	7.3	27.7	--	8.0	104
11	1316	15	1,100	429	7.3	27.7	--	8.0	104
11	1316	17	1,100	429	7.3	27.7	--	8.0	104
11	1306	0.3	1,500	430	7.4	27.8	--	7.9	103
11	1306	3.0	1,500	429	7.4	27.8	--	8.0	104
11	1307	4.9	1,500	429	7.4	27.8	--	8.0	103
11	1308	9.8	1,500	429	7.4	27.8	--	8.0	104
11	1308	15	1,500	430	7.3	27.8	--	8.0	104
11	1309	18	1,500	430	7.4	27.8	--	8.0	104
25	1347	0.4	400	426	7.5	30.2	--	7.3	99
25	1347	3.1	400	427	7.5	30.1	--	7.3	99
25	1348	4.9	400	427	7.5	30.1	--	7.3	99
25	1348	9.9	400	428	7.5	30.1	--	7.3	99
25	1349	15	400	425	7.5	30.1	--	7.2	98
25	1349	20	400	427	7.5	30.1	--	7.2	98
25	1350	25	400	427	7.5	30.0	--	7.2	97
25	1350	26	400	426	7.5	30.0	--	7.2	97

Table 4. *Water-quality data for station 403115080371801, Ohio River at river mile 54.8, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
25	1343	0.7	700	425	7.5	30.1	--	7.4	100
25	1343	3.2	700	427	7.5	30.0	1.5	7.4	100
25	1344	5.1	700	427	7.5	30.0	--	7.4	100
25	1344	10	700	425	7.5	30.0	--	7.4	100
25	1345	15	700	429	7.5	29.9	--	7.4	100
25	1339	0.2	1,100	427	7.5	29.8	--	7.4	100
25	1339	3.1	1,100	425	7.5	29.8	--	7.4	100
25	1340	5.0	1,100	426	7.5	29.8	--	7.4	100
25	1340	9.8	1,100	425	7.5	29.8	--	7.4	100
25	1341	15	1,100	425	7.5	29.8	--	7.4	100
25	1341	19	1,100	428	7.5	29.8	--	7.4	100
25	1334	0.4	1,500	426	7.5	29.8	--	7.3	99
25	1334	3.0	1,500	426	7.5	29.8	--	7.4	99
25	1335	5.1	1,500	426	7.5	29.8	--	7.4	99
25	1335	10	1,500	427	7.5	29.7	--	7.4	100
25	1336	13	1,500	427	7.5	29.7	--	7.4	100
August									
08	0832	0.4	400	452	7.5	28.9	--	7.9	104
08	0832	3.0	400	451	7.5	28.9	--	7.9	104
08	0833	5.1	400	453	7.5	28.9	--	7.9	104
08	0833	9.1	400	451	7.5	28.9	--	7.9	104
08	0834	14	400	455	7.5	29.0	--	7.9	104
08	0834	21	400	454	7.5	29.0	--	7.9	104
08	0835	26	400	447	7.5	29.0	--	7.8	103
08	0835	30	400	452	7.5	29.0	--	7.8	103
08	0838	0.8	700	452	7.5	29.2	--	7.7	102
08	0838	3.2	700	455	7.5	29.2	--	7.8	104
08	0839	5.1	700	454	7.5	29.2	--	7.8	104
08	0839	10	700	450	7.5	29.1	--	7.8	103
08	0840	15	700	452	7.5	29.1	--	7.7	102
08	0840	19	700	451	7.5	29.0	--	7.8	103
08	0845	0.4	1,100	450	7.5	29.4	--	7.7	103
08	0845	2.7	1,100	452	7.5	29.4	--	7.8	104
08	0846	5.6	1,100	454	7.5	29.4	--	7.8	104
08	0846	9.4	1,100	455	7.5	29.3	--	7.8	103
08	0847	13	1,100	449	7.5	29.3	--	7.8	103
08	0847	18	1,100	458	7.5	29.3	--	7.8	104

Table 4. *Water-quality data for station 403115080371801, Ohio River at river mile 54.8, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
August									
08	0911	0.2	1,500	451	7.5	29.5	--	7.6	101
08	0911	3.1	1,500	454	7.5	29.5	--	7.6	101
08	0912	5.2	1,500	452	7.5	29.5	--	7.5	100
08	0912	9.7	1,500	452	7.5	29.6	--	7.5	100
08	0913	14	1,500	451	7.5	29.6	--	7.5	100
22	1228	0.9	400	480	7.6	32.8	--	7.6	107
22	1228	3.2	400	480	7.6	32.8	--	7.5	105
22	1229	5.1	400	480	7.6	32.9	--	7.6	107
22	1229	9.7	400	482	7.6	32.8	--	7.5	106
22	1230	11	400	479	7.6	32.8	--	7.5	105
22	1221	1.0	700	481	7.6	32.8	--	7.6	107
22	1222	3.1	700	482	7.6	32.8	3.0	7.6	107
22	1222	5.2	700	481	7.6	32.8	--	7.6	106
22	1223	10	700	479	7.6	32.8	--	7.5	106
22	1223	15	700	481	7.6	32.8	--	7.6	107
22	1224	18	700	483	7.6	32.8	--	7.5	105
22	1213	0.5	1,100	481	7.6	32.7	--	7.5	106
22	1213	3.1	1,100	482	7.6	32.8	--	7.5	106
22	1214	5.1	1,100	479	7.6	32.7	--	7.6	107
22	1215	9.8	1,100	481	7.6	32.7	--	7.6	106
22	1215	15	1,100	482	7.6	32.7	--	7.6	107
22	1201	0.8	1,500	482	7.6	32.5	--	7.5	104
22	1201	2.9	1,500	481	7.6	32.5	--	7.4	104
22	1202	5.1	1,500	480	7.6	32.5	--	7.5	105
22	1202	10	1,500	481	7.6	32.5	--	7.4	104
22	1203	15	1,500	481	7.6	32.5	--	7.4	103
September									
07	1713	0.2	400	483	7.9	29.8	--	7.6	102
07	1713	3.0	400	484	7.9	29.9	--	7.6	102
07	1714	5.0	400	484	7.9	29.9	--	7.6	102
07	1714	10	400	483	7.9	29.9	--	7.5	101
07	1715	15	400	483	7.9	29.8	--	7.4	100
07	1715	20	400	481	7.7	29.4	--	6.8	91
07	1716	25	400	481	7.6	29.0	--	6.6	88

Table 4. *Water-quality data for station 403115080371801, Ohio River at river mile 54.8, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
September									
07	1709	0.2	700	484	7.9	29.8	--	7.6	102
07	1709	3.0	700	484	7.9	29.8	--	7.6	102
07	1710	5.0	700	484	7.9	29.8	--	7.6	102
07	1710	10	700	485	7.9	29.8	--	7.6	102
07	1711	15	700	485	7.9	29.8	--	7.6	102
07	1711	17	700	485	7.9	29.7	--	7.5	101
07	1705	0.2	1,100	484	7.9	29.6	--	7.7	103
07	1705	3.0	1,100	484	7.9	29.6	--	7.5	102
07	1706	5.0	1,100	484	7.9	29.6	--	7.6	102
07	1706	10	1,100	484	7.9	29.6	--	7.6	103
07	1707	13	1,100	484	7.9	29.7	--	7.6	102
07	1700	0.2	1,500	484	7.9	29.5	--	7.6	102
07	1700	3.0	1,500	484	8.0	29.6	--	7.8	105
07	1701	5.0	1,500	483	7.9	29.6	--	7.4	100
07	1702	10	1,500	482	7.8	28.0	--	7.1	93
22	1520	1.1	400	489	7.5	24.8	--	7.8	96
22	1521	3.0	400	492	7.4	24.7	--	7.7	94
22	1521	5.0	400	491	7.4	24.7	--	7.5	91
22	1522	9.7	400	491	7.4	24.7	--	7.5	92
22	1522	15	400	492	7.4	24.8	--	7.6	93
22	1523	20	400	490	7.4	24.7	--	7.5	92
22	1523	25	400	490	7.4	24.7	--	7.6	93
22	1524	29	400	494	7.4	24.7	--	7.6	93
22	1527	1.5	700	491	7.5	24.7	--	7.6	94
22	1527	2.9	700	489	7.5	24.8	--	7.7	95
22	1528	5.0	700	490	7.5	24.7	--	7.7	94
22	1528	10	700	494	7.4	24.7	--	7.9	97
22	1529	15	700	488	7.4	24.7	--	7.8	96
22	1529	17	700	490	7.4	24.7	--	7.9	97
22	1531	1.0	1,100	491	7.5	24.7	--	8.1	99
22	1532	3.0	1,100	492	7.5	24.7	--	8.0	98
22	1533	5.1	1,100	492	7.4	24.7	--	7.9	97
22	1533	8.5	1,100	489	7.4	24.7	--	8.2	100
22	1534	15	1,100	493	7.4	24.7	--	8.0	99
22	1535	20	1,100	493	7.4	24.7	--	8.0	98

Table 4. *Water-quality data for station 403115080371801, Ohio River at river mile 54.8, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
September									
22	1539	1.0	1,500	492	7.5	24.5	--	7.5	92
22	1540	2.8	1,500	490	7.4	24.6	--	7.5	91
22	1540	5.1	1,500	491	7.4	24.6	--	7.5	91
22	1541	10	1,500	490	7.4	24.6	--	7.4	90
22	1541	15	1,500	489	7.4	24.6	--	7.3	90
22	1542	16	1,500	488	7.4	24.6	--	7.3	89
October									
03	1549	0.7	400	480	7.5	24.1	--	8.4	103
03	1549	2.6	400	480	7.5	24.1	--	8.4	103
03	1550	4.8	400	481	7.5	24.2	--	8.4	103
03	1551	10	400	484	7.5	24.2	--	8.4	103
03	1552	15	400	482	7.5	24.2	--	8.4	103
03	1553	16	400	486	7.5	24.2	--	8.4	103
03	1608	0.6	700	481	7.5	24.1	--	8.5	104
03	1608	2.8	700	479	7.5	24.1	--	8.5	104
03	1609	5.1	700	478	7.5	24.1	--	8.6	105
03	1610	10	700	478	7.5	24.1	--	8.6	105
03	1610	15	700	477	7.5	24.1	--	8.6	105
03	1611	18	700	486	7.5	24.1	--	8.6	105
03	1600	0.7	1,100	484	7.5	23.9	--	8.6	105
03	1600	2.9	1,100	482	7.5	23.9	--	8.6	104
03	1601	4.9	1,100	479	7.5	23.9	--	8.5	104
03	1601	10	1,100	482	7.5	23.9	--	8.5	104
03	1602	15	1,100	488	7.5	23.9	--	8.5	104
03	1603	16	1,100	479	7.5	23.9	--	8.6	105
03	1619	0.6	1,500	485	7.5	23.8	--	8.6	104
03	1619	3.0	1,500	482	7.5	23.8	--	8.6	105
03	1620	5.0	1,500	486	7.5	23.8	--	8.6	105
03	1620	11	1,500	488	7.5	23.8	--	8.6	105
03	1621	15	1,500	492	7.5	23.8	--	8.5	103
03	1622	16	1,500	483	7.5	23.8	--	8.5	104
17	1510	0.8	400	500	7.5	19.3	--	9.2	101
17	1510	3.2	400	499	7.5	19.4	--	9.3	101
17	1511	4.9	400	499	7.5	19.4	3.5	9.2	101
17	1511	9.7	400	498	7.4	19.3	--	9.2	101
17	1512	15	400	497	7.4	19.3	--	9.2	101
17	1512	19	400	497	7.5	19.3	--	9.2	101
17	1513	24	400	498	7.4	19.3	--	9.2	101

Table 4. *Water-quality data for station 403115080371801, Ohio River at river mile 54.8, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
October									
17	1519	0.4	700	499	7.4	19.4	--	9.1	100
17	1519	3.1	700	499	7.4	19.4	--	9.2	101
17	1520	5.2	700	499	7.4	19.4	--	9.2	101
17	1520	10	700	499	7.4	19.4	--	9.2	100
17	1521	15	700	499	7.4	19.4	--	9.1	100
17	1521	19	700	499	7.4	19.4	--	9.1	100
17	1525	0.2	1,100	499	7.4	19.4	--	9.1	100
17	1525	2.8	1,100	499	7.4	19.4	--	9.2	101
17	1526	5.5	1,100	499	7.4	19.5	--	9.2	101
17	1527	10	1,100	499	7.4	19.4	--	9.1	101
17	1527	13	1,100	499	7.4	19.5	--	9.0	99
17	1605	1.2	1,500	499	7.5	19.4	--	9.1	99
17	1605	3.1	1,500	499	7.4	19.4	--	9.0	99
17	1606	5.1	1,500	500	7.4	19.4	--	9.0	99
17	1606	10	1,500	499	7.5	19.4	--	9.1	100
17	1607	14	1,500	502	7.5	19.5	--	9.0	98

Table 5. *Water-quality data for station 403045080370901, Ohio River at river mile 55.4, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	1331	0.3	700	429	7.4	27.9	--	7.9	103
11	1332	3.2	700	429	7.3	27.6	--	7.9	102
11	1333	8.3	700	429	7.3	27.5	--	7.8	101
11	1332	17	700	429	7.3	27.5	--	7.8	101
25	1354	0.3	700	427	7.6	30.4	--	7.5	102
25	1354	3.1	700	426	7.6	30.3	--	7.5	102
25	1355	9.2	700	428	7.5	29.9	--	7.2	97
25	1355	19	700	428	7.5	29.8	--	7.2	97
August									
08	0826	0.4	700	452	7.5	28.8	--	7.8	102
08	0826	3.1	700	452	7.5	28.9	--	7.8	103
08	0828	12	700	450	7.5	28.9	--	7.8	103
08	0827	23	700	448	7.5	28.8	--	7.7	101
22	1233	0.7	700	482	7.6	32.4	--	7.6	106
22	1233	3.4	700	482	7.6	32.4	--	7.6	107
22	1234	8.6	700	481	7.6	32.4	--	7.5	105
22	1234	17	700	482	7.6	32.3	--	7.4	103
September									
07	1556	0.2	700	480	8.3	29.6	--	8.5	114
07	1557	3.0	700	481	8.0	29.5	--	7.7	104
07	1559	10	700	481	7.8	29.3	--	7.3	97
07	1558	19	700	479	7.7	28.9	--	6.9	92
22	1318	0.9	700	492	7.4	24.6	--	7.9	96
22	1318	3.0	700	493	7.4	24.6	--	7.8	96
22	1319	8.6	700	493	7.4	24.6	--	7.9	96
22	1319	16	700	493	7.4	24.6	--	8.0	98
October									
03	1252	0.3	700	478	7.5	24.2	--	8.5	104
03	1253	3.0	700	478	7.5	24.1	--	8.5	103
03	1254	7.9	700	477	7.5	23.9	--	8.3	101
03	1253	16	700	476	7.5	23.8	--	8.3	101
17	1259	0.8	700	506	7.4	19.5	--	9.2	101
17	1300	3.3	700	507	7.4	19.5	--	9.2	101
17	1301	9.7	700	508	7.4	19.5	--	9.0	99
17	1300	20	700	504	7.4	19.5	--	9.0	99

Table 6. *Water-quality data for station 402930080363101, Ohio River at river mile 57.0, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	1336	0.4	700	428	7.4	28.3	--	8.1	107
11	1336	3.0	700	428	7.4	27.8	--	8.1	105
11	1338	10	700	426	7.4	27.4	--	7.9	102
11	1337	22	700	429	7.3	27.3	--	7.9	102
25	1359	0.4	700	426	7.6	30.1	--	7.6	103
25	1359	3.0	700	426	7.5	29.7	--	7.5	101
25	1400	13	700	426	7.5	29.6	--	7.3	99
25	1400	25	700	426	7.5	29.6	--	7.3	98
August									
08	0820	0.3	700	455	7.5	29.0	--	7.7	102
08	0820	3.2	700	454	7.5	29.0	--	7.8	103
08	0821	10	700	453	7.5	29.0	--	7.8	103
08	0821	22	700	456	7.5	29.0	--	7.7	102
22	1238	0.8	700	482	7.6	31.8	--	7.3	101
22	1238	3.3	700	482	7.6	31.8	--	7.2	100
22	1239	14	700	482	7.6	31.8	--	7.2	100
22	1239	27	700	482	7.6	31.8	--	7.3	101
September									
07	1602	0.2	700	480	8.0	29.1	--	7.8	103
07	1603	3.0	700	480	8.0	29.1	--	7.8	103
07	1606	9.4	700	481	7.9	29.1	--	7.6	102
07	1605	19	700	480	7.9	29.0	--	7.6	102
22	1310	1.1	700	494	7.4	24.2	--	8.1	98
22	1311	2.8	700	494	7.4	24.2	--	8.1	98
22	1312	7.0	700	492	7.4	24.3	--	7.9	96
22	1311	15	700	493	7.4	24.3	--	7.9	97
October									
03	1244	0.2	700	477	7.5	23.6	--	8.3	100
03	1244	2.9	700	475	7.5	23.6	--	8.3	100
03	1247	9.9	700	475	7.5	23.6	--	8.3	101
03	1245	19	700	474	7.5	23.6	--	8.4	101
17	1251	1.0	700	512	7.4	19.4	--	9.2	101
17	1251	3.1	700	513	7.4	19.4	--	9.2	101
17	1253	11	700	510	7.4	19.4	--	9.1	100
17	1252	20	700	515	7.4	19.4	--	9.1	100

Table 7. *Water-quality data for station 402654080361501, Ohio River at river mile 60.3, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	0817	0.4	400	411	7.4	26.3	--	7.7	98
11	0817	2.9	400	412	7.4	26.4	--	7.7	98
11	0818	5.1	400	410	7.4	26.3	--	7.7	97
11	0818	9.5	400	408	7.4	26.2	--	7.7	98
11	0819	14	400	406	7.4	26.1	--	7.7	97
11	0811	0.4	700	410	7.4	26.3	--	7.7	98
11	0811	2.8	700	412	7.4	26.4	--	7.8	98
11	0812	5.0	700	411	7.4	26.4	--	7.7	98
11	0812	9.5	700	413	7.4	26.4	--	7.7	98
11	0813	15	700	412	7.4	26.4	--	7.7	98
11	0813	20	700	415	7.4	26.4	--	7.7	98
11	0814	24	700	408	7.4	26.4	--	7.7	98
11	0814	30	700	409	7.4	26.4	--	7.7	98
11	0815	33	700	408	7.4	26.4	--	7.7	98
11	0821	0.3	1,000	410	7.4	26.4	--	7.8	99
11	0821	2.8	1,000	411	7.4	26.4	--	7.8	99
11	0822	5.0	1,000	410	7.4	26.4	--	7.8	98
11	0822	9.9	1,000	413	7.4	26.4	--	7.8	98
11	0823	15	1,000	410	7.4	26.3	--	7.7	98
11	0823	20	1,000	412	7.4	26.3	--	7.7	98
11	0824	25	1,000	413	7.4	26.3	--	7.7	98
11	0824	30	1,000	414	7.4	26.3	--	7.7	98
11	1417	0.5	400	422	7.4	28.3	--	8.0	105
11	1417	3.1	400	421	7.4	27.6	--	7.9	102
11	1418	5.3	400	420	7.3	27.3	--	7.7	99
11	1418	9.9	400	418	7.3	27.0	--	7.7	99
11	1419	15	400	418	7.3	26.9	--	7.6	98
11	1412	0.4	700	420	7.3	27.5	--	7.7	100
11	1412	3.1	700	422	7.3	27.4	2.5	7.7	100
11	1413	5.3	700	418	7.3	27.3	--	7.7	99
11	1413	9.8	700	419	7.3	27.2	--	7.6	98
11	1414	14	700	417	7.3	27.1	--	7.6	97

Table 7. *Water-quality data for station 402654080361501, Ohio River at river mile 60.3, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	1407	0.3	1,000	424	7.5	28.5	--	8.2	108
11	1407	3.2	1,000	419	7.4	27.7	--	8.0	104
11	1408	5.3	1,000	423	7.3	27.3	--	7.9	101
11	1408	9.8	1,000	418	7.3	27.1	--	7.7	99
11	1409	15	1,000	416	7.3	27.1	--	7.7	99
11	1409	20	1,000	422	7.3	27.1	--	7.7	98
11	1410	21	1,000	418	7.3	27.0	--	7.7	98
25	1518	0.5	400	422	7.4	29.4	--	7.2	96
25	1519	3.1	400	423	7.4	29.4	--	7.1	95
25	1519	5.0	400	423	7.4	29.4	--	7.1	94
25	1520	9.9	400	423	7.4	29.4	--	7.0	94
25	1520	14	400	423	7.4	29.3	--	7.0	93
25	1513	0.6	700	420	7.4	29.4	--	7.1	94
25	1514	3.1	700	421	7.4	29.4	2.5	7.1	95
25	1514	5.1	700	421	7.4	29.4	--	7.1	95
25	1515	9.8	700	420	7.4	29.4	--	7.1	94
25	1515	15	700	425	7.4	29.4	--	6.9	93
25	1516	17	700	424	7.4	29.3	--	6.9	93
25	1507	0.5	1,000	420	7.4	29.6	--	7.4	100
25	1507	3.0	1,000	421	7.4	29.6	--	7.4	99
25	1508	4.9	1,000	418	7.4	29.5	--	7.3	97
25	1509	9.9	1,000	419	7.4	29.4	--	7.1	95
25	1509	15	1,000	419	7.4	29.4	--	7.0	94
25	1510	20	1,000	426	7.4	29.4	--	7.0	94
August									
08	0620	0.2	400	473	7.5	28.6	--	7.8	102
08	0620	3.1	400	472	7.5	28.7	--	7.8	102
08	0621	5.0	400	473	7.5	28.7	--	7.7	102
08	0621	10	400	473	7.5	28.7	--	7.8	103
08	0622	14	400	471	7.5	28.7	--	7.7	101
08	0624	0.2	700	471	7.5	28.8	--	7.9	104
08	0624	3.3	700	470	7.5	28.9	--	7.8	103
08	0625	5.1	700	472	7.5	28.9	--	7.8	103
08	0625	10	700	473	7.5	28.9	--	7.8	102
08	0626	14	700	470	7.5	28.9	--	7.8	103

Table 7. *Water-quality data for station 402654080361501, Ohio River at river mile 60.3, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
August									
08	0628	0.4	1,000	467	7.5	29.1	--	7.9	105
08	0628	3.0	1,000	473	7.5	29.1	--	7.9	105
08	0629	5.5	1,000	473	7.5	29.2	--	7.8	103
08	0629	10	1,000	474	7.5	29.2	--	7.7	102
08	0630	15	1,000	474	7.5	29.2	--	7.5	100
08	0630	20	1,000	477	7.5	29.2	--	7.5	100
08	0631	25	1,000	476	7.5	29.2	--	7.5	100
08	0632	30	1,000	472	7.6	29.2	--	7.5	100
08	0631	35	1,000	473	7.5	29.2	--	7.6	101
08	1210	0.3	400	454	7.5	28.7	--	7.7	101
08	1210	3.2	400	454	7.5	28.7	--	7.5	99
08	1211	5.1	400	455	7.5	28.7	--	7.5	99
08	1211	10	400	455	7.5	28.7	--	7.5	99
08	1212	15	400	455	7.5	28.6	--	7.5	99
08	1214	0.3	700	454	7.6	28.8	--	7.7	101
08	1214	3.1	700	454	7.5	28.8	3.0	7.5	98
08	1215	5.2	700	454	7.5	28.8	--	7.4	98
08	1215	9.8	700	454	7.5	28.8	--	7.6	100
08	1216	15	700	454	7.5	28.8	--	7.5	99
08	1216	20	700	454	7.5	28.8	--	7.5	99
08	1217	23	700	454	7.5	28.8	--	7.5	98
08	1220	0.4	1,000	456	7.6	29.0	--	7.5	99
08	1220	3.3	1,000	456	7.5	29.0	--	7.5	98
08	1221	5.0	1,000	456	7.5	29.0	--	7.4	98
08	1221	9.7	1,000	455	7.5	29.0	--	7.6	100
08	1222	15	1,000	456	7.5	29.0	--	7.6	100
08	1222	20	1,000	456	7.5	29.0	--	7.6	100
08	1223	21	1,000	456	7.5	29.0	--	7.6	100
22	0643	0.5	400	485	7.6	30.6	--	7.2	98
22	0643	3.1	400	482	7.6	30.6	--	7.3	99
22	0644	5.0	400	487	7.6	30.6	--	7.1	97
22	0644	10	400	484	7.6	30.6	--	7.1	96
22	0645	14	400	483	7.6	30.5	--	7.0	95

Table 7. *Water-quality data for station 402654080361501, Ohio River at river mile 60.3, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
August									
22	0647	0.4	700	482	7.6	30.7	--	7.2	98
22	0647	3.1	700	483	7.6	30.7	--	7.1	97
22	0648	5.2	700	486	7.6	30.7	--	7.2	99
22	0648	10	700	486	7.6	30.7	--	7.1	96
22	0649	14	700	484	7.6	30.7	--	7.1	97
22	0651	0.8	1,000	485	7.6	30.7	--	7.3	99
22	0652	3.3	1,000	485	7.6	30.7	--	7.3	99
22	0652	5.2	1,000	485	7.6	30.7	--	7.3	99
22	0653	10	1,000	484	7.6	30.7	--	7.1	97
22	0653	15	1,000	482	7.6	30.7	--	7.1	96
22	0654	20	1,000	485	7.6	30.7	--	7.1	97
22	0654	21	1,000	483	7.6	30.6	--	7.1	96
22	1422	0.5	400	484	7.8	31.1	--	7.9	108
22	1422	3.3	400	483	7.8	31.1	--	7.8	106
22	1423	5.2	400	484	7.8	31.0	--	7.7	104
22	1423	9.8	400	485	7.7	30.9	--	7.4	101
22	1424	14	400	486	7.6	30.8	--	7.3	100
22	1417	0.3	700	484	7.8	31.1	--	7.8	107
22	1417	3.2	700	483	7.8	31.1	--	7.7	105
22	1418	4.9	700	484	7.7	31.0	3.5	7.7	105
22	1418	9.6	700	483	7.6	30.9	--	7.4	101
22	1419	15	700	484	7.6	30.9	--	7.3	99
22	1419	19	700	484	7.6	30.9	--	7.2	99
22	1420	21	700	484	7.6	30.8	--	7.2	98
22	1412	0.9	1,000	485	7.9	31.1	--	8.2	112
22	1412	3.2	1,000	486	7.9	31.0	--	8.1	110
22	1413	5.4	1,000	486	7.8	31.0	--	8.0	109
22	1413	9.6	1,000	483	7.7	30.9	--	7.4	101
22	1414	15	1,000	487	7.6	30.8	--	7.3	100
22	1414	20	1,000	483	7.6	30.8	--	7.3	99
22	1415	23	1,000	483	7.6	30.8	--	7.3	99
September									
07	1537	0.2	400	469	8.5	28.9	--	9.0	120
07	1537	3.0	400	468	8.5	28.9	--	8.9	118
07	1538	5.0	400	470	8.3	28.9	--	8.2	108
07	1538	10	400	472	8.1	28.8	--	8.1	107
07	1539	14	400	473	8.0	28.8	--	7.7	102

Table 7. *Water-quality data for station 402654080361501, Ohio River at river mile 60.3, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
September									
07	1531	0.2	700	470	8.4	28.9	--	8.5	114
07	1531	3.0	700	469	8.4	28.9	2.0	8.6	115
07	1532	5.0	700	468	8.3	28.9	--	8.4	112
07	1532	10	700	469	8.2	28.9	--	8.1	108
07	1533	15	700	472	8.0	28.8	--	7.7	103
07	1525	0.2	1,000	468	8.5	28.9	--	8.7	115
07	1525	3.0	1,000	471	8.4	28.9	--	8.6	115
07	1526	5.0	1,000	470	8.4	28.9	--	8.6	115
07	1526	10	1,000	470	8.1	28.8	--	7.8	103
07	1527	15	1,000	470	8.1	28.8	--	7.8	103
07	1527	20	1,000	468	8.1	28.8	--	7.8	103
07	1528	25	1,000	469	8.1	28.8	--	7.6	101
08	0622	0.2	400	481	7.7	28.7	--	7.0	93
08	0622	3.0	400	483	7.7	28.8	--	7.3	97
08	0623	5.0	400	485	7.7	28.8	--	7.3	96
08	0623	10	400	481	7.7	28.8	--	7.2	96
08	0624	15	400	480	7.7	28.8	--	7.1	94
08	0626	0.2	700	483	7.7	28.7	--	7.4	98
08	0626	3.0	700	482	7.7	28.8	--	7.4	98
08	0627	5.0	700	482	7.7	28.8	--	7.4	98
08	0627	10	700	483	7.7	28.8	--	7.2	96
08	0628	14	700	484	7.7	28.8	--	7.4	98
08	0630	0.2	1,000	480	7.8	28.6	--	7.5	99
08	0630	3.0	1,000	484	7.8	28.7	--	7.5	99
08	0631	5.0	1,000	478	7.8	28.7	--	7.5	99
08	0631	10	1,000	482	7.8	28.7	--	7.5	99
08	0632	13	1,000	485	7.8	28.7	--	7.5	99
22	1238	0.6	400	497	7.4	24.6	--	7.6	93
22	1238	2.7	400	497	7.4	24.6	--	7.6	92
22	1239	5.0	400	498	7.4	24.6	--	7.6	93
22	1239	9.9	400	498	7.4	24.6	--	7.5	92
22	1240	14	400	497	7.4	24.6	--	7.5	91

Table 7. *Water-quality data for station 402654080361501, Ohio River at river mile 60.3, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
September									
22	1244	1.3	700	499	7.4	24.7	--	7.5	92
22	1244	3.1	700	498	7.4	24.7	--	7.6	93
22	1245	5.2	700	500	7.4	24.7	--	7.6	93
22	1245	10	700	498	7.4	24.7	--	7.5	92
22	1246	15	700	496	7.4	24.7	--	7.5	92
22	1248	0.6	1,000	500	7.4	24.7	--	7.5	92
22	1248	3.1	1,000	496	7.4	24.7	--	7.5	92
22	1249	5.0	1,000	498	7.4	24.7	--	7.5	92
22	1249	9.6	1,000	501	7.4	24.7	--	7.5	92
22	1250	15	1,000	501	7.4	24.7	--	7.5	92
22	1250	20	1,000	499	7.4	24.6	--	7.5	92
October									
03	1219	0.5	400	476	7.5	23.2	--	8.4	100
03	1219	2.8	400	476	7.5	23.1	--	8.4	101
03	1220	5.1	400	475	7.5	23.1	--	8.4	101
03	1220	10	400	472	7.5	23.0	--	8.3	100
03	1221	14	400	481	7.5	23.0	--	8.3	100
03	1224	0.3	700	475	7.5	23.1	--	8.3	99
03	1224	2.7	700	477	7.5	23.1	--	8.4	100
03	1225	4.7	700	477	7.5	23.1	3.5	8.3	100
03	1225	9.4	700	478	7.5	23.0	--	8.4	100
03	1226	15	700	472	7.5	23.0	--	8.3	100
03	1226	19	700	479	7.5	23.0	--	8.4	100
03	1227	24	700	473	7.5	23.0	--	8.3	100
03	1227	30	700	481	7.5	23.0	--	8.3	99
03	1229	0.2	1,000	475	7.5	23.2	--	8.5	101
03	1229	2.9	1,000	476	7.5	23.2	--	8.4	100
03	1230	4.8	1,000	474	7.5	23.1	--	8.5	102
03	1231	9.5	1,000	474	7.5	23.0	--	8.4	100
03	1231	15	1,000	478	7.5	23.0	--	8.4	100
03	1232	20	1,000	477	7.5	23.0	--	8.4	100
03	1232	25	1,000	474	7.5	23.0	--	8.3	99
03	1233	29	1,000	477	7.5	23.0	--	8.3	99
17	1238	0.9	400	519	7.4	19.7	--	8.8	97
17	1238	3.2	400	519	7.4	19.7	--	8.8	97
17	1239	5.5	400	517	7.4	19.6	--	8.8	97
17	1239	10	400	520	7.4	19.6	--	8.9	97
17	1240	14	400	519	7.4	19.6	--	8.9	98

Table 7. *Water-quality data for station 402654080361501, Ohio River at river mile 60.3, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
October									
17	1231	0.6	700	519	7.4	19.7	--	8.8	97
17	1232	3.1	700	517	7.4	19.7	--	8.8	97
17	1232	5.0	700	518	7.4	19.7	3.5	8.8	97
17	1233	10	700	518	7.4	19.7	--	8.7	96
17	1233	15	700	518	7.4	19.7	--	8.7	96
17	1234	20	700	520	7.4	19.7	--	8.7	96
17	1235	25	700	517	7.4	19.7	--	8.7	96
17	1235	30	700	521	7.4	19.7	--	8.7	96
17	1236	32	700	522	7.4	19.7	--	8.7	96
17	1242	0.6	1,000	519	7.4	19.7	--	8.8	97
17	1242	3.2	1,000	519	7.4	19.7	--	8.7	96
17	1243	5.1	1,000	520	7.4	19.7	--	8.8	97
17	1243	10	1,000	518	7.4	19.7	--	8.8	96
17	1244	15	1,000	518	7.4	19.6	--	8.8	96
17	1244	20	1,000	520	7.4	19.6	--	8.8	96
17	1245	25	1,000	524	7.4	19.6	--	8.7	96

Table 8. *Water-quality data for station 402619080362201, Ohio River at river mile 61.0, main channel, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	1424	0.3	400	421	7.4	28.2	--	7.9	104
11	1424	3.2	400	418	7.4	27.3	--	7.8	101
11	1425	5.7	400	421	7.3	27.1	--	7.6	97
11	1425	15	400	420	7.3	26.9	--	7.6	97
25	1524	0.5	400	421	7.4	29.4	--	7.2	96
25	1525	3.0	400	423	7.4	29.4	--	7.2	96
25	1526	7.2	400	423	7.4	29.4	--	7.1	95
25	1525	14	400	424	7.4	29.3	--	7.1	95
August									
08	1234	0.5	400	454	7.6	28.8	--	7.7	101
08	1234	3.3	400	453	7.5	28.8	--	7.5	98
08	1235	7.4	400	454	7.5	28.8	--	7.5	99
08	1235	15	400	456	7.5	28.8	--	7.5	99
22	1426	0.5	400	485	7.8	30.7	--	7.8	107
22	1427	3.2	400	484	7.8	30.8	--	7.8	105
22	1428	7.2	400	486	7.7	30.8	--	7.6	104
22	1427	15	400	485	7.7	30.7	--	7.5	102
September									
07	1512	0.2	400	468	8.4	28.9	--	8.4	112
07	1513	3.0	400	467	8.2	28.9	--	8.0	106
07	1515	7.9	400	466	7.9	28.8	--	7.3	96
07	1514	15	400	466	7.9	28.8	--	7.2	95
22	1141	0.5	400	494	7.4	24.5	--	8.3	101
22	1141	3.0	400	495	7.4	24.5	--	8.2	101
22	1143	6.8	400	495	7.4	24.5	--	8.3	101
22	1142	14	400	495	7.4	24.5	--	8.2	101
October									
03	1214	0.2	400	474	7.5	22.8	--	8.2	98
03	1214	3.0	400	476	7.5	22.8	--	8.2	98
03	1215	7.5	400	476	7.5	22.8	--	8.3	98
03	1215	15	400	476	7.5	22.8	--	8.2	97
17	1227	0.9	400	520	7.4	19.7	--	8.8	97
17	1227	3.1	400	519	7.4	19.7	--	8.8	97
17	1228	7.5	400	522	7.4	19.7	--	8.7	96
17	1228	14	400	518	7.4	19.7	--	8.7	96

Table 9. *Water-quality data for station 402620080364201, Ohio River at river mile 61.0, back channel, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	1428	0.3	2,000	419	7.3	27.1	--	7.8	100
11	1428	3.2	2,000	419	7.3	27.1	--	7.8	100
11	1429	4.0	2,000	420	7.3	27.1	--	7.8	100
11	1429	8.9	2,000	420	7.3	27.1	--	7.8	100
25	1535	0.6	2,000	421	7.4	29.4	--	7.1	95
25	1535	3.0	2,000	421	7.4	29.4	--	7.1	94
25	1537	5.6	2,000	421	7.4	29.3	--	7.1	95
25	1536	11	2,000	423	7.4	29.3	--	7.0	94
August									
08	1228	0.8	2,000	457	7.6	29.0	--	7.6	100
08	1228	3.1	2,000	456	7.5	29.0	--	7.4	97
08	1230	4.3	2,000	456	7.5	29.0	--	7.3	97
08	1229	7.5	2,000	453	7.5	29.0	--	7.5	99
22	1430	0.3	2,000	483	7.8	30.8	--	7.7	105
22	1431	2.9	2,000	485	7.8	30.8	--	7.9	107
22	1432	4.6	2,000	484	7.8	30.8	--	7.6	103
22	1431	10	2,000	483	7.7	30.8	--	7.7	105
September									
07	1518	0.2	2,000	468	8.1	28.8	--	7.9	104
07	1519	3.0	2,000	468	8.1	28.9	--	7.8	104
07	1521	4.5	2,000	469	8.1	28.8	--	7.8	104
07	1520	9.1	2,000	470	8.1	28.8	--	7.7	102
22	1136	0.9	2,000	501	7.4	24.5	--	8.2	100
22	1136	3.1	2,000	496	7.4	24.5	--	8.3	101
22	1138	3.4	2,000	501	7.4	24.5	--	8.2	100
22	1137	7.0	2,000	499	7.4	24.5	--	8.2	101
October									
03	1209	0.2	2,000	475	7.5	22.8	--	8.3	99
03	1210	2.9	2,000	476	7.5	22.8	--	8.2	97
03	1211	6.1	2,000	476	7.5	22.8	--	8.3	99
03	1210	12	2,000	477	7.5	22.8	--	8.3	98
17	1222	0.9	2,000	520	7.4	19.6	--	8.8	97
17	1223	3.1	2,000	519	7.4	19.7	--	8.7	96
17	1224	5.6	2,000	520	7.4	19.6	--	8.7	96
17	1223	12	2,000	519	7.4	19.6	--	8.7	96

Table 10. *Water-quality data for station 402426080362901, Ohio River at river mile 63.2, main channel, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	1448	0.3	500	418	7.4	26.9	--	7.8	100
11	1448	3.1	500	416	7.4	26.9	--	7.8	100
11	1449	8.6	500	418	7.4	27.0	--	7.8	100
11	1449	18	500	417	7.3	26.8	--	7.8	99
25	1549	0.6	500	422	7.6	29.9	--	7.5	101
25	1550	3.1	500	423	7.6	29.8	--	7.5	101
25	1551	8.4	500	426	7.5	29.6	--	7.3	97
25	1550	17	500	424	7.5	29.6	--	7.2	96
August									
08	1242	0.2	500	436	7.6	28.8	--	7.7	101
08	1243	3.1	500	458	7.6	28.8	--	7.5	98
08	1244	9.6	500	459	7.5	28.9	--	7.4	98
08	1243	19	500	456	7.5	28.9	--	7.5	99
22	1449	0.5	500	488	8.2	30.8	--	8.9	121
22	1450	3.3	500	486	8.1	30.8	--	8.6	117
22	1451	8.1	500	490	7.9	30.6	--	8.2	111
22	1450	17	500	491	7.8	30.6	--	8.0	108
September									
07	1506	0.2	500	475	8.4	29.6	--	8.4	112
07	1507	3.0	500	476	8.4	29.7	--	8.2	111
07	1509	15	500	469	7.9	29.2	--	6.9	92
07	1508	30	500	480	7.9	29.2	--	6.9	92
22	1120	0.6	500	496	7.5	24.3	--	8.1	98
22	1121	3.0	500	496	7.5	24.3	--	8.1	99
22	1122	10	500	503	7.5	24.3	--	8.2	100
22	1121	20	500	497	7.4	24.3	--	8.1	99
October									
03	1158	0.2	500	482	7.6	23.0	--	8.1	97
03	1158	2.9	500	483	7.6	23.0	--	8.0	96
03	1200	7.9	500	483	7.6	23.0	--	8.2	98
03	1159	16	500	483	7.6	23.0	--	8.1	97
17	1212	0.8	500	536	7.5	19.9	--	8.7	97
17	1212	3.4	500	526	7.4	19.7	--	8.7	96
17	1214	9.2	500	528	7.4	19.6	--	8.6	95
17	1213	19	500	523	7.4	19.6	--	8.6	95

Table 11. *Water-quality data for station 402428080364601, Ohio River at river mile 63.2, back channel, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	1434	0.3	1,800	417	7.5	27.3	--	8.3	106
11	1435	2.9	1,800	417	7.5	27.3	--	8.4	108
11	1436	12	1,800	414	7.3	25.9	--	7.6	96
11	1435	23	1,800	417	7.3	25.9	--	7.5	94
25	1544	0.4	1,800	421	7.6	29.7	--	7.9	107
25	1544	2.9	1,800	421	7.6	29.7	--	7.9	106
25	1546	13	1,800	421	7.4	28.8	--	6.8	89
25	1546	26	1,800	418	7.4	28.7	--	6.6	87
August									
08	1249	0.8	1,800	461	7.6	28.9	--	7.4	97
08	1249	3.2	1,800	461	7.5	28.9	--	7.3	97
08	1250	14	1,800	462	7.5	28.9	--	7.3	96
08	1250	28	1,800	463	7.5	28.9	--	7.3	96
22	1446	0.5	1,800	486	8.2	30.1	--	9.2	124
22	1446	3.3	1,800	486	8.2	30.1	--	9.2	124
22	1447	12	1,800	487	8.0	29.9	--	8.4	113
22	1447	26	1,800	487	7.8	29.7	--	7.8	104
September									
07	1500	0.2	1,800	469	8.6	28.8	--	9.2	122
07	1501	3.0	1,800	466	8.5	28.6	--	8.9	118
07	1503	7.2	1,800	469	8.3	28.4	--	8.1	107
07	1502	13	1,800	471	8.2	28.4	--	8.0	106
22	1126	1.1	1,800	499	7.4	24.0	--	7.9	96
22	1126	3.0	1,800	496	7.4	24.0	--	7.9	96
22	1130	16	1,800	505	7.4	24.0	--	7.9	96
22	1128	34	1,800	503	7.4	24.0	--	7.9	95
October									
03	1202	0.2	1,800	477	7.5	22.3	--	8.2	97
03	1203	2.9	1,800	479	7.5	22.2	--	8.0	94
03	1204	14	1,800	480	7.5	22.2	--	8.1	95
03	1203	28	1,800	480	7.5	22.2	--	7.9	93
17	1216	0.8	1,800	522	7.4	19.0	--	8.9	96
17	1216	3.4	1,800	522	7.4	18.9	--	8.6	94
17	1217	15	1,800	520	7.4	18.8	--	8.6	93
17	1217	29	1,800	525	7.4	18.8	--	8.6	93

Table 12. *Water-quality data for station 402329080375901, Ohio River at river mile 65.0, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	1454	0.3	600	413	7.5	27.2	--	8.1	104
11	1454	3.2	600	415	7.5	27.2	--	8.1	105
11	1455	20	600	413	7.3	26.2	--	7.7	97
11	1455	39	600	413	7.3	26.2	--	7.7	97
25	1555	0.7	600	425	7.6	30.0	--	7.7	103
25	1555	3.1	600	424	7.6	29.7	--	7.4	99
25	1556	20	600	422	7.5	29.1	--	6.9	92
25	1556	41	600	419	7.5	29.1	--	6.8	91
August									
08	1317	0.3	600	462	7.6	28.9	--	7.4	98
08	1317	3.0	600	464	7.6	28.9	--	7.5	98
08	1319	19	600	467	7.5	28.9	--	7.4	97
08	1318	38	600	460	7.5	28.8	--	7.2	95
22	1454	0.4	600	489	8.3	30.7	--	9.1	124
22	1455	3.4	600	490	8.2	30.7	--	8.8	120
22	1457	20	600	491	7.9	30.6	--	8.0	109
22	1456	43	600	492	7.9	30.5	--	8.1	110
September									
07	1451	0.2	600	471	8.5	28.9	--	8.9	118
07	1452	3.0	600	472	8.3	28.8	--	8.5	114
07	1454	15	600	474	8.1	28.8	--	7.7	102
07	1453	30	600	467	7.9	28.7	--	7.4	99
22	1113	0.7	600	503	7.4	24.4	--	7.9	97
22	1114	3.0	600	507	7.4	24.4	--	7.9	96
22	1115	21	600	508	7.4	24.4	--	7.9	96
22	1114	41	600	513	7.4	24.3	--	7.8	96
October									
03	1150	1.0	600	488	7.5	22.8	--	7.9	94
03	1150	2.7	600	488	7.5	22.8	--	7.9	94
03	1152	19	600	488	7.5	22.8	--	8.0	95
03	1151	37	600	485	7.5	22.8	--	7.9	94
17	1206	0.6	600	524	7.4	19.3	--	8.7	95
17	1206	3.5	600	523	7.4	19.1	--	8.6	94
17	1208	20	600	521	7.4	18.9	--	8.6	93
17	1207	39	600	520	7.4	18.9	--	8.5	92

Table 13. *Water-quality data for station 402246080364601, Ohio River at river mile 66.4, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	1501	0.3	600	411	7.4	26.4	--	7.8	98
11	1501	3.0	600	411	7.4	26.4	--	7.8	99
11	1502	5.1	600	412	7.4	26.4	--	7.8	99
11	1502	9.8	600	413	7.4	26.4	--	7.8	98
11	1503	15	600	414	7.4	26.3	--	7.8	98
11	1503	20	600	411	7.4	26.3	--	7.8	98
11	1504	25	600	414	7.4	26.3	--	7.7	98
11	1504	29	600	411	7.3	26.3	--	7.7	97
25	1601	0.3	600	404	7.5	29.2	--	7.1	95
25	1601	2.6	600	420	7.5	29.2	--	7.1	95
25	1602	5.1	600	420	7.5	29.2	--	7.1	95
25	1602	10	600	420	7.5	29.2	--	7.1	94
25	1603	15	600	421	7.5	29.1	--	7.0	93
25	1603	20	600	421	7.5	29.1	--	7.0	93
25	1604	25	600	421	7.5	29.1	--	7.0	93
25	1604	29	600	421	7.5	29.1	--	7.0	93
August									
08	1324	0.2	600	464	7.6	28.8	--	7.3	96
08	1324	3.2	600	465	7.6	28.8	--	7.2	95
08	1325	5.4	600	466	7.6	28.8	--	7.2	95
08	1325	9.7	600	466	7.5	28.8	--	7.2	95
08	1326	14	600	463	7.5	28.8	--	7.3	96
08	1326	20	600	462	7.5	28.8	--	7.2	95
08	1327	25	600	464	7.5	28.8	--	7.2	95
08	1328	30	600	460	7.5	28.8	--	7.3	95
22	1502	0.4	600	492	8.0	30.6	--	8.3	113
22	1502	3.4	600	493	8.0	30.6	--	8.3	112
22	1503	5.6	600	493	8.0	30.6	--	8.2	111
22	1503	11	600	493	8.0	30.6	--	8.2	111
22	1504	15	600	493	8.0	30.6	--	8.1	110
22	1504	20	600	493	7.9	30.6	--	8.1	109
22	1505	25	600	493	7.9	30.6	--	8.0	108
22	1505	30	600	493	7.9	30.6	--	7.9	107
September									
07	1442	0.2	600	471	8.2	28.6	--	8.0	106
07	1442	3.0	600	470	8.2	28.6	--	8.0	106
07	1443	5.0	600	471	8.2	28.6	--	7.9	105
07	1443	10	600	472	8.1	28.6	--	7.8	103
07	1444	15	600	471	8.1	28.5	--	7.6	100
07	1445	20	600	468	8.0	28.5	--	7.5	99
07	1445	25	600	474	8.0	28.5	--	7.5	99
07	1446	30	600	473	8.0	28.4	--	7.3	97

Table 13. *Water-quality data for station 402246080364601, Ohio River at river mile 66.4, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
September									
22	1103	0.9	600	506	7.4	24.4	--	7.8	95
22	1103	3.3	600	506	7.4	24.4	--	7.7	94
22	1104	5.0	600	506	7.4	24.4	--	7.8	95
22	1105	9.7	600	506	7.4	24.4	--	7.7	95
22	1105	15	600	506	7.4	24.4	--	7.7	94
22	1106	20	600	506	7.4	24.4	--	7.7	94
22	1106	25	600	507	7.4	24.4	--	7.7	94
22	1107	30	600	507	7.4	24.4	--	7.7	94
October									
03	1144	0.2	600	483	7.6	22.7	--	8.0	95
03	1144	2.8	600	489	7.6	22.8	--	7.9	94
03	1145	4.8	600	488	7.5	22.8	--	8.0	95
03	1145	9.8	600	490	7.5	22.8	--	7.9	94
03	1146	15	600	491	7.5	22.8	--	7.9	94
03	1146	20	600	488	7.5	22.8	--	7.9	94
03	1147	24	600	492	7.5	22.8	--	7.9	94
17	1158	1.0	600	522	7.4	19.0	--	8.4	91
17	1158	3.3	600	522	7.4	19.0	--	8.5	92
17	1159	5.2	600	522	7.4	19.0	--	8.4	92
17	1159	10	600	522	7.4	19.0	--	8.5	92
17	1200	15	600	521	7.4	19.0	--	8.5	92
17	1200	20	600	522	7.4	19.0	--	8.5	93
17	1201	25	600	522	7.4	19.0	--	8.5	93
17	1201	30	600	520	7.4	19.0	--	8.5	92

Table 14. *Water-quality data for station 402213080362401, Ohio River at river mile 67.1, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	1508	0.7	500	411	7.6	27.0	--	8.5	108
11	1508	3.0	500	411	7.5	26.6	--	8.2	105
11	1510	15	500	414	7.4	26.3	--	7.8	99
11	1509	28	500	408	7.4	26.2	--	7.7	97
25	1607	0.5	500	430	7.6	29.5	--	7.2	96
25	1607	3.0	500	423	7.6	29.3	--	7.2	96
25	1608	13	500	421	7.5	29.1	--	7.0	93
25	1608	27	500	421	7.5	29.1	--	6.8	91
August									
08	1331	0.3	500	464	7.6	28.7	--	7.4	97
08	1332	3.4	500	463	7.5	28.8	--	7.3	96
08	1333	14	500	462	7.5	28.8	--	7.2	95
08	1332	29	500	464	7.5	28.8	--	7.2	95
22	1507	0.4	500	493	8.1	30.6	--	8.7	118
22	1507	3.1	500	494	8.1	30.6	--	8.6	117
22	1509	14	500	494	7.9	30.6	--	8.2	111
22	1508	28	500	495	7.8	30.6	--	7.6	103
September									
07	1432	0.2	500	477	8.3	28.6	--	8.7	115
07	1433	3.0	500	476	8.3	28.7	--	8.5	113
07	1435	14	500	469	8.1	28.5	--	7.8	103
07	1434	28	500	480	7.9	28.4	--	7.4	98
22	1057	0.6	500	508	7.5	24.4	--	7.8	95
22	1057	3.1	500	508	7.5	24.5	--	7.8	95
22	1059	14	500	509	7.4	24.5	--	7.6	94
22	1058	29	500	509	7.4	24.5	--	7.6	93
October									
03	1138	0.2	500	491	7.6	23.0	--	7.9	95
03	1139	2.9	500	492	7.6	23.0	--	7.8	93
03	1140	14	500	493	7.6	22.9	--	7.9	94
03	1139	29	500	490	7.6	22.9	--	7.8	93
17	1152	0.8	500	521	7.4	19.0	--	8.6	93
17	1152	3.7	500	522	7.4	19.0	--	8.6	93
17	1154	14	500	520	7.4	18.9	--	8.5	92
17	1153	30	500	522	7.4	18.9	--	8.4	91

Table 15. *Water-quality data for station 402051080363901, Ohio River at river mile 68.7, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	1514	0.6	500	414	7.8	27.5	--	9.1	118
11	1514	3.0	500	413	7.8	27.4	--	9.1	118
11	1516	10	500	415	7.4	26.2	--	7.9	99
11	1515	20	500	413	7.4	26.2	--	7.8	98
25	1612	0.5	500	422	7.7	29.3	--	7.8	104
25	1612	2.9	500	422	7.7	29.3	--	7.8	104
25	1613	12	500	423	7.5	29.0	--	7.1	94
25	1613	21	500	423	7.5	28.9	--	6.8	91
August									
08	1336	0.7	500	467	7.6	28.6	--	7.2	95
08	1337	2.8	500	468	7.5	28.6	--	7.2	94
08	1338	12	500	466	7.5	28.6	--	7.2	94
08	1337	23	500	467	7.5	28.6	--	7.1	93
22	1512	0.5	500	498	8.1	30.7	--	8.5	115
22	1513	2.4	500	498	8.1	30.7	--	8.6	116
22	1514	14	500	499	7.9	30.7	--	8.1	110
22	1513	24	500	499	7.8	30.7	--	7.8	106
September									
07	1423	0.2	500	475	8.3	28.8	--	8.3	111
07	1424	3.0	500	475	8.3	28.8	--	8.4	111
07	1426	10	500	476	8.1	28.7	--	7.7	102
07	1425	22	500	475	7.9	28.5	--	7.3	97
22	1049	1.0	500	513	7.5	24.4	--	7.6	93
22	1050	3.1	500	512	7.5	24.4	--	7.6	93
22	1051	11	500	515	7.5	24.4	--	7.5	92
22	1050	22	500	512	7.4	24.4	--	7.6	92
October									
03	1132	0.9	500	495	7.5	22.8	--	7.8	93
03	1133	3.0	500	494	7.5	22.8	--	7.8	93
03	1134	11	500	495	7.5	22.7	--	7.7	92
03	1133	22	500	498	7.5	22.7	--	7.7	91
17	1146	0.8	500	525	7.4	19.0	--	8.4	92
17	1146	2.9	500	522	7.4	19.0	--	8.4	92
17	1148	12	500	520	7.4	18.8	--	8.4	91
17	1147	23	500	527	7.4	18.8	--	8.3	90

Table 16. *Water-quality data for station 401838080360701, Ohio River at river mile 71.4, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	0559	0.3	300	408	7.5	26.5	--	7.6	97
11	0559	3.0	300	409	7.5	26.5	--	7.6	96
11	0600	5.0	300	411	7.5	26.5	--	7.5	96
11	0600	10	300	410	7.5	26.5	--	7.6	96
11	0601	15	300	411	7.5	26.5	--	7.6	96
11	0602	20	300	410	7.5	26.5	--	7.6	96
11	0602	25	300	409	7.5	26.5	--	7.6	96
11	0603	29	300	412	7.5	26.5	--	7.6	96
11	0605	0.4	600	407	7.5	26.5	--	7.6	97
11	0605	3.0	600	409	7.5	26.5	--	7.6	97
11	0606	5.0	600	410	7.5	26.5	--	7.6	97
11	0606	10	600	410	7.5	26.6	--	7.6	97
11	0607	15	600	409	7.5	26.6	--	7.6	97
11	0607	20	600	410	7.5	26.5	--	7.6	97
11	0608	25	600	406	7.5	26.5	--	7.6	97
11	0608	29	600	404	7.5	26.5	--	7.6	97
11	0610	0.2	900	410	7.5	26.8	--	7.6	97
11	0610	3.0	900	408	7.5	26.7	--	7.6	97
11	0611	4.8	900	410	7.5	26.8	--	7.6	97
11	0611	9.8	900	411	7.5	26.6	--	7.6	97
11	0612	15	900	407	7.5	26.5	--	7.6	97
11	0612	20	900	407	7.5	26.5	--	7.6	97
11	0613	21	900	413	7.5	26.5	--	7.6	97
11	1528	0.4	300	417	8.0	28.3	--	9.2	120
11	1528	3.2	300	415	7.8	27.7	--	8.7	113
11	1529	5.6	300	415	7.6	27.1	--	8.2	105
11	1530	9.9	300	417	7.4	26.4	--	7.6	97
11	1530	15	300	418	7.4	26.3	--	7.5	95
11	1531	20	300	417	7.4	26.3	--	7.5	95
11	1531	25	300	418	7.4	26.3	--	7.5	94
11	1532	27	300	417	7.4	26.3	--	7.4	94
11	1523	0.5	600	416	7.9	28.1	--	9.0	117
11	1523	2.9	600	416	7.9	28.2	2.5	9.1	119
11	1524	5.4	600	416	7.7	27.6	--	8.8	114
11	1524	9.9	600	416	7.7	27.4	--	8.7	112
11	1525	15	600	418	7.4	26.3	--	7.6	96
11	1525	20	600	416	7.4	26.3	--	7.6	95
11	1526	25	600	415	7.4	26.3	--	7.5	95
11	1526	29	600	419	7.4	26.3	--	7.5	94

Table 16. *Water-quality data for station 401838080360701, Ohio River at river mile 71.4, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	1534	0.3	900	419	7.5	27.4	--	7.8	100
11	1534	3.1	900	419	7.5	27.3	--	7.9	102
11	1535	5.3	900	418	7.5	26.9	--	7.9	101
11	1535	9.9	900	417	7.4	26.5	--	7.8	98
11	1536	15	900	417	7.4	26.4	--	7.7	97
11	1537	20	900	417	7.4	26.3	--	7.6	96
11	1537	21	900	417	7.4	26.3	--	7.5	95
25	1630	0.4	300	421	7.8	29.9	--	8.0	109
25	1630	2.9	300	421	7.8	30.0	--	8.0	109
25	1631	4.9	300	420	7.8	30.0	--	7.8	106
25	1631	9.9	300	424	7.6	29.3	--	7.3	97
25	1632	15	300	423	7.6	29.3	--	7.2	96
25	1632	20	300	421	7.5	29.1	--	7.0	93
25	1633	24	300	422	7.5	29.1	--	6.9	92
25	1633	27	300	422	7.5	29.1	--	6.9	92
25	1620	0.5	600	424	7.7	29.9	--	7.6	102
25	1620	3.2	600	424	7.7	29.8	--	7.6	102
25	1621	5.1	600	424	7.7	29.8	--	7.6	103
25	1621	8.8	600	424	7.7	29.7	--	7.4	100
25	1622	13	600	423	7.5	29.2	--	6.8	91
25	1622	20	600	423	7.5	29.0	--	6.7	88
25	1623	25	600	423	7.5	29.0	--	6.6	87
25	1623	30	600	423	7.5	28.9	--	6.5	87
25	1625	0.2	900	424	7.6	29.7	--	7.1	96
25	1625	2.4	900	425	7.6	29.7	--	7.1	95
25	1626	4.6	900	424	7.6	29.6	--	7.0	94
25	1626	10	900	424	7.5	29.2	--	6.8	90
25	1627	15	900	424	7.5	29.1	--	6.7	89
25	1627	20	900	423	7.5	29.1	--	6.7	89
25	1628	24	900	423	7.5	29.0	--	6.7	89
August									
08	0547	0.3	300	481	7.5	28.8	--	7.3	96
08	0547	3.1	300	480	7.5	28.8	--	7.2	95
08	0548	5.5	300	480	7.5	28.8	--	7.3	96
08	0548	11	300	478	7.5	28.8	--	7.3	96
08	0549	15	300	479	7.5	28.8	--	7.3	96
08	0550	20	300	481	7.5	28.8	--	7.4	97
08	0550	26	300	482	7.5	28.8	--	7.2	95
08	0551	28	300	483	7.5	28.8	--	7.4	97

Table 16. *Water-quality data for station 401838080360701, Ohio River at river mile 71.4, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
August									
08	0554	0.5	600	477	7.5	28.9	--	7.5	99
08	0554	3.2	600	478	7.5	28.9	--	7.4	97
08	0555	5.4	600	479	7.5	28.9	--	7.4	98
08	0555	10	600	478	7.5	28.8	--	7.2	95
08	0556	15	600	476	7.5	28.8	--	7.4	97
08	0556	20	600	479	7.5	28.8	--	7.3	96
08	0557	25	600	472	7.5	28.8	--	7.3	96
08	0557	30	600	472	7.5	28.8	--	7.4	98
08	0559	0.2	900	478	7.5	28.9	--	7.3	97
08	0559	3.3	900	478	7.5	28.9	--	7.3	96
08	0600	5.4	900	479	7.5	28.9	--	7.3	97
08	0600	10	900	477	7.5	28.9	--	7.4	97
08	0601	15	900	473	7.5	28.9	--	7.4	97
08	0601	20	900	479	7.5	28.9	--	7.4	97
08	0602	25	900	473	7.5	28.9	--	7.4	97
08	0602	26	900	481	7.5	28.9	--	7.3	96
08	1356	0.4	300	472	7.6	28.5	--	7.2	95
08	1356	3.2	300	473	7.5	28.6	--	7.0	92
08	1357	5.2	300	473	7.5	28.6	--	7.0	92
08	1357	9.8	300	471	7.5	28.6	--	6.9	91
08	1358	15	300	470	7.5	28.6	--	6.9	91
08	1358	20	300	470	7.5	28.6	--	6.9	91
08	1359	25	300	476	7.5	28.6	--	7.0	92
08	1359	27	300	469	7.5	28.6	--	7.0	91
08	1346	0.7	600	468	7.7	28.7	--	7.3	95
08	1346	3.1	600	469	7.6	28.6	--	7.1	94
08	1347	5.1	600	469	7.6	28.7	3.5	7.1	93
08	1347	9.9	600	469	7.6	28.6	--	7.0	92
08	1348	15	600	469	7.5	28.6	--	7.0	92
08	1348	20	600	469	7.5	28.6	--	7.0	92
08	1349	25	600	469	7.5	28.6	--	7.0	92
08	1349	29	600	470	7.5	28.6	--	7.1	92
08	1351	0.4	900	469	7.5	29.1	--	7.0	93
08	1351	3.2	900	470	7.5	29.0	--	6.9	91
08	1352	5.0	900	469	7.5	29.0	--	6.9	91
08	1352	9.7	900	469	7.5	28.9	--	7.0	92
08	1353	15	900	469	7.5	28.7	--	6.9	91
08	1353	20	900	467	7.5	28.7	--	6.9	91
08	1354	24	900	466	7.5	28.7	--	7.1	93

Table 16. *Water-quality data for station 401838080360701, Ohio River at river mile 71.4, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
August									
22	0613	0.9	300	512	7.8	30.7	--	7.2	98
22	0613	3.2	300	513	7.8	30.7	--	7.2	98
22	0614	5.1	300	513	7.8	30.7	--	7.2	99
22	0614	9.8	300	515	7.8	30.7	--	7.1	97
22	0615	15	300	515	7.8	30.7	--	7.2	99
22	0615	20	300	512	7.8	30.7	--	7.1	98
22	0616	25	300	516	7.8	30.7	--	7.0	96
22	0616	27	300	514	7.8	30.7	--	7.1	96
22	0618	0.9	600	516	7.8	30.8	--	7.2	99
22	0618	3.0	600	518	7.8	30.9	--	7.2	98
22	0619	5.1	600	515	7.8	30.9	--	7.2	98
22	0619	10	600	514	7.8	30.8	--	7.2	99
22	0620	15	600	514	7.8	30.7	--	7.2	98
22	0620	20	600	516	7.8	30.7	--	7.2	98
22	0621	25	600	513	7.7	30.7	--	7.2	98
22	0621	28	600	513	7.7	30.7	--	7.1	97
22	0623	0.4	900	513	7.8	30.8	--	7.2	98
22	0623	3.2	900	513	7.8	30.9	--	7.1	98
22	0624	5.2	900	517	7.8	30.9	--	7.2	98
22	0624	9.8	900	514	7.8	30.9	--	7.2	98
22	0625	15	900	516	7.8	30.8	--	7.2	99
22	0625	20	900	514	7.7	30.7	--	7.2	98
22	0626	25	900	513	7.7	30.7	--	7.2	98
22	1527	0.5	300	509	8.2	30.8	--	8.6	117
22	1527	3.1	300	509	8.2	30.8	--	8.6	116
22	1528	5.5	300	509	8.2	30.8	--	8.7	118
22	1528	9.8	300	509	8.1	30.8	--	8.5	115
22	1529	15	300	510	8.1	30.7	--	8.3	113
22	1530	19	300	511	7.9	30.7	--	8.0	108
22	1530	26	300	512	7.9	30.6	--	7.9	107
22	1531	28	300	512	7.9	30.6	--	7.8	106
22	1521	0.3	600	513	8.0	31.1	--	7.9	108
22	1521	3.2	600	513	8.0	31.1	--	8.1	110
22	1522	4.3	600	511	8.0	31.0	3.5	8.1	110
22	1522	8.7	600	511	8.0	30.7	--	8.2	111
22	1523	17	600	510	8.0	30.7	--	8.2	111
22	1524	21	600	513	7.9	30.7	--	7.9	107
22	1524	24	600	520	7.8	30.6	--	7.7	104
22	1525	27	600	543	7.7	30.2	--	7.0	95

Table 16. *Water-quality data for station 401838080360701, Ohio River at river mile 71.4, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
August									
22	1533	0.5	900	513	7.8	31.0	--	7.9	107
22	1533	3.0	900	511	7.9	30.8	--	7.7	105
22	1534	4.9	900	511	7.9	30.8	--	7.7	104
22	1535	10	900	511	7.9	30.7	--	7.7	105
22	1535	15	900	516	7.8	30.7	--	7.7	104
22	1536	20	900	510	7.8	30.7	--	7.7	104
22	1536	24	900	510	7.8	30.7	--	7.7	104
September									
07	1401	0.2	300	484	8.1	29.0	--	7.7	102
07	1401	3.0	300	483	8.1	29.0	--	7.7	102
07	1402	5.0	300	483	8.1	29.0	--	7.7	103
07	1402	10	300	482	8.2	28.9	--	7.9	104
07	1403	15	300	480	8.2	28.7	--	7.9	105
07	1403	20	300	479	8.1	28.5	--	7.8	104
07	1404	25	300	480	8.1	28.5	--	7.8	102
07	1405	27	300	480	8.1	28.4	--	7.4	97
07	1407	0.2	600	483	8.1	28.9	--	7.7	102
07	1407	3.0	600	482	8.1	28.9	--	7.7	102
07	1408	5.0	600	483	8.1	28.8	--	7.8	103
07	1408	10	600	482	8.1	28.8	--	7.8	103
07	1409	15	600	480	8.2	28.6	--	7.8	103
07	1409	20	600	488	8.1	28.5	--	7.7	101
07	1410	25	600	480	8.0	28.4	--	7.3	96
07	1410	29	600	481	7.9	28.4	--	7.1	93
07	1414	0.2	900	484	8.1	28.8	--	7.7	102
07	1414	3.0	900	485	8.1	28.8	--	7.7	102
07	1415	5.0	900	483	8.1	28.8	--	7.6	101
07	1415	10	900	483	8.1	28.6	--	7.6	101
07	1416	15	900	481	8.1	28.5	--	7.7	101
07	1416	20	900	482	8.0	28.4	--	7.5	99
07	1417	25	900	482	8.0	28.4	--	7.5	98
07	1417	29	900	482	8.0	28.4	--	7.2	95
08	0540	1.0	300	476	7.9	28.3	--	7.6	100
08	0540	2.9	300	471	7.9	28.3	--	7.6	100
08	0541	5.5	300	472	7.9	28.3	--	7.5	98
08	0541	9.6	300	474	7.9	28.3	--	7.6	99
08	0542	15	300	474	7.9	28.3	--	7.6	99
08	0542	20	300	474	7.9	28.3	--	7.5	98
08	0543	24	300	477	7.9	28.3	--	7.5	98
08	0543	30	300	469	7.9	28.3	--	7.5	99
08	0544	33	300	479	7.9	28.3	--	7.4	97

Table 16. *Water-quality data for station 401838080360701, Ohio River at river mile 71.4, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
September									
08	0546	0.8	600	474	8.0	28.3	--	7.7	101
08	0546	3.1	600	476	8.0	28.3	--	7.7	101
08	0547	4.9	600	475	7.9	28.3	--	7.7	101
08	0547	9.9	600	474	7.9	28.3	--	7.7	100
08	0548	15	600	474	7.9	28.3	--	7.6	100
08	0548	20	600	475	7.9	28.3	--	7.6	100
08	0549	21	600	475	7.9	28.3	--	7.6	100
08	0551	1.0	900	475	8.0	28.3	--	7.6	100
08	0551	2.9	900	476	8.0	28.3	--	7.7	100
08	0552	5.2	900	475	8.0	28.3	--	7.6	100
08	0552	10	900	476	8.0	28.3	--	7.5	99
08	0553	15	900	475	8.0	28.3	--	7.6	100
08	0553	20	900	475	8.0	28.3	--	7.6	99
08	0554	25	900	476	7.9	28.3	--	7.5	98
22	1756	0.9	300	517	7.5	24.2	--	7.0	85
22	1756	3.0	300	517	7.5	24.2	--	6.9	83
22	1757	5.0	300	517	7.5	24.3	--	6.9	84
22	1758	10	300	517	7.5	24.3	--	6.9	84
22	1758	15	300	517	7.5	24.2	--	6.9	83
22	1759	20	300	516	7.5	24.2	--	6.8	83
22	1759	25	300	516	7.5	24.2	--	6.8	83
22	1800	29	300	516	7.5	24.2	--	6.8	82
22	1743	1.1	600	516	7.5	24.1	--	6.8	83
22	1744	3.0	600	516	7.5	24.1	--	6.8	82
22	1744	5.2	600	515	7.5	24.1	--	6.7	82
22	1745	10	600	516	7.5	24.1	--	6.7	81
22	1746	15	600	516	7.5	24.2	--	6.8	83
22	1747	20	600	516	7.5	24.1	--	6.8	82
22	1747	25	600	517	7.5	24.1	--	6.7	82
22	1749	30	600	517	7.5	24.1	--	6.7	82
22	1748	31	600	517	7.5	24.1	--	6.7	81
22	1751	1.0	900	517	7.5	24.4	--	6.7	82
22	1751	3.1	900	517	7.5	24.3	--	6.7	81
22	1752	5.0	900	517	7.5	24.3	--	6.7	81
22	1752	9.7	900	517	7.5	24.1	--	6.6	80
22	1753	15	900	518	7.5	24.1	--	6.6	80
22	1753	19	900	518	7.4	24.0	--	6.6	80
22	1754	25	900	518	7.4	24.1	--	6.7	81
22	1754	27	900	518	7.4	24.1	--	6.7	81

Table 16. *Water-quality data for station 401838080360701, Ohio River at river mile 71.4, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
October									
03	1102	0.4	300	500	7.5	23.1	--	7.5	90
03	1102	3.0	300	500	7.5	23.1	--	7.6	91
03	1103	5.2	300	500	7.5	23.1	--	7.6	91
03	1104	10	300	500	7.5	23.0	--	7.5	90
03	1104	15	300	500	7.5	23.0	--	7.5	90
03	1105	20	300	500	7.5	23.0	--	7.5	90
03	1105	25	300	501	7.5	23.0	--	7.5	90
03	1106	27	300	501	7.5	23.0	--	7.5	90
03	1108	0.4	600	502	7.5	23.6	--	7.5	91
03	1109	2.9	600	500	7.5	23.4	--	7.6	91
03	1109	4.9	600	500	7.5	23.1	3.0	7.7	92
03	1110	9.9	600	500	7.5	23.1	--	7.5	90
03	1110	15	600	501	7.5	23.0	--	7.6	91
03	1111	20	600	499	7.5	23.0	--	7.6	91
03	1112	25	600	498	7.5	23.0	--	7.6	91
03	1112	30	600	498	7.5	23.0	--	7.6	91
03	1113	31	600	505	7.5	23.0	--	7.5	90
03	1115	0.2	900	501	7.5	23.4	--	7.6	91
03	1115	2.8	900	504	7.5	23.4	--	7.6	91
03	1116	4.8	900	500	7.5	23.3	--	7.6	91
03	1116	9.8	900	500	7.5	23.1	--	7.6	91
03	1117	15	900	501	7.5	23.1	--	7.6	90
03	1117	20	900	504	7.5	23.1	--	7.5	90
03	1118	24	900	501	7.5	23.1	--	7.5	90
17	1126	0.6	300	525	7.4	19.3	--	8.2	90
17	1126	3.1	300	519	7.4	19.2	--	8.3	91
17	1127	5.0	300	519	7.4	19.2	--	8.2	90
17	1128	10	300	520	7.4	19.2	--	8.1	89
17	1128	15	300	523	7.4	19.1	--	8.1	89
17	1129	20	300	519	7.4	19.1	--	8.2	89
17	1129	25	300	526	7.4	19.1	--	8.2	89
17	1130	28	300	527	7.4	19.1	--	8.1	88
17	1118	1.0	600	524	7.5	19.3	--	8.3	91
17	1118	3.0	600	523	7.4	19.2	--	8.2	90
17	1119	5.0	600	521	7.4	19.2	4.0	8.3	90
17	1120	10	600	520	7.4	19.1	--	8.2	89
17	1121	15	600	518	7.4	19.1	--	8.2	89
17	1121	20	600	524	7.4	19.1	--	8.1	88
17	1122	25	600	520	7.4	19.1	--	8.1	88
17	1123	30	600	522	7.4	19.1	--	8.2	89

Table 16. *Water-quality data for station 401838080360701, Ohio River at river mile 71.4, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
October									
17	1136	0.8	900	523	7.5	19.3	--	8.3	90
17	1136	3.1	900	520	7.4	19.4	--	8.1	89
17	1137	4.8	900	524	7.4	19.3	--	8.2	90
17	1137	10	900	520	7.4	19.3	--	8.2	90
17	1138	15	900	519	7.4	19.1	--	8.3	90
17	1138	20	900	524	7.4	19.1	--	8.3	91
17	1139	21	900	523	7.4	19.1	--	8.3	90

Table 17. *Water-quality data for station 401728080365101, Ohio River at river mile 72.9, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	1541	0.6	600	416	8.0	28.1	--	9.3	122
11	1541	3.1	600	419	7.6	27.0	--	8.2	105
11	1543	22	600	423	7.4	26.5	--	7.5	95
11	1542	45	600	418	7.4	26.5	--	7.3	93
25	1637	0.5	600	427	7.7	29.7	--	7.7	103
25	1637	3.3	600	428	7.7	29.6	--	7.5	100
25	1639	12	600	429	7.5	29.1	--	6.6	88
25	1638	23	600	431	7.5	29.0	--	6.6	88
August									
08	1401	0.4	600	469	7.6	28.6	--	7.1	93
08	1401	3.3	600	469	7.5	28.7	--	7.1	94
08	1403	14	600	470	7.5	28.7	--	6.9	91
08	1402	28	600	472	7.5	28.6	--	6.8	90
22	1538	0.9	600	518	8.0	30.6	--	7.9	108
22	1538	3.1	600	517	8.0	30.6	--	8.0	108
22	1540	12	600	519	7.9	30.6	--	7.7	104
22	1539	25	600	528	7.9	30.6	--	7.7	104
September									
07	1356	0.2	600	481	8.3	28.6	--	8.1	108
07	1357	3.0	600	481	8.3	28.6	--	8.1	107
07	1358	14	600	482	7.9	28.4	--	7.0	93
07	1357	29	600	483	7.8	28.4	--	6.8	89
22	1035	0.6	600	518	7.5	24.0	--	7.5	90
22	1036	3.0	600	520	7.5	24.1	--	7.5	91
22	1038	18	600	517	7.5	24.1	--	7.5	91
22	1037	34	600	517	7.5	24.1	--	7.5	91
October									
03	1056	0.2	600	505	7.5	23.1	--	7.6	91
03	1056	2.8	600	505	7.5	23.1	--	7.5	90
03	1057	11	600	503	7.5	23.0	--	7.5	90
03	1057	24	600	505	7.5	23.0	--	7.5	90
17	1111	0.9	600	526	7.4	19.4	--	8.2	90
17	1112	3.1	600	527	7.4	19.4	--	8.2	90
17	1113	12	600	528	7.4	19.4	--	8.2	89
17	1112	23	600	522	7.4	19.4	--	8.1	89

Table 18. *Water-quality data for station 401542080371801, Ohio River at river mile 75.0, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	1550	0.6	600	421	7.9	28.1	--	9.1	119
11	1550	3.1	600	422	7.9	27.9	--	9.1	118
11	1552	14	600	424	7.4	26.5	--	7.4	94
11	1551	29	600	429	7.4	26.4	--	7.4	94
25	1646	0.3	600	426	7.8	29.6	--	7.8	105
25	1647	3.1	600	427	7.7	29.5	--	7.5	101
25	1650	18	600	423	7.5	28.8	--	6.5	86
25	1648	35	600	428	7.5	28.6	--	6.1	81
August									
08	1408	0.3	600	466	7.6	28.8	--	7.1	93
08	1409	3.3	600	468	7.5	28.8	--	6.9	91
08	1410	14	600	468	7.5	28.8	--	6.7	88
08	1409	28	600	471	7.5	28.8	--	6.8	89
22	1546	0.3	600	525	8.0	30.6	--	7.8	105
22	1546	3.3	600	525	8.0	30.6	--	7.9	107
22	1548	14	600	527	8.0	30.6	--	7.8	106
22	1547	29	600	525	7.9	30.6	--	7.5	102
September									
07	1346	0.2	600	483	8.3	28.4	--	8.2	108
07	1347	3.0	600	482	8.3	28.3	--	8.2	108
07	1349	14	600	484	7.9	28.1	--	7.1	93
07	1348	28	600	485	7.9	28.0	--	7.0	91
22	1027	1.1	600	518	7.5	23.7	--	7.5	90
22	1027	3.1	600	519	7.5	23.7	--	7.4	90
22	1029	14	600	519	7.5	23.7	--	7.5	91
22	1028	28	600	521	7.5	23.7	--	7.5	90
October									
03	1049	0.5	600	501	7.5	22.8	--	7.2	85
03	1049	3.2	600	502	7.5	22.8	--	7.3	87
03	1050	14	600	503	7.5	22.8	--	7.2	85
03	1050	28	600	504	7.5	22.8	--	7.2	86
17	1104	0.8	600	525	7.5	19.7	--	8.1	89
17	1104	3.0	600	526	7.5	19.7	--	8.1	89
17	1105	14	600	527	7.5	19.6	--	7.9	87
17	1105	28	600	519	7.4	19.6	--	7.9	87

Table 19. *Water-quality data for station 401422080391701, Ohio River at river mile 77.4, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	1559	0.9	600	425	7.6	30.8	--	7.8	107
11	1559	3.3	600	425	7.5	29.2	--	7.6	101
11	1601	15	600	419	7.4	27.2	--	7.3	94
11	1600	29	600	420	7.4	26.6	--	7.0	89
25	1657	0.2	600	435	7.7	32.0	--	7.5	104
25	1657	2.9	600	434	7.7	32.0	--	7.4	104
25	1659	15	600	430	7.5	29.0	--	6.4	85
25	1658	30	600	432	7.5	28.6	--	6.2	82
August									
08	1416	0.8	600	472	7.6	30.6	--	7.2	98
08	1416	3.1	600	469	7.5	30.1	--	7.0	94
08	1418	14	600	470	7.5	29.1	--	6.8	90
08	1417	29	600	469	7.5	28.9	--	6.8	89
22	1553	0.4	600	535	8.1	34.2	--	8.0	116
22	1553	3.0	600	536	8.0	34.0	--	7.9	114
22	1555	13	600	537	7.7	31.6	--	7.0	97
22	1554	29	600	537	7.6	31.0	--	6.1	83
September									
07	1339	0.2	600	493	8.4	31.7	--	8.4	117
07	1340	3.0	600	482	8.3	28.3	--	8.2	108
07	1342	14	600	494	7.8	29.2	--	6.7	89
07	1341	26	600	495	7.7	28.6	--	6.2	82
22	1019	0.5	600	523	7.5	26.6	--	7.4	95
22	1019	2.8	600	524	7.5	26.6	--	7.4	95
22	1021	15	600	519	7.5	24.9	--	7.5	92
22	1020	30	600	520	7.5	24.2	--	7.1	87
October									
03	1041	0.6	600	510	7.5	25.8	--	7.3	92
03	1042	2.9	600	513	7.5	25.6	--	7.2	90
03	1043	15	600	511	7.5	24.1	--	6.9	84
03	1042	29	600	519	7.5	23.3	--	6.7	80
17	1055	0.9	600	529	7.5	22.1	--	7.9	91
17	1056	3.1	600	528	7.4	20.7	--	7.8	87
17	1057	15	600	529	7.4	20.1	--	7.6	84
17	1056	30	600	525	7.4	19.7	--	7.6	84

Table 20. *Water-quality data for station 401148080400901, Ohio River at river mile 80.5, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	1608	0.7	600	424	7.8	29.0	--	8.7	115
11	1608	3.2	600	424	7.7	28.7	--	8.4	110
11	1609	17	600	429	7.4	27.6	--	6.9	89
11	1609	35	600	429	7.3	27.3	--	6.6	85
25	1707	0.7	600	439	7.7	29.4	--	6.8	91
25	1707	2.9	600	436	7.6	29.4	--	6.6	89
25	1709	15	600	437	7.5	29.2	--	6.4	85
25	1708	31	600	448	7.6	29.2	--	6.3	84
August									
08	1426	0.3	600	470	7.5	29.1	--	6.9	91
08	1427	3.2	600	470	7.4	29.2	--	6.8	90
08	1428	16	600	471	7.4	29.2	--	6.8	89
08	1427	33	600	471	7.4	29.2	--	6.7	89
22	1601	0.3	600	540	8.1	31.8	--	8.0	111
22	1601	2.4	600	545	8.0	31.8	--	7.8	107
22	1603	17	600	542	7.7	31.7	--	7.1	99
22	1602	27	600	542	7.7	31.6	--	6.9	95
September									
07	1329	0.2	600	499	8.1	29.6	--	7.4	99
07	1330	3.0	600	498	8.1	29.6	--	7.3	98
07	1332	17	600	497	8.0	29.4	--	7.0	94
07	1331	33	600	501	7.9	29.4	--	6.7	90
22	1008	0.9	600	520	7.5	25.2	--	7.3	91
22	1008	3.1	600	520	7.5	25.3	--	7.2	90
22	1010	17	600	519	7.5	25.3	--	7.2	89
22	1009	33	600	518	7.5	25.3	--	7.2	90
October									
03	1033	0.3	600	513	7.5	24.0	--	7.0	86
03	1033	3.0	600	513	7.5	24.0	--	7.0	86
03	1034	17	600	512	7.5	24.0	--	7.0	85
03	1034	35	600	513	7.5	23.9	--	6.9	84
17	1046	0.9	600	538	7.4	20.7	--	7.8	87
17	1047	3.4	600	539	7.4	20.7	--	7.7	86
17	1048	17	600	538	7.4	20.7	--	7.7	86
17	1047	34	600	537	7.4	20.7	--	7.6	86

Table 21. *Water-quality data for station 401031080411601, Ohio River at river mile 82.3, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	1614	0.5	800	425	8.3	29.7	--	9.7	131
11	1615	3.1	800	425	8.0	28.8	--	9.2	122
11	1617	15	800	433	7.4	27.3	--	7.1	92
11	1615	30	800	451	7.3	27.0	--	6.6	85
25	1713	0.3	800	450	7.9	29.6	--	8.1	108
25	1714	2.5	800	451	8.0	29.6	--	8.2	110
25	1716	12	800	448	7.9	29.5	--	8.0	108
25	1715	22	800	457	7.6	28.8	--	6.4	84
August									
08	1432	0.4	800	477	7.5	29.4	--	6.9	92
08	1432	3.2	800	477	7.5	29.4	--	6.8	91
08	1434	15	800	477	7.5	29.4	--	6.8	91
08	1433	30	800	477	7.5	29.4	--	6.8	90
22	1641	0.7	800	552	8.3	31.7	--	8.4	116
22	1641	3.1	800	552	8.2	31.7	--	8.3	115
22	1643	24	800	560	7.9	31.4	--	7.6	104
22	1642	38	800	560	7.7	31.2	--	7.0	97
September									
07	1317	0.2	800	508	8.1	29.4	--	7.4	100
07	1318	3.0	800	509	8.2	29.4	--	7.4	100
07	1320	13	800	509	8.0	29.4	--	7.1	96
07	1319	26	800	509	7.9	29.3	--	6.8	91
22	1000	0.7	800	525	7.5	24.9	--	7.5	92
22	1000	3.0	800	532	7.5	24.9	--	7.5	92
22	1002	15	800	518	7.5	25.0	--	7.5	92
22	1001	30	800	520	7.5	25.0	--	7.4	92
October									
03	1028	0.2	800	520	7.5	23.4	--	7.1	86
03	1028	2.8	800	519	7.5	23.4	--	7.0	84
03	1029	22	800	517	7.5	23.4	--	6.8	82
03	1029	44	800	512	7.5	23.4	--	6.9	83
17	1040	0.5	800	544	7.5	20.4	--	7.8	87
17	1041	3.3	800	543	7.4	20.5	--	7.8	87
17	1042	15	800	544	7.4	20.4	--	7.6	85
17	1041	30	800	548	7.4	20.4	--	7.6	85

Table 22. *Water-quality data for station 400913080421201, Ohio River at river mile 84.0, June to October, 1995.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	0515	0.5	500	430	7.5	27.0	--	7.0	90
11	0515	3.3	500	427	7.5	27.0	--	7.0	90
11	0516	5.3	500	427	7.5	27.0	--	7.0	90
11	0516	10	500	426	7.5	27.0	--	7.0	90
11	0517	15	500	427	7.5	27.0	--	7.0	91
11	0517	20	500	432	7.5	27.0	--	7.0	91
11	0518	25	500	427	7.5	27.0	--	7.0	90
11	0518	30	500	432	7.4	27.0	--	7.0	90
11	0519	36	500	425	7.5	27.0	--	7.0	90
11	0519	38	500	434	7.4	27.0	--	7.0	90
11	0509	0.2	900	427	7.5	27.0	--	7.2	93
11	0509	3.1	900	432	7.5	27.0	--	7.2	92
11	0510	5.4	900	427	7.5	27.0	--	7.2	93
11	0510	10	900	428	7.5	27.0	--	7.2	93
11	0511	15	900	428	7.5	27.0	--	7.2	93
11	0511	20	900	430	7.5	27.0	--	7.2	93
11	0512	25	900	428	7.5	27.0	--	7.2	93
11	0512	26	900	427	7.5	27.0	--	7.1	92
11	0503	0.2	1,400	429	7.5	27.0	--	7.2	93
11	0503	3.5	1,400	429	7.5	27.0	--	7.2	93
11	0504	5.4	1,400	429	7.5	27.0	--	7.3	93
11	0504	9.8	1,400	431	7.5	27.0	--	7.2	93
11	0505	15	1,400	425	7.5	27.0	--	7.3	93
11	0505	20	1,400	427	7.5	27.0	--	7.3	93
11	0506	21	1,400	434	7.5	27.0	--	7.1	92
11	0456	0.2	1,900	429	7.5	27.0	--	7.2	92
11	0456	2.9	1,900	428	7.5	27.1	--	7.2	92
11	0457	5.1	1,900	427	7.5	27.1	--	7.1	92
11	0457	9.8	1,900	428	7.5	27.1	--	7.2	92
11	0458	15	1,900	430	7.5	27.1	--	7.1	92
11	0458	20	1,900	426	7.5	27.1	--	7.1	92
11	0459	25	1,900	428	7.4	26.9	--	6.4	83
11	0459	28	1,900	430	7.3	26.8	--	6.3	80

Table 22. *Water-quality data for station 400913080421201, Ohio River at river mile 84.0, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
11	1649	0.5	500	443	7.6	27.9	--	8.0	105
11	1649	3.1	500	442	7.5	27.5	--	7.3	95
11	1650	5.0	500	443	7.5	27.6	--	7.5	97
11	1651	9.9	500	441	7.4	27.4	--	7.3	94
11	1651	15	500	444	7.4	27.1	--	6.9	88
11	1652	20	500	444	7.4	27.1	--	6.9	88
11	1652	25	500	443	7.3	27.1	--	6.7	86
11	1653	30	500	441	7.3	27.1	--	6.7	86
11	1654	35	500	442	7.3	27.0	--	6.5	83
11	1654	40	500	445	7.3	27.0	--	6.4	83
11	1655	45	500	444	7.3	27.0	--	6.4	82
11	1639	0.4	900	441	8.1	29.0	--	9.5	126
11	1640	3.2	900	443	8.0	28.7	--	8.6	114
11	1640	5.1	900	441	7.5	27.6	--	7.5	97
11	1641	9.9	900	445	7.4	27.2	--	6.9	89
11	1642	15	900	444	7.4	27.2	--	7.0	90
11	1643	20	900	443	7.4	27.1	--	6.8	88
11	1643	25	900	444	7.3	27.0	--	6.6	84
11	1644	29	900	442	7.3	27.0	--	6.4	82
11	1632	0.3	1,400	441	8.1	29.0	--	9.4	125
11	1632	3.1	1,400	445	7.8	28.3	--	8.4	111
11	1633	5.0	1,400	442	7.6	27.9	--	7.8	101
11	1634	10	1,400	442	7.4	27.2	--	7.1	91
11	1634	15	1,400	444	7.4	27.0	--	6.8	87
11	1635	20	1,400	446	7.3	27.0	--	6.7	86
11	1636	22	1,400	444	7.3	27.0	--	6.5	83
11	1624	0.4	1,900	440	8.1	28.9	--	9.4	124
11	1624	3.0	1,900	443	8.0	28.4	--	9.0	119
11	1625	5.0	1,900	443	7.6	27.7	--	8.0	104
11	1626	10	1,900	443	7.4	27.4	--	7.1	92
11	1627	15	1,900	443	7.4	27.1	--	6.9	89
11	1627	20	1,900	443	7.4	27.1	--	6.9	88
11	1628	25	1,900	441	7.4	27.0	--	6.8	87
11	1629	28	1,900	439	7.2	26.9	--	5.5	71

Table 22. *Water-quality data for station 400913080421201, Ohio River at river mile 84.0, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
July									
25	1749	0.4	500	478	8.4	29.7	--	9.0	121
25	1749	3.1	500	479	8.4	29.7	--	9.0	122
25	1750	5.1	500	480	8.4	29.7	--	8.9	120
25	1750	10	500	476	8.0	29.2	--	7.4	99
25	1751	15	500	475	8.0	29.3	--	7.8	104
25	1751	20	500	469	7.8	28.9	--	6.7	88
25	1752	25	500	468	7.7	28.8	--	6.4	84
25	1752	30	500	465	7.7	28.8	--	6.3	83
25	1753	35	500	474	7.9	28.8	--	6.3	83
25	1753	40	500	471	7.7	28.8	--	6.2	83
25	1754	44	500	472	7.7	28.8	--	6.2	82
25	1741	0.2	900	478	8.2	29.6	--	8.5	114
25	1741	3.0	900	477	8.2	29.5	--	8.5	114
25	1742	5.1	900	475	8.1	29.4	--	8.2	110
25	1742	9.9	900	477	8.1	29.4	--	8.0	107
25	1743	15	900	476	8.0	29.3	--	7.8	104
25	1743	20	900	473	7.9	29.2	--	7.5	100
25	1744	25	900	471	7.7	28.8	--	6.3	83
25	1744	26	900	470	7.7	28.8	--	6.2	83
25	1732	0.5	1,400	476	8.0	29.3	--	7.9	106
25	1732	3.0	1,400	477	8.0	29.3	--	7.9	106
25	1733	4.9	1,400	477	8.0	29.3	--	7.9	105
25	1733	10	1,400	479	8.0	29.3	--	7.9	105
25	1734	15	1,400	473	7.8	29.0	--	6.6	88
25	1734	20	1,400	476	7.7	28.8	--	6.2	82
25	1735	21	1,400	476	7.7	28.8	--	6.2	82
25	1725	0.3	1,900	476	7.9	29.3	--	7.5	100
25	1725	3.1	1,900	476	7.9	29.3	--	7.5	100
25	1726	5.1	1,900	476	7.9	29.2	--	7.4	99
25	1726	10	1,900	474	7.8	29.2	--	7.4	98
25	1727	15	1,900	469	7.7	28.9	--	6.6	87
25	1727	20	1,900	469	7.7	28.8	--	6.3	83
25	1728	25	1,900	469	7.6	28.8	--	6.2	82
25	1728	29	1,900	474	7.6	28.8	--	6.2	81

Table 22. *Water-quality data for station 400913080421201, Ohio River at river mile 84.0, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
August									
08	0518	0.5	500	497	7.5	30.1	--	7.0	95
08	0518	3.1	500	498	7.5	30.1	--	7.1	95
08	0519	5.1	500	497	7.5	30.1	--	6.9	93
08	0519	10	500	498	7.5	30.1	--	7.1	95
08	0520	15	500	496	7.5	30.1	--	7.1	96
08	0520	20	500	498	7.5	30.1	--	7.1	96
08	0521	24	500	499	7.4	30.1	--	7.1	96
08	0521	30	500	493	7.4	30.1	--	7.1	96
08	0522	35	500	495	7.4	30.1	--	7.1	96
08	0522	39	500	495	7.4	30.1	--	7.1	96
08	0523	43	500	504	7.4	30.1	--	7.0	95
08	0512	0.4	900	495	7.5	30.0	--	7.0	95
08	0512	3.4	900	495	7.5	30.1	--	7.1	95
08	0513	5.6	900	495	7.5	30.1	--	7.1	95
08	0513	9.9	900	495	7.4	30.1	--	7.1	95
08	0514	15	900	495	7.4	30.1	--	7.1	96
08	0514	20	900	495	7.4	30.1	--	7.1	96
08	0515	25	900	495	7.4	30.1	--	7.0	95
08	0515	28	900	495	7.4	30.1	--	6.9	92
08	0506	0.4	1,400	496	7.5	30.1	--	7.2	97
08	0506	3.4	1,400	497	7.5	30.1	--	7.0	94
08	0507	5.5	1,400	497	7.5	30.2	--	7.1	96
08	0508	10	1,400	497	7.5	30.2	--	7.0	95
08	0508	15	1,400	496	7.5	30.2	--	7.1	96
08	0509	20	1,400	497	7.5	30.2	--	7.2	97
08	0459	0.5	1,900	503	7.5	30.3	--	7.1	96
08	0459	3.0	1,900	504	7.5	30.2	--	7.1	96
08	0500	5.2	1,900	503	7.5	30.3	--	7.1	96
08	0500	9.9	1,900	504	7.5	30.3	--	7.0	94
08	0501	15	1,900	504	7.5	30.3	--	7.1	96
08	0502	20	1,900	504	7.5	30.3	--	7.2	97
08	0502	25	1,900	503	7.5	30.3	--	7.2	97
08	0503	28	1,900	503	7.5	30.3	--	7.1	97

Table 22. *Water-quality data for station 400913080421201, Ohio River at river mile 84.0, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
August									
08	1457	0.4	500	477	7.5	29.8	--	6.8	91
08	1457	3.2	500	477	7.4	29.8	--	6.7	90
08	1458	5.1	500	477	7.4	29.8	--	6.7	90
08	1458	9.7	500	478	7.4	29.8	--	6.7	89
08	1459	15	500	476	7.4	29.8	--	6.6	88
08	1459	20	500	478	7.4	29.8	--	6.6	88
08	1500	25	500	478	7.4	29.8	--	6.6	88
08	1500	30	500	477	7.4	29.8	--	6.6	89
08	1501	35	500	477	7.4	29.8	--	6.7	90
08	1501	40	500	478	7.4	29.8	--	6.6	88
08	1502	43	500	474	7.4	29.8	--	6.6	88
08	1452	0.4	900	478	7.4	29.8	--	6.6	88
08	1452	3.3	900	478	7.4	29.8	--	6.6	89
08	1453	5.4	900	478	7.4	29.8	--	6.6	89
08	1453	10	900	478	7.4	29.8	--	6.6	88
08	1454	15	900	478	7.4	29.8	--	6.6	88
08	1454	20	900	478	7.4	29.8	--	6.6	89
08	1455	25	900	478	7.4	29.8	--	6.6	88
08	1455	29	900	478	7.4	29.8	--	6.7	89
08	1446	0.8	1,400	480	7.5	29.8	--	6.7	90
08	1446	3.0	1,400	480	7.4	29.9	3.0	6.5	87
08	1447	5.1	1,400	480	7.4	29.8	--	6.5	87
08	1447	9.9	1,400	480	7.4	29.8	--	6.6	88
08	1448	15	1,400	480	7.4	29.9	--	6.5	88
08	1448	20	1,400	480	7.4	29.9	--	6.6	88
08	1449	21	1,400	480	7.4	29.9	--	6.5	87
08	1440	0.4	1,900	482	7.5	29.9	--	6.8	91
08	1440	3.2	1,900	483	7.4	29.9	--	6.6	88
08	1441	5.2	1,900	483	7.4	29.9	--	6.6	88
08	1441	9.8	1,900	483	7.4	29.9	--	6.5	88
08	1442	15	1,900	483	7.4	29.9	--	6.5	87
08	1442	20	1,900	482	7.4	29.9	--	6.5	87
08	1443	25	1,900	482	7.4	29.9	--	6.6	88
08	1443	28	1,900	482	7.4	29.9	--	6.5	87

Table 22. *Water-quality data for station 400913080421201, Ohio River at river mile 84.0, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
August									
22	0532	0.8	500	560	7.8	31.3	--	6.9	95
22	0532	3.1	500	562	7.8	31.3	--	6.9	95
22	0533	5.2	500	560	7.8	31.3	--	6.8	94
22	0533	9.9	500	556	7.7	31.3	--	6.7	93
22	0534	15	500	562	7.7	31.3	--	6.8	93
22	0534	20	500	559	7.7	31.3	--	6.7	93
22	0535	25	500	555	7.7	31.3	--	6.8	93
22	0535	30	500	562	7.7	31.3	--	6.8	93
22	0536	35	500	563	7.7	31.3	--	6.8	93
22	0536	40	500	572	7.7	31.3	--	6.7	93
22	0537	43	500	553	7.7	31.3	--	6.8	93
22	0524	0.4	900	560	7.8	31.3	--	7.1	98
22	0524	3.4	900	561	7.8	31.3	--	7.2	99
22	0525	5.6	900	559	7.8	31.3	--	7.3	100
22	0525	10	900	563	7.8	31.3	--	7.3	100
22	0526	15	900	557	7.8	31.3	--	7.2	99
22	0526	20	900	563	7.8	31.3	--	7.1	98
22	0527	25	900	561	7.8	31.3	--	7.1	98
22	0527	26	900	561	7.8	31.3	--	7.1	98
22	0508	0.4	1,400	562	7.8	31.3	--	7.2	99
22	0508	3.2	1,400	561	7.8	31.4	--	7.4	103
22	0509	4.9	1,400	567	7.8	31.4	--	7.5	104
22	0510	10	1,400	558	7.8	31.4	--	8.0	111
22	0510	15	1,400	567	7.8	31.4	--	8.4	115
22	0511	20	1,400	562	7.8	31.4	--	8.7	120
22	0512	21	1,400	559	7.8	31.4	--	7.7	107
22	0500	0.5	1,900	572	7.7	31.3	--	6.9	96
22	0500	3.0	1,900	564	7.7	31.4	--	7.2	99
22	0501	5.2	1,900	570	7.7	31.4	--	7.4	103
22	0501	10	1,900	568	7.7	31.4	--	7.9	109
22	0502	15	1,900	567	7.7	31.4	--	8.2	114
22	0502	20	1,900	568	7.7	31.4	--	8.5	117
22	0503	25	1,900	567	7.7	31.4	--	8.8	122
22	0503	28	1,900	568	7.7	31.4	--	8.7	121

Table 22. *Water-quality data for station 400913080421201, Ohio River at river mile 84.0, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
August									
22	1631	0.5	500	557	7.9	31.3	--	7.6	104
22	1631	3.4	500	557	8.0	31.3	--	7.4	102
22	1632	5.5	500	559	8.0	31.3	--	7.6	105
22	1632	9.8	500	558	7.9	31.3	--	7.4	101
22	1633	15	500	561	7.9	31.3	--	7.3	100
22	1633	20	500	557	7.9	31.3	--	7.2	99
22	1634	25	500	555	7.9	31.3	--	7.3	100
22	1634	30	500	558	7.8	31.3	--	7.1	97
22	1635	35	500	563	7.8	31.3	--	7.0	96
22	1635	40	500	554	7.8	31.2	--	7.0	96
22	1636	44	500	560	7.8	31.2	--	6.9	95
22	1625	0.5	900	556	8.0	31.3	--	7.8	107
22	1625	3.5	900	557	8.0	31.3	--	7.7	106
22	1626	5.5	900	558	8.0	31.3	--	7.6	105
22	1626	9.9	900	560	7.9	31.3	--	7.6	104
22	1627	15	900	562	7.9	31.3	--	7.3	100
22	1627	20	900	555	7.9	31.3	--	7.5	103
22	1628	25	900	555	7.8	31.3	--	7.3	100
22	1628	29	900	564	7.7	31.2	--	6.8	94
22	1620	0.4	1,400	555	8.1	31.4	--	8.0	110
22	1620	3.2	1,400	557	8.1	31.4	--	8.0	110
22	1621	5.4	1,400	558	8.1	31.4	--	7.9	108
22	1621	10	1,400	556	8.0	31.4	--	7.7	105
22	1622	15	1,400	557	8.0	31.3	--	7.5	103
22	1622	20	1,400	561	7.9	31.3	--	7.2	98
22	1623	22	1,400	556	7.8	31.3	--	7.1	97
22	1613	0.7	1,900	556	8.2	31.5	--	8.5	116
22	1613	3.1	1,900	554	8.2	31.5	--	8.3	114
22	1614	5.1	1,900	554	8.2	31.5	--	8.4	115
22	1615	10	1,900	554	8.1	31.5	--	7.8	108
22	1615	15	1,900	554	8.1	31.4	--	7.9	109
22	1616	20	1,900	555	7.9	31.4	--	7.5	103
22	1616	25	1,900	563	7.7	31.4	--	7.0	96
22	1617	28	1,900	564	7.6	31.2	--	6.5	89

Table 22. *Water-quality data for station 400913080421201, Ohio River at river mile 84.0, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
September									
07	1237	0.2	500	503	7.9	29.1	--	6.8	90
07	1237	3.0	500	504	7.9	29.1	--	6.7	90
07	1238	5.0	500	503	7.9	29.1	--	6.8	90
07	1238	10	500	508	7.9	29.1	--	6.7	90
07	1239	15	500	502	7.9	29.1	--	6.6	88
07	1239	20	500	504	7.9	29.1	--	6.6	88
07	1240	25	500	504	7.9	29.1	--	6.6	88
07	1240	30	500	500	7.9	29.1	--	6.6	88
07	1241	35	500	502	7.9	29.1	--	6.6	88
07	1241	40	500	504	7.9	29.1	--	6.5	87
07	1242	42	500	505	7.9	29.1	--	6.5	87
07	1245	0.2	900	505	8.1	29.1	--	7.3	97
07	1245	3.0	900	504	8.1	29.2	--	7.1	95
07	1246	5.0	900	506	8.1	29.2	--	7.1	96
07	1246	10	900	503	8.0	29.1	--	7.0	94
07	1247	15	900	503	8.0	29.1	--	6.9	93
07	1247	20	900	506	8.0	29.1	--	6.8	90
07	1248	25	900	509	8.0	29.1	--	6.7	89
07	1248	27	900	508	7.8	29.1	--	6.3	84
07	1251	0.2	1,400	505	8.2	29.2	--	7.2	97
07	1251	3.0	1,400	506	8.2	29.2	2.5	7.3	97
07	1252	5.0	1,400	505	8.2	29.2	--	7.4	98
07	1252	10	1,400	505	8.1	29.2	--	7.2	95
07	1253	15	1,400	505	8.1	29.2	--	7.1	95
07	1253	20	1,400	506	8.0	29.1	--	6.9	92
07	1254	21	1,400	504	8.0	29.1	--	6.6	88
07	1304	0.2	1,900	505	8.1	29.3	--	7.1	95
07	1304	3.0	1,900	505	8.1	29.3	--	7.2	96
07	1305	5.0	1,900	506	8.1	29.3	--	7.1	95
07	1305	10	1,900	506	8.0	29.2	--	6.9	92
07	1306	15	1,900	507	8.0	29.2	--	6.7	90
07	1306	20	1,900	506	7.8	29.2	--	6.5	86
07	1307	25	1,900	505	7.9	29.1	--	6.4	85
07	1307	29	1,900	507	7.8	29.1	--	6.2	83

Table 22. *Water-quality data for station 400913080421201, Ohio River at river mile 84.0, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
September									
08	0439	0.3	500	508	7.8	28.8	--	6.7	89
08	0439	2.8	500	508	7.8	28.9	--	6.8	90
08	0440	4.8	500	506	7.8	28.9	--	6.7	89
08	0440	9.9	500	509	7.5	29.0	--	6.7	89
08	0441	15	500	506	7.8	28.9	--	6.7	89
08	0441	19	500	506	7.8	28.9	--	6.7	89
08	0442	25	500	505	7.7	29.0	--	6.7	88
08	0442	30	500	516	7.9	29.0	--	6.6	88
08	0443	35	500	500	7.8	28.9	--	6.6	88
08	0444	38	500	518	7.8	29.0	--	6.6	88
08	0454	0.4	900	505	7.9	29.0	--	6.8	90
08	0455	2.7	900	503	7.9	29.0	--	6.8	90
08	0455	4.8	900	507	7.9	29.0	--	6.8	91
08	0456	10	900	505	7.9	29.0	--	6.8	90
08	0456	15	900	510	7.9	29.0	--	6.8	90
08	0457	20	900	509	7.9	29.0	--	6.8	91
08	0457	21	900	505	7.9	29.0	--	6.7	89
08	0448	0.3	1,400	504	7.8	29.0	--	6.7	90
08	0448	3.0	1,400	506	7.9	29.0	--	6.8	90
08	0449	4.9	1,400	508	7.9	29.0	--	6.8	90
08	0449	9.9	1,400	506	7.9	29.0	--	6.8	90
08	0450	15	1,400	513	7.9	29.0	--	6.8	91
08	0450	20	1,400	503	7.9	29.0	--	6.8	91
08	0451	25	1,400	507	7.9	29.0	--	6.9	91
08	0451	27	1,400	514	7.9	29.0	--	6.7	90
08	0500	0.6	1,900	508	7.8	29.0	--	6.6	88
08	0500	3.1	1,900	508	7.8	29.0	--	6.7	89
08	0501	5.0	1,900	512	7.8	29.0	--	6.8	90
08	0501	10	1,900	510	7.8	29.0	--	6.7	89
08	0502	15	1,900	513	7.8	29.0	--	6.8	90
08	0502	20	1,900	514	7.8	29.0	--	6.5	87
08	0503	25	1,900	506	7.8	29.0	--	6.5	87
22	1901	0.7	500	525	7.5	24.5	--	6.9	84
22	1901	3.1	500	525	7.5	24.6	--	6.9	84
22	1902	5.0	500	526	7.5	24.6	--	6.9	84
22	1902	9.8	500	526	7.5	24.6	--	6.9	84
22	1903	15	500	526	7.5	24.6	--	6.9	84
22	1903	20	500	526	7.5	24.6	--	6.9	84
22	1904	25	500	526	7.5	24.6	--	6.9	84
22	1904	30	500	526	7.6	24.6	--	6.8	84
22	1905	35	500	526	7.5	24.6	--	6.8	83
22	1905	40	500	527	7.5	24.6	--	6.8	83
22	1906	45	500	527	7.5	24.6	--	6.8	83

Table 22. *Water-quality data for station 400913080421201, Ohio River at river mile 84.0, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conduct-ance (µS/cm)	pH (stan-dard units)	Temper-ature, water (°C)	Trans-parency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent satura-tion)
September									
22	1853	0.9	900	528	7.6	24.6	--	6.9	84
22	1853	3.1	900	528	7.6	24.6	--	6.8	84
22	1854	5.0	900	528	7.6	24.6	--	6.9	84
22	1854	9.8	900	528	7.6	24.6	--	6.8	84
22	1855	15	900	527	7.6	24.6	--	6.8	84
22	1855	20	900	527	7.5	24.6	--	6.8	83
22	1856	25	900	527	7.5	24.6	--	6.8	83
22	1844	1.1	1,400	528	7.6	24.6	--	6.8	83
22	1844	3.1	1,400	528	7.5	24.7	--	6.8	83
22	1845	4.9	1,400	528	7.5	24.7	--	6.8	83
22	1845	9.7	1,400	528	7.5	24.7	--	6.8	83
22	1846	15	1,400	528	7.5	24.7	--	6.8	83
22	1846	20	1,400	529	7.5	24.7	--	6.7	82
22	1847	21	1,400	529	7.5	24.6	--	6.7	82
22	1836	1.0	1,900	527	7.5	24.7	--	6.7	82
22	1836	3.0	1,900	527	7.5	24.7	--	6.7	82
22	1837	5.0	1,900	527	7.5	24.7	--	6.7	82
22	1837	9.9	1,900	527	7.5	24.7	--	6.6	81
22	1838	15	1,900	527	7.5	24.7	--	6.7	82
22	1838	20	1,900	527	7.5	24.7	--	6.7	82
22	1839	25	1,900	527	7.5	24.7	--	6.7	82
22	1839	29	1,900	528	7.5	24.7	--	6.7	81
October									
03	1001	0.7	500	518	7.5	23.2	--	6.7	81
03	1001	2.9	500	518	7.5	23.2	--	6.7	80
03	1002	4.8	500	518	7.5	23.2	--	5.6	68
03	1002	9.8	500	519	7.5	23.2	--	6.2	74
03	1003	15	500	518	7.5	23.2	--	5.6	67
03	1004	20	500	518	7.5	23.2	--	6.8	81
03	1004	25	500	518	7.5	23.2	--	6.8	82
03	1005	30	500	518	7.6	23.2	--	6.8	82
03	1005	35	500	519	7.6	23.3	--	6.8	81
03	1006	40	500	518	7.5	23.2	--	6.8	81
03	1007	44	500	520	7.4	23.2	--	6.8	82

Table 22. *Water-quality data for station 400913080421201, Ohio River at river mile 84.0, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
October									
03	0951	0.7	900	520	7.5	23.3	--	6.6	79
03	0951	2.9	900	518	7.5	23.3	--	6.3	76
03	0952	5.0	900	519	7.5	23.3	--	6.6	80
03	0952	10	900	518	7.5	23.3	--	6.6	79
03	0953	15	900	519	7.5	23.2	--	6.6	79
03	0953	20	900	517	7.5	23.2	--	6.5	77
03	0954	25	900	518	7.5	23.2	--	6.4	76
03	0955	28	900	518	7.5	23.2	--	6.4	77
03	0942	0.4	1,400	520	7.5	23.3	--	6.7	81
03	0943	3.0	1,400	519	7.5	23.3	--	6.6	80
03	0943	5.0	1,400	519	7.5	23.3	--	6.5	78
03	0944	9.6	1,400	519	7.5	23.3	--	6.3	75
03	0945	15	1,400	517	7.5	23.2	--	6.4	77
03	0946	20	1,400	515	7.5	23.2	--	6.5	77
03	0947	21	1,400	516	7.5	23.2	--	6.2	75
03	0933	0.6	1,900	519	7.5	23.3	--	6.6	79
03	0933	2.9	1,900	519	7.5	23.3	--	6.3	76
03	0934	4.9	1,900	520	7.5	23.3	--	6.6	79
03	0935	10	1,900	518	7.5	23.3	--	6.3	76
03	0935	15	1,900	519	7.5	23.3	--	5.6	67
03	0936	20	1,900	518	7.5	23.3	--	5.8	70
03	0937	25	1,900	522	7.4	23.3	--	6.1	73
03	0938	29	1,900	518	7.4	23.2	--	5.6	67
17	1025	1.0	500	550	7.5	20.3	--	7.8	87
17	1025	3.3	500	550	7.5	20.3	--	7.5	84
17	1026	5.1	500	550	7.5	20.3	--	7.5	84
17	1026	10	500	549	7.4	20.3	--	7.5	83
17	1027	15	500	551	7.4	20.3	--	7.4	83
17	1027	20	500	550	7.4	20.3	--	7.5	83
17	1028	25	500	551	7.4	20.3	--	7.5	83
17	1029	30	500	551	7.4	20.3	--	7.4	82
17	1029	35	500	553	7.5	20.2	--	7.4	83
17	1030	40	500	554	7.4	20.2	--	7.4	83
17	1030	45	500	549	7.5	20.3	--	7.4	83

Table 22. *Water-quality data for station 400913080421201, Ohio River at river mile 84.0, June to October, 1995, Continued.*

[ft = feet; µS/cm = microsiemens per centimeter; °C = degrees Celsius; mg/L = milligrams per liter; -- = data not collected]

Date	Time	Sampling depth (ft)	Sample location (ft from left bank)	Specific conductance (µS/cm)	pH (standard units)	Temperature, water (°C)	Transparency (Secchi disk) (ft)	Dissolved oxygen (mg/L)	Dissolved oxygen (percent saturation)
October									
17	1020	0.6	900	551	7.4	20.3	--	7.7	86
17	1020	3.4	900	550	7.4	20.3	--	7.7	86
17	1021	5.2	900	551	7.4	20.3	3.5	7.7	86
17	1021	10	900	551	7.4	20.3	--	7.7	86
17	1022	15	900	551	7.4	20.3	--	7.7	86
17	1022	20	900	550	7.4	20.3	--	7.6	85
17	1023	25	900	551	7.4	20.3	--	7.6	85
17	1023	27	900	550	7.4	20.3	--	7.7	85
17	1015	0.6	1,400	552	7.4	20.3	--	7.6	85
17	1015	3.3	1,400	552	7.4	20.3	--	7.7	86
17	1016	5.1	1,400	552	7.4	20.3	--	7.7	86
17	1016	10	1,400	552	7.4	20.4	--	7.7	86
17	1017	15	1,400	552	7.4	20.4	--	7.7	86
17	1017	20	1,400	552	7.4	20.3	--	7.7	86
17	1018	22	1,400	553	7.4	20.3	--	7.5	84
17	1009	0.8	1,900	548	7.3	20.3	--	7.9	88
17	1009	3.0	1,900	549	7.4	20.3	--	7.7	86
17	1010	5.2	1,900	550	7.4	20.4	--	7.7	86
17	1010	10	1,900	550	7.4	20.3	--	7.6	85
17	1011	15	1,900	549	7.4	20.3	--	7.6	84
17	1011	20	1,900	549	7.4	20.3	--	7.7	86
17	1012	25	1,900	550	7.4	20.3	--	7.6	85
17	1012	29	1,900	550	7.3	20.4	--	7.3	82

Table 23. *Daily maximum, minimum, and mean specific conductance at station 403155080373501, from the New Cumberland Dam (upstream) continuous-recording water-quality monitor, June to October 1995*

[---, value not determined]

Day	Specific conductance, in microsiemens per centimeter at 25 degrees Celsius								
	May			June			July		
	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
1	---	---	---	---	---	---	404	386	394
2	---	---	---	---	---	---	421	392	404
3	---	---	---	---	---	---	432	421	428
4	---	---	---	---	---	---	425	395	409
5	---	---	---	---	---	---	411	396	403
6	---	---	---	---	---	---	412	407	409
7	---	---	---	---	---	---	413	408	410
8	---	---	---	---	---	---	416	409	411
9	---	---	---	---	---	---	420	414	417
10	---	---	---	---	---	---	433	420	427
11	---	---	---	---	---	---	438	422	429
12	---	---	---	---	---	---	437	427	433
13	---	---	---	---	---	---	445	436	441
14	---	---	---	---	---	---	445	440	443
15	---	---	---	---	---	---	441	430	435
16	---	---	---	---	---	---	442	428	432
17	---	---	---	308	299	302	476	442	463
18	---	---	---	302	294	298	473	459	465
19	---	---	---	295	292	293	463	456	459
20	---	---	---	295	293	294	461	414	434
21	---	---	---	298	294	295	414	411	413
22	---	---	---	321	297	310	413	408	410
23	---	---	---	333	320	324	417	411	414
24	---	---	---	351	333	344	427	417	421
25	---	---	---	364	351	357	435	424	429
26	---	---	---	371	364	368	445	435	441
27	---	---	---	395	369	381	449	445	447
28	---	---	---	408	387	396	455	448	452
29	---	---	---	404	370	389	455	452	454
30	---	---	---	401	372	383	454	451	453
31	---	---	---	---	---	---	456	454	455
Month	---	---	---	---	---	---	476	386	430

Table 23. *Daily maximum, minimum, and mean specific conductance at station 403155080373501, from the New Cumberland Dam (upstream) continuous-recording water-quality monitor, June to October 1995, Continued.*

[---, value not determined]

Day	Specific conductance, in microsiemens per centimeter at 25 degrees Celsius								
	August			September			October		
	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
1	460	455	457	467	461	464	486	481	483
2	466	459	462	466	464	465	484	481	482
3	477	457	471	465	463	464	486	481	483
4	484	477	481	466	461	464	486	483	485
5	484	481	483	468	463	465	503	485	491
6	484	476	481	477	467	472	520	503	514
7	476	461	469	483	477	480	524	518	521
8	461	448	453	484	478	481	518	513	516
9	462	450	456	488	483	485	517	513	515
10	466	462	464	493	487	489	523	516	520
11	490	466	471	496	492	495	525	521	523
12	542	490	530	497	495	496	525	518	522
13	551	542	547	496	491	494	518	514	516
14	551	536	545	491	489	490	515	512	513
15	536	524	530	494	489	491	521	511	515
16	524	516	520	495	491	493	522	517	521
17	516	504	510	496	491	494	517	477	502
18	504	488	496	497	493	495	477	462	467
19	490	477	483	494	491	492	467	461	464
20	478	476	477	492	489	490	482	467	474
21	478	475	477	490	486	488	493	480	489
22	484	474	480	505	485	493	493	485	491
23	484	477	480	504	502	503	486	479	482
24	478	476	477	504	500	502	496	482	490
25	477	476	476	500	497	498	499	495	498
26	480	477	478	498	496	497	498	493	495
27	480	478	479	497	493	495	493	490	491
28	478	474	476	494	493	493	492	488	490
29	476	473	475	494	492	493	498	488	493
30	475	471	473	492	486	489	501	496	499
31	471	460	466	---	---	---	499	479	485
Month	551	448	485	505	461	487	525	461	498

Table 24. *Daily maximum, minimum, and median pH at station 403155080373501, from the New Cumberland Dam (upstream) continuous-recording water-quality monitor, June to October 1995*

[---, value not determined]

Day	pH, in standard units								
	May			June			July		
	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median
1	---	---	---	---	---	---	7.4	7.4	7.4
2	---	---	---	---	---	---	7.5	7.4	7.5
3	---	---	---	---	---	---	7.7	7.5	7.5
4	---	---	---	---	---	---	7.6	7.5	7.5
5	---	---	---	---	---	---	7.5	7.4	7.5
6	---	---	---	---	---	---	7.6	7.5	7.5
7	---	---	---	---	---	---	7.6	7.5	7.6
8	---	---	---	---	---	---	7.9	7.6	7.7
9	---	---	---	---	---	---	7.6	7.5	7.6
10	---	---	---	---	---	---	7.6	7.5	7.6
11	---	---	---	---	---	---	7.6	7.4	7.5
12	---	---	---	---	---	---	7.6	7.5	7.5
13	---	---	---	---	---	---	7.6	7.5	7.6
14	---	---	---	---	---	---	7.6	7.5	7.6
15	---	---	---	---	---	---	7.5	7.5	7.5
16	---	---	---	---	---	---	7.6	7.5	7.5
17	---	---	---	8.0	7.6	7.7	7.6	7.4	7.5
18	---	---	---	8.7	7.7	8.0	7.6	7.4	7.5
19	---	---	---	8.5	8.1	8.3	7.8	7.5	7.6
20	---	---	---	8.3	8.0	8.1	7.6	7.5	7.5
21	---	---	---	8.2	7.8	8.1	7.5	7.3	7.4
22	---	---	---	7.8	7.6	7.7	7.4	7.3	7.3
23	---	---	---	7.6	7.5	7.5	7.4	7.3	7.4
24	---	---	---	7.6	7.5	7.5	7.4	7.3	7.4
25	---	---	---	7.6	7.5	7.6	7.4	7.4	7.4
26	---	---	---	7.7	7.5	7.5	7.5	7.4	7.5
27	---	---	---	7.5	7.3	7.5	7.7	7.5	7.5
28	---	---	---	7.4	7.3	7.3	7.8	7.7	7.7
29	---	---	---	7.4	7.3	7.4	8.1	7.7	7.8
30	---	---	---	7.4	7.3	7.4	7.9	7.7	7.8
31	---	---	---	---	---	---	7.9	7.8	7.8
Month	---	---	---	---	---	---	8.1	7.3	---

Table 24. *Daily maximum, minimum, and median pH at station 403155080373501, from the New Cumberland Dam (upstream) continuous-recording water-quality monitor, June to October 1995, Continued.*

[---, value not determined]

Day	pH, in standard units								
	August			September			October		
	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median
1	8.0	7.8	7.9	8.1	7.8	7.9	7.4	7.4	7.4
2	8.0	7.8	7.9	8.0	7.8	7.9	7.4	7.4	7.4
3	7.9	7.8	7.9	8.0	7.7	7.8	7.6	7.4	7.4
4	7.9	7.6	7.8	8.1	7.8	7.9	7.6	7.5	7.6
5	7.6	7.5	7.5	8.2	7.9	8.0	7.6	7.5	7.6
6	7.5	7.4	7.5	8.2	7.9	8.0	7.6	7.6	7.6
7	7.6	7.5	7.5	7.9	7.8	7.9	7.6	7.6	7.6
8	7.6	7.4	7.5	8.0	7.8	7.9	7.6	7.6	7.6
9	7.5	7.4	7.5	7.9	7.8	7.9	7.6	7.6	7.6
10	7.6	7.4	7.4	8.1	7.9	7.9	7.6	7.6	7.6
11	7.7	7.5	7.5	7.9	7.7	7.7	7.6	7.6	7.6
12	7.9	7.5	7.7	7.7	7.6	7.7	7.6	7.6	7.6
13	7.7	7.6	7.6	7.7	7.6	7.7	7.7	7.6	7.6
14	7.6	7.6	7.6	8.1	7.6	7.7	7.6	7.6	7.6
15	7.7	7.6	7.6	7.9	7.6	7.7	7.7	7.6	7.6
16	8.1	7.6	7.7	7.6	7.6	7.6	7.7	7.6	7.6
17	8.0	7.7	7.8	7.6	7.6	7.6	7.7	7.5	7.5
18	7.8	7.6	7.7	7.6	7.5	7.6	7.6	7.5	7.5
19	7.6	7.6	7.6	7.5	7.5	7.5	7.6	7.6	7.6
20	7.6	7.6	7.6	7.5	7.5	7.5	7.6	7.5	7.6
21	7.7	7.6	7.6	7.5	7.5	7.5	7.6	7.6	7.6
22	7.8	7.6	7.6	7.5	7.3	7.5	7.6	7.6	7.6
23	7.8	7.6	7.7	7.3	7.2	7.3	7.7	7.6	7.7
24	7.7	7.6	7.6	7.3	7.3	7.3	7.7	7.6	7.7
25	7.9	7.7	7.7	7.4	7.3	7.3	7.7	7.6	7.7
26	7.8	7.7	7.8	7.4	7.3	7.3	7.8	7.7	7.7
27	8.1	7.8	8.0	7.4	7.4	7.4	7.8	7.7	7.8
28	8.1	7.9	8.0	7.4	7.4	7.4	7.8	7.7	7.7
29	8.1	7.9	7.9	7.4	7.4	7.4	7.7	7.7	7.7
30	8.0	7.9	7.9	7.4	7.4	7.4	7.7	7.7	7.7
31	7.9	7.8	7.8	---	---	---	7.7	7.7	7.7
Month	8.1	7.4	---	8.2	7.2	---	7.8	7.4	---

Table 25. *Daily maximum, minimum, and mean water temperature at station 403155080373501, from the New Cumberland Dam (upstream) continuous-recording water-quality monitor, June to October 1995*

[---, value not determined]

Day	Water temperature, in degrees Celsius								
	May			June			July		
	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
1	---	---	---	---	---	---	25.2	24.7	24.9
2	---	---	---	---	---	---	25.2	24.8	25.0
3	---	---	---	---	---	---	26.9	24.9	25.5
4	---	---	---	---	---	---	25.6	24.6	25.0
5	---	---	---	---	---	---	29.0	25.2	27.1
6	---	---	---	---	---	---	29.0	27.6	28.4
7	---	---	---	---	---	---	28.7	27.7	28.3
8	---	---	---	---	---	---	28.5	26.4	27.5
9	---	---	---	---	---	---	27.2	26.0	26.5
10	---	---	---	---	---	---	29.3	27.0	28.1
11	---	---	---	---	---	---	30.3	27.8	29.1
12	---	---	---	---	---	---	30.8	28.3	29.6
13	---	---	---	---	---	---	30.6	29.2	30.0
14	---	---	---	---	---	---	31.3	29.4	30.5
15	---	---	---	---	---	---	31.7	30.7	31.1
16	---	---	---	---	---	---	31.5	29.8	30.4
17	---	---	---	23.5	22.7	23.0	30.1	26.9	28.3
18	---	---	---	26.7	23.0	24.6	30.0	27.5	28.9
19	---	---	---	27.3	25.6	26.5	30.6	28.5	29.5
20	---	---	---	28.0	26.4	27.3	30.5	29.4	29.9
21	---	---	---	28.1	27.0	27.7	30.8	29.1	30.1
22	---	---	---	28.0	26.4	27.4	31.5	30.0	30.8
23	---	---	---	28.3	25.1	27.0	31.5	29.8	30.7
24	---	---	---	29.4	27.6	28.5	31.7	30.7	31.3
25	---	---	---	29.4	27.3	28.3	32.1	30.7	31.5
26	---	---	---	29.0	25.1	27.1	32.0	31.0	31.6
27	---	---	---	29.0	25.1	25.8	31.7	30.8	31.3
28	---	---	---	26.0	24.9	25.3	31.7	29.9	31.0
29	---	---	---	27.7	24.6	25.9	32.9	30.7	31.9
30	---	---	---	24.8	24.5	24.6	33.1	30.6	31.8
31	---	---	---	---	---	---	33.5	31.3	32.5
Month	---	---	---	---	---	---	33.5	24.6	29.3

Table 25. *Daily maximum, minimum, and mean water temperature at station 403155080373501, from the New Cumberland Dam (upstream) continuous-recording water-quality monitor, June to October 1995, Continued.*

[---, value not determined]

Day	Water temperature, in degrees Celsius								
	August			September			October		
	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
1	33.1	31.9	32.6	33.8	32.7	33.3	24.9	23.8	24.3
2	33.4	32.0	32.9	32.9	31.6	32.3	25.8	24.2	25.0
3	33.9	32.7	33.4	32.3	31.0	31.7	25.7	24.5	25.1
4	33.9	33.2	33.5	32.8	30.8	31.9	25.5	24.0	24.7
5	33.6	31.7	32.9	32.4	30.5	31.6	24.4	21.5	23.3
6	32.2	30.1	31.3	31.7	30.0	31.1	23.8	21.5	22.8
7	30.1	28.2	28.6	31.5	30.0	31.0	23.3	22.0	22.5
8	29.8	28.2	28.8	31.7	30.2	31.0	23.0	22.0	22.6
9	31.2	28.6	30.1	31.2	29.5	30.3	23.2	21.8	22.4
10	31.5	29.7	30.6	30.8	28.3	29.1	23.8	22.3	23.1
11	31.9	28.6	31.0	29.0	27.5	28.5	23.7	22.5	23.1
12	31.4	27.5	29.5	29.0	27.9	28.6	23.3	22.3	22.8
13	32.8	30.6	31.8	28.8	27.7	28.3	23.7	22.4	23.1
14	33.1	32.0	32.6	29.3	27.9	28.5	23.5	22.3	23.1
15	33.1	32.2	32.8	28.4	27.3	27.8	22.3	19.8	20.8
16	33.9	32.1	33.0	27.6	26.1	26.9	21.3	20.2	20.7
17	33.4	31.9	32.8	27.2	25.8	26.6	20.6	19.0	19.8
18	33.2	32.0	32.7	27.2	25.8	26.3	20.2	19.1	19.7
19	33.1	31.8	32.6	26.5	25.1	25.7	21.3	19.3	20.4
20	33.6	31.4	32.6	25.7	24.8	25.3	20.3	18.5	19.3
21	34.5	32.6	33.6	26.1	25.1	25.7	19.1	17.9	18.6
22	35.6	33.8	34.7	25.6	24.8	25.2	18.6	17.0	18.2
23	34.5	32.5	33.4	25.1	23.8	24.6	18.9	16.1	17.3
24	34.7	32.1	33.4	24.8	23.8	24.2	18.7	17.0	17.8
25	34.1	32.5	33.3	24.6	23.8	24.3	18.0	15.4	16.7
26	33.7	31.9	32.9	24.8	23.5	24.2	17.0	15.1	15.7
27	33.9	31.6	32.8	24.9	23.8	24.4	15.8	15.1	15.4
28	33.9	33.1	33.6	25.6	24.1	24.8	16.1	14.9	15.2
29	34.5	32.1	33.4	25.1	23.8	24.5	16.5	14.6	15.2
30	34.0	32.5	33.2	24.5	23.5	24.0	16.9	15.4	16.3
31	33.8	31.6	32.7	---	---	---	15.4	13.8	14.3
Month	35.6	27.5	32.4	33.8	23.5	27.7	25.8	13.8	20.3

Table 26. *Daily maximum, minimum, and mean dissolved oxygen concentrations at station 403155080373501, from the New Cumberland Dam (upstream) continuous-recording water-quality monitor, June to October 1995*

[---, value not determined]

Day	Dissolved oxygen concentration, in milligrams per liter								
	May			June			July		
	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
1	---	---	---	---	---	---	7.6	7.1	7.4
2	---	---	---	---	---	---	7.7	7.5	7.6
3	---	---	---	---	---	---	8.3	7.6	7.9
4	---	---	---	---	---	---	8.2	7.7	7.9
5	---	---	---	---	---	---	7.9	7.6	7.7
6	---	---	---	---	---	---	8.0	7.8	7.9
7	---	---	---	---	---	---	8.3	8.0	8.1
8	---	---	---	---	---	---	8.8	8.1	8.4
9	---	---	---	---	---	---	8.1	7.8	7.9
10	---	---	---	---	---	---	7.8	7.4	7.6
11	---	---	---	---	---	---	7.5	7.4	7.4
12	---	---	---	---	---	---	7.7	7.5	7.6
13	---	---	---	---	---	---	7.9	7.5	7.7
14	---	---	---	---	---	---	7.7	7.5	7.6
15	---	---	---	---	---	---	7.6	7.4	7.5
16	---	---	---	---	---	---	7.7	7.4	7.5
17	---	---	---	9.4	8.7	9.0	7.4	6.9	7.1
18	---	---	---	10.7	8.6	9.5	7.3	6.7	7.0
19	---	---	---	10.1	9.3	9.7	7.7	7.0	7.2
20	---	---	---	9.8	8.6	9.1	7.2	6.9	7.0
21	---	---	---	9.0	8.0	8.7	7.1	6.7	6.9
22	---	---	---	8.0	7.3	7.7	6.9	6.8	6.9
23	---	---	---	7.3	6.9	7.1	7.0	6.9	6.9
24	---	---	---	7.1	6.8	7.0	7.0	6.8	6.8
25	---	---	---	7.4	7.0	7.2	7.0	6.8	6.9
26	---	---	---	7.6	7.0	7.2	7.2	6.9	7.0
27	---	---	---	7.2	6.9	7.0	7.9	7.1	7.4
28	---	---	---	7.3	7.0	7.1	8.1	7.9	8.0
29	---	---	---	7.2	6.8	7.0	9.0	7.9	8.3
30	---	---	---	7.3	7.0	7.2	8.6	8.1	8.3
31	---	---	---	---	---	---	8.4	8.1	8.2
Month	---	---	---	---	---	---	9.0	6.7	7.5

Table 26. *Daily maximum, minimum, and mean dissolved oxygen concentrations at station 403155080373501, from the New Cumberland Dam (upstream) continuous-recording water-quality monitor, June to October 1995, Continued.*

[---, value not determined]

Day	Dissolved oxygen concentration, in milligrams per liter								
	August			September			October		
	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
1	8.4	8.1	8.3	7.1	6.7	6.9	8.3	8.1	8.2
2	8.5	7.8	8.0	7.0	6.4	6.8	8.3	8.1	8.2
3	8.0	7.8	7.9	7.1	6.3	6.7	8.6	8.2	8.4
4	8.0	7.1	7.6	7.5	6.6	7.0	8.6	8.3	8.4
5	7.1	6.8	6.9	7.5	6.9	7.2	8.3	8.1	8.2
6	6.8	6.2	6.4	7.7	6.8	7.2	8.2	8.1	8.2
7	7.0	6.0	6.4	7.4	6.8	7.0	8.1	8.0	8.1
8	7.7	7.0	7.3	7.7	7.3	7.4	8.5	8.1	8.3
9	7.7	7.4	7.5	7.5	7.1	7.3	8.4	8.3	8.4
10	8.0	7.4	7.7	8.0	7.2	7.5	8.5	8.3	8.4
11	8.4	7.6	7.9	7.4	7.0	7.2	8.7	8.4	8.5
12	8.5	7.7	8.2	7.0	6.9	7.0	8.6	8.4	8.5
13	8.1	7.5	7.7	7.2	6.9	7.0	8.6	8.5	8.5
14	8.1	7.7	7.9	8.0	6.9	7.3	8.6	8.3	8.4
15	8.3	7.8	8.1	7.6	7.1	7.3	8.4	8.2	8.3
16	9.1	8.0	8.3	7.1	6.9	7.0	8.3	8.2	8.3
17	8.9	8.1	8.4	7.0	6.9	7.0	8.4	8.1	8.3
18	8.3	7.8	8.0	7.0	6.8	6.9	8.6	8.4	8.5
19	7.9	7.6	7.7	6.9	6.7	6.8	8.8	8.6	8.7
20	7.7	7.6	7.6	7.1	6.9	7.0	9.0	8.8	9.0
21	7.6	7.3	7.5	6.9	6.8	6.9	9.2	9.0	9.1
22	7.8	7.1	7.3	6.9	6.7	6.8	9.2	9.1	9.2
23	7.8	7.1	7.5	7.1	6.7	6.8	9.5	9.1	9.3
24	7.4	7.1	7.2	7.1	6.8	7.0	9.5	9.2	9.3
25	7.8	7.3	7.5	7.3	7.1	7.2	9.5	9.3	9.4
26	7.6	7.3	7.4	7.4	7.1	7.3	9.9	9.4	9.6
27	8.1	7.4	7.8	7.7	7.4	7.5	9.8	9.6	9.7
28	8.2	7.5	7.9	8.1	7.6	7.9	9.8	9.6	9.7
29	7.7	7.3	7.5	8.4	8.0	8.2	9.9	9.7	9.8
30	7.6	7.2	7.4	8.3	8.1	8.2	9.8	9.6	9.7
31	7.2	6.8	7.0	---	---	---	9.9	9.6	9.7
Month	9.1	6.0	7.6	8.4	6.3	7.2	9.9	8.0	8.8

Table 27. *Daily maximum, minimum, and mean specific conductance at station 403133080372801, from the New Cumberland Dam (downstream) continuous-recording water-quality monitor, June to October 1995*

[---, value not determined]

Day	Specific conductance, in microsiemens per centimeter at 25 degrees Celsius								
	May			June			July		
	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
1	---	---	---	284	274	278	397	379	389
2	---	---	---	292	282	288	408	379	392
3	---	---	---	291	286	289	421	408	418
4	---	---	---	296	288	292	419	386	402
5	---	---	---	309	294	302	400	385	393
6	---	---	---	313	304	308	402	400	401
7	---	---	---	314	309	312	401	399	400
8	---	---	---	309	300	305	404	398	401
9	---	---	---	304	301	303	409	404	406
10	---	---	---	303	299	300	420	409	414
11	---	---	---	323	303	315	429	420	426
12	---	---	---	340	317	324	440	429	435
13	---	---	---	340	289	303	448	440	445
14	---	---	---	297	290	292	449	444	447
15	---	---	---	304	297	301	446	432	438
16	---	---	---	312	304	309	444	431	435
17	---	---	---	310	301	305	479	444	464
18	---	---	---	301	294	298	477	464	468
19	---	---	---	294	292	293	467	460	463
20	---	---	---	299	292	294	464	417	437
21	---	---	---	298	293	295	420	415	418
22	---	---	---	323	298	310	417	415	416
23	---	---	---	332	322	325	421	416	418
24	---	---	---	351	332	343	428	421	425
25	254	242	247	363	351	356	430	427	429
26	276	249	262	370	363	368	441	430	436
27	276	265	268	390	370	376	443	440	442
28	269	264	267	397	379	385	448	443	445
29	264	260	262	397	366	384	447	446	447
30	275	262	266	391	366	374	448	445	446
31	291	275	285	---	---	---	449	447	449
Month	---	---	---	397	274	318	479	379	427

Table 27. *Daily maximum, minimum, and mean specific conductance at station 403133080372801, from the New Cumberland Dam (downstream) continuous-recording water-quality monitor, June to October 1995, Continued.*

[---, value not determined]

Day	Specific conductance, in microsiemens per centimeter at 25 degrees Celsius								
	August			September			October		
	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
1	454	448	451	464	462	463	480	474	476
2	460	452	456	463	460	461	476	474	475
3	470	460	466	460	459	459	478	468	475
4	478	470	475	460	458	459	478	473	476
5	478	475	477	461	458	459	496	477	483
6	477	468	475	469	460	464	512	496	507
7	468	462	465	484	468	474	515	510	513
8	462	450	453	488	484	486	510	505	507
9	463	451	457	491	487	490	510	505	507
10	467	463	465	496	491	493	514	510	512
11	490	467	472	500	496	498	517	514	516
12	541	490	527	500	497	499	516	512	515
13	551	539	547	499	493	497	512	508	509
14	551	538	545	494	492	493	509	507	508
15	538	526	531	497	493	494	515	508	511
16	527	520	523	499	496	498	517	512	515
17	520	506	513	501	498	499	512	483	501
18	507	490	499	501	499	500	484	457	464
19	490	478	484	499	496	497	461	456	458
20	479	476	477	496	494	495	474	461	466
21	480	476	478	495	491	493	488	474	482
22	476	472	475	495	489	491	489	484	488
23	475	469	472	494	492	493	484	476	479
24	470	468	469	494	490	492	491	478	484
25	470	468	469	491	488	489	496	491	495
26	473	470	471	489	487	488	496	493	494
27	473	471	472	489	485	487	494	488	491
28	473	469	470	486	485	485	489	487	488
29	471	469	470	486	484	485	493	485	489
30	471	469	470	485	479	482	497	492	496
31	472	464	467	---	---	---	497	476	487
Month	551	448	482	501	458	485	517	456	492

Table 28. *Daily maximum, minimum, and median pH at station 403133080372801, from the New Cumberland Dam (downstream) continuous-recording water-quality monitor, June to October 1995*

[---, value not determined]

Day	pH, in standard units								
	May			June			July		
	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median
1	---	---	---	7.5	7.4	7.4	7.4	7.3	7.4
2	---	---	---	7.5	7.4	7.5	7.4	7.4	7.4
3	---	---	---	7.5	7.4	7.5	7.5	7.4	7.4
4	---	---	---	7.5	7.4	7.5	7.5	7.4	7.4
5	---	---	---	7.5	7.4	7.5	7.4	7.4	7.4
6	---	---	---	7.5	7.4	7.4	7.5	7.4	7.5
7	---	---	---	7.5	7.4	7.4	7.5	7.5	7.5
8	---	---	---	7.6	7.4	7.5	7.6	7.5	7.5
9	---	---	---	7.6	7.5	7.6	7.5	7.4	7.5
10	---	---	---	7.6	7.5	7.6	7.5	7.4	7.4
11	---	---	---	7.5	7.4	7.5	7.5	7.4	7.4
12	---	---	---	7.5	7.4	7.5	7.4	7.3	7.4
13	---	---	---	7.6	7.3	7.4	7.5	7.4	7.5
14	---	---	---	8.0	7.6	7.7	7.5	7.4	7.5
15	---	---	---	7.8	7.6	7.6	7.5	7.4	7.5
16	---	---	---	7.6	7.5	7.6	7.5	7.5	7.5
17	---	---	---	7.7	7.5	7.6	7.5	7.4	7.5
18	---	---	---	8.0	7.6	7.7	7.5	7.4	7.5
19	---	---	---	8.0	7.7	7.9	7.6	7.4	7.5
20	---	---	---	7.9	7.6	7.7	7.5	7.4	7.4
21	---	---	---	8.0	7.7	7.8	7.4	7.4	7.4
22	---	---	---	7.7	7.5	7.6	7.4	7.4	7.4
23	---	---	---	7.5	7.4	7.4	7.4	7.4	7.4
24	---	---	---	7.4	7.4	7.4	7.4	7.4	7.4
25	7.5	7.4	7.5	7.5	7.4	7.4	7.4	7.3	7.4
26	7.5	7.4	7.5	7.4	7.4	7.4	7.4	7.3	7.4
27	7.5	7.4	7.5	7.4	7.3	7.4	7.5	7.4	7.4
28	7.5	7.5	7.5	7.3	7.3	7.3	7.6	7.5	7.6
29	7.6	7.5	7.5	7.3	7.3	7.3	7.6	7.4	7.5
30	7.6	7.4	7.5	7.4	7.3	7.3	7.6	7.4	7.5
31	7.5	7.4	7.5	---	---	---	7.6	7.4	7.5
Month	---	---	---	8.0	7.3	---	7.6	7.3	---

Table 28. *Daily maximum, minimum, and median pH at station 403133080372801, from the New Cumberland Dam (downstream) continuous-recording water-quality monitor, June to October 1995, Continued.*

[---, value not determined]

Day	pH, in standard units								
	August			September			October		
	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median
1	7.6	7.5	7.6	7.9	7.8	7.9	7.6	7.5	7.5
2	7.6	7.5	7.5	8.0	7.8	7.9	7.5	7.5	7.5
3	7.6	7.4	7.5	8.1	7.7	7.8	7.5	7.4	7.5
4	7.5	7.3	7.5	8.2	7.8	8.0	7.4	7.4	7.4
5	7.3	7.3	7.3	8.2	7.9	8.0	7.4	7.4	7.4
6	7.3	7.2	7.2	8.2	7.9	8.0	7.5	7.4	7.4
7	7.4	7.2	7.3	8.0	7.8	7.9	7.4	7.4	7.4
8	7.5	7.3	7.5	8.1	7.9	8.0	7.4	7.4	7.4
9	7.6	7.4	7.5	8.0	7.9	8.0	7.4	7.4	7.4
10	7.5	7.4	7.4	8.0	7.8	7.9	7.4	7.4	7.4
11	7.6	7.4	7.5	7.9	7.7	7.8	7.4	7.4	7.4
12	7.7	7.5	7.7	7.7	7.7	7.7	7.4	7.4	7.4
13	7.7	7.6	7.6	7.8	7.7	7.8	7.4	7.4	7.4
14	7.6	7.6	7.6	7.8	7.7	7.8	7.4	7.3	7.4
15	7.6	7.5	7.5	7.8	7.6	7.6	7.4	7.3	7.4
16	7.6	7.5	7.6	7.6	7.5	7.6	7.4	7.3	7.3
17	7.6	7.5	7.6	7.6	7.5	7.6	7.6	7.3	7.4
18	7.6	7.5	7.5	7.6	7.5	7.5	7.6	7.6	7.6
19	7.5	7.4	7.5	7.5	7.5	7.5	7.7	7.6	7.7
20	7.6	7.4	7.5	7.5	7.4	7.4	7.7	7.7	7.7
21	7.6	7.4	7.5	7.4	7.4	7.4	7.7	7.7	7.7
22	7.7	7.5	7.6	7.4	7.4	7.4	7.7	7.7	7.7
23	7.8	7.6	7.7	7.4	7.4	7.4	7.7	7.7	7.7
24	7.7	7.6	7.6	7.4	7.4	7.4	7.8	7.7	7.8
25	7.9	7.6	7.7	7.4	7.4	7.4	7.8	7.8	7.8
26	8.0	7.6	7.8	7.5	7.4	7.4	7.8	7.8	7.8
27	8.0	7.8	7.9	7.5	7.4	7.4	7.9	7.8	7.9
28	8.3	7.9	8.0	7.5	7.4	7.5	7.9	7.8	7.8
29	8.0	7.8	7.9	7.5	7.4	7.5	7.8	7.8	7.8
30	8.0	7.8	7.9	7.6	7.4	7.5	7.8	7.8	7.8
31	8.0	7.7	7.8	---	---	---	7.8	7.8	7.8
Month	8.3	7.2	---	8.2	7.4	---	7.9	7.3	---

Table 29. *Daily maximum, minimum, and mean water temperature at station 403133080372801, from the New Cumberland Dam (downstream) continuous-recording water-quality monitor, June to October 1995*

[---, value not determined]

Day	Water temperature, in degrees Celsius								
	May			June			July		
	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
1	---	---	---	20.7	19.8	20.3	26.5	25.9	26.2
2	---	---	---	20.8	19.6	20.4	26.4	25.7	25.9
3	---	---	---	21.2	20.0	20.7	26.3	25.6	25.9
4	---	---	---	21.0	20.3	20.6	26.1	25.4	25.7
5	---	---	---	21.9	20.8	21.3	27.3	25.5	26.3
6	---	---	---	22.4	21.1	21.7	27.5	26.6	27.2
7	---	---	---	22.9	21.8	22.4	27.4	26.7	27.1
8	---	---	---	23.6	22.5	23.0	26.9	26.0	26.6
9	---	---	---	23.8	22.8	23.3	26.2	25.7	26.0
10	---	---	---	23.7	22.9	23.4	27.5	25.9	26.7
11	---	---	---	24.3	23.2	23.8	28.1	26.8	27.5
12	---	---	---	24.2	23.0	23.8	28.3	27.4	28.0
13	---	---	---	23.4	22.5	23.0	28.9	27.7	28.2
14	---	---	---	24.4	22.7	23.7	29.2	28.3	28.8
15	---	---	---	24.6	23.2	23.9	29.7	28.8	29.2
16	---	---	---	24.6	23.2	23.9	29.7	28.7	29.2
17	---	---	---	24.6	23.4	24.0	29.1	28.2	28.6
18	---	---	---	25.1	23.5	24.2	29.1	28.7	28.9
19	---	---	---	25.7	24.6	25.1	29.2	28.5	28.9
20	---	---	---	26.3	25.3	25.8	29.1	28.5	28.7
21	---	---	---	26.5	25.6	26.1	29.2	28.3	28.8
22	---	---	---	26.6	25.9	26.3	29.5	28.9	29.1
23	---	---	---	26.7	26.0	26.3	29.5	29.1	29.3
24	---	---	---	27.4	26.3	26.9	29.6	29.2	29.4
25	19.3	18.3	18.8	27.3	26.5	26.9	30.0	29.3	29.7
26	19.8	18.6	19.2	27.3	26.5	26.9	30.0	29.6	29.8
27	19.3	18.6	19.0	27.4	26.2	26.7	29.9	29.4	29.6
28	19.4	18.7	19.1	26.9	25.8	26.4	29.8	29.4	29.6
29	19.6	18.9	19.2	26.9	26.0	26.4	30.5	29.7	30.1
30	20.7	19.3	19.9	26.3	25.5	26.0	30.7	29.9	30.3
31	20.7	19.3	20.1	---	---	---	31.2	30.0	30.6
Month	---	---	---	27.4	19.6	24.1	31.2	25.4	28.3

Table 29. *Daily maximum, minimum, and mean water temperature at station 403133080372801, from the New Cumberland Dam (downstream) continuous-recording water-quality monitor, June to October 1995, Continued.*

[---, value not determined]

Day	Water temperature, in degrees Celsius								
	August			September			October		
	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
1	31.1	30.5	30.8	31.7	31.1	31.4	23.4	22.8	23.1
2	31.3	30.5	31.0	31.7	30.5	30.9	24.2	23.0	23.7
3	31.7	30.9	31.3	30.5	29.7	30.1	24.1	23.4	23.7
4	32.0	31.5	31.7	30.3	29.4	29.9	23.8	22.6	23.3
5	32.0	30.9	31.6	30.4	29.2	29.8	23.2	22.1	22.5
6	30.9	29.9	30.4	30.1	28.6	29.4	22.6	21.5	22.1
7	30.8	29.0	30.0	29.7	28.8	29.3	22.3	21.7	22.0
8	30.0	29.5	29.8	29.8	28.8	29.3	22.0	21.2	21.7
9	29.9	29.2	29.6	29.8	28.5	29.0	21.8	21.1	21.5
10	30.1	29.5	29.7	28.7	27.3	27.7	21.7	21.1	21.4
11	30.3	29.7	30.0	27.5	26.5	27.1	22.1	21.2	21.7
12	30.4	29.0	29.6	26.9	26.6	26.8	22.0	21.3	21.7
13	31.0	30.2	30.6	26.9	25.9	26.5	22.5	21.2	21.8
14	31.1	30.7	30.9	27.0	25.9	26.4	22.3	21.6	21.8
15	31.2	30.6	30.9	26.5	25.6	26.0	21.6	20.0	20.4
16	31.3	30.7	31.0	25.6	25.2	25.4	20.4	19.6	20.0
17	31.4	30.6	31.0	26.0	25.2	25.6	19.9	19.1	19.5
18	31.4	30.9	31.2	26.0	25.2	25.6	19.1	18.6	18.9
19	31.5	30.9	31.1	25.5	24.7	25.1	19.2	18.7	18.9
20	32.1	30.6	31.4	24.8	24.4	24.7	19.1	18.4	18.7
21	32.5	31.5	32.1	25.3	24.8	25.0	18.6	18.2	18.4
22	33.0	32.3	32.6	24.8	24.1	24.4	18.5	17.7	17.9
23	32.3	31.1	31.5	24.1	23.0	23.4	17.8	17.3	17.5
24	32.2	30.8	31.6	23.4	22.7	23.0	17.7	17.1	17.5
25	32.0	31.3	31.6	23.5	22.8	23.2	17.5	16.7	16.9
26	31.9	30.9	31.4	23.6	22.9	23.3	16.8	16.1	16.4
27	31.5	30.6	31.1	23.6	22.7	23.2	16.3	15.9	16.0
28	32.0	30.9	31.5	24.0	22.9	23.4	16.4	15.8	16.1
29	31.8	31.0	31.5	23.5	22.8	23.1	16.2	15.6	15.8
30	31.6	30.8	31.2	23.7	22.7	23.2	16.3	15.5	16.0
31	31.7	30.4	31.1	---	---	---	16.2	15.0	15.5
Month	33.0	29.0	31.0	31.7	22.7	26.4	24.2	15.0	19.8

Table 30. *Daily maximum, minimum, and mean dissolved oxygen concentrations at station 403133080372801, from the New Cumberland Dam (downstream) continuous-recording water-quality monitor, June to October 1995*

[---, value not determined]

Day	Dissolved oxygen concentration, in milligrams per liter								
	May			June			July		
	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
1	---	---	---	10.0	9.9	9.9	---	---	---
2	---	---	---	10.0	9.8	9.9	---	---	---
3	---	---	---	9.9	9.8	9.9	---	---	---
4	---	---	---	10.0	9.8	9.9	---	---	---
5	---	---	---	9.8	9.5	9.7	---	---	---
6	---	---	---	9.6	9.5	9.5	---	---	---
7	---	---	---	9.7	9.4	9.5	---	---	---
8	---	---	---	9.7	9.4	9.6	---	---	---
9	---	---	---	9.6	9.5	9.6	---	---	---
10	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	8.4	7.6	8.1
13	---	---	---	---	---	---	8.5	8.0	8.3
14	---	---	---	---	---	---	8.3	7.8	8.1
15	---	---	---	---	---	---	8.1	7.7	7.9
16	---	---	---	---	---	---	8.1	7.8	8.0
17	---	---	---	---	---	---	8.0	7.6	7.9
18	---	---	---	---	---	---	7.9	7.4	7.7
19	---	---	---	---	---	---	7.9	7.4	7.8
20	---	---	---	---	---	---	7.7	7.4	7.6
21	---	---	---	---	---	---	7.7	7.4	7.6
22	---	---	---	8.6	8.1	8.4	7.6	7.3	7.5
23	---	---	---	8.2	7.8	8.1	7.6	7.3	7.5
24	---	---	---	7.9	7.6	7.8	7.6	7.2	7.4
25	10.3	9.8	9.9	7.9	7.6	7.7	7.6	7.2	7.4
26	10.2	10.0	10.1	7.9	7.6	7.8	7.6	7.2	7.5
27	10.1	10.0	10.0	---	---	---	7.9	7.5	7.7
28	10.1	9.9	10.0	---	---	---	8.2	7.7	8.0
29	10.1	9.9	10.0	---	---	---	8.3	7.7	8.0
30	10.1	9.8	9.9	---	---	---	8.2	7.3	7.8
31	10.0	9.9	10.0	---	---	---	8.1	7.3	7.7
Month	---	---	---	---	---	---	---	---	---

Table 30. *Daily maximum, minimum, and mean dissolved oxygen concentrations at station 403133080372801, from the New Cumberland Dam (downstream) continuous-recording water-quality monitor, June to October 1995, Continued.*

[---, value not determined]

Day	Dissolved oxygen concentration, in milligrams per liter								
	August			September			October		
	Maximum	Minimum	Mean	Maximum	Minimum	Mean	Maximum	Minimum	Mean
1	7.9	7.6	7.8	7.5	7.0	7.2	8.9	8.5	8.8
2	8.1	7.3	7.7	7.8	6.9	7.3	9.0	8.6	8.8
3	7.8	7.3	7.5	7.8	6.9	7.3	---	---	---
4	7.5	7.1	7.3	8.3	6.8	7.3	---	---	---
5	7.1	7.0	7.1	7.7	7.1	7.4	---	---	---
6	7.2	6.9	7.1	8.0	7.0	7.3	---	---	---
7	7.4	6.9	7.1	7.7	6.6	7.1	---	---	---
8	7.8	7.2	7.6	7.4	6.5	7.1	---	---	---
9	8.1	7.4	7.8	7.2	6.6	6.9	---	---	---
10	8.1	7.4	7.8	7.7	7.0	7.4	---	---	---
11	8.2	7.6	8.0	7.8	6.7	7.3	---	---	---
12	8.3	7.8	8.1	7.2	6.8	7.1	---	---	---
13	7.9	7.7	7.8	7.6	7.0	7.3	---	---	---
14	8.1	7.8	7.9	7.5	6.9	7.3	---	---	---
15	8.0	7.7	7.9	7.6	7.2	7.4	---	---	---
16	8.0	7.7	7.9	7.4	7.1	7.3	---	---	---
17	8.2	7.8	7.9	7.4	7.0	7.2	---	---	---
18	7.9	7.5	7.7	7.3	7.0	7.2	9.3	9.0	9.1
19	7.8	7.4	7.5	7.4	6.9	7.2	9.2	9.0	9.1
20	7.9	7.3	7.6	7.4	7.1	7.2	9.4	8.8	9.2
21	7.8	7.2	7.5	7.5	7.1	7.3	9.5	9.2	9.4
22	7.7	7.2	7.4	7.6	7.0	7.3	9.5	9.4	9.5
23	8.1	7.4	7.7	8.0	7.5	7.8	9.8	9.5	9.6
24	7.9	7.3	7.6	8.1	7.7	7.9	9.8	9.6	9.7
25	8.3	7.4	7.7	8.0	7.6	7.8	9.9	9.6	9.8
26	8.4	7.3	7.6	8.2	7.7	8.0	10.0	9.7	9.9
27	8.3	7.3	7.7	8.3	7.7	8.0	10.1	9.9	10.0
28	8.6	7.4	7.8	8.6	8.1	8.4	10.0	9.9	9.9
29	8.1	7.2	7.6	8.8	8.4	8.7	10.2	9.9	10.1
30	7.8	7.2	7.5	8.9	8.4	8.7	10.3	10.1	10.2
31	8.0	6.9	7.4	---	---	---	10.3	10.1	10.2
Month	8.6	6.9	7.6	8.9	6.5	7.5	---	---	---

CONVERSION FACTORS AND ABBREVIATIONS

Multiply	By	To obtain
inch (in.)	25.4	millimeter
foot (ft)	0.3048	meter
foot per mile (ft/mi)	0.1894	meter per kilometer
mile (mi)	1.609	kilometer
square mile (mi^2)	2.590	square kilometer

Temperature is given in degrees Celsius ($^{\circ}C$), which can be converted to degrees Fahrenheit ($^{\circ}F$) by use of the following equation:

$$F = 1.8(^{\circ}C) + 32$$

River Mile: A unit of length applied to the main stem of a river to denote location. Typically, the mouth of a river is designated river mile zero and river mile length is measured upstream from this point. River mile zero on the Ohio River has been designated as the river's origin in Pittsburgh, Pa., however, and river mile length is measured downstream from this point.

Abbreviated water-quality units used in this report: Chemical concentrations and water temperature are given in metric units. Chemical concentration is given in grams per liter (g/L), milligrams per liter (mg/L), or micrograms per liter (µg/L). Milligrams per liter is a unit expressing the concentration of chemical constituents in solution as weight (milligrams) of solute per unit volume (liter) of water. One thousand milligrams per liter is equivalent to one gram per liter. One thousand micrograms per liter is equivalent to one milligram per liter. For concentrations less than 7,000 mg/L, the numerical value is the same as for concentrations in parts per million.

Specific conductance of water is expressed in microsiemens per centimeter at 25 degrees Celsius (µS/cm). This unit is equivalent to micromhos per centimeter at 25 degrees Celsius (µmho/cm), formerly used by the U.S. Geological Survey.