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Water Resources Data Arkansas Water Year 1982

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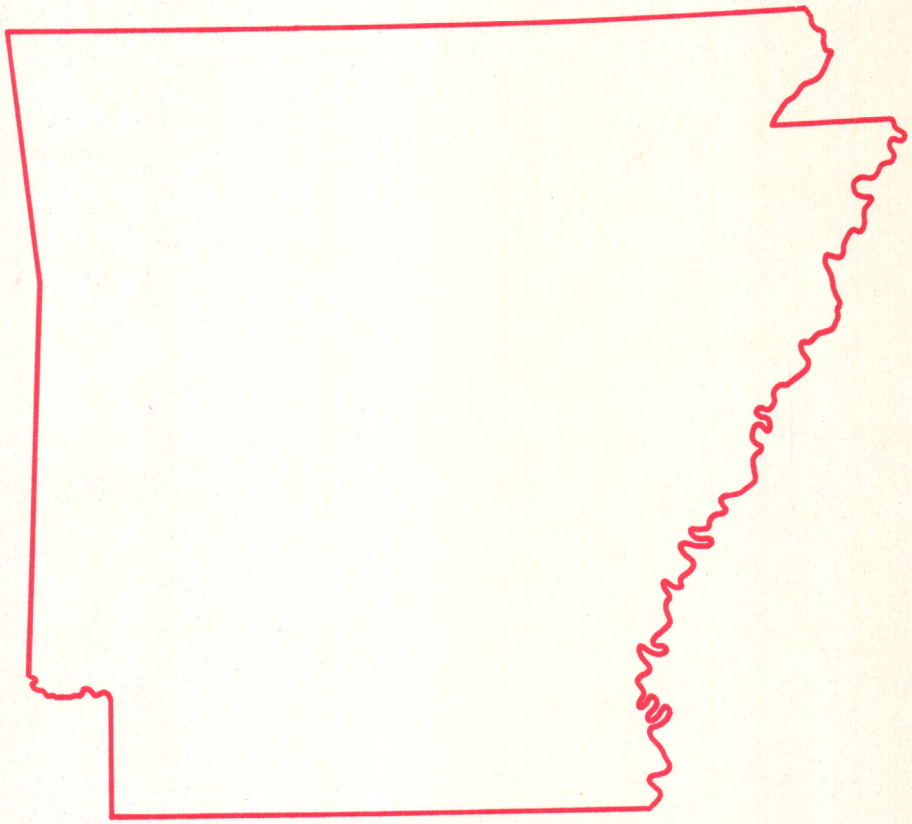

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AR-82-1
Prepared in cooperation with the Arkansas Geological Commission and with other State and Federal agencies

CALENDAR FOR WATER YEAR 1982

1981

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1982

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Water Resources Data Arkansas

Water Year 1982

by T.E. Lamb, J.E. Porter, B.F. Lambert, and J. Edds



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AR-82-1
Prepared in cooperation with the Arkansas Geological Commission and with other State and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

WILLIAM P. CLARK, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For information on the water program in Arkansas write to
District Chief, Water Resources Division
U.S. Geological Survey
2301 Federal Office Building
Little Rock, Arkansas 72201-3287

1983

PREFACE

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

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

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This report was prepared in cooperation with the State of Arkansas, and with other agencies under the general supervision of E. E. Gann, District Chief, Arkansas.

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16. Abstract (Limit: 200 words)

Water resources data for the 1982 water year for Arkansas consist of records of gage height, discharge, and water quality of streams; elevation, contents, and water quality of lakes; water levels and water quality of observation wells. This report contains discharge records for 55 gaging stations; water quality for 149 stations, 47 partial-record stations, 25 observation wells; and water levels for 95 observation wells. Also included are data for 99 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Arkansas.

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INTRODUCTION

Water resources data for the 1982 water year for Arkansas consist of records of gage height, discharge, and water quality of streams; elevation, contents, and water quality of lakes; and water levels and water quality of wells. This report contains discharge records for 55 gaging stations; water quality for 149 stations, 47 partial-record stations, and 25 observation wells; and water levels for 95 observation wells. Also included are data for 99 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data-collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Arkansas.

Records of discharge or gage height of streams, and contents or elevation of lakes were first published in a series of U.S. Geological Survey water-supply papers entitled "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and for 1961-65 and 1966-70 were in a 5-year series. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled "Ground Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Arlington, VA 22202.

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released, either in separate reports or in conjuction with streamflow records. Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published as an official Survey report on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this report is identified as "U.S. Geological Survey Water-Data Report AR-82-1." Water-data reports are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

COOPERATION

The Geological Survey and organizations of the State of Arkansas have had cooperative agreements for the systematic collection of surface-water records since 1927, and for collection of ground-water and water-quality records since 1946. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

Arkansas Geological Commission, Norman F. Williams, State geologist.

Arkansas Department of Pollution Control and Ecology, Jarrell E. Southall, director.

Arkansas State Highway and Transportation Department, Henry C. Gray, director.

Arkansas Division of Soil and Water Resources, John P. Saxton, director.

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

The following organizations aided in collecting records:

Arkansas Power and Light Company; and National Weather Service, NOAA, U.S. Department of Commerce.

Organizations that supplied data are acknowledged in station descriptions.

HYDROLOGIC CONDITIONS

Surface Water

Streamflow was normal in the north and deficient in the south for the 1982 water year. A storm on June 15 caused local severe flooding in the city of Fayetteville in northwest Arkansas. Damage to homes, businesses, streets, and culverts was reported to be about one million dollars. Up to 7.8 inches of rain in less than 12 hours was reported at the Fayetteville Experiment Station; however, the peak discharges at the gaging stations on the Illinois River near Savoy and the White River near Fayetteville did not exceed the 20-year recurrence interval.

Runoff at the index station on the Buffalo River near St. Joe, which is representative of northern Arkansas, was 81 percent of median for the period of record, being excessive for four months, deficient for two months, and normal for six months.

Runoff at the index station on the Saline River near Rye, which is representative of southern Arkansas, was 61 percent of median for the period of record, being excessive for two months, deficient for three months, and normal for seven months.

Surface-Water Quality

Arkansas streams provide an abundant supply of water of good quality, suitable for many uses. Localized stream pollution occurs in some areas of agricultural-chemical use, near large urban areas, and near some industrial areas.

Selected water-quality constituents are shown below for sampling sites on some principal streams in the State. Concentrations of the constituents for the 1982 water year are compared to concentrations for the period of record to indicate if significant changes in water quality occurred.

Dissolved solids concentrations for the 1982 water year were within the extreme concentrations for the period of record. Dissolved-solids concentrations, in milligrams per liter, are shown in the following table:

	1982		Period of Record	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	203	288	153	339
St. Francis River at Parkin	101	295	43	302
Cache River at Patterson	--	--	41	242
White River at Clarendon	88	196	38	349
Arkansas River at David D. Terry Lock and Dam below Little Rock	189	558	117	600
Red River at Index	212	566	157	1260
Ouachita River at Camden	44	78	30	193

The highest dissolved-chloride concentration found in the major streams in 1982 was 210 milligrams per liter in the Arkansas River at David D. Terry Lock and Dam below Little Rock. This concentration did not exceed the maximum concentration for the period of record and was within tolerance for most uses. Dissolved chloride concentrations, in milligrams per liter, are shown in the following table:

	1982		Period of Record	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	13	23	7.9	30
St. Francis River at Parkin	5.4	9.3	1.8	13
Cache River at Patterson	3.8	15	1.7	16
White River at Clarendon	4.2	8.7	.8	70
Arkansas River at David D. Terry Lock and Dam below Little Rock	55	210	13	220
Red River at Index	29	150	23	405
Ouachita River at Camden	4.5	11	3.1	79

The lowest dissolved-oxygen concentrations of 5.9 milligrams per liter were found in the Red River at Index. All dissolved-oxygen concentrations listed below met State standards. Dissolved-oxygen concentrations, in milligrams per liter, are shown in the following table:

	1982		Period of record	
	Minimum	Maximum	Minimim	Maximum
Mississippi River at Memphis, Tennessee	6.8	13.5	6.1	13.3
St. Francis River at Parkin	7.2	9.8	3.8	12.6
Cache River at Patterson	--	--	1.5	13.4
White River at Clarendon	7.1	12.1	5.3	12.8
Arkansas River at David D. Terry Lock and Dam below Little Rock	6.5	12.3	5.5	13.9
Red River at Index	5.9	12.4	6.1	12.1
Ouachita River at Camden	6.4	12.6	4.7	12.7

The Ouachita River at Camden had a new minimum suspended-sediment concentration for 1982. Suspended-sediment concentrations, in milligrams per liter, are shown in the following table:

	1982		Period of record	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	64	495	25	740
St. Francis River at Parkin	30	322	14	1510
Cache River at Patterson	--	--	52	220
White River at Clarendon	30	204	8	337
Arkansas River at David D. Terry Lock and Dam below Little Rock	11	281	2	644
Red River at Index	33	1150	20	8820
Ouachita River at Camden	8	32	11	639

Ground Water

Ground-water levels in the Quaternary deposits in the heavy rice-growing area of east-central Arkansas (Grand Prairie) declined about 1 foot from the previous year. Increased ground-water withdrawals for rice irrigation in the Cache and L'Anguille River basins in northeast Arkansas caused water-level declines of 1 to 2 feet in the Quaternary deposits.

The water table in the deposits of Quaternary age slopes southward from an altitude of about 280 feet, National Geodetic Vertical Datum of 1929, in the northeastern part of the State to about 100 feet in the southeastern part. The normal slope of the water table is interrupted in parts of Lonoke, Prairie, and Arkansas Counties where large withdrawals for irrigation have caused the formation of an elongated cone of depression with a northwest to southeast axis. Water levels are as much as 117 feet below land surface in Arkansas County. Water levels in the alluvium west of Crowley's Ridge in Poinsett and Cross Counties are about 114 feet below land surface.

Water levels in the Sparta Sand of Tertiary age rose about 1 foot in the Grand Prairie from the previous year; and declined as much as 3-1/2 feet in the El Dorado area. Water levels at Magnolia and Pine Bluff rose about 4-1/2 feet in the industrial areas. Elsewhere in the State, water levels in the Sparta Sand rose about 2-1/4 feet from the previous year. Large withdrawals of water at El Dorado for municipal and industrial use are responsible for the water level declines. Water levels in the deepest parts of the cones of depression at El Dorado and Magnolia are at an altitude of 168 and 24 feet below mean sea level, respectively. Water levels are more than 440 feet below land surface in places near El Dorado. At Pine Bluff, water levels in places are at an altitude of 68 feet below mean sea level or approximately 270 feet below land surface.

Ground-Water Quality

Arkansas has vast quantities of ground water that is generally of good quality. At some locations ground water must be treated for human consumption and for industrial use. In an attempt to detect long term changes in ground-water quality, a network of 25 monitoring wells has been established. Those monitoring wells were selected to use for sampling ground water from all major aquifers. Two or more wells are sampled from large aquifers such as the Alluvial and Sparta Sand. Water samples are collected from all monitoring wells at five-year intervals. Sampling schedules are staggered in that 5 to 10 wells are sampled each year.

In 1982, eight wells were sampled, two in the Gunter Sandstone of Ordivician age, one from the Nacatoch Sand of Cretacious age, one in the Roubidoux Formation of Ordivician age, one in the Alluvium of Quaternary age, one from the Tokio Formation of Cretacious age, one in the Trinity Group of Cretaceous age, and one in the Wilcox Group of Eocene age. Chemical analyses of water from these wells are located in the "Ground-Water Levels and Quality" section near the end of this report.

DEFINITION OF TERMS

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

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

Algae are mostly aquatic single-celled, colonial, or multicelled plants, containing chlorophyll and lacking roots, stems, and leaves.

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

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

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

Total coliform bacteria are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gramnegative, nonspore-forming, rod-shaped bacteria that ferment lactose with gas formation within 48 hours at 35°C. These bacteria are also defined as the organisms that produce colonies within 24 hours when incubated at 35°C ± 0.5°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

Fecal streptoccocal bacteria also are present in intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as grampositive, cocci bacteria that are capable of growth in brain-heart infusion broth. These bacteria are also defined as all the organisms that produce red or pink colonies within 48 hours at 35°C ± 0.5°C on KF-streptococcus agar (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Base flow is fair-weather flow sustained by ground-water discharge.

Bed material is the unconsolidated material of which a steambed, lake, pond, reservoir, or estuary bottom is composed.

Benthic invertebrates are animals inhabiting the bottom of an aquatic environment. They include several types of organisms, such as insect larvae and nymphs, snails, clams, and crayfish. They are frequently used as indicators of environmental quality, because many have restricted mobility during their aquatic life phase, as well as a relatively long lifespan, which allows for response to prevailing and changing water-quality conditions. Many benthic organisms inhabit specific types of environments, which, if changed, result in changes in the composition of the benthic community.

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

Biomass is the amount of living matter present at any given time, expressed as the mass per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry-mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash-mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square meter (g/m^2).

Dry mass refers to the mass of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as ash mass.

Organic mass, or volatile mass of the living substance, is the difference between the dry mass and ash mass and represents the actual mass of the living matter. The organic mass is expressed in the same units as ash mass and dry mass.

Wet mass is the mass of living matter plus contained water.

Biomass pigment ratio provides a simple measurement of the periphyton community to provide information as to whether the aquatic system is primarily autotrophic (producers of organic matter) or heterotrophic (consumers of organic matter). As organic load increases, algae can be replaced by filamentous bacteria and other nonchlorophyll-producing organisms, which results in an increase in the biomass to chlororphyll ratio. The ratio equals biomass (dry mass-ash mass) divided by chlorophyll *a* (ug/L). Increasing ratio values indicate a tendency toward a heterotrophic system.

Bottom material: See Bed material.

Cells/volume refers to the number of cells of any organism, which are counted by using a microscope and grid of counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

Cfs-day is the volume of water represented by flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons, or 2,447 cubic meters.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll *a* and *b* are the two most common pigments in plants.

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

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

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

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

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

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

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

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

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

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

Dissolved oxygen (DO) The dissolved oxygen content of water in equilibrium with air is a function of atmospheric pressure and temperature and the dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved solids, with small temperature changes having the more significant effect. Photosynthesis and respiration may cause diurnal variations in dissolved-oxygen concentration in water of some streams.

Diversity index is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$\overline{d} = - \sum_{i=1}^{s} \frac{n_i}{n} \log_2 \frac{n_i}{n} ,$$

where s is the total number of taxa in the sample of the community, n_i is the number of individuals per taxon, and n is the total number of individuals. Diversity index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

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

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

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

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

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Metamorphic stage refers to the stage of development that an organism exhibits during its transformation from an immature form to an adult form. This developmental process exists for most insects, and the degree of difference from the immature stage to the adult stage varies from relatively slight to pronounced, with many intermediates. Examples of metamorphic stages of insects are egg-larva-pupa-adult or egg-nymph-adult.

Micrograms per gram (ug/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

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

Milligrams per liter (MG/L, mg/L) is a unit expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Milligrams per liter my be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per liter by multiplying by the factors in table 1 on page 6. Concentration of suspended sediment also is expressed in milligrams per liter and is based on the weight of sediment per liter of water-sediment mixture. Sediment concentrations may be converted to parts per million by using the factors in table 3, page 15.

Table 1.--*Factors for conversion of chemical constituents in milligrams per liter to milliequivalents per liter*

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

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

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

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Organism count/area refers to the number or organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meters (m^2), acres, or hectares. Periphyton, benthic organisms and macrophytes are expressed in these terms.

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

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

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

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

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

Classification	Size (mm)	Method of analyses
Clay.....	0.00024- 0.004	Sedimentation.
Silt.....	.004 - .062	Sedimentation.
Sand.....	.062 - 2.	Sedimentation or sieve.
Gravel.....	2. -64.0	Sieve.

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

Percent composition is a unit expressing the ratio of a particular part of a sample or population in terms of types, numbers, mass, or volume.

Pesticides are chemical compounds used to control undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Insecticides and herbicides, which control insects and plants, respectively, are the two categories reported.

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

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

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

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

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

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

Zooplankton form the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environmemt, the zooplankton are a vital part of the aquatic-food web. The zooplankton community is dominated by small crustaceans and rotifers.

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Radioisotopes are isotopic forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus. For example: Ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

Recoverable from bottom material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment, and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses, because different digestion procedures are likely to produce different analytical results.

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

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

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

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

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge by milligrams per liter by 0.0027.

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

Sodium-absorption-ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions with soil and is an index of sodium or alkali hazard to the soil. Water varies, in respect to sodium hazard, from that which can be used for irrigation on almost all soils to that which generally is unsatisfactory for irrigation.

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

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

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

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

Substrate is the physical surface upon which an organism lives.

Natural substrate refers to any naturally-occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lives.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplifies the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multiplate samplers (made of hardboard) for benthic-organism collection, and plexiglass strips for periphyton collection.

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

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

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

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

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

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

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchial scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, Hexagenia limbata, is the following:

Kingdom.....Animal
Phylum.....Arthropoda
Class.....Insecta
Order.....Ephemeroptera
Family.....Ephemeridae
Genus.....Hexagenia
Species.....limbata

Classification levels in this report will be indicated by a series of dots or absence of them. The preceding classification would appear as follows:

ARTHROPODA
.INSECTA
..EPHEMEROPTERA
...EPHEMERIDAE
....HEXAGENIA

The following is a list of common names of orders of benthic invertebrates used in this report.

AMPHIPODA (scuds, sideswimmers)
ANNELIDA (aquatic earthworms, leeches)
COELENTERATA (hydroids, jellyfish)
COLEOPTERA (beetles)
DECAPODA (crayfish, shrimp)
DIPTERA (flies, mosquitoes, midges)
EPHEMEROPTERA (mayflies)
GASTROPODA (snails, limpets)
HEMIPTERA (bugs)
HYDRACARINA (water mites)
ISOPODA (aquatic sow bugs)
MEGALOPTERA (alderflies, dobsonflies, fishflies)
ODONATA (dragonflies, damselflies)
PELECYPODA (clams, mussels)
PLECOPTERA (stoneflies)
PODOCOPA (seed shrimp)

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

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

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

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

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

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

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

WRD is used as an abbreviation for "Water-Resources Data" in REVISED RECORDS paragraph to refer to State annual basic-data reports published before 1975.

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

DOWNSTREAM ORDER AND STATION NUMBER

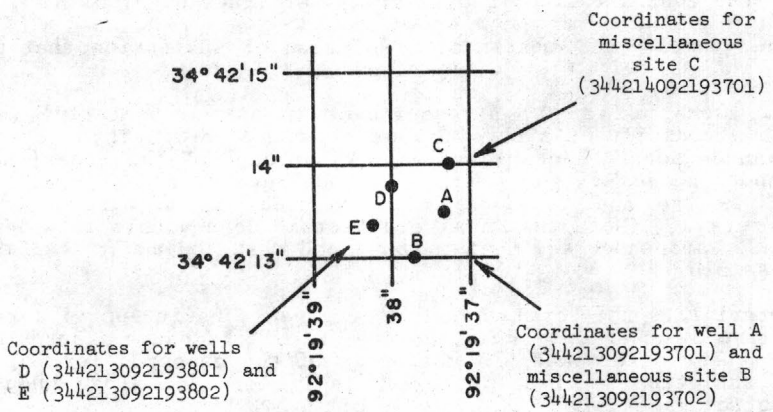
Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream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

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These numbers are in the same downstream order in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that my be established; hence, the numbers are not consecutive. The complete eight-digit number for each station, such as 07060710, which appears just to the left of the station name, includes the two-digit part number "07" plus the six-digit downstream-order number "060710."

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The eight-digit downstream-order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous-site numbering system of the Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15-digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a 1-second grid. See digram below.



SPECIAL NETWORKS AND PROGRAMS

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

National stream-quality accounting network (NASQAN) is a data-collection network designed by the Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated into the network design. Areal configuration of the network is based on river-basin accounting units (identified by eight-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

Pesticide program is a network of regularly sampled water-quality stations where samples are collected to determine the concentration and distribution of pesticides in streams where potential contamination could result from the application of the commonly used insecticides and herbicides. Operation of the network is a Federal interagency activity.

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

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

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and Computation of Data

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

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

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

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

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

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

For some gaging stations, there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. Periods of no gage-height record occur when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise, daily contents may be estimated on the basis of operator's log, prior to subsequent records, inflow-outfow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals, a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs, a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily-mean gage heights are included for some streamflow stations and for some reservoir stations. Records are published for the water year, which begins on October 1 and ends on September 30.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the periods for which there are published records for the existent station or for stations generally equivalent to the existent one are given under "PERIOD OF RECORD."

Previously published streamflow records of some stations have been found to be in from data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. To make it easier to find such revised records, a paragraph headed "REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein are all reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years, only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge are affected by the revision, the fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)," that only the instantaneous minimum was revised; and "(P)," that only the peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. For all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The type gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "National Geodetic Vertical Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualified.

Information pertaining to the accuracy of the discharge records and to conditions that affect the natural flow of the gaging station is given under "REMARKS." For reservoir stations, information on the dam forming the reservoir, (the capacity, outlet works and spillway, and purpose and use of the reservoir) is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations, peak discharges are listed with EXTREMES FOR THE CURRENT YEAR; if they are, all independent peaks, including the maximum for the year, above the selected base, with the time occurrence and corresponding gage heights, are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which peaks are subject to substantial control by man. Time of day is expressed in 24-hour local time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow, in cubic feet per second, during the month. The lines "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed, "AC-FT"). Figures for cubic feet per second per square mile and runoff, in inches, are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, of if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water years.

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

For most gaging stations on lakes and reservoirs, the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs, a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for all reservoirs for which records are published on a daily basis, but it is not published for reservoirs for which only monthly data are given.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. Occasionally, a series of discharge measurements are made within a short time period to investigate the seepage gains or losses along a reach of a stream or to determine the low-flow characteristics of an area. Such measurements are also given in special tables following the tables of partial-record stations.

Accuracy of Field Data and Computed Results

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

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

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

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff, because of the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, discharge in cubic feet per second per square mile and runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoir, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Data Available

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

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

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

The descriptive heading for water-quality records gives the period of record for all water-quality data; the period of daily record for parameters that are measured on a daily basis (specific conductance, pH, dissolved oxygen, water temperature, sediment discharge, etc.); extremes for the period of daily record; extremes for the current year; and general remarks.

Numerical codes have been assigned for agencies collecting and analyzing samples, and are listed in the water-quality tables of this report as follows:

810	Corps of Engineers, U.S. Army
9827	Arkansas Department of Pollution Control and Ecology
1028	U.S. Geological Survey
80513	Arkansas District, WRD, USGS
80010	Atlanta Central Laboratory, WRD, USGS
80020	Denver Central Laboratory, WRD, USGS

Water Analysis

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on page 16.

One sample can adequately define the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Water-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent, as much as possible, the water-quality conditions at the time of sampling, consistent with available sampling techniques and methods of analyses. Where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between the time of a measurement of pH in the field and the determination of carbonate and bicarbonate in the laboratory. Some bacterial concentrations, because of the method of analysis, will be preceded by the symbol "K." The "K" replaces the "B" used in previous data reports. Both symbols mean "Plate count outside ideal range."

Water Temperature

Water temperatures are measured at most water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small daily temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published.

Table 2.--*Degrees Celsius (°C) to degrees Fahrenheit (°F)**

[Temperature reported to nearest 0.5°C]

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
0.0	32	10.0	50	20.0	68	30.0	86	40.0	104
.5	33	10.5	51	20.5	69	30.5	87	40.5	104
1.0	34	11.0	52	21.0	70	31.0	88	41.0	106
1.5	35	11.5	53	21.5	71	31.5	89	41.5	107
2.0	36	12.0	54	22.0	72	32.0	90	42.0	108
2.5	36	12.5	54	22.5	72	32.5	90	42.5	108
3.0	37	13.0	55	23.0	73	33.0	91	43.0	109
3.5	38	13.5	56	23.5	74	33.5	92	43.5	110
4.0	39	14.0	57	24.0	75	34.0	93	44.0	111
4.5	40	14.5	58	24.5	76	34.5	94	44.5	112
5.0	41	15.0	59	25.0	77	35.0	95	45.0	113
5.5	42	15.5	60	25.5	78	35.5	96	45.5	114
6.0	43	16.0	61	26.0	79	36.0	97	46.0	115
6.5	44	16.5	62	26.5	80	36.5	98	46.5	116
7.0	45	17.0	63	27.0	81	37.0	99	47.0	117
7.5	45	17.5	63	27.5	81	37.5	99	47.5	117
8.0	46	18.0	64	28.0	82	38.0	100	48.0	118
8.5	47	18.5	65	28.5	83	38.5	101	48.5	119
9.0	48	19.0	66	29.0	84	39.0	102	49.0	120
9.5	49	19.5	67	29.5	85	39.5	103	49.5	121

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

Sediment

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

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

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

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

Table 3.--*Factors for conversion of sediment concentration in milligrams per liter to parts per million**

[All values calculated to 3 significant figures]

Range of concentration, in 1,000 mg/L	Divide by	Range of concentration, in 1,000 mg/L	Divide by	Range of concentration, in 1,000 mg/L	Divide by	Range of concentration, in 1,000 mg/L	Divide by
0 - 8	1.00	201-217	1.13	411-424	1.26	619-634	1.39
8.05- 24	1.01	218-232	1.14	427-440	1.27	636-650	1.40
24.2 - 40	1.02	234-248	1.15	443-457	1.28	652-666	1.41
40.5 - 56	1.03	250-264	1.16	460-473	1.29	668-682	1.42
56.5 - 72	1.04	266-280	1.17	476-489	1.30	684-698	1.43
72.5 - 88	1.05	282-297	1.18	492-506	1.31	700-715	1.44
88.5 -104	1.06	299-313	1.19	508-522	1.32	717-730	1.45
105 -120	1.07	315-329	1.20	524-538	1.33	732-747	1.46
121 -136	1.08	331-345	1.21	540-554	1.34	749-762	1.47
137 -152	1.09	347-361	1.22	556-570	1.35	765-780	1.48
153 -169	1.10	363-378	1.23	572-585	1.36	782-796	1.49
170 -185	1.11	380-393	1.24	587-602	1.37	798-810	1.50
186 -200	1.12	395-409	1.25	604-617	1.38		

*Based on water density of 1.000 g/mL and a specific gravity of sediment of 2.65.

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the Data

The ground-water-level data in this report comprise information for a basic network of observation wells. The water-level measurements are intended to provide a sample and historical record of water-level fluctuations in the State's most productive aquifers.

Data are included for 79 wells in Arkansas (fig. 5). Nine of the wells are equipped with automatic recorders and the rest are measured manually one or more times each year. The wells selected are located so as to provide areal coverage of data-collection points for the most productive aquifers.

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is provided for local needs. See diagram on page 10.

Measurements are made in many types of wells and under varying conditions of access and at different temperatures, hence, neither the method of measurement nor the equipment can be standardized, it is determined by conditions at a particular site. However, the equipment and techniques used are those that will insure that measurements at each well are consistent.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-four manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, VA 22202 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations".

1-D1. *Water temperature--influential factors, field measurement, and data presentation,* by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents,* by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
2-D1. *Application of surface geophysics to ground-water investigations,* by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
2-E1. *Application of borehole geophysics to water-resources investigations,* by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
3-A1. *General field and office procedures for indirect discharge measurements,* by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
3-A2. *Measurement of peak discharge by the slope-area method,* by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
3-A3. *Measurement of peak discharge at culverts by indirect methods,* by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
3-A4. *Measurement of peak discharge at width contractions by indirect methods,* by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
3-A5. *Measurement of peak discharge at dams by indirect methods,* by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
3-A6. *General procedure for gaging streams,* by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
3-A7. *Stage measurements at gaging stations,* by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
3-A8. *Discharge measurements at gaging stations,* by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
3-A11. *Measurement of discharge by moving-boat method,* by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
3-B1. *Aquifer-test design, observation, and data analysis,* by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction,* by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
3-C1. *Fluvial sediment concepts,* by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
3-C2. *Field methods for measurement of fluvial sediment,* by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
3-C3. *Computation of fluvial-sediment discharge,* by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
4-A1. *Some statistical tools in hydrology,* by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
4-A2. *Frequency curves,* by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
4-B1. *Low-flow investigations,* by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
4-B2. *Storage analyses for water supply,* by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
4-B3. *Regional analyses of streamflow characteristics,* by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
4-D1. *Computation of rate and volume of stream depletion by wells,* by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
5-A1. *Methods for determination of inorganic substances in water and fluvial sediments,* by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.
5-A2. *Determination of minor elements in water by emission spectroscopy,* by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
5-A3. *Methods for analysis of organic substances in water,* by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.
5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples,* edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.
5-A5. *Methods for determination of radioactive substances in water and fluvial sediments,* by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
5-C1. *Laboratory theory and methods for sediment analysis,* by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments,* by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water,* by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
8-A1. *Methods of measuring water levels in deep wells,* by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
8-B2. *Calibration and maintenance of vertical-axis type current meters,* by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

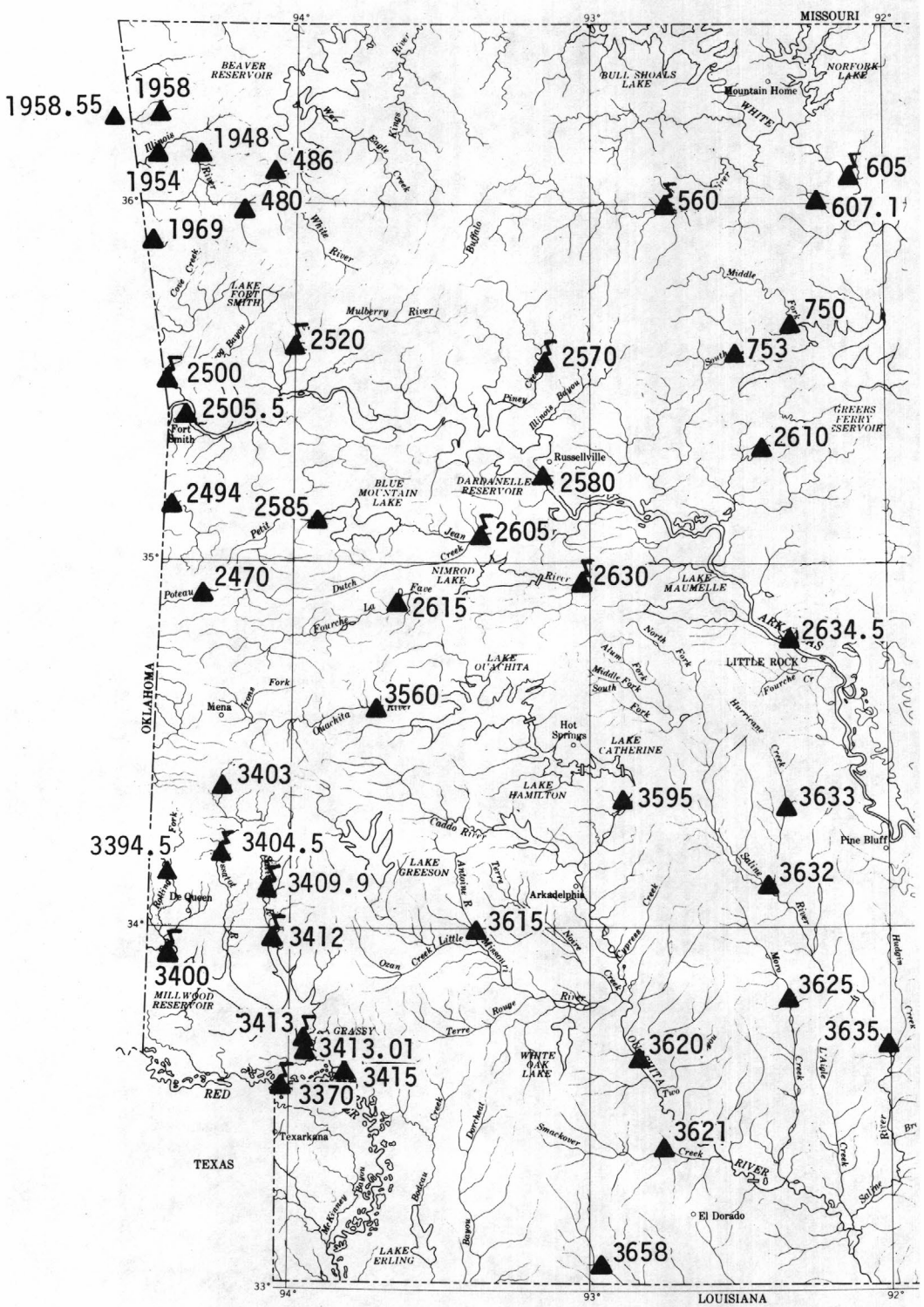


Figure 1.--Locations of continuous-record gaging stations in western Arkansas.

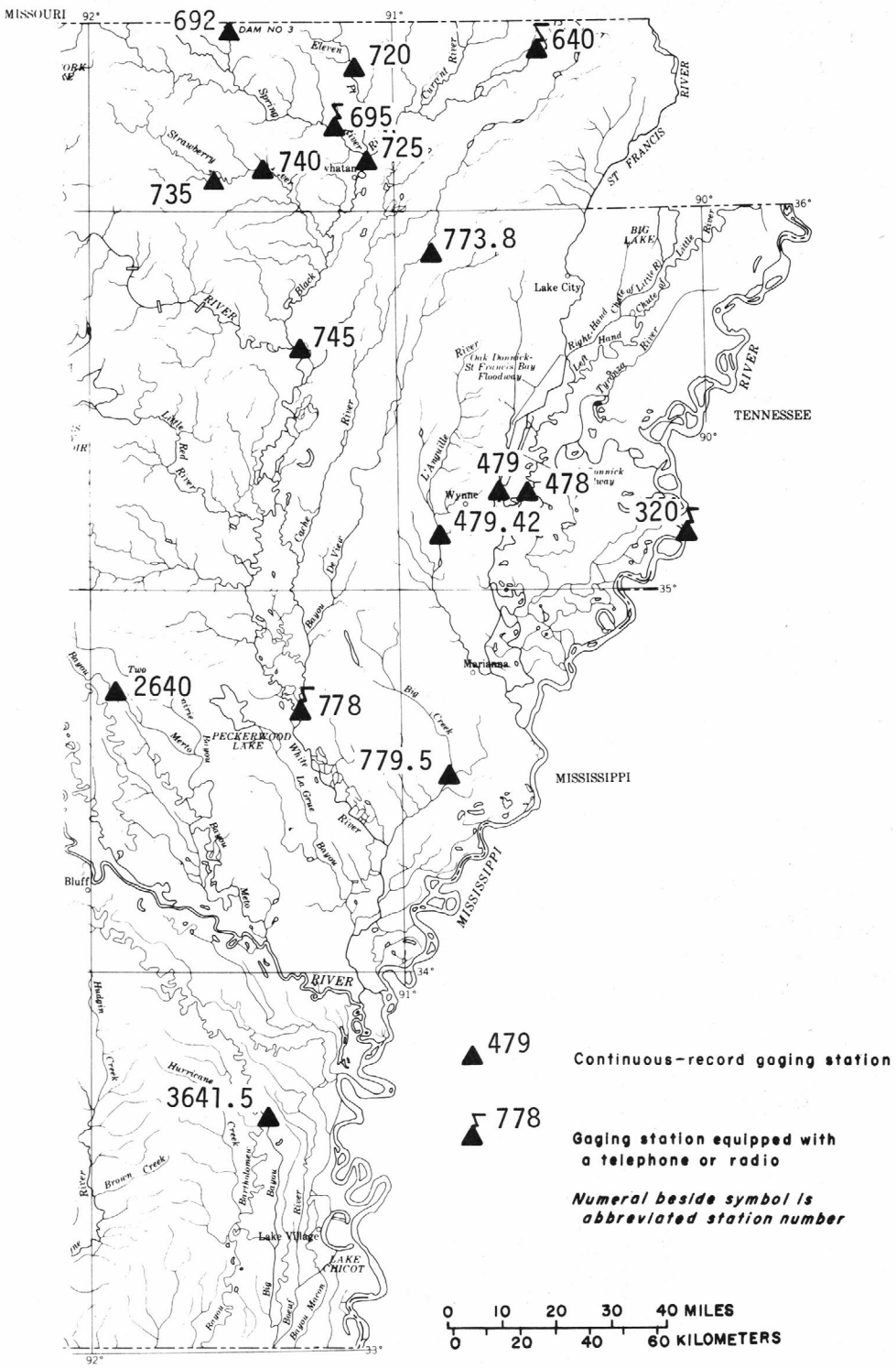


Figure 2.--Locations of continuous-record gaging stations in eastern Arkansas.

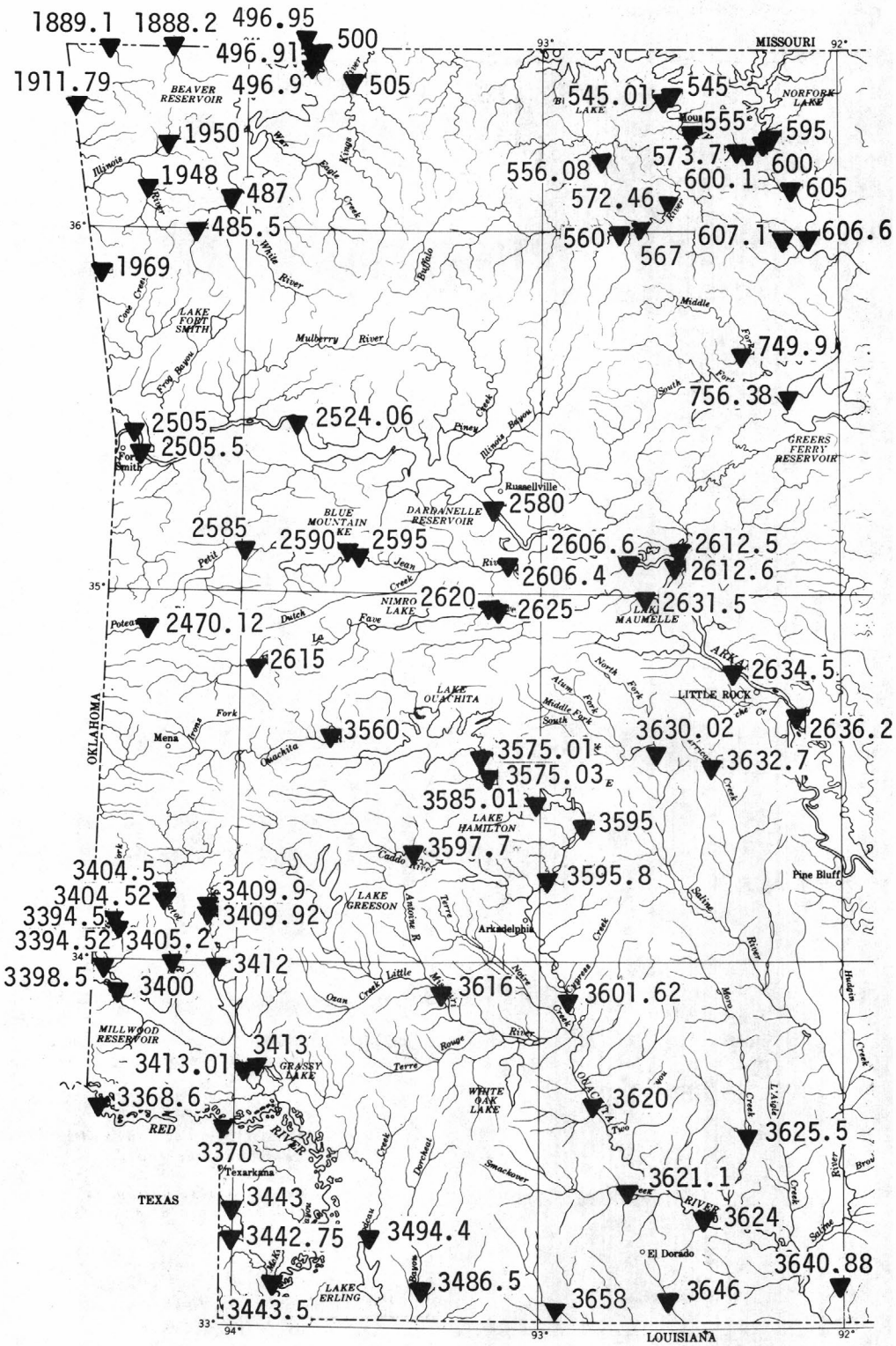


Figure 3.--Locations of water-quality stations in western Arkansas.

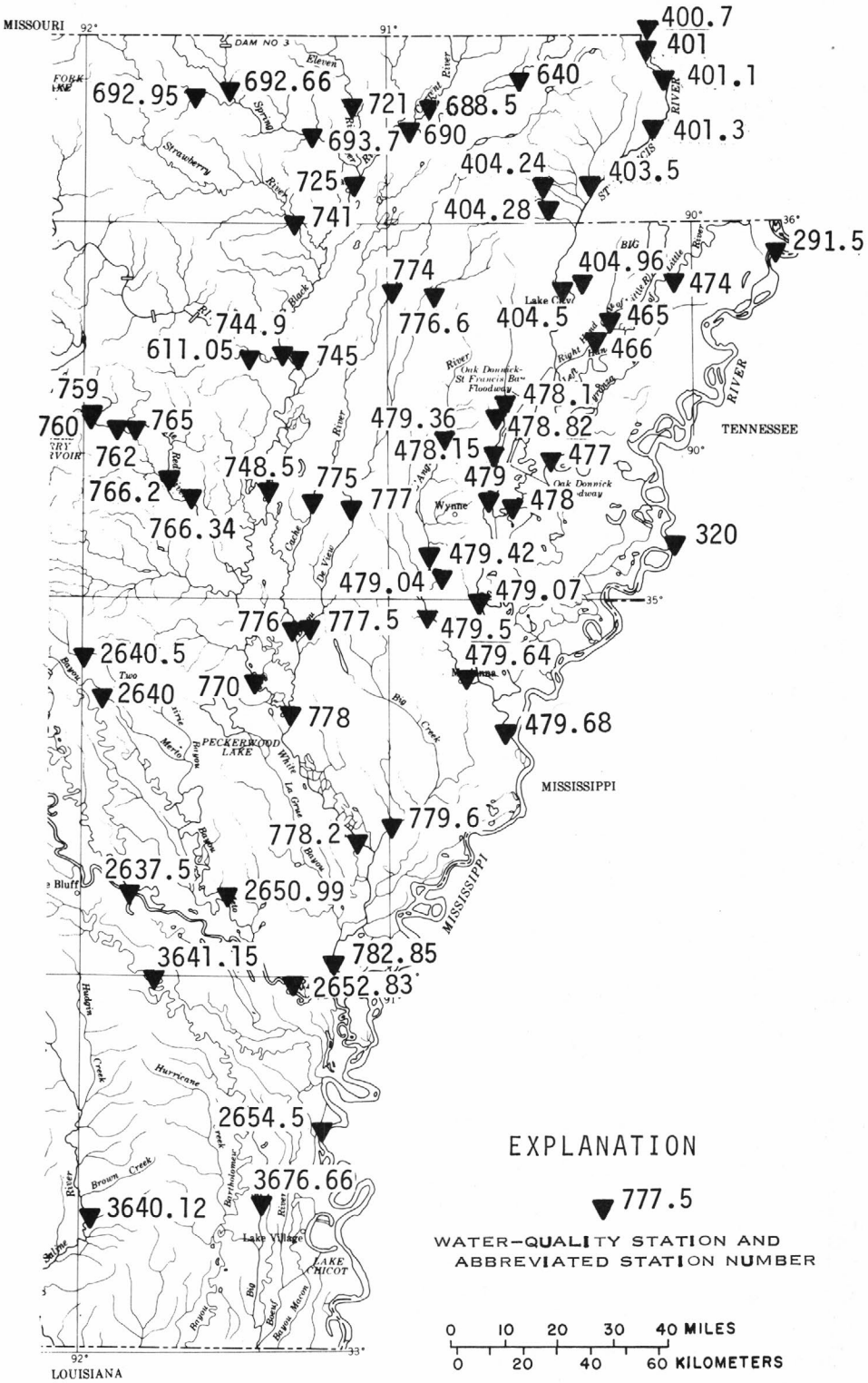


Figure 4.--Locations of water-quality stations in eastern Arkansas.

MISSISSIPPI RIVER MAIN STEM

07029150 MISSISSIPPI RIVER AT BARFIELD, AR

LOCATION.--Lat 35°54'03", long 89°45'36", in sec.24, T.15 N., R.12 E., Mississippi County, Hydrologic Unit 08010100, at west bank, 0.3 mi (0.5 km) southeast of the east end of State Highway 18, 0.4 mi (0.6 km) southeast of Barfield, and at mile 810.4 (1,303.9 km).

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT									
06...	0745	9827	9827	8.2	22.0	20.0	20	8.3	90
NOV									
03...	0745	9827	9827	8.1	16.0	14.0	40	9.9	95
DEC									
08...	0800	9827	9827	8.1	9.0	8.0	--	11.3	95
JAN									
05...	0810	9827	9827	8.1	3.0	4.0	65	12.8	98
FEB									
09...	0845	9827	9827	7.7	-1.0	1.0	250	12.2	86
MAR									
09...	1300	9827	9827	7.7	9.0	5.0	120	11.2	88
APR									
20...	0845	9827	9827	7.9	15.0	13.0	80	9.5	90
MAY									
18...	0855	9827	9827	7.8	22.0	20.0	15	--	--
JUN									
08...	0830	9827	9827	7.6	31.0	23.0	320	--	--
JUL									
06...	0830	9827	9827	7.6	27.5	28.0	90	7.0	89
AUG									
03...	0910	9827	9827	7.8	27.5	29.0	15	6.2	79
31...	0855	9827	9827	7.7	25.0	26.0	110	--	--
SEP									
28...	1010	9827	9827	7.8	21.5	21.0	100	8.5	94

DATE	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)
OCT									
06...	15	2.9	340	184	75	--	294	.40	33
NOV									
03...	17	2.5	160	204	77	25	302	.41	89
DEC									
08...	17	2.7	94	180	60	23	265	.36	25
JAN									
05...	17	7.6	12	168	59	--	259	.35	122
FEB									
09...	35	3.7	1300	114	33	14	185	.25	305
MAR									
09...	33	4.4	88	140	34	19	228	.31	268
APR									
20...	20	4.1	180	178	59	19	255	.35	148
MAY									
18...	29	5.0	130	176	54	19	285	.39	242
JUN									
08...	35	4.9	240	160	51	17	248	.34	326
JUL									
06...	20	3.5	<4	198	56	21	277	.38	148
AUG									
03...	23	1.8	740	174	39	16	252	.34	229
31...	19	--	1000	150	53	17	236	.32	191
SEP									
28...	17	3.2	800	156	56	19	237	.32	184

07029150 MISSISSIPPI RIVER AT BARFIELD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT								
06...	1.0	.060	.74	.80	1.8	8.0	.140	.070
NOV								
03...	1.5	.040	--	<.10	--	--	.200	.050
DEC								
08...	--	.090	.31	.40	--	--	.190	.040
JAN								
05...	1.7	.140	.36	.50	2.2	9.7	.270	--
FEB								
09...	1.1	.240	1.4	1.60	2.7	12	.570	.110
MAR								
09...	--	.330	.57	.90	--	--	.410	.010
APR								
20...	2.5	.050	.65	.70	3.2	14	.250	.060
MAY								
18...	2.1	.030	1.4	1.40	3.5	15	.340	.050
JUN								
08...	2.8	.050	.95	1.00	3.8	17	--	.030
JUL								
06...	3.1	.060	--	--	--	--	.180	.050
AUG								
03...	--	.100	.50	.60	--	--	--	.080
31...	1.7	.080	--	--	--	--	--	.050
SEP								
28...	.93	.040	--	--	--	--	.280	.070

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT								
06...	0745	--	<1	--	<10	--	<5	--
NOV								
03...	0745	6	<1	5	<10	--	8	--
DEC								
08...	0800	5	<1	8	<10	--	10	32
JAN								
05...	0810	12	<1	9	15	--	--	28
FEB								
09...	0845	8	<1	17	16	--	21	340
MAR								
09...	1300	7	<1	9	15	--	<5	31
APR								
20...	0845	6	<1	12	<10	--	<5	28
MAY								
18...	0855	--	<1	10	13	--	<5	40
JUN								
08...	0830	12	<1	--	14	--	--	60
JUL								
06...	0830	6	<1	4	12	<1.0	<5	63
AUG								
03...	0910	14	<1	10	<10	--	<5	32
31...	0855	<5	<1	7	<10	--	<5	72
SEP								
28...	1010	14	<1	9	14	--	<5	23

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT											
06...	0745	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JAN											
05...	0810	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
20...	0845	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
06...	0830	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
28...	1010	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN

LOCATION.--Lat 35°07'37", long 90°04'25", Shelby County, Hydrologic Unit 08010100, on left bank 50 ft (15 m) downstream from Harahan Bridge at Memphis, 1.3 mi (2.1 km) downstream from Beale Street gage, 3.5 mi (5.6 km) downstream from Wolf River, 62.4 mi (100.4 km) upstream from St. Francis River, and at mile 734.8 (1,182.3 km).

DRAINAGE AREA.--932,800 mi^2 (2,416,000 km^2), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: January 1933 to September 1980. Monthly discharge only for some periods, published in WSP 1311.
Gage heights: October 1934 to September 1951 and October 1952 to September 1980 in reports of Geological Survey. Since November 1871, at Beale Street gage, in reports of Mississippi River Commission, December 1890 to August 1932 at Beale Street gage, September 1932 to December 1934 at nonrecording gage 1,000 ft (305 m) downstream, and since December 1934 at water-stage recorder at present site, in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 183.91 ft (56.056 m) National Geodetic Vertical Datum of 1929. Prior to Apr. 16, 1934, Beale Street nonrecording gage 1.3 mi (2.1 km) upstream at present datum. Apr. 16 to Dec. 21, 1934, nonrecording gage 1,000 ft (305 m) downstream at present datum.

REMARKS.--Flow regulated upstream by many locks, dams, and reservoirs.

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--47 years, 475,800 ft^3/s (13,500 m^3/s), 344,700,000 acre-ft/yr (425 km^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,980,000 ft^3/s (56,100 m^3/s) Feb. 8, 1937; maximum gage height, 48.69 ft (14.841 m) Feb. 10, 1937; minimum discharge, 79,200 ft^3/s (2,240 m^3/s) Aug. 26, 1936; minimum gage height, -5.70 ft (-1.737 m) Sept. 21, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage prior to 1937, 46.55 ft (14.188 m) Apr. 9, 1913, at Beale Street gage or about 45.2 ft (13.78 m) at present site.

EXTREMES FOR 1980 WATER YEAR.--Maximum discharge, 1,260,000 ft^3/s (35,700 m^3/s) Apr. 3; maximum gage height, 31.99 ft (9.751 m) Apr. 8; minimum daily discharge, 222,000 ft^3/s (6,290 m^3/s) July 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	643000	324000	833000	692000	511000	541000	1250000	595000	514000	351000	261000	373000
2	628000	333000	864000	696000	474000	558000	1250000	538000	474000	361000	246000	318000
3	606000	325000	876000	696000	438000	557000	1250000	504000	427000	376000	258000	287000
4	585000	324000	885000	689000	405000	534000	1250000	488000	388000	382000	266000	267000
5	570000	349000	885000	671000	381000	493000	1250000	485000	361000	383000	276000	260000
6	568000	390000	885000	639000	364000	451000	1240000	484000	356000	390000	277000	271000
7	559000	420000	862000	593000	344000	419000	1220000	488000	398000	405000	262000	298000
8	545000	448000	832000	542000	323000	404000	1230000	487000	479000	414000	249000	319000
9	528000	483000	776000	499000	302000	410000	1210000	471000	552000	401000	248000	332000
10	512000	511000	702000	464000	285000	451000	1180000	442000	601000	378000	262000	341000
11	495000	517000	623000	446000	277000	535000	1140000	403000	627000	355000	274000	356000
12	480000	518000	564000	436000	275000	618000	1120000	368000	630000	330000	283000	355000
13	464000	521000	544000	431000	282000	679000	1110000	345000	617000	319000	286000	340000
14	449000	536000	519000	431000	289000	718000	1090000	324000	597000	324000	285000	318000
15	436000	550000	503000	445000	286000	739000	1060000	312000	581000	334000	280000	287000
16	434000	559000	504000	480000	285000	752000	1030000	310000	567000	349000	273000	271000
17	442000	564000	528000	522000	290000	783000	1020000	315000	552000	364000	289000	266000
18	453000	564000	561000	551000	299000	786000	1020000	328000	537000	374000	313000	262000
19	459000	561000	596000	567000	316000	804000	1020000	351000	521000	372000	346000	264000
20	462000	548000	619000	572000	334000	847000	1030000	380000	506000	357000	383000	269000
21	457000	534000	624000	568000	351000	891000	1030000	452000	493000	331000	400000	269000
22	442000	536000	609000	566000	371000	925000	1030000	534000	481000	301000	401000	277000
23	425000	536000	576000	567000	394000	970000	1020000	582000	468000	263000	397000	277000
24	401000	524000	547000	572000	407000	1020000	1000000	594000	469000	235000	406000	278000
25	378000	515000	511000	581000	409000	1070000	989000	584000	454000	222000	436000	282000
26	354000	526000	490000	594000	408000	1110000	958000	573000	427000	225000	459000	287000
27	339000	570000	497000	604000	417000	1140000	909000	571000	406000	238000	472000	286000
28	329000	658000	537000	599000	454000	1170000	840000	575000	398000	252000	471000	283000
29	323000	742000	596000	581000	504000	1200000	759000	577000	380000	268000	461000	274000
30	309000	799000	644000	562000	---	1220000	679000	570000	360000	282000	447000	266000
31	311000	---	672000	542000	---	1240000	---	547000	---	278000	419000	---
TOTAL	14386000	15285000	20264000	17398000	10475000	24035000	32184000	14577000	14621000	10214000	10386000	8833000
MEAN	464100	509500	653700	561200	361200	775300	1073000	470200	487400	329500	335000	294400
MAX	643000	799000	885000	696000	511000	1240000	1250000	595000	630000	414000	472000	373000
MIN	309000	324000	490000	431000	275000	404000	679000	310000	356000	222000	246000	260000
AC-FT	28530000	30320000	40190000	34510000	20780000	47670000	63840000	28910000	29000000	20260000	20600000	17520000

CAL YR 1979 TOTAL 261226000 MEAN 715700 MAX 1540000 MIN 309000 AC-FT 518100000
WTR YR 1980 TOTAL 192658000 MEAN 526400 MAX 1250000 MIN 222000 AC-FT 382100000

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.50	5.90	22.10	18.30	12.70	13.10	30.80	16.80	12.60	7.70	2.80	8.70
2	18.00	6.30	23.00	18.50	11.50	13.70	31.30	14.70	11.60	7.90	1.70	6.20
3	17.30	5.90	23.40	18.60	10.30	13.80	31.40	13.40	10.00	8.50	2.30	4.20
4	16.60	5.80	23.70	18.50	9.20	13.20	31.70	12.40	8.70	8.70	2.70	2.70
5	16.10	7.00	23.80	18.10	8.20	12.00	31.80	12.10	7.50	8.70	3.30	1.90
6	16.00	8.80	23.90	17.30	7.50	10.50	31.80	12.10	7.10	8.80	3.30	2.20
7	15.70	10.00	23.40	16.20	6.70	9.40	31.80	12.20	8.50	9.20	2.40	3.40
8	15.20	11.10	22.70	14.60	5.60	8.70	31.90	12.40	11.30	9.60	1.60	4.20
9	14.60	12.40	21.30	13.10	4.50	8.70	31.50	12.00	13.80	9.30	1.50	4.50
10	14.00	13.40	19.20	11.90	3.50	9.80	30.80	11.10	15.50	8.50	2.40	5.20
11	13.40	13.60	16.90	11.20	3.00	12.40	30.00	9.90	16.50	7.50	3.10	6.20
12	12.80	13.60	15.10	10.80	2.80	15.00	29.60	8.50	16.70	6.40	3.60	6.40
13	12.20	13.70	14.50	10.60	3.10	16.80	29.00	7.30	16.40	5.70	3.80	6.00
14	11.60	14.10	13.60	10.50	3.60	18.10	28.80	6.00	15.80	5.90	3.70	5.20
15	11.10	14.50	13.00	10.70	3.50	18.80	28.10	5.00	15.30	6.40	3.40	3.80
16	11.00	14.70	13.00	11.80	3.30	19.20	27.50	4.50	14.80	7.20	3.00	2.90
17	11.30	14.80	13.80	13.10	3.60	20.20	27.10	4.50	14.40	8.00	3.90	2.60
18	11.70	14.70	14.90	14.00	4.00	20.30	27.00	4.80	13.90	8.50	5.20	2.40
19	11.90	14.50	16.00	14.50	4.80	20.70	27.10	5.60	13.40	8.70	6.80	2.50
20	12.00	14.00	16.70	14.70	5.80	21.40	27.30	6.70	12.90	8.20	8.50	2.80
21	11.80	13.40	16.80	14.60	6.60	22.70	27.40	9.20	12.60	7.20	9.20	2.80
22	11.20	13.40	16.30	14.40	7.40	23.30	27.30	12.00	12.40	5.60	9.30	3.30
23	10.50	13.30	15.20	14.40	8.40	24.30	27.20	13.80	12.10	3.80	9.20	3.30
24	9.50	12.80	14.20	14.50	9.00	25.50	26.90	14.30	12.10	1.80	9.60	3.40
25	8.50	12.40	12.90	14.70	9.00	26.50	26.60	14.20	12.00	.60	10.70	3.60
26	7.40	12.70	12.10	15.00	9.00	27.30	26.10	13.90	11.20	.60	11.50	3.90
27	6.70	14.10	12.30	15.40	9.20	27.90	25.20	13.90	10.60	1.60	12.00	3.90
28	6.20	16.80	13.70	15.30	10.20	28.80	23.70	14.00	10.20	2.50	12.00	3.80
29	5.90	19.40	15.60	14.80	11.90	29.60	22.00	14.20	9.50	3.40	11.70	3.30
30	5.30	21.10	17.10	14.20	---	30.00	19.50	14.10	8.40	4.30	11.30	2.90
31	5.30	---	17.90	13.60	---	30.70	---	13.60	---	3.90	10.40	---

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN--CONTINUED
(National stream-quality accounting network and pesticide station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1973 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: February 1973 to September 1981.
WATER TEMPERATURES: February 1973 to September 1981.

COOPERATION.--Pesticide samples were collected by the U.S. Geological Survey and were analyzed by the Environmental Protection Agency.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (FTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
07...	0845	80513	80010	198000	484	8.1	19.5	22	8.5	92
DEC										
02...	0900	80513	80010	250000	470	7.8	8.0	27	11.2	94
FEB										
08...	1530	80513	80010	925000	270	7.4	.0	140	13.5	92
APR										
13...	1645	80513	80010	758000	377	7.9	9.5	160	10.2	89
JUN										
10...	1045	80513	80010	393000	365	8.0	21.5	150	7.3	82
AUG										
03...	1700	80513	80010	380000	398	8.1	29.0	85	6.8	87

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
OCT										
07...	430	K20	180	39	47	15	22	21	.8	3.4
DEC										
02...	1000	380	160	34	41	15	26	25	1.0	2.7
FEB										
08...	K89	1100	96	29	27	7.0	13	22	.6	2.0
APR										
13...	370	120	140	34	38	12	20	23	.8	2.2
JUN										
10...	K430	410	140	33	39	11	14	17	.5	2.4
AUG										
03...	670	K40	160	40	42	13	17	19	.6	3.2

DATE	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
OCT									
07...	140	63	21	.3	3.8	288	260	.39	154000
DEC									
02...	130	60	23	.3	4.7	280	251	.38	189000
FEB									
08...	67	34	14	.3	5.2	212	143	.29	529000
APR									
13...	110	37	15	.2	7.8	233	199	.32	477000
JUN									
10...	110	39	13	.3	6.8	221	192	.30	235000
AUG									
03...	119	36	14	.3	8.0	203	206	.28	208000

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 07...	.91	.070	.09	.88	.200	.110	67	35800	88
DEC 02...	1.5	.150	.19	.49	.150	.070	64	43200	88
FEB 08...	1.4	.260	.33	1.40	.320	.060	218	544000	94
APR 13...	2.3	.100	.13	.37	.360	.100	361	739000	74
JUN 10...	2.8	.080	.10	.80	.290	.080	495	525000	94
AUG 03...	2.1	.110	.14	<.10	.260	.120	126	129000	98

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA) (01006)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD) (01026)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT 07...	0845	4	4	100	30	70	1	--	<1	20
FEB 08...	1530	2	2	300	0	300	1	--	<1	30
APR 13...	1645	2	2	100	0	--	2	--	<3	20
AUG 03...	1700	4	2	200	0	--	1	0	1	20

DATE	TIME	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR) (01031)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO) (01036)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU) (01041)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044)
OCT 07...	0845	10	10	3	1	2	190	160	33	2200	2200
FEB 08...	1530	20	10	2	0	2	35	18	17	9300	9200
APR 13...	1645	10	10	4	--	<1	110	85	25	7800	7700
AUG 03...	1700	10	10	<1	--	<1	100	70	30	5400	5400

DATE	TIME	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB) (01050)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN) (01054)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG) (71895)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
OCT 07...	0845	26	17	13	4	210	180	32	.2	.1	.1
FEB 08...	1530	150	19	14	5	310	300	14	<.1	--	--
APR 13...	1645	58	26	19	7	350	340	9	<.1	--	.2
AUG 03...	1700	13	16	10	6	180	180	4	<.1	--	<.1

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE) (01146)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT 07...	0845	<1	--	2	<1	<1	120	10	110
FEB 08...	1530	2	0	2	<1	<1	190	0	190
APR 13...	1645	2	0	2	<1	<1	60	10	<3
AUG 03...	1700	2	0	2	<1	<1	120	10	110

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	MALATHION, TOTAL (UG/L) (39530)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39333)
DEC 02...	0900	<.10	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<0	<1	<.1
APR 13...	1645	<.10	<.01	<.01	<.01	.01	<.01	<.01	<.01	<1	2	<.1

DATE	CHLORDANE, TOTAL (UG/L) (39350)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG) (39363)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39368)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG) (39373)	DIAZINON, TOTAL (UG/L) (39570)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)
DEC 02...	<.10	<1.0	<.01	<.1	<.1	<.1	.06	<.1	<.01	<.1	<.1
APR 13...	<.10	<1.0	<.01	.8	<.1	<.1	.01	<.1	<.01	<.1	<.1

DATE	ETHION, TOTAL (UG/L) (39398)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL TRITHION, TOTAL (UG/L) (39790)	MIREX, TOTAL (UG/L) (39755)
DEC 02...	<.01	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.01
APR 13...	<.01	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.01

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) (39758)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) (39250)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39251)	PARATHION, TOTAL (UG/L) (39540)	PERTHANE IN BOTTOM MATERIL (UG/KG) (81886)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	TOTAL TRITHION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2, 4-DP TOTAL (UG/L) (82183)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)
DEC 02...	<.1	<.10	<1.0	<.01	<.10	<1.0	<.01	<.01	<.01	<.01	<.01
APR 13...	<.1	<.10	<1.0	<.01	<1.00	<10	<.01	.07	<.01	<.01	<.01

07040000 ST. FRANCIS RIVER AT FISK, MO

LOCATION.--Lat 36°46'50", long 90°12'08", in NW 1/4 SW 1/4 sec.28, T.24 N., R.8 E., Butler-Stoddard County line, Hydrologic Unit 08020203, at bridge on U.S. Highway 60, at Fisk, Mo.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	ICE COVER (SEVERITY) (01355)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT 21...	0915	80513	80513	--	101	221	8.0	15.0	.55	5.1	50	25
NOV 17...	0945	80513	80513	--	197	259	8.1	11.0	.30	9.4	85	27
DEC 16...	1100	80513	80513	--	302	290	8.3	5.0	.46	10.8	85	11
JAN 20...	1215	80513	80513	3	--	209	7.6	.0	--	12.4	85	--
FEB 24...	0945	80513	80513	--	6150	120	7.6	7.0	.46	12.0	99	40
MAR 17...	0830	80513	80513	--	3650	181	8.2	14.0	.46	10.4	101	83
APR 20...	0800	80513	80513	--	1170	184	7.9	16.0	.30	9.0	92	41
MAY 19...	0900	80513	80513	--	133	187	7.6	23.0	.46	6.6	77	44
JUN 22...	0845	80513	80513	--	2160	190	8.2	25.5	.40	7.8	95	70
JUL 21...	0845	80513	80513	--	115	235	8.2	28.0	.37	6.0	77	38
AUG 25...	1100	80513	80513	--	123	202	7.5	26.0	.12	7.1	88	95
SEP 22...	0815	80513	80513	--	2530	157	7.8	20.5	.15	8.2	91	48

DATE	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT 21...	6.8	81	94	98	100	--	30	33	83	99	100
NOV 17...	14	88	95	97	100	--	6	9	87	99	100
DEC 16...	9.0	87	87	97	100	--	11	19	85	99	100
JAN 20...	--	--	--	--	--	--	--	--	--	--	--
FEB 24...	664	65	72	89	98	100	2	2	45	97	100
MAR 17...	818	75	81	99	100	--	2	5	84	100	--
APR 20...	130	75	81	98	100	--	2	4	71	99	100
MAY 19...	16	86	89	90	94	100	15	24	85	99	100
JUN 22...	408	86	95	98	100	--	2	2	73	99	100
JUL 21...	12	97	98	99	100	--	20	47	97	99	100
AUG 25...	32	96	97	99	100	--	3	3	61	99	100
SEP 22...	328	75	86	98	100	--	1	2	77	99	100

07040057 ST. FRANCIS RIVER NEAR POWE, MO

LOCATION.--Lat 36°39'38", long 90°08'32", in SW 1/4 SE 1/4 sec.1, T.23 N., R.9 E., Butler County, Hydrologic Unit 08020203, at bridge on county road, 2.3 mi (3.7 km) west of Powe, Mo.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
OCT 21...	1015	80513	80513	145	15.0	.55	32	13	57
NOV 17...	1030	80513	80513	175	11.0	.37	27	13	88
DEC 16...	1000	80513	80513	488	5.0	.46	17	22	74
JAN 20...	1015	80513	80513	152	.0	.15	39	16	68
FEB 24...	1100	80513	80513	7060	7.0	.30	244	4650	45
MAR 17...	1015	80513	80513	3910	15.0	.30	198	2090	64
APR 20...	0930	80513	80513	1380	16.0	.15	111	414	77
MAY 19...	1000	80513	80513	268	23.0	.30	84	61	96
JUN 22...	0930	80513	80513	2100	25.5	.37	234	1330	53
JUL 21...	1000	80513	80513	259	29.0	.30	59	41	97
AUG 25...	1200	80513	80513	2210	24.0	.09	1730	10300	97
SEP 22...	0915	80513	80513	2520	20.5	.09	91	619	87

DATE	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT 21...	70	95	100	--	3	7	53	99	100
NOV 17...	90	96	100	--	10	26	96	99	100
DEC 16...	90	95	100	--	2	3	74	97	100
JAN 20...	74	89	94	100	3	3	52	95	100
FEB 24...	60	97	99	100	1	1	56	97	100
MAR 17...	76	99	100	--	1	1	65	99	100
APR 20...	82	97	100	--	1	1	53	98	100
MAY 19...	98	99	100	--	2	3	68	98	100
JUN 22...	61	92	100	--	2	2	49	96	100
JUL 21...	98	98	100	--	2	2	69	97	100
AUG 25...	98	99	100	--	1	1	47	98	100
SEP 22...	97	100	--	--	3	3	12	81	100

07040060 ST. FRANCIS RIVER NEAR GLENNONVILLE, MO

LOCATION.--Lat 36°34'22", long 90°11'06", in NE 1/4 NW 1/4 sec.10, T.22 N., R.8 E., Butler-Dunklin County line, Hydrologic Unit 08020203, at bridge on Missouri State Highway 53, 1.7 mi (2.7 km) southwest of Glennonville, Mo.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	ICE COVER (SEVERITY) (01355)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
OCT										
21...	1100	80513	80513	--	183	15.5	.46	27	13	68
NOV										
17...	1110	80513	80513	--	157	11.0	.37	29	12	77
DEC										
16...	0915	80513	80513	--	425	6.0	.46	13	15	81
JAN										
20...	0945	80513	80513	4	--	.0	--	--	--	--
FEB										
24...	1200	80513	80513	--	6990	7.0	.30	290	5470	43
MAR										
17...	1115	80513	80513	--	3300	15.0	.30	283	2520	65
APR										
20...	1045	80513	80513	--	1410	16.0	.15	163	621	72
MAY										
19...	1030	80513	80513	--	318	23.5	.30	75	64	96
JUN										
22...	1030	80513	80513	--	2330	25.0	.40	151	950	78
JUL										
21...	1040	80513	80513	--	320	29.0	.30	57	49	91
AUG										
25...	1250	80513	80513	--	2420	24.0	.09	2600	17000	97
SEP										
22...	0945	80513	80513	--	2520	21.0	.09	181	1230	57

DATE	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT									
21...	77	90	95	100	1	2	90	99	100
NOV									
17...	82	94	100	--	1	1	83	99	100
DEC									
16...	90	100	--	--	0	0	84	99	100
JAN									
20...	--	--	--	--	--	--	--	--	--
FEB									
24...	59	97	99	100	0	0	83	99	100
MAR									
17...	76	99	100	--	1	2	86	100	--
APR									
20...	79	97	99	100	0	1	82	99	100
MAY									
19...	96	97	100	--	1	2	77	99	100
JUN									
22...	83	97	100	--	1	1	74	99	100
JUL									
21...	95	99	100	--	1	1	80	99	100
AUG									
25...	98	99	100	--	2	3	77	99	100
SEP									
22...	73	98	100	--	0	0	75	99	100

07040070 WILHELMINA CUTOFF NEAR CAMPBELL, MO

LOCATION.--Lat 36°30'53", long 90°09'30", in SW 1/4 SW 1/4 sec.25, T.22 N., R.8 E., Dunklin County, Hydrologic Unit 08020203, at bridge on county road 4.7 mi (7.6 km) northwest of Campbell, Mo., off Missouri State Highway 53.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	ICE COVER (SEVERITY) (01355)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
OCT 21...	1130	80513	80513	--	186	15.5	.30	26	13
NOV 16...	1600	80513	80513	--	202	13.0	.30	35	19
DEC 16...	0830	80513	80513	--	379	5.0	.46	19	19
JAN 20...	0830	80513	80513	4	--	.0	--	--	--
FEB 24...	1300	80513	80513	--	6700	7.0	.15	208	3760
MAR 17...	1230	80513	80513	--	4550	15.0	.30	249	3060
APR 20...	1200	80513	80513	--	1240	16.0	.15	298	998
MAY 19...	1100	80513	80513	--	316	23.5	.30	89	76
JUN 23...	0815	80513	80513	--	1950	25.5	.30	204	1070
JUL 21...	1210	80513	80513	--	308	29.0	.30	64	53
AUG 26...	1230	80513	80513	--	1140	24.5	.09	414	1270
SEP 21...	1430	80513	80513	--	2370	22.0	.09	125	800

DATE	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT 21...	86	90	96	100	1	1	87	99	100
NOV 16...	78	85	93	100	1	1	79	99	100
DEC 16...	82	95	97	100	3	3	85	99	100
JAN 20...	--	--	--	--	--	--	--	--	--
FEB 24...	60	77	99	100	0	1	89	99	100
MAR 17...	78	86	98	100	0	0	90	100	--
APR 20...	41	46	99	100	1	1	97	100	--
MAY 19...	82	84	96	100	0	0	88	100	--
JUN 23...	62	70	99	100	1	1	92	99	100
JUL 21...	97	98	99	100	4	5	92	99	100
AUG 26...	94	96	99	100	1	1	89	99	100
SEP 21...	78	85	99	100	1	20	99	100	--

07040100 ST. FRANCIS RIVER AT ST. FRANCIS, AR

LOCATION.--Lat 36°27'21", long 90°08'13", in sec.18, T.21 N., R.9 E., Clay County, Hydrologic Unit 08020203, at bridge on U.S. Highway 62 at St. Francis, and at mile 229 (368 km).

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

COOPERATION.--Additional records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	ICE COVER (SEVERITY) (01355)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)
OCT								
06...	1140	9827	9827	--	--	--	7.7	21.0
20...	1500	80513	80513	--	434	240	8.2	--
NOV								
03...	1125	9827	9827	--	--	--	8.0	20.0
16...	1540	80513	80513	--	208	265	8.2	--
DEC								
08...	1115	9827	9827	--	--	--	8.1	10.0
15...	1445	80513	80513	--	416	308	8.3	--
JAN								
05...	1135	9827	9827	--	--	--	7.5	11.0
20...	0915	80513	80513	3	--	189	7.4	--
FEB								
23...	1000	9827	9827	--	--	--	7.3	19.0
23...	1530	80513	80513	--	7190	112	7.6	--
MAR								
09...	0905	9827	9827	--	--	--	7.5	1.0
16...	1600	80513	80513	--	4020	111	7.7	--
APR								
19...	1515	80513	80513	--	1250	290	7.8	--
20...	1330	9827	9827	--	--	--	7.4	20.0
MAY								
18...	1225	9827	9827	--	--	--	7.6	27.0
18...	1500	80513	80513	--	647	172	8.0	--
JUN								
08...	1155	9827	9827	--	--	--	7.8	--
23...	0900	80513	80513	--	1980	203	8.2	--
JUL								
06...	1210	9827	9827	--	--	--	7.6	33.0
21...	1120	80513	80513	--	305	323	8.1	--
AUG								
03...	1310	9827	9827	--	--	--	8.1	35.0
24...	1400	80513	80513	--	286	266	8.1	--
31...	1250	9827	9827	--	--	--	7.4	30.0
SEP								
21...	1400	80513	80513	--	2590	167	8.0	--

ST. FRANCIS RIVER BASIN

07040100 ST. FRANCIS RIVER AT ST. FRANCIS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT									
06...	20.0	30	--	7.1	77	2.4	190	106	27
20...	15.0	--	.24	10.6	105	--	--	--	--
NOV									
03...	16.0	35	--	9.7	97	2.3	52	124	15
16...	13.0	--	.30	10.3	98	--	--	--	--
DEC									
08...	8.0	--	--	11.6	97	4.1	<4	148	19
15...	6.0	--	.46	12.0	97	--	--	--	--
JAN									
05...	5.0	340	--	10.3	80	4.3	28	80	15
20...	.0	--	--	12.8	88	--	--	--	--
FEB									
23...	7.0	45	--	11.7	96	1.8	12	50	16
23...	7.0	--	.15	8.4	69	--	--	--	--
MAR									
09...	6.0	55	--	11.2	90	1.7	<4	60	10
16...	13.0	--	.30	9.0	86	--	--	--	--
APR									
19...	16.0	--	.15	8.6	88	--	--	--	--
20...	17.0	50	--	7.2	74	2.8	60	90	16
MAY									
18...	24.0	45	--	--	--	2.6	40	80	11
18...	25.0	--	.15	8.7	106	--	--	--	--
JUN									
08...	--	35	--	8.3	--	2.1	4	84	15
23...	25.5	--	.37	7.0	85	--	--	--	--
JUL									
06...	29.0	80	--	6.3	81	3.3	120	120	11
21...	29.0	--	.30	5.0	65	--	--	--	--
AUG									
03...	30.0	25	--	7.3	96	3.0	20	144	8.0
24...	27.0	--	.09	7.5	95	--	--	--	--
31...	26.0	90	--	--	--	--	100	92	13
SEP									
21...	22.0	--	.09	7.7	88	--	--	--	--

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT								
06...	--	143	.19	40	.05	.010	.090	.010
NOV								
03...	7.5	148	.20	60	.02	.030	.080	<.010
DEC								
08...	5.5	157	.21	91	--	.020	.100	<.010
JAN								
05...	--	242	.33	159	.31	.160	.480	--
FEB								
23...	6.0	--	--	65	.43	.070	.140	.010
MAR								
09...	5.5	108	.15	104	--	.050	.140	.020
APR								
20...	4.0	128	.17	46	.07	.090	.140	.020
MAY								
18...	4.5	119	.16	75	.04	.010	.130	.040
JUN								
08...	6.0	111	.15	50	.04	.040	--	.010
JUL								
06...	19	164	.22	98	.16	.090	.140	.040
AUG								
03...	24	199	.27	60	--	.040	--	.010
31...	13	468	.64	122	.20	.090	--	.090

07040100 ST. FRANCIS RIVER AT ST. FRANCIS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	1140	--	<1	--	<10	--	<5	--
NOV								
03...	1125	<5	<1	5	<10	--	<5	--
DEC								
08...	1115	<5	<1	2	<10	--	<5	28
JAN								
05...	1135	<5	<1	11	17	--	--	89
FEB								
23...	1000	10	<1	3	<10	--	<5	48
MAR								
09...	0905	<5	1	<1	<10	--	<5	50
APR								
20...	1330	<5	<1	2	<10	--	<5	46
MAY								
18...	1225	--	<1	<1	<10	--	<5	27
JUN								
08...	1155	<5	<1	--	<10	--	--	21
JUL								
06...	1210	8	<1	<1	15	<1.0	<5	62
AUG								
03...	1310	<5	<1	<1	<10	--	<5	38
31...	1250	<5	<1	8	15	--	<5	41

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV											
03...	1125	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB											
23...	1000	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
18...	1225	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
03...	1310	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07040100 ST. FRANCIS RIVER AT ST. FRANCIS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
OCT							
20...	1500	62	73	95	97	98	100
NOV							
16...	1540	45	25	80	85	94	96
DEC							
15...	1445	27	30	95	97	100	--
FEB							
23...	1530	174	3380	63	73	92	99
MAR							
16...	1600	425	4610	93	96	99	99
APR							
19...	1515	190	641	71	74	99	100
MAY							
18...	1500	100	175	96	97	98	100
JUN							
23...	0900	158	845	89	93	98	100
JUL							
21...	1120	112	92	97	98	99	100
AUG							
24...	1400	76	59	93	94	99	100
SEP							
21...	1400	138	965	84	91	99	100

DATE	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT						
20...	--	62	80	93	98	100
NOV						
16...	100	69	87	95	97	100
DEC						
15...	--	29	74	98	99	100
FEB						
23...	100	20	27	90	99	100
MAR						
16...	100	1	3	80	99	100
APR						
19...	--	5	12	83	99	100
MAY						
18...	--	57	64	87	100	--
JUN						
23...	--	19	61	98	99	100
JUL						
21...	--	40	69	99	99	100
AUG						
24...	--	24	30	83	99	100
SEP						
21...	--	4	14	84	97	100

07040110 ST. FRANCIS RIVER NEAR PIGGOTT, AR

LOCATION.--Lat 36°23'50", long 90°04'40", in SE 1/4 SW 1/4 sec.3, T.20 N., R.9 E., Clay County, Hydrologic Unit 08020203, at bridge on State Highway 1, 6.0 mi (9.6 km) east of Piggott.

DRAINAGE AREA.--1,776 mi^2 (4,600 km^2).

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
OCT 20...	1415	80513	80513	--	393	15.0	.15	89	94	92
NOV 16...	1430	80513	80513	--	246	13.5	.30	51	34	76
DEC 15...	1400	80513	80513	--	591	6.0	.61	21	34	89
JAN 19...	1500	80513	80513	--	1000	.0	.30	55	148	68
FEB 23...	1400	80513	80513	67	5980	7.0	.15	170	2750	69
23...	1430	80513	80513	68	823	7.0	.15	63	140	69
MAR 16...	1500	80513	80513	--	4730	13.0	.15	650	8300	77
APR 19...	1400	80513	80513	--	1420	16.0	.15	220	843	80
MAY 18...	1400	80513	80513	--	734	25.5	.30	138	273	91
JUN 23...	1015	80513	80513	--	2330	25.5	.37	217	1370	83
JUL 20...	1540	80513	80513	--	351	32.0	.24	82	78	98
AUG 24...	1330	80513	80513	--	235	30.0	.09	68	43	94
SEP 21...	1315	80513	80513	--	2200	21.5	.09	181	1080	75

DATE	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT 20...	95	96	98	100	2	2	62	92	100	--
NOV 16...	85	95	100	--	1	1	61	93	99	100
DEC 15...	95	97	100	--	1	1	24	83	98	100
JAN 19...	74	85	93	100	1	1	25	87	99	100
FEB 23...	82	97	99	100	1	1	58	95	98	100
23...	83	97	100	--	64	66	71	76	97	100
MAR 16...	84	99	100	--	1	2	80	96	100	--
APR 19...	87	99	100	--	0	0	78	96	100	--
MAY 18...	95	98	100	--	1	2	70	98	100	--
JUN 23...	90	98	100	--	0	0	38	88	99	100
JUL 20...	99	99	100	--	1	1	62	91	100	--
AUG 24...	95	100	--	--	0	0	69	94	99	100
SEP 21...	83	98	99	100	0	0	50	93	100	--

07040130 ST. FRANCIS RIVER AT HOLLY ISLAND, AR

LOCATION.--Lat 36°14'11", long 90°07'52", in SW 1/4 NE 1/4 sec.32, T.19 N., R.9 E., Clay County, Hydrologic Unit 08020203, at bridge on State Highway 90, at Holly Island.

DRAINAGE AREA.--1,788 mi^2 (4,631 km^2).

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	ICE COVER (SEVERITY) (01355)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
OCT											
20...	1315	80513	80513	--	--	442.	14.5	.15	70	84	76
NOV											
16...	1345	80513	80513	--	--	321	13.0	.30	53	46	85
DEC											
15...	1245	80513	80513	--	--	425	5.0	.46	20	23	85
JAN											
19...	1330	80513	80513	--	4	--	--	--	--	--	--
FEB											
23...	1215	80513	80513	67	--	4230	7.0	.15	174	1990	56
23...	1245	80513	80513	68	--	3030	7.0	.15	106	867	67
MAR											
16...	1245	80513	80513	67	--	3940	12.0	.15	958	10200	96
16...	1330	80513	80513	68	--	1580	13.0	.15	929	3960	96
APR											
19...	1300	80513	80513	--	--	1340	16.0	.15	350	1270	95
MAY											
18...	1230	80513	80153	--	--	1010	25.0	.30	92	251	97
JUN											
21...	1500	80513	80513	--	--	2410	25.0	.37	34	221	69
JUL											
20...	1430	80513	80513	--	--	290	30.0	.15	92	72	97
AUG											
24...	1230	80513	80513	--	--	334	28.0	.12	93	84	88
SEP											
21...	1215	80513	80513	--	--	2390	22.0	.09	142	916	96

DATE	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT										
20...	82	92	98	100	3	3	40	87	99	100
NOV										
16...	93	96	97	100	4	4	20	76	98	100
DEC										
15...	85	94	100	--	1	1	42	88	99	100
JAN										
19...	--	--	--	--	--	--	--	--	--	--
FEB										
23...	63	91	99	100	0	0	52	97	100	--
23...	73	96	100	--	32	43	84	96	100	--
MAR										
16...	98	99	100	--	0	0	30	93	100	--
16...	98	99	99	100	83	97	99	99	100	--
APR										
19...	97	99	99	100	1	1	4	68	94	100
MAY										
18...	98	99	100	--	1	1	42	95	100	--
JUN										
21...	88	94	100	--	1	1	28	87	99	100
JUL										
20...	98	99	100	--	4	4	6	70	100	--
AUG										
24...	91	97	100	--	4	4	20	86	97	100
SEP										
21...	97	99	100	--	0	0	37	90	99	100

07040350 BIG SLOUGH DITCH NEAR PARAGOULD, AR

LOCATION.--Lat 36°02'25", long 90°21'39", in SE 1/4 SW 1/4 sec.5, T.16 N., R.6 E., Greene County, Hydrologic Unit 08020203, at bridge on State Highway 25, 6.9 mi (11.1 km) east of Paragould.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	ICE COVER (SEVERITY) (01355)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 20...	1130	80513	80513	--	.00	350	8.0	14.5	--	9.7
NOV 16...	1245	80513	80513	--	.00	353	8.3	14.5	--	10.0
DEC 15...	1200	80513	80513	--	.00	350	8.2	6.0	--	10.6
JAN 19...	1230	80513	80513	4	--	--	--	--	--	--
FEB 23...	1115	80513	80513	--	.00	284	8.1	16.0	--	9.3
MAR 16...	1200	80513	80513	--	.00	194	7.7	18.0	--	8.6
APR 19...	1215	80513	80513	--	.00	278	7.9	18.0	--	7.0
MAY 15...	1145	80513	80513	--	.00	345	8.0	31.5	--	8.3
JUN 21...	1415	80513	80513	--	.00	325	8.3	26.0	--	9.8
JUL 20...	1300	80513	80513	--	284	402	8.2	32.5	.15	8.6
AUG 24...	1120	80513	80513	--	.00	331	8.0	29.0	--	7.0
SEP 21...	1120	80513	80513	--	.00	350	8.2	21.0	--	8.6

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)
OCT 20...	95	--	--	--	--	--	--	--	--	--
NOV 16...	98	--	--	--	--	--	--	--	--	--
DEC 15...	85	--	--	--	--	--	--	--	--	--
JAN 19...	--	--	--	--	--	--	--	--	--	--
FEB 23...	95	--	--	--	--	--	--	--	--	--
MAR 16...	91	--	--	--	--	--	--	--	--	--
APR 19...	74	--	--	--	--	--	--	--	--	--
MAY 15...	114	--	--	--	--	--	--	--	--	--
JUN 21...	121	--	--	--	--	--	--	--	--	--
JUL 20...	119	70	54	99	99	100	92	96	99	100
AUG 24...	91	--	--	--	--	--	--	--	--	--
SEP 21...	97	--	--	--	--	--	--	--	--	--

07040424 LOCUST CREEK DITCH NEAR PARAGOULD, AR

LOCATION.--Lat 35°58'06", long 90°24'17", in SW 1/4 SW 1/4 sec.36, T.16 N., R.6 E., Greene County, Hydrologic Unit 08020203, at bridge on county road east of State Highway 135, 6.0 mi (9.6 km) southeast of Paragould.

PERIOD OF RECORD.--February 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT											
07...	1415	80513	80513	.00	409	7.8	20.0	--	8.0	88	--
NOV											
04...	1400	80513	80513	250	290	7.4	16.0	.15	6.1	62	216
DEC											
02...	1500	80513	80513	.00	179	7.6	10.0	--	7.6	67	--
JAN											
06...	1500	80513	80513	.00	136	7.4	8.0	--	9.8	83	--
FEB											
10...	0800	80513	80513	.00	69	7.2	.0	--	12.3	84	--
MAR											
03...	1615	80513	80513	28	223	7.3	11.0	--	9.2	84	--
APR											
07...	1515	80513	80513	.00	248	7.7	12.0	--	7.3	68	--
MAY											
05...	1230	80513	80513	.00	322	8.4	24.5	--	14.1	170	--
JUN											
21...	1140	80513	80513	.00	338	7.9	25.0	--	7.8	95	--
JUL											
07...	1100	80513	80513	.00	368	8.0	27.5	--	5.7	72	--
AUG											
04...	1200	80513	80513	.00	350	8.4	31.0	--	10.7	146	--
SEP											
15...	1200	80513	80513	.00	251	8.4	28.5	--	22.0	286	--

DATE	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT											
07...	--	--	--	--	--	--	--	--	--	--	--
NOV											
04...	146	84	86	95	99	100	20	25	94	99	100
DEC											
02...	--	--	--	--	--	--	--	--	--	--	--
JAN											
06...	--	--	--	--	--	--	--	--	--	--	--
FEB											
10...	--	--	--	--	--	--	--	--	--	--	--
MAR											
03...	--	--	--	--	--	--	--	--	--	--	--
APR											
07...	--	--	--	--	--	--	--	--	--	--	--
MAY											
05...	--	--	--	--	--	--	--	--	--	--	--
JUN											
21...	--	--	--	--	--	--	--	--	--	--	--
JUL											
07...	--	--	--	--	--	--	--	--	--	--	--
AUG											
04...	--	--	--	--	--	--	--	--	--	--	--
SEP											
15...	--	--	--	--	--	--	--	--	--	--	--

07040428 EIGHT MILE DITCH NEAR PARAGOULD, AR

LOCATION.--Lat 35°59'16", long 90°25'47", in SW 1/4 NE 1/4 sec.27, T.16 N., R.6 E., Greene County, Hydrologic Unit 08020203, at bridge on county road east of State Highway 135, 4.9 mi (7.9 km) southeast of Paragould.

PERIOD OF RECORD.--May 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	ICE COVER (SEVERITY) (01355)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT												
07...	1345	80513	80513	--	9.4	415	8.1	20.0	.30	7.2	79	230
NOV												
04...	1330	80513	80513	--	209	182	7.5	16.5	.10	7.2	74	238
DEC												
02...	1415	80513	80513	--	19	250	8.0	9.0	>.30	9.6	83	105
JAN												
06...	1400	80513	80513	--	23	272	7.4	8.0	.30	11.2	95	109
FEB												
10...	0745	80513	80513	4	--	--	--	--	--	--	--	--
MAR												
03...	1530	80513	80513	--	31	234	7.1	12.0	.15	10.2	94	79
APR												
07...	1430	80513	80513	--	22	250	7.6	11.0	.15	9.8	89	110
MAY												
05...	1200	80513	80513	--	.00	288	8.9	25.5	--	12.2	149	--
JUN												
21...	1110	80513	80513	--	17	330	8.0	25.5	4.6	7.8	95	40
JUL												
07...	1030	80513	80513	--	13	288	8.0	29.0	.30	7.8	101	69
AUG												
04...	1130	80513	80513	--	9.0	429	8.1	32.0	>.30	8.5	116	44
SEP												
15...	1130	80513	80513	--	14	381	8.3	28.0	.46	11.2	144	29

DATE	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT												
07...	5.8	15	17	28	97	100	2	2	6	76	99	100
NOV												
04...	134	86	88	94	99	100	1	1	8	77	99	100
DEC												
02...	5.4	34	35	42	97	100	2	2	6	69	98	100
JAN												
06...	6.8	61	64	71	98	100	2	2	11	87	99	100
FEB												
10...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
03...	6.6	82	85	92	95	100	1	1	12	85	100	--
APR												
07...	6.5	72	83	90	98	100	1	1	17	85	99	100
MAY												
05...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
21...	1.8	80	82	90	100	--	6	6	9	54	99	100
JUL												
07...	2.4	89	96	98	100	--	1	1	7	82	100	--
AUG												
04...	1.1	92	92	95	100	--	2	2	4	82	100	--
SEP												
15...	1.1	80	85	94	100	--	4	4	6	53	99	100

07040450 ST. FRANCIS RIVER AT LAKE CITY, AR

LOCATION.--Lat 35°49'16", long 90°25'56", in SE 1/4 sec.22, T.14 N., R.6 E., Craighead County, Hydrologic Unit 08020203, at bridge on State Highway 18 at Lake City, and at mile 173.6 (279.3 km).

DRAINAGE AREA.--2,374 mi^2 (6,150 km^2).

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

COOPERATION.--Additional records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT										
06...	0955	9827	9827	--	--	7.6	21.0	20.0	30	--
07...	1300	80513	80513	999	222	7.6	--	18.0	--	.30
NOV										
03...	0955	9827	9827	--	--	7.8	19.0	16.0	35	--
04...	1100	80513	80513	678	232	7.8	--	16.0	--	.30
DEC										
02...	1330	80513	80513	522	315	7.9	--	9.0	--	.15
08...	0950	9827	9827	--	--	7.9	10.0	9.0	40	--
JAN										
05...	1010	9827	9827	--	--	7.5	10.0	5.0	340	--
07...	0830	80513	80513	1270	185	7.7	--	5.0	--	.15
FEB										
09...	1030	9827	9827	--	--	7.2	-3.0	.0	110	--
10...	0830	80513	80513	2070	98	7.5	--	.0	--	.15
10...	1000	80513	80513	7790	86	7.3	--	.0	--	.15
MAR										
04...	0815	80513	80513	1880	180	7.4	--	10.0	--	.15
04...	0900	80513	80513	5920	117	7.3	--	10.0	--	.15
09...	1030	9827	9827	--	--	7.5	6.0	2.0	20	--
APR										
08...	0800	80513	80513	1200	241	7.8	--	10.0	--	.15
20...	1040	9827	9827	--	--	7.4	19.0	17.0	50	--
MAY										
05...	1030	80513	80513	1020	200	7.7	--	21.5	--	.15
05...	1100	80513	80513	865	200	7.9	--	21.5	--	.46
18...	1040	9827	9827	--	--	7.4	27.0	25.0	30	--
JUN										
08...	1020	9827	9827	--	--	7.6	--	--	75	--
10...	1430	80513	80513	866	255	8.1	--	26.0	--	.15
JUL										
06...	1040	9827	9827	--	--	7.5	32.0	29.0	65	--
07...	1000	80513	80513	707	254	7.9	--	29.0	--	.24
AUG										
03...	1115	9827	9827	--	--	7.9	31.0	24.0	55	--
04...	1100	80513	80513	454	310	8.1	--	28.5	--	.15
31...	1050	9827	9827	--	--	7.4	30.0	26.0	85	--
SEP										
15...	1100	80513	80513	1250	188	7.5	--	25.5	--	.30
28...	1145	9827	9827	--	--	7.3	27.0	18.0	30	--

07040450 ST. FRANCIS RIVER AT LAKE CITY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT										
06...	7.3	79	15	2.0	84	106	17	--	140	.19
07...	7.4	79	--	--	--	--	--	--	--	--
NOV										
03...	8.0	80	13	3.0	92	122	15	8.5	165	.22
04...	7.2	73	--	--	--	--	--	--	--	--
DEC										
02...	9.8	85	--	--	--	--	--	--	--	--
08...	--	--	15	--	4	--	16	7.0	159	.22
JAN										
05...	10.0	78	30	3.4	56	78	14	--	244	.33
07...	12.9	102	--	--	--	--	--	--	--	--
FEB										
09...	12.3	87	20	1.4	25	38	9.0	5.5	140	.19
10...	12.6	86	--	--	--	--	--	--	--	--
10...	12.1	83	--	--	--	--	--	--	--	--
MAR										
04...	10.2	90	--	--	--	--	--	--	--	--
04...	9.5	84	--	--	--	--	--	--	--	--
09...	11.6	95	12	1.6	8	66	11	5.5	118	.16
APR										
08...	9.2	81	--	--	--	--	--	--	--	--
20...	6.7	69	18	1.9	50	72	15	5.0	126	.17
MAY										
05...	6.2	70	--	--	--	--	--	--	--	--
05...	6.5	74	--	--	--	--	--	--	--	--
18...	--	--	17	3.2	130	90	13	5.0	136	.19
JUN										
08...	6.2	--	19	2.6	48	110	13	6.5	159	.22
10...	5.7	70	--	--	--	--	--	--	--	--
JUL										
06...	5.8	74	18	2.5	56	118	10	15	152	.21
07...	4.2	54	--	--	--	--	--	--	--	--
AUG										
03...	6.0	70	19	3.2	38	144	9.0	12	191	.26
04...	5.7	74	--	--	--	--	--	--	--	--
31...	6.7	82	18	3.2	170	90	13	13	167	.23
SEP										
15...	4.9	60	--	--	--	--	--	--	--	--
28...	7.4	78	20	1.3	44	76	9.0	7.5	117	.16

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
06...	36	.04	.040	.56	.60	.64	2.8	.090	.040
NOV									
03...	52	.05	.040	--	<.10	--	--	.120	.010
DEC									
08...	--	--	.050	.25	.30	--	--	.120	.020
JAN									
05...	155	.30	.170	1.0	1.20	1.5	6.6	.490	--
FEB									
09...	66	.46	.080	.42	.50	.96	4.2	.270	.160
MAR									
09...	10	--	.030	--	--	--	--	.070	.010
APR									
20...	47	.07	.060	1.4	1.50	1.6	6.9	.140	.020
MAY									
18...	38	.08	.050	.95	1.00	1.1	4.8	.150	.120
JUN									
08...	10	.06	.060	1.0	1.10	1.2	5.1	--	.030
JUL									
06...	88	.16	.090	--	--	--	--	.160	.040
AUG									
03...	84	--	.120	.18	.30	--	--	--	.070
31...	103	.18	.110	--	--	--	--	--	.090
SEP									
28...	25	.03	.040	--	--	--	--	.090	.020

07040450 ST. FRANCIS RIVER AT LAKE CITY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	0955	--	<1	--	<10	--	<5	--
NOV								
03...	0955	<5	<1	3	<10	--	<5	--
DEC								
08...	0950	6	<1	6	<10	--	<5	41
JAN								
05...	1010	<5	<1	11	14	--	--	66
FEB								
09...	1030	10	<1	6	<10	--	14	53
MAR								
09...	1030	<5	<1	<1	<10	--	5	37
APR								
20...	1040	<5	<1	2	10	--	<5	44
MAY								
18...	1040	--	<1	<1	<10	--	<5	23
JUN								
08...	1020	<5	<1	--	<10	--	--	38
JUL								
06...	1040	7	<1	<1	13	<1.0	<5	37
AUG								
03...	1115	8	<1	<1	<10	--	<5	45
31...	1050	<5	<1	5	18	--	<5	51
SEP								
28...	1145	<5	<1	1	<10	--	<5	7

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV											
03...	0955	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB											
09...	1030	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
18...	1040	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
03...	1115	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07040450 ST. FRANCIS RIVER AT LAKE CITY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
OCT							
07...	1300	61	165	81	86	95	98
NOV							
04...	1100	212	388	86	88	95	99
DEC							
02...	1330	42	59	74	82	94	100
JAN							
07...	0830	202	693	92	94	97	99
FEB							
10...	0830	108	604	95	98	99	100
10...	1000	98	2060	68	73	92	99
MAR							
04...	0815	34	173	56	62	86	94
04...	0900	50	799	61	67	90	98
APR							
08...	0800	155	502	76	86	94	98
MAY							
05...	1030	60	165	90	93	97	97
05...	1100	57	133	90	93	97	100
JUN							
10...	1430	103	241	92	95	99	100
JUL							
07...	1000	150	286	98	99	99	100
AUG							
04...	1100	87	107	93	93	99	100
SEP							
15...	1100	42	142	82	88	96	100

DATE	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT						
07...	100	0	0	53	97	100
NOV						
04...	100	2	2	39	91	100
DEC						
02...	--	2	9	77	97	100
JAN						
07...	100	8	27	87	98	100
FEB						
10...	--	2	5	79	99	100
10...	100	24	25	60	94	100
MAR						
04...	100	0	0	60	98	100
04...	100	12	13	66	96	99
APR						
08...	100	2	2	44	93	100
MAY						
05...	100	25	27	57	85	95
05...	--	28	34	65	82	89
JUN						
10...	--	7	10	88	100	--
JUL						
07...	--	1	1	38	92	100
AUG						
04...	--	1	1	27	89	100
SEP						
15...	--	1	1	36	91	100

07040496 COCKLE BURR SLOUGH DITCH NEAR MONETTE, AR

LOCATION.--Lat 35°51'39", long 90°19'49", in SW 1/4 SE 1/4 sec.3, T.14 N., R.7 E., Craighead County, Hydrologic Unit 08020203, at bridge on county road south of State Highway 18, 2.1 mi (3.4 km) southeast of Monette.

PERIOD OF RECORD.--May 1979 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT											
07...	1230	80513	80513	.00	435	8.1	20.0	--	6.1	67	--
NOV											
04...	1030	80513	80513	.00	400	7.8	16.5	--	8.0	82	--
DEC											
02...	1215	80513	80513	.00	410	7.8	9.5	--	10.0	88	--
JAN											
06...	1330	80513	80513	.00	318	7.8	8.0	--	10.8	92	--
FEB											
10...	1100	80513	80513	.00	330	7.5	1.0	--	11.8	83	--
MAR											
03...	1430	80513	80513	.00	397	7.9	13.0	--	9.2	88	--
APR											
07...	1345	80513	80513	.00	400	7.9	11.0	--	8.5	77	--
MAY											
05...	0945	80513	80513	.00	411	7.9	21.5	--	7.3	83	--
JUN											
10...	1330	80513	80513	32	419	8.3	24.5	.67	7.8	94	45
JUL											
07...	0930	80513	80513	7.3	330	8.2	29.0	--	7.0	91	--
AUG											
04...	1000	80513	80513	.00	405	8.1	26.0	--	7.4	91	--
SEP											
15...	1000	80513	80513	.00	395	8.2	26.5	--	9.0	112	--

DATE	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT										
07...	--	--	--	--	--	--	--	--	--	--
NOV										
04...	--	--	--	--	--	--	--	--	--	--
DEC										
02...	--	--	--	--	--	--	--	--	--	--
JAN										
06...	--	--	--	--	--	--	--	--	--	--
FEB										
10...	--	--	--	--	--	--	--	--	--	--
MAR										
03...	--	--	--	--	--	--	--	--	--	--
APR										
07...	--	--	--	--	--	--	--	--	--	--
MAY										
05...	--	--	--	--	--	--	--	--	--	--
JUN										
10...	3.9	71	98	99	100	20	79	99	99	100
JUL										
07...	--	--	--	--	--	--	--	--	--	--
AUG										
04...	--	--	--	--	--	--	--	--	--	--
SEP										
15...	--	--	--	--	--	--	--	--	--	--

07046500 RIGHT HAND CHUTE OF LITTLE RIVER AT BIG LAKE OUTLET, NEAR MANILA, AR

LOCATION.--Lat 35°51'00", long 90°07'40", in sec.10, T.14 N., R.9 E., Mississippi County, Hydrologic Unit 08020204, at Corps of Engineers gaging station at bridge on State Highway 18, 3.5 mi (5.6 km) southeast of Manila, and at mile 23.0 (37.0 km).

DRAINAGE AREA.--2,084 mi^2 (5,398 km^2).

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT									
06...	0910	9827	9827	8.3	21.0	21.0	20	7.8	87
NOV									
03...	0910	9827	9827	8.0	21.0	17.0	20	7.2	74
DEC									
08...	0905	9827	9827	8.1	9.0	9.0	--	10.4	90
JAN									
05...	0925	9827	9827	7.8	5.0	5.0	110	10.8	84
FEB									
09...	0950	9827	9827	7.0	-5.0	.0	340	11.6	82
MAR									
09...	1115	9827	9827	7.9	8.0	7.0	95	11.9	98
APR									
20...	1000	9827	9827	8.0	14.0	17.0	30	7.6	78
MAY									
18...	1000	9827	9827	7.9	24.0	25.0	20	--	--
JUN									
08...	0945	9827	9827	7.9	--	--	20	6.1	--
JUL									
06...	0940	9827	9827	7.8	30.0	30.0	20	3.7	49
AUG									
03...	1030	9827	9827	7.9	29.0	30.0	20	3.5	46
31...	1000	9827	9827	7.8	25.0	25.0	20	4.2	50
SEP									
28...	1100	9827	9827	8.0	23.0	20.0	25	6.3	68

DATE	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)
OCT									
06...	12	2.1	40	--	22	--	255	.35	36
NOV									
03...	12	2.1	8	166	17	17	214	.29	18
DEC									
08...	14	2.1	<4	180	21	18	233	.32	35
JAN									
05...	21	2.2	10	100	18	--	199	.27	94
FEB									
09...	28	1.7	<100	32	7.0	5.5	225	.31	138
MAR									
09...	18	1.3	16	110	15	10	174	.24	89
APR									
20...	18	2.6	<4	136	20	13	180	.24	33
MAY									
18...	18	2.7	16	152	16	16	215	.29	26
JUN									
08...	23	3.9	<4	138	13	15	199	.27	22
JUL									
06...	21	2.2	12	136	8.0	19	187	.25	20
AUG									
03...	14	--	12	172	12	1.4	233	.32	23
31...	15	2.7	20	168	18	17	234	.32	20
SEP									
28...	18	1.9	8	152	12	19	220	.30	24

07046500 RIGHT HAND CHUTE OF LITTLE RIVER AT BIG LAKE OUTLET, NEAR MANILA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT								
06...	.10	.020	.38	.40	.50	2.2	.160	.080
NOV								
03...	.04	.040	--	<.10	--	--	.080	.040
DEC								
08...	--	.040	.96	1.00	--	--	.110	.010
JAN								
05...	.52	.170	.83	1.00	1.5	6.7	.270	--
FEB								
09...	.74	.210	.99	1.20	1.9	8.6	.600	.330
MAR								
09...	--	.080	.32	.40	--	--	.240	.060
APR								
20...	.01	.030	.67	.70	.71	3.1	.170	.050
MAY								
18...	.06	.030	.67	.70	.76	3.4	.160	.080
JUN								
08...	.03	.030	.67	.70	.73	3.2	--	.100
JUL								
06...	.01	.060	--	--	--	--	.130	.070
AUG								
03...	--	.100	.30	.40	--	--	--	.170
31...	.03	.090	--	--	--	--	--	.110
SEP								
28...	.02	.050	--	--	--	--	.120	.040

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
NOV								
03...	0910	<5	<1	<1	<10	--	6	--
DEC								
08...	0905	<5	<1	2	<10	--	5	49
JAN								
05...	0925	5	<1	9	<10	--	--	46
FEB								
09...	0950	8	<1	13	13	--	10	310
MAR								
09...	1115	<5	<1	3	<10	--	<5	36
APR								
20...	1000	<5	<1	1	<10	--	<5	34
MAY								
18...	1000	--	<1	4	<10	--	<5	33
JUN								
08...	0945	<5	<1	--	<10	--	--	10
JUL								
06...	0940	9	<1	<1	25	<1.0	<5	26
AUG								
03...	1030	9	<1	<1	<10	--	<5	19
31...	1000	6	<1	<1	18	--	<5	11
SEP								
28...	1100	<5	<1	8	<10	--	<5	6

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT											
06...	0910	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JAN											
05...	0925	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
06...	0940	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
28...	1100	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07046600 RIGHT HAND CHUTE OF LITTLE RIVER AT RIVERVALE, AR

LOCATION.--Lat 35°40'20", long 90°29'12", in SW 1/4 sec.10, T.12 N., R.7 E., Poinsett County, Hydrologic Unit 08020204, at bridge on State Highway 135 at Rivervale, 9.0 mi (14.5 km) upstream from St. Francis River.

DRAINAGE AREA.--2,106 mi^2 (5,455 km^2).

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT 07...	1200	80513	80513	331	468	8.1	20.0	.46	7.8	86	61
NOV 04...	1000	80513	80513	406	420	8.0	16.0	.30	9.6	98	59
DEC 02...	1130	80513	80513	996	299	7.9	9.0	.30	9.5	83	298
JAN 06...	1145	80513	80513	3440	175	7.4	6.0	.15	11.0	89	806
FEB 10...	1400	80513	80513	8540	130	7.4	.0	.15	13.2	90	362
MAR 03...	1300	80513	80513	1740	335	7.1	10.0	.30	10.2	90	106
APR 07...	1300	80513	80513	1600	310	8.1	12.0	.15	9.0	83	172
MAY 05...	0900	80513	80513	424	430	8.3	22.5	.46	8.7	101	41
JUN 10...	1200	80513	80513	1450	375	8.5	25.5	.15	7.5	91	145
JUL 07...	0830	80513	80513	954	365	8.0	29.5	.30	5.3	70	93
AUG 04...	0900	80513	80513	573	408	8.2	29.0	.15	6.4	83	84
SEP 15...	0900	80513	80513	597	346	8.3	28.5	.30	7.1	92	68

DATE	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT 07...	55	80	84	96	100	--	3	4	75	99	100
NOV 04...	65	80	84	91	97	100	32	56	86	99	100
DEC 02...	801	98	98	99	99	100	3	11	72	96	100
JAN 06...	7490	97	98	99	99	100	29	32	68	98	100
FEB 10...	8350	92	94	99	100	--	1	1	12	82	100
MAR 03...	498	78	79	92	98	100	7	8	11	82	100
APR 07...	743	91	93	98	99	100	11	14	48	94	100
MAY 05...	47	95	96	97	97	100	9	10	51	97	100
JUN 10...	568	88	97	99	100	--	6	16	79	94	100
JUL 07...	240	97	99	99	100	--	64	77	98	99	100
AUG 04...	130	91	92	96	100	--	48	62	95	100	--
SEP 15...	110	90	97	98	100	--	80	89	98	99	100

07047400 PEMISCOT BAYOU AT DELL, AR

LOCATION.--Lat 35°51'30", long 90°02'48", in SW 1/4 sec.5, T.14 N., R.10 E., Mississippi County, Hydrologic Unit 08020204, at bridge on State Highway 119, 0.7 mi (1.1 km) north of Dell.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
06...	0840	9827	9827	29	7.9	22.0	21.0	5.0	3.5	39	2.1
NOV											
03...	0845	9827	9827	38	7.6	19.0	17.0	7.9	5.8	60	3.5
DEC											
08...	0815	9827	9827	34	7.8	18.0	9.0	--	9.1	78	3.9
JAN											
05...	0900	9827	9827	162	7.1	5.0	6.0	>1000	8.9	71	5.1
FEB											
09...	0930	9827	9827	182	7.3	-3.0	.0	1000	11.7	82	4.7
MAR											
09...	1135	9827	9827	--	7.6	8.0	10.0	45	8.9	79	2.8
APR											
20...	0935	9827	9827	13	7.5	15.0	16.0	55	6.9	69	3.7
MAY											
18...	0935	9827	9827	17	7.8	23.0	23.0	30	--	--	9.9
JUN											
08...	0915	9827	9827	7.0	7.7	--	--	35	12.3	--	6.6
JUL											
06...	0910	9827	9827	22	7.6	28.0	28.0	20	12.0	152	8.5
AUG											
03...	1000	9827	9827	--	8.1	29.0	29.0	20	12.4	159	7.9
31...	0940	9827	9827	13	7.8	25.0	25.0	25	8.2	98	5.8
SEP											
28...	0930	9827	9827	11	7.8	22.0	23.0	25	8.2	94	3.3

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
06...	4	170	24	--	282	.38	6	.97	.120	.240	.180
NOV											
03...	92	136	26	15	238	.32	12	1.6	.040	.480	.350
DEC											
08...	24	128	23	19	239	.33	17	--	.350	.960	.790
JAN											
05...	--	56	17	--	458	.62	438	.97	.530	1.95	--
FEB											
09...	500	70	8.0	6.5	212	.29	672	.73	.530	1.15	.400
MAR											
09...	4	194	21	11	273	.37	62	--	.910	.460	.040
APR											
20...	30	142	23	7.0	201	.27	84	.80	.690	.340	.050
MAY											
18...	36	230	30	40	318	.43	60	.58	.010	.320	.040
JUN											
08...	<4	212	26	9.0	277	.38	50	.24	.030	--	.020
JUL											
06...	56	188	22	12	236	.32	29	.06	.040	.300	.020
AUG											
03...	68	216	15	7.5	295	.40	33	--	.010	--	.070
31...	250	202	31	13	290	.39	32	.25	.090	--	.380
SEP											
28...	180	200	25	17	291	.40	22	.36	.190	.230	.130

07047400 PEMISCOT BAYOU AT DELL, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	0840	--	<1	--	10	--	<5	--
NOV								
03...	0845	<5	<1	2	<10	--	<5	--
DEC								
08...	0815	19	<1	2	<10	--	7	29
JAN								
05...	0900	6	1	27	37	--	--	230
FEB								
09...	0930	28	<1	35	34	--	<5	360
MAR								
09...	1135	<5	<1	2	<10	--	<5	44
APR								
20...	0935	8	<1	7	<10	--	<5	42
MAY								
18...	0935	<5	<1	3	<10	--	<5	20
JUN								
08...	0915	11	<1	--	<10	--	--	14
JUL								
06...	0910	10	<1	<1	<10	<1.0	<5	18
AUG								
03...	1000	12	<1	1	<10	--	<5	15
31...	0940	23	<1	3	21	--	7	19
SEP								
28...	0930	11	<1	2	24	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT											
06...	0840	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JAN											
05...	0900	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
20...	0935	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
06...	0910	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
28...	0930	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07047700 TYRONZA RIVER NEAR TWIST, AR

LOCATION.--Lat 35°22'30", long 90°28'00", in NE 1/4 SE 1/4 sec.29, T.9 N., R.6 E., Crittenden County, Hydrologic Unit 08020203, at bridge on State Highway 42, 0.4 mi (0.6 km) downstream from Mack Bayou, and 2.1 mi (3.4 km) east of Twist.

DRAINAGE AREA.--533 mi^2 (1,380 km^2).

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT											
06...	1810	9827	9827	8.1	22.0	22.0	30	7.1	81	1.4	48
NOV											
03...	0610	9827	9827	8.0	14.5	15.5	25	8.5	83	2.3	64
DEC											
08...	1822	9827	9827	7.9	8.0	10.0	--	9.1	81	2.4	40
JAN											
05...	1625	9827	9827	7.3	2.0	7.0	>1000	9.2	75	--	10
FEB											
09...	0640	9827	9827	7.3	-2.0	1.0	2700	12.7	89	2.9	200
APR											
20...	0710	9827	9827	6.7	15.0	17.0	1100	4.7	48	2.1	--
MAY											
18...	0705	9827	9827	7.8	22.0	19.0	95	--	--	4.0	80
JUN											
08...	0650	9827	9827	7.7	24.0	26.0	55	7.2	88	4.2	24
JUL											
06...	0650	9827	9827	7.5	27.0	28.0	340	5.4	68	2.9	90
AUG											
03...	0735	9827	9827	8.2	26.0	27.5	60	7.1	90	5.6	12
31...	0720	9827	9827	8.0	24.0	26.0	45	7.2	88	3.5	120

DATE	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT										
06...	274	32	--	346	.47	53	.01	.030	.120	.020
NOV										
03...	238	33	12	297	.40	36	.01	.020	.130	.010
DEC										
08...	212	31	7.5	280	.38	52	--	.100	.150	<.010
JAN										
05...	78	19	--	502	.68	1190	.87	.320	1.85	--
FEB										
09...	90	10	6.0	446	.61	1590	.95	.260	1.80	.490
APR										
20...	48	11	2.5	320	.44	480	1.3	.310	.910	.280
MAY										
18...	--	33	8.0	330	.45	161	.07	.030	.290	.130
JUN										
08...	170	30	7.0	222	.30	76	.05	.060	--	.010
JUL										
06...	140	24	10	197	.27	265	.73	.150	.170	.030
AUG										
03...	232	26	6.0	295	.40	110	--	.020	--	.070
31...	262	39	9.5	349	.47	94	.01	.040	--	.110

07047700 TYRONZA RIVER NEAR TWIST, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	1810	--	<1	--	<10	--	<5	--
NOV								
03...	0610	<5	<1	3	<10	--	<5	--
DEC								
08...	1822	10	<1	7	<10	--	<5	26
JAN								
05...	1625	<5	<1	26	46	--	--	260
FEB								
09...	0640	16	<1	48	64	--	<5	310
APR								
20...	0710	10	<1	14	33	--	<5	130
MAY								
18...	0705	--	<1	4	<10	--	<5	27
JUN								
08...	0650	<5	<1	--	14	--	--	20
JUL								
06...	0650	14	<1	<1	27	<1.0	<5	65
AUG								
03...	0735	6	<1	<1	<10	--	<5	20
31...	0720	<5	<1	5	11	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV											
03...	0610	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB											
09...	0640	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
18...	0705	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
03...	0735	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07047800 ST. FRANCIS RIVER AT PARKIN, AR
(National stream-quality accounting network and pesticide station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1973 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January 1973 to September 1981.
WATER TEMPERATURES: January 1973 to September 1981.

COOPERATION.--Pesticide samples were collected by the U.S. Geological Survey and were analyzed by the Environmental Protection Agency.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (FTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
06...	1430	80513	80010	326	479	8.0	22.0	15	8.4	95
DEC										
01...	1345	80513	80010	957	340	7.6	10.5	110	9.8	88
FEB										
08...	1245	80513	80010	1530	102	7.6	1.0	150	7.2	51
APR										
13...	1345	80513	80010	1980	220	7.6	14.0	280	8.6	83
JUN										
09...	1400	80513	80010	1990	260	8.1	27.0	150	7.2	89
AUG										
03...	1400	80513	80010	734	423	8.1	30.0	110	7.4	96

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
OCT										
06...	K22	96	210	.00	59	15	11	10	.4	3.1
DEC										
01...	K2400	K11000	120	.00	32	9.5	11	16	.5	2.8
FEB										
08...	270	680	35	7.0	8.5	3.2	9.3	35	.7	2.0
APR										
13...	300	940	87	12	24	6.4	10	20	.5	.5
JUN										
09...	K100	520	120	4.0	32	8.5	8.0	13	.3	1.9
AUG										
03...	K400	620	190	.00	51	14	13	13	.4	2.3

DATE	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
OCT									
06...	230	20	9.0	.2	17	295	273	.40	260
DEC									
01...	140	22	7.5	.2	11	209	180	.20	540
FEB									
08...	28	11	9.3	.3	11	101	73	.14	417
APR									
13...	75	15	9.1	.2	11	133	123	.18	711
JUN									
09...	111	14	5.9	.3	13	156	150	.21	838
AUG									
03...	195	23	5.4	.3	16	248	243	.34	491

07047800 ST. FRANCIS RIVER AT PARKIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 06...	.08	.080	.10	.46	.150	.080	30	26	91
DEC 01...	1.1	.130	.17	.78	.330	.100	176	455	96
FEB 08...	2.2	.190	.24	1.70	.210	.060	83	343	89
APR 13...	1.4	.110	.14	1.90	.570	.080	317	1700	98
JUN 09...	1.1	.070	.09	1.50	.370	.130	322	1730	98
AUG 03...	.14	.090	.12	1.10	.430	.130	257	509	93

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT 06...	1430	3	3	200	0	240	1	0	2	20
FEB 08...	1245	2	1	100	0	--	1	--	<1	30
APR 13...	1345	4	2	300	0	--	1	--	<3	20
AUG 03...	1400	9	3	300	0	--	<1	--	<1	20

DATE	TIME	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
OCT 06...	1430	--	<10	2	0	2	20	0	20	1500	1500
FEB 08...	1245	20	10	2	0	2	20	4	16	6700	5900
APR 13...	1345	10	10	5	--	<1	35	22	13	20000	20000
AUG 03...	1400	10	10	<1	--	<1	19	5	14	8600	--

DATE	TIME	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT 06...	1430	34	3	--	<1	200	40	160	.1	.0	--
FEB 08...	1245	820	13	7	6	120	100	20	<.1	--	--
APR 13...	1345	160	22	14	8	440	430	14	.1	--	<.1
AUG 03...	1400	<3	6	1	5	420	410	8	<.1	--	<.1

07047800 ST. FRANCIS RIVER AT PARKIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE) (01146)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT 06...	1430	<1	--	<1	<1	<1	60	4	56
FEB 08...	1245	2	0	2	<1	<1	70	0	--
APR 13...	1345	2	1	1	<1	<1	90	30	<3
AUG 03...	1400	<1	--	<1	<1	<1	70	0	--

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	MALATHION, TOTAL (UG/L) (39530)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39333)
DEC 01...	1345	--	--	--	--	--	--	<.01	<.01	--	<1	<.1
APR 13...	1345	<.10	<.01	<.01	.06	.02	<.01	<.01	<.01	<1	2	<.1

DATE	CHLORDANE, TOTAL (UG/L) (39350)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG) (39363)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39368)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG) (39373)	DIAZINON, TOTAL (UG/L) (39570)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)
DEC 01...	--	<1.0	--	<.1	<.1	<.1	.01	<.1	--	<.1	<.1
APR 13...	<.10	7.0	<.01	14	6.6	27	.02	1.3	<.01	<.1	<.1

DATE	ETHION, TOTAL (UG/L) (39398)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL TRITHION, TOTAL (UG/L) (39790)	MIREX, TOTAL (UG/L) (39755)
DEC 01...	<.01	--	<.1	--	<.1	--	<.1	--	<.1	<.01	--
APR 13...	<.01	<.01	<.1	<.01	.6	<.01	<.1	<.01	<.1	<.01	<.01

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) (39758)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) (39250)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39251)	PARATHION, TOTAL (UG/L) (39540)	PERTHANE IN BOTTOM MATERIL (UG/KG) (81886)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	TOTAL TRITHION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2, 4-DP TOTAL (UG/L) (82183)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)
DEC 01...	<.1	--	<1.0	<.01	<.10	<1.0	<.01	.03	<.01	.01	<.01
APR 13...	<.1	<.10	<1.0	<.01	<1.00	<10	<.01	.46	<.01	.01	<.01

07047810 ST. FRANCIS RIVER FLOODWAY NEAR MARKED TREE, AR

LOCATION.--Lat 35°32'15", long 90°29'05", in SE 1/4 NE 1/4 sec.31, T.11 N., R.6 E., Poinsett County, Hydrologic Unit 08020203, at bridge on U.S. Highway 63, 3.6 mi (5.8 km) northwest of Marked Tree.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT									
07...	1100	80513	80513	--	890	343	8.3	20.0	.30
NOV									
04...	0800	80513	80513	67	802	329	7.9	16.0	.30
04...	0900	80513	80513	68	89	--	--	16.0	.30
DEC									
02...	1000	80513	80513	67	859	369	7.8	9.0	.30
02...	1030	80513	80513	68	106	--	--	9.0	.30
JAN									
06...	0945	80513	80513	67	2370	203	7.4	7.0	.15
06...	1030	80513	80513	68	923	--	--	7.0	.15
06...	1100	80513	80513	68	107	--	--	7.0	.15
FEB									
10...	1500	80513	80513	67	8080	84	7.2	.0	.15
10...	1530	80513	80513	68	3980	--	--	.0	.15
10...	1600	80513	80513	68	4710	--	--	.0	.15
10...	1630	80513	80513	68	5050	--	--	.0	.15
10...	1700	80513	80513	68	571	--	--	.0	.15
MAR									
03...	1000	80513	80513	67	5690	140	7.3	10.0	.15
03...	1030	80513	80513	68	2470	--	--	10.0	.15
03...	1115	80513	80513	68	73	--	--	10.0	.15
03...	1200	80513	80513	68	128	--	--	11.0	.15
APR									
07...	1100	80513	80513	67	3980	211	7.9	11.0	.15
07...	1145	80513	80513	68	994	--	--	11.0	.15
MAY									
05...	0730	80513	80513	67	1380	220	8.0	22.0	.15
05...	0800	80513	80513	68	264	--	--	21.0	.30
JUN									
10...	1000	80513	80513	--	1030	260	8.3	26.0	.15
JUL									
07...	0730	80513	80513	--	1130	243	8.1	28.0	.24
AUG									
04...	0830	80513	80513	--	962	335	8.3	28.5	.15
SEP									
15...	0800	80513	80513	--	1400	101	7.7	25.5	.24

DATE	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)
OCT									
07...	6.8	75	76	183	74	80	92	97	100
NOV									
04...	9.0	92	73	158	70	75	86	97	100
04...	--	--	107	26	73	78	90	97	100
DEC									
02...	10.6	92	52	121	53	60	90	100	--
02...	--	--	53	15	72	82	94	99	100
JAN									
06...	11.1	92	522	3340	94	96	99	100	--
06...	--	--	--	--	--	--	--	--	--
06...	--	--	454	131	89	92	99	99	100
FEB									
10...	13.0	89	194	4230	83	86	93	99	100
10...	--	--	190	2040	83	88	97	99	100
10...	--	--	248	3150	84	85	90	99	100
10...	--	--	251	3420	84	85	89	97	100
10...	--	--	364	561	87	90	95	99	100
MAR									
03...	6.5	58	113	1740	42	55	94	100	--
03...	--	--	92	614	52	63	91	100	--
03...	--	--	189	37	92	94	99	100	--
03...	--	--	98	34	74	79	96	100	--

07047810 ST. FRANCIS RIVER FLOODWAY NEAR MARKED TREE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)
APR									
07...	8.9	81	151	1620	50	60	91	99	100
07...	--	--	92	247	78	85	97	100	--
MAY									
05...	7.8	90	94	350	70	71	84	96	100
05...	--	--	77	55	88	92	95	97	100
JUN									
10...	7.1	88	84	234	85	88	94	100	--
JUL									
07...	6.5	83	71	217	97	98	100	--	--
AUG									
04...	6.7	87	66	171	79	83	96	100	--
SEP									
15...	6.9	84	66	249	82	85	95	100	--

DATE	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)
OCT									
07...	0	0	35	95	100	--	--	--	--
NOV									
04...	2	2	42	95	99	100	--	--	--
04...	5	7	70	98	100	--	--	--	--
DEC									
02...	1	2	76	99	100	--	--	--	--
02...	--	--	--	--	--	--	--	--	--
JAN									
06...	1	1	35	89	99	100	--	--	--
06...	3	4	85	99	100	--	--	--	--
06...	44	51	81	97	100	--	--	--	--
FEB									
10...	0	0	48	99	100	--	--	--	--
10...	67	78	90	99	100	--	--	--	--
10...	1	1	40	99	100	--	--	--	--
10...	70	77	91	98	100	--	--	--	--
10...	70	78	95	99	100	--	--	--	--
MAR									
03...	2	2	15	91	100	--	--	--	--
03...	6	8	60	95	100	--	--	--	--
03...	38	41	68	93	100	--	--	--	--
03...	48	49	56	62	64	--	65	68	100
APR									
07...	0	0	24	90	100	--	--	--	--
07...	1	1	53	96	100	--	--	--	--
MAY									
05...	1	1	9	90	100	--	--	--	--
05...	4	6	15	98	100	--	--	--	--
JUN									
10...	3	4	36	93	100	--	--	--	--
JUL									
07...	0	0	51	97	100	--	--	--	--
AUG									
04...	0	0	24	92	100	--	--	--	--
SEP									
15...	1	1	28	89	100	--	--	--	--

07047815 CROSS COUNTY DITCH NEAR BIRDEYE, AR

LOCATION.--Lat 35°21'38", long 90°39'00", in NE 1/4 SE 1/4 sec.34, T.9 N., R.4 E., Cross County, Hydrologic Unit 08020203, at bridge on State Highway 42, 2.3 mi (3.7 km) east of Birdeye.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
OCT										
07...	0915	80513	80513	--	836	18.0	.30	94	212	73
NOV										
03...	1630	80513	80513	--	948	16.0	.30	85	218	69
DEC										
02...	0845	80513	80513	--	908	8.0	.30	49	120	75
JAN										
06...	0830	80513	80513	--	3060	6.5	.15	597	4930	87
FEB										
09...	1500	80513	80513	67	18800	2.0	.15	529	26900	50
09...	1600	80513	80513	68	2100	1.0	.15	254	1440	78
MAR										
03...	0915	80513	80513	--	8770	12.0	.15	160	3790	49
APR										
07...	0915	80513	80513	--	4990	11.0	.15	149	2010	73
MAY										
04...	1730	80513	80513	--	1640	24.0	.15	88	390	89
JUN										
10...	0900	80513	80513	--	1140	24.5	.15	259	797	98
JUL										
06...	1515	80513	80513	--	1320	29.5	.24	85	303	96
AUG										
03...	1600	80513	80513	--	1110	31.5	.15	77	231	90
SEP										
14...	1530	80513	80513	--	1430	27.5	.30	81	313	87

DATE	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT										
07...	79	92	98	100	1	1	34	89	100	--
NOV										
03...	78	90	99	100	0	0	35	90	99	100
DEC										
02...	86	96	100	--	1	1	50	96	100	--
JAN										
06...	91	98	99	100	2	2	61	98	100	--
FEB										
09...	53	92	99	100	0	0	62	99	100	--
09...	80	97	99	100	65	69	80	96	100	--
MAR										
03...	59	95	97	100	0	0	74	99	100	--
APR										
07...	81	97	100	--	1	1	68	99	100	--
MAY										
04...	94	98	100	--	1	3	77	99	100	--
JUN										
10...	99	100	--	--	1	2	63	98	100	--
JUL										
06...	98	100	--	--	1	2	59	96	100	--
AUG										
03...	93	98	100	--	1	1	66	98	100	--
SEP										
14...	94	98	100	--	0	1	69	99	100	--

07047882 STRAIGHT SLOUGH NEAR BIRDEYE, AR

LOCATION.--Lat 35°21'45", long 90°39'26", in NE 1/4 SW 1/4 sec.34, T.9 N., R.4 E., Cross County, Hydrologic Unit 08020203, at bridge on State Highway 42, 1.8 mi (2.9 km) east of Birdeye.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 07...	0830	80513	80513	75	353	8.0	18.0	.46	7.5
NOV 03...	1600	80513	80513	113	429	8.0	17.0	.46	8.8
DEC 02...	0800	80513	80513	311	238	7.9	8.0	.30	9.6
JAN 06...	0800	80513	80513	332	169	7.4	7.0	.15	10.0
FEB 09...	1430	80513	80513	2940	144	7.5	2.0	.15	11.8
MAR 03...	0815	80513	80513	387	386	7.6	12.0	.15	8.2
APR 07...	0830	80513	80513	331	283	7.9	11.0	.15	8.5
MAY 04...	1700	80513	80513	215	433	8.1	25.5	.24	9.4
JUN 10...	0800	80513	80513	157	432	8.3	25.0	.30	6.0
JUL 06...	1450	80513	80513	162	430	8.4	29.5	.21	12.2
AUG 03...	1530	80513	80513	106	420	8.8	32.5	.15	10.5
SEP 14...	1500	80513	80513	217	428	8.7	29.0	.30	10.4

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
OCT 07...	80	54	11	77	90	96	100	--	6
NOV 03...	92	67	20	60	73	83	94	100	1
DEC 02...	81	130	109	92	95	98	99	100	4
JAN 06...	83	471	422	97	98	99	100	--	2
FEB 09...	86	469	3720	96	97	99	100	--	2
MAR 03...	76	47	49	91	91	94	100	--	4
APR 07...	77	309	276	96	97	98	99	100	6
MAY 04...	115	67	39	93	95	99	100	--	2
JUN 10...	73	126	53	97	98	100	--	--	15
JUL 06...	160	45	20	91	94	96	100	--	8
AUG 03...	146	48	14	89	90	95	100	--	15
SEP 14...	135	60	35	94	95	96	97	100	10

07047882 STRAIGHT SLOUGH NEAR BIRDEYE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
OCT									
07...	8	33	47	51	--	52	55	62	100
NOV									
03...	1	63	89	95	100	--	--	--	--
DEC									
02...	4	26	38	44	--	49	56	72	100
JAN									
06...	2	56	93	98	100	--	--	--	--
FEB									
09...	2	68	98	100	--	--	--	--	--
MAR									
03...	4	95	100	--	--	--	--	--	--
APR									
07...	6	82	99	100	--	--	--	--	--
MAY									
04...	3	92	99	100	--	--	--	--	--
JUN									
10...	23	87	99	100	--	--	--	--	--
JUL									
06...	17	81	91	100	--	--	--	--	--
AUG									
03...	22	90	100	--	--	--	--	--	--
SEP									
14...	23	86	99	100	--	--	--	--	--

07047900 ST. FRANCIS BAY AT RIVERFRONT, ARK

LOCATION.--Lat 35°15'34", long 90°40'48", in W 1/2 sec.4, T.7 N., R.4 E., Cross County, Hydrologic Unit 08020203, at bridge on U.S. Highway 64 at Riverfront, 7.0 mi (11.3 km) west of Parkin.

DRAINAGE AREA.--Indeterminate. Total drainage area of St. Francis River and St. Francis Bay, 6,475 mi^2 (16,770 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1965 to September 1980 in reports of Geological Survey. January 1935 to date in reports of Mississippi River Commission.

GAGE.--Water-stage recorder. Datum of gage is 171.25 ft (52.197 m) National Geodetic Vertical Datum of 1929. Prior to Aug. 20, 1948, nonrecording gage at present site and datum.

REMARKS.--Part of the flow at this station is diverted from the St. Francis River at lock and dam about 4.0 mi (6.4 km) northwest of Marked Tree. Some regulation by Wappapello Lake (Missouri) since Apr. 1, 1941, capacity, 625,000 acre-ft (771 hm^3). Stage-discharge relation affected by backwater during high stages of Mississippi River.

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--43 years (1936-75, 78-80), 5,334 ft^3/s (151 m^3/s), 3,864,000 acre-ft/yr (4,760 hm^3/yr).

EXTREMES FOR PERIOD OF RECORDS.--Maximum discharge, 54,100 ft^3/s (1,530 m^3/s) Feb. 2, 1937; maximum gage height, 39.03 ft (11.896 m) May 3, 1973 (backwater from Mississippi River); no flow Nov. 17-26, 1941, because of backwater from Mississippi River.

EXTREMES FOR WATER YEAR 1979.--Maximum daily discharge, 13,500 ft^3/s (382 m^3/s) Apr. 8, 9; minimum daily, 232 ft^3/s (6.57 m^3/s) Oct. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	436	711	6720	9130	3260	4480	9290	3280	2530	2000	1290	524
2	343	736	6810	8890	2990	4590	9890	3160	2550	2170	1260	520
3	331	760	6730	8580	2930	4460	10900	3320	2510	2320	1220	499
4	265	819	6420	8260	2920	4140	11300	3360	2460	1950	1200	498
5	245	861	6030	7810	2870	4020	11200	3280	2420	1880	1130	522
6	242	843	5320	7030	2870	4030	11000	3160	2300	1380	1050	537
7	243	821	4560	6810	2860	4250	10900	3040	2160	1470	1040	520
8	242	801	3820	6840	2880	4360	13500	2910	2020	724	1020	498
9	250	846	3230	6710	2910	4350	13500	2800	1880	474	1000	479
10	247	853	2870	6550	2920	4280	11500	2760	2070	507	1000	452
11	245	866	2510	8320	2910	3990	10600	2710	2210	447	1020	419
12	247	901	2480	8820	2840	3460	10600	2940	2170	419	1030	402
13	241	925	3320	8470	2850	3500	10200	4560	2110	389	1150	387
14	232	983	4220	9080	2980	3440	12200	3810	1790	382	1160	376
15	234	1040	4600	9220	3390	3270	12100	3410	1900	377	1080	365
16	273	1100	5940	9460	4580	3930	10800	3640	1880	369	874	362
17	384	1140	6390	9710	4850	9350	10300	3690	1840	367	763	399
18	1290	1200	6180	9400	5480	9940	9820	3340	1810	416	1460	413
19	540	1230	5690	8930	6420	7980	9220	3390	1860	1150	1440	418
20	317	1260	5310	8450	7450	9160	8540	3140	1820	1070	1020	407
21	291	1340	4570	7860	8860	11100	7770	2940	1810	1500	802	404
22	284	2480	3800	7540	8860	10700	6990	3590	1790	6450	761	399
23	291	2950	3600	6580	8150	10700	6070	3970	1730	1670	733	479
24	422	2950	6700	5660	6920	12600	5360	3260	2500	1220	704	1090
25	503	3900	8490	5180	5390	11600	5730	2890	2610	1170	652	1840
26	531	6280	7580	4920	5050	10200	5880	2710	3020	1150	581	2000
27	529	6520	7920	4710	4770	9210	5310	2590	2990	1140	560	1330
28	550	6480	8680	4460	4390	9210	4750	2490	2210	1150	568	1070
29	574	6540	9240	3940	4340	8830	4040	2490	1920	1200	561	1060
30	606	6650	9630	4110	---	10000	3510	2730	2020	1510	557	848
31	681	---	9740	3630	---	10100	---	2550	---	1240	544	---
TOTAL	12109	64786	179100	225060	129890	215230	272770	97910	64890	39661	29230	19517
MEAN	391	2160	5777	7260	4479	6943	9092	3158	2163	1279	943	651
MAX	1290	6650	9740	9710	8860	12600	13500	4560	3020	6450	1460	2000
MIN	232	711	2480	3630	2840	3270	3510	2490	1730	367	544	362
AC-FT	24020	128500	355200	446400	257600	426900	541000	194200	128700	78670	57980	38710

CAL YR 1979 TOTAL 3992992 MEAN 10940 MAX 53000 MIN 232 AC-FT 7920000
WTR YR 1980 TOTAL 1350153 MEAN 3689 MAX 13500 MIN 232 AC-FT 2678000

07047900 ST. FRANCIS BAY AT RIVERFRONT, AR--CONTINUED
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1973 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1973 to September 1981.
WATER TEMPERATURES: October 1973 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (FTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
06...	1100	80513	80513	820	335	8.0	22.0	--	7.2	83
06...	1345	80513	80010	802	313	8.2	23.0	20	8.2	94
NOV										
03...	1200	80513	80513	1140	311	8.0	16.5	--	8.9	92
DEC										
01...	1245	80513	80010	1100	358	8.3	10.5	26	11.0	98
01...	1530	80513	80513	1240	381	7.8	10.0	--	11.0	97
JAN										
05...	1530	80513	80513	3810	333	7.7	6.0	--	10.8	87
FEB										
08...	1200	80513	80010	21400	87	7.9	.0	160	12.2	84
09...	0830	80513	80513	22900	101	7.3	.0	--	12.0	82
MAR										
02...	1300	80513	80513	9440	163	7.5	9.0	--	10.9	95
APR										
06...	1500	80513	80513	6550	226	7.9	11.0	--	9.2	84
13...	1300	80513	80010	5050	252	7.9	15.0	72	8.9	87
MAY										
04...	1500	80513	80513	2690	248	8.2	23.0	--	9.8	114
JUN										
09...	1300	80513	80513	1290	292	8.2	27.0	34	8.0	101
JUL										
06...	1330	80513	80513	1620	246	8.4	29.5	--	8.9	117
AUG										
03...	1315	80513	80010	1490	400	8.2	30.0	25	8.6	90
03...	1430	80513	80513	1490	385	8.4	30.0	--	8.6	115
SEP										
14...	1300	80513	80513	1800	214	8.2	26.5	--	7.9	99

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
OCT										
06...	--	--	--	--	--	--	--	--	--	--
06...	<11	K48	130	.00	33	11	6.9	10	.3	2.2
NOV										
03...	--	--	--	--	--	--	--	--	--	--
DEC										
01...	K120	K2200	140	.00	38	12	11	14	.4	1.4
01...	--	--	--	--	--	--	--	--	--	--
JAN										
05...	--	--	--	--	--	--	--	--	--	--
FEB										
08...	K44	660	38	14	10	3.1	4.5	20	.3	2.0
09...	--	--	--	--	--	--	--	--	--	--
MAR										
02...	--	--	--	--	--	--	--	--	--	--
APR										
06...	--	--	--	--	--	--	--	--	--	--
13...	K89	K60	120	9.0	31	10	11	17	.5	1.3
MAY										
04...	--	--	--	--	--	--	--	--	--	--
JUN										
09...	K89	K56	140	.00	37	11	6.8	10	.3	2.0
JUL										
06...	--	--	--	--	--	--	--	--	--	--
AUG										
03...	K11	80	170	.00	46	13	13	14	.5	1.7
03...	--	--	--	--	--	--	--	--	--	--
SEP										
14...	--	--	--	--	--	--	--	--	--	--

07047900 ST. FRANCIS BAY AT RIVERFRONT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
OCT									
06...	--	--	--	--	--	--	--	--	--
06...	130	19	7.2	.1	10	186	168	.25	403
NOV									
03...	--	--	--	--	--	--	--	--	--
DEC									
01...	160	7.5	6.8	.2	12	214	207	.29	636
01...	--	--	--	--	--	--	--	--	--
JAN									
05...	--	--	--	--	--	--	--	--	--
FEB									
08...	24	9.8	5.8	.1	6.4	90	57	.12	5200
09...	--	--	--	--	--	--	--	--	--
MAR									
02...	--	--	--	--	--	--	--	--	--
APR									
06...	--	--	--	--	--	--	--	--	--
13...	110	15	6.5	.1	11	145	153	.20	1980
MAY									
04...	--	--	--	--	--	--	--	--	--
JUN									
09...	138	14	4.8	.2	13	158	172	.21	550
JUL									
06...	--	--	--	--	--	--	--	--	--
AUG									
03...	179	18	9.2	.2	15	243	224	.33	978
03...	--	--	--	--	--	--	--	--	--
SEP									
14...	--	--	--	--	--	--	--	--	--

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
06...	--	--	--	--	--	--	219	485	--
06...	.07	.070	.09	.59	.140	.080	46	100	74
NOV									
03...	--	--	--	--	--	--	79	243	--
DEC									
01...	.18	.080	.10	.12	.110	.050	78	232	50
01...	--	--	--	--	--	--	95	318	--
JAN									
05...	--	--	--	--	--	--	496	5100	--
FEB									
08...	2.1	.220	.28	1.20	.300	.120	173	10000	80
09...	--	--	--	--	--	--	275	17000	--
MAR									
02...	--	--	--	--	--	--	140	3570	--
APR									
06...	--	--	--	--	--	--	211	3730	--
13...	.36	.080	.10	.35	.200	.060	172	2350	58
MAY									
04...	--	--	--	--	--	--	127	922	--
JUN									
09...	<.10	.080	.10	.30	.190	.080	108	376	87
JUL									
06...	--	--	--	--	--	--	95	416	--
AUG									
03...	<.10	.080	.10	.50	.190	.120	66	266	78
03...	--	--	--	--	--	--	86	346	--
SEP									
14...	--	--	--	--	--	--	107	520	--

07047900 ST. FRANCIS BAY AT RIVERFRONT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA) (01006)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CADMIUM SUS-PENDED RECOV-ERABLE (UG/L AS CD) (01026)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT 06...	1345	2	3	200	70	130	1	0	1	20
FEB 08...	1200	1	1	280	0	280	6	0	6	30
APR 13...	1300	2	1	200	0	--	<1	--	<3	20
AUG 03...	1315	4	3	200	0	--	1	--	<1	20

DATE	TIME	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR) (01031)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COBALT, SUS-PENDED RECOV-ERABLE (UG/L AS CO) (01036)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU) (01041)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044)
OCT 06...	1345	--	<10	2	0	2	14	2	12	1500	1500
FEB 08...	1200	20	10	1	0	1	26	0	26	11000	11000
APR 13...	1300	10	10	2	--	<1	26	12	14	4500	4400
AUG 03...	1315	10	10	1	0	1	15	0	20	2100	2100

DATE	TIME	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB) (01050)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN) (01054)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG) (71895)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
OCT 06...	1345	19	3	--	<1	160	150	7	.2	.1	.1
FEB 08...	1200	350	16	10	6	200	160	39	<.1	--	.1
APR 13...	1300	69	4	2	2	240	230	7	.1	.0	.1
AUG 03...	1315	18	8	0	9	180	170	10	<.1	--	<.1

DATE	TIME	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN) (01091)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT 06...	1345	<1	<1	<1	<1	50	30	25
FEB 08...	1200	<1	<1	<1	<1	60	0	--
APR 13...	1300	2	<1	<1	<1	20	0	--
AUG 03...	1315	--	--	<1	<1	60	0	85

07047900 ST. FRANCIS BAY AT RIVERFRONT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
OCT							
06...	1100	80513	80513	42	47	82	100
06...	1345	80513	80010	--	--	--	--
NOV							
03...	1200	80513	80513	69	76	86	96
DEC							
01...	1245	80513	80010	--	--	--	--
01...	1530	80513	80513	49	60	80	98
JAN							
05...	1530	80513	80513	94	99	99	100
FEB							
08...	1200	80513	80010	--	--	--	--
09...	0830	80513	80513	88	93	98	100
MAR							
02...	1300	80513	80513	60	78	99	100
APR							
06...	1500	80513	80513	80	87	97	99
13...	1300	80513	80010	--	--	--	--
MAY							
04...	1500	80513	80513	70	75	97	98
JUN							
09...	1300	80513	80513	90	97	98	100
JUL							
06...	1330	80513	80513	98	99	99	100
AUG							
03...	1315	80513	80010	--	--	--	--
03...	1430	80513	80513	93	95	98	100
SEP							
14...	1300	80513	80513	75	82	97	100

DATE	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT						
06...	--	1	.1	66	98	100
06...	--	--	--	--	--	--
NOV						
03...	100	1	2	44	97	100
DEC						
01...	--	--	--	--	--	--
01...	100	1	1	61	97	100
JAN						
05...	--	1	1	50	99	100
FEB						
08...	--	--	--	--	--	--
09...	--	2	2	24	96	100
MAR						
02...	--	1	2	49	97	100
APR						
06...	100	1	1	51	95	100
13...	--	--	--	--	--	--
MAY						
04...	100	1	1	83	99	100
JUN						
09...	--	4	12	76	99	100
JUL						
06...	--	1	3	73	99	100
AUG						
03...	--	--	--	--	--	--
03...	--	0	0	60	98	100
SEP						
14...	--	1	1	20	93	100

07047904 CLARK CORNER CUTOFF NEAR COLT, AR

LOCATION.--Lat 35°08'41", long 90°39'23", in NW 1/4 NE 1/4 sec.15, T.6 N., R.4 E., St. Francis County, Hydrologic Unit 08020203, at bridge on Old Military Road 9.0 mi (14.5 km) east of Colt.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
OCT									
06...	1000	80513	80513	1140	22.0	.46	81	249	88
NOV									
03...	1100	80513	80513	1160	15.0	.30	83	260	73
DEC									
01...	1400	80513	80513	1240	10.0	.15	88	295	62
JAN									
05...	1400	80513	80513	3420	6.0	.15	358	3310	94
FEB									
08...	1600	80513	80513	23400	1.0	.15	215	13600	93
MAR									
02...	1145	80513	80513	10300	9.0	.15	124	3450	79
APR									
06...	1300	80513	80513	7490	12.0	.15	301	6090	96
MAY									
04...	1230	80513	80513	2940	22.0	.15	105	833	94
JUN									
09...	1400	80513	80513	1580	27.5	.15	106	452	96
JUL									
06...	1045	80513	80513	1850	30.0	.12	99	495	98
AUG									
03...	1100	80513	80513	1460	29.0	.15	105	414	96
SEP									
14...	1100	80513	80513	1880	26.0	.12	119	604	90

DATE	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
OCT									
06...	97	99	100	--	6	21	65	94	100
NOV									
03...	80	81	96	100	2	6	78	95	100
DEC									
01...	69	81	94	100	8	32	92	99	100
JAN									
05...	98	99	99	100	--	--	--	--	--
FEB									
08...	96	98	100	--	2	2	16	95	100
MAR									
02...	85	95	100	--	0	0	21	95	100
APR									
06...	98	99	100	--	2	7	36	93	100
MAY									
04...	95	97	100	--	5	8	20	70	100
JUN									
09...	97	99	100	--	2	8	62	98	100
JUL									
06...	99	99	100	--	2	2	23	87	100
AUG									
03...	97	98	100	--	2	2	26	80	100
SEP									
14...	96	97	98	100	2	6	64	97	100

07047907 ST. FRANCIS RIVER AT MADISON, AR

LOCATION.--Lat 35°00'38", long 90°43'05", in NE 1/4 SW 1/4 sec.30, T.5 N., R.4 E., St. Francis County, Hydrologic Unit 08020203, at bridge on State Highway 50 at Madison.

PERIOD OF RECORD.--October 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
OCT												
06...	1500	80513	80513	856	342	8.2	21.0	.30	7.4	83	250	578
NOV												
03...	0930	80513	80513	867	315	7.9	15.0	.30	9.3	92	68	159
DEC												
01...	1115	80513	80513	342	358	7.6	10.0	.15	10.4	92	89	82
JAN												
05...	1130	80513	80513	3040	220	7.5	6.0	.15	11.0	89	600	4930
FEB												
08...	1130	80513	80513	18800	65	7.3	1.0	.15	12.0	84	243	12300
MAR												
02...	1030	80513	80513	8380	150	7.5	8.0	.15	10.8	92	89	2010
APR												
06...	1200	80513	80513	6420	181	7.7	12.0	.15	8.3	77	400	6930
MAY												
04...	1100	80513	80513	2270	244	8.3	21.5	.15	8.3	94	143	876
JUN												
09...	1115	80513	80513	1320	280	8.5	27.5	.15	10.9	138	74	264
JUL												
06...	0955	80513	80513	370	249	8.4	29.0	.18	6.6	86	146	146
AUG												
03...	1000	80513	80513	1210	390	8.2	28.0	.15	7.4	95	124	405
SEP												
14...	1000	80513	80513	1400	236	8.0	25.0	.09	7.3	89	118	446

DATE	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT											
06...	69	77	91	100	--	2	3	37	77	99	100
NOV											
03...	89	93	96	99	100	3	9	57	86	100	--
DEC											
01...	50	54	62	95	100	1	2	51	90	100	--
JAN											
05...	88	92	97	99	100	0	0	6	75	99	100
FEB											
08...	94	98	99	100	--	0	0	8	81	97	100
MAR											
02...	85	89	96	100	--	1	2	33	85	97	100
APR											
06...	99	99	99	100	--	3	3	8	57	99	100
MAY											
04...	95	97	98	100	--	22	24	32	86	99	100
JUN											
09...	95	97	98	100	--	3	5	32	79	99	100
JUL											
06...	98	99	99	100	--	5	16	36	73	99	100
AUG											
03...	96	98	99	100	--	21	42	59	74	100	--
SEP											
14...	95	97	98	100	--	10	46	78	91	99	100

07047936 L'ANGUILLE RIVER NEAR CHERRY VALLEY, AR

LOCATION.--Lat 35°24'06", long 90°49'44", in E 1/2 and on line between secs.13 and 24, T.9 N., R.2 E., Cross County, Hydrologic Unit 08020205, at bridge on State Highway 42, 4.2 mi (6.8 km) west of Cherry Valley.

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT										
06...	1200	80513	80513	--	.00	--	--	21.0	--	--
NOV										
03...	1300	80513	80513	67	148	255	7.2	15.5	.15	4.6
03...	1330	80513	80513	68	5.0	211	7.3	16.0	.40	3.7
DEC										
01...	1630	80513	80513	--	63	266	7.5	10.0	.15	7.0
JAN										
05...	1630	80513	80513	67	152	200	7.6	5.0	.15	8.8
05...	1700	80513	80513	68	10	231	7.5	5.0	.15	8.9
FEB										
09...	1215	80513	80513	67	209	104	7.3	1.0	.15	11.8
09...	1300	80513	80513	68	368	118	7.3	1.0	.15	12.0
MAR										
02...	1600	80513	80513	67	101	185	7.0	11.0	.15	9.6
02...	1645	80513	80513	68	17	169	7.0	10.0	.15	9.2
APR										
06...	1630	80513	80513	67	225	106	7.1	11.0	.15	8.2
06...	1700	80513	80513	68	513	106	7.3	11.0	.15	7.9
MAY										
04...	1530	80513	80513	67	154	111	7.1	22.5	.06	4.3
04...	1600	80513	80513	68	176	114	7.0	23.0	.06	4.4
JUN										
09...	1700	80513	80513	67	97	265	7.5	27.5	.09	3.5
09...	1800	80513	80513	68	58	269	7.5	28.0	.09	4.9
JUL										
06...	1400	80513	80513	--	125	225	7.8	27.0	.12	3.4
AUG										
03...	1500	80513	80513	--	51	510	8.4	30.5	.15	6.3
SEP										
14...	1400	80513	80513	67	131	486	7.9	27.0	.30	5.1
14...	1430	80513	80513	68	20	487	8.1	27.5	.30	5.3

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)
OCT										
06...	--	--	--	--	--	--	--	--	--	--
NOV										
03...	46	127	51	90	94	96	100	--	28	48
03...	38	58	.78	78	84	87	91	100	92	94
DEC										
01...	62	176	30	76	79	91	99	100	32	34
JAN										
05...	69	369	151	96	97	99	100	--	2	2
05...	70	330	8.9	93	95	99	100	--	--	--
FEB										
09...	83	217	122	96	97	99	100	--	--	--
09...	84	238	236	88	90	98	100	--	87	88
MAR										
02...	87	162	44	98	98	99	100	--	56	62
02...	81	165	7.6	96	97	99	100	--	40	41
APR										
06...	74	385	234	96	97	99	100	--	42	48
06...	72	430	596	97	98	99	100	--	35	36
MAY										
04...	50	224	93	98	98	98	99	100	2	2
04...	51	234	111	98	99	99	100	--	41	42
JUN										
09...	44	253	66	98	98	98	100	--	37	42
09...	63	179	28	98	99	100	--	--	44	45
JUL										
06...	43	163	55	98	99	99	100	--	10	14
AUG										
03...	84	123	17	96	98	99	100	--	13	14
SEP										
14...	64	78	28	98	98	99	100	--	18	22
14...	67	91	4.9	93	95	98	100	--	55	56

07047936 L'ANGUILLE RIVER NEAR CHERRY VALLEY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)	BED MAT. SIEVE DIAM. % FINER THAN 32.0 MM (80173)
OCT									
06...	--	--	--	--	--	--	--	--	--
NOV									
03...	91	92	98	100	--	--	--	--	--
03...	96	98	99	100	--	--	--	--	--
DEC									
01...	53	67	74	--	76	86	100	--	--
JAN									
05...	14	24	33	--	35	46	51	67	100
05...	--	--	--	--	--	--	--	--	--
FEB									
09...	--	--	--	--	--	--	--	--	--
09...	89	93	97	100	--	--	--	--	--
MAR									
02...	89	96	98	--	99	100	--	--	--
02...	48	57	65	--	69	77	100	--	--
APR									
06...	72	78	80	--	82	89	100	--	--
06...	55	78	90	--	92	100	--	--	--
MAY									
04...	63	99	100	--	--	--	--	--	--
04...	51	60	64	--	65	72	100	--	--
JUN									
09...	63	96	100	--	--	--	--	--	--
09...	48	52	57	--	58	60	72	100	--
JUL									
06...	64	96	100	--	--	--	--	--	--
AUG									
03...	48	90	99	100	--	--	--	--	--
SEP									
14...	69	97	100	--	--	--	--	--	--
14...	66	79	82	--	84	89	100	--	--

07047942 L'ANGUILLE RIVER NEAR COLT, AR

LOCATION.--Lat 35°08'40", long 90°52'42", in NE 1/4 NW 1/4 sec.15, T.6 N., R.2 E., St. Francis County, Hydrologic Unit 08020205, near center of span on downstream side of bridge on State Highway 306, 1.1 mi (1.8 km) downstream from Lick Creek, 3.9 mi (6.3 km) northwest of Colt, and at mile 52.8 (85.0 km).

DRAINAGE AREA.--535 mi^2 (1,386 km^2).

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 192.52 ft (58.680 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for days of no gage-height record, Dec. 13 to Jan. 18, which are poor.

AVERAGE DISCHARGE.--12 years, 732 ft^3/s (20.7 m^3/s) 18.58 in/yr (472 mm/yr), 530,300 acre-ft/yr (654 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,000 ft^3/s (340 m^3/s) Dec. 9, 1978, gage height, 15.81 ft (4.819 m), from rating curve extended above 6,100 ft^3/s (173 m^3/s); minimum, 0.99 ft^3/s (0.028 m^3/s) July 20, 1980, gage height, 2.18 ft (0.664 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,570 ft^3/s (158 m^3/s) Apr. 19, gage height, 14.52 ft (4.426 m); minimum daily, 20 ft^3/s (0.57 m^3/s) Dec. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	362	90	25	1800	364	57	1440	261	823	212	452
2	25	349	152	30	2100	332	146	1270	206	1090	203	424
3	25	447	186	70	2400	307	771	1170	340	1200	199	395
4	25	504	203	190	2600	284	615	1070	399	1010	189	374
5	25	633	200	285	2700	262	714	962	277	868	175	365
6	25	748	190	330	2600	251	864	875	206	748	165	370
7	25	756	176	320	2350	244	879	799	191	643	164	374
8	25	708	152	270	2150	228	856	738	190	550	153	368
9	26	638	124	230	2250	210	894	689	189	462	140	357
10	29	572	93	200	2190	193	1050	649	186	385	137	345
11	30	509	68	170	2130	176	1300	584	175	310	141	331
12	30	456	55	140	1910	166	1310	514	159	235	138	342
13	30	408	45	120	1620	142	1190	447	159	167	146	390
14	34	356	40	110	1410	164	1050	386	167	124	310	418
15	37	305	35	95	1240	235	950	329	174	100	378	454
16	32	255	30	80	1090	252	1700	266	352	80	564	488
17	82	209	30	65	992	304	4280	207	430	69	617	488
18	631	163	25	55	928	340	5070	156	518	62	706	471
19	546	121	25	50	863	342	5270	128	663	59	794	445
20	493	89	20	60	799	328	4830	124	748	60	871	407
21	524	63	25	80	749	314	3130	138	759	90	879	361
22	516	48	30	115	692	283	2210	200	728	105	827	310
23	502	45	35	200	627	250	1730	312	683	315	773	254
24	459	49	45	500	569	213	1430	252	638	197	736	200
25	422	46	45	1200	516	177	1170	435	611	129	702	155
26	404	38	45	1300	471	133	1530	456	619	106	672	126
27	384	31	40	1350	437	102	1610	425	590	97	638	95
28	368	26	35	1300	402	86	1730	421	643	101	605	69
29	385	25	30	1200	---	69	1840	401	740	121	565	61
30	394	50	25	1100	---	69	1680	361	809	124	521	59
31	381	---	25	1500	---	60	---	318	---	155	483	---
TOTAL	6939	9009	2319	12740	40585	6880	51856	16522	12810	10585	13803	9748
MEAN	224	300	74.8	411	1449	222	1729	533	427	341	445	325
MAX	631	756	203	1500	2700	364	5270	1440	809	1200	879	488
MIN	25	25	20	25	402	60	57	124	159	59	137	59
CFSM	.42	.56	.14	.77	2.71	.42	3.23	1.00	.80	.64	.83	.61
IN.	.48	.63	.16	.89	2.82	.48	3.61	1.15	.89	.74	.96	.68
AC-FT	13760	17870	4600	25270	80500	13650	102900	32770	25410	21000	27380	19340

CAL YR 1981	TOTAL	158420	MEAN 434	MAX 4680	MIN 20	CFSM .81	IN 11.02	AC-FT	314200	
WTR YR 1982	TOTAL	193796	MEAN 531	MAX 5270	MIN 20	CFSM .99	IN 13.48	AC-FT	384400	

07047942 L'ANGUILLE RIVER NEAR COLT, AR--CONTINUED

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
OCT												
06...	1255	80513	80010	24	544	8.0	20.5	--	3.7	41	1.9	K200
06...	1800	80513	80513	24	545	7.7	20.0	.15	6.0	66	--	--
NOV												
03...	1400	80513	80513	448	250	7.3	15.0	.15	5.5	54	--	--
DEC												
01...	1145	80513	80010	157	205	7.2	10.0	--	4.3	38	6.1	E620000
01...	1300	80513	80513	155	210	7.6	10.0	.15	7.8	69	--	--
JAN												
05...	1245	80513	80513	231	209	7.6	6.0	.15	9.8	79	--	--
FEB												
08...	1100	80513	80010	1720	219	7.8	.0	--	11.4	78	1.4	K44
08...	1500	80513	80513	1560	107	7.3	1.0	.15	11.2	79	--	--
09...	1000	80513	80513	136	102	7.2	.0	.15	11.6	79	--	--
MAR												
02...	1445	80513	80513	330	165	7.1	9.0	.15	8.6	75	--	--
APR												
06...	1400	80513	80513	849	105	7.3	11.0	.15	8.0	73	--	--
13...	1200	80513	80010	1050	98	7.2	13.5	--	7.9	75	2.5	K210
MAY												
04...	1330	80513	80513	929	102	7.1	21.5	.06	5.5	62	--	--
JUN												
09...	1145	80513	80010	171	208	7.6	26.0	--	6.0	73	3.4	240
09...	1530	80513	80513	169	217	7.6	27.0	.09	5.0	63	--	--
JUL												
06...	1210	80513	80513	754	203	7.5	27.0	.12	3.4	43	--	--
AUG												
03...	1145	80513	80010	202	382	7.8	28.0	--	4.5	58	2.9	K190
03...	1300	80513	80513	203	390	7.9	28.0	.09	5.0	64	--	--
SEP												
14...	1200	80513	80513	429	479	7.9	25.5	.15	4.2	51	--	--

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT												
06...	130	196	.00	47	19	23	20	.7	3.8	230	17	25
DEC												
01...	E580000	65	23	16	6.0	15	31	.8	5.9	42	22	22
FEB												
08...	140	92	8.0	26	6.5	10	19	.5	1.0	84	16	4.2
APR												
13...	290	37	11	9.9	3.1	9.0	34	.7	1.1	26	12	8.6
JUN												
09...	310	76	12	19	6.9	9.9	21	.5	2.8	64	19	9.6
AUG												
03...	370	154	.00	37	15	22	23	.8	2.4	167	19	15

07047942 L'ANGUILLE RIVER NEAR COLT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)
OCT												
06...	.3	.36	.37	1.6	.040	.030	.10	.40	.40	.110	.110	.14
DEC												
01...	.1	1.2	1.80	8.0	.100	.040	.13	1.3	1.8	.340	.260	.33
FEB												
08...	.1	.52	--	--	.150	--	--	.67	--	.310	.210	.27
APR												
13...	.2	.32	.34	1.5	.090	.020	.07	.41	.36	.200	.160	.21
JUN												
09...	.3	.81	.64	2.8	.090	.030	.10	.90	.67	.190	.150	.19
AUG												
03...	.3	.40	.44	1.9	.060	.040	.13	.46	.48	.170	.140	.18

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN DISSOLVED (MG/L AS N) (00602)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)
OCT											
06...	.61	.89	.72	.00	1.0	1.1	1.4	5.0	.270	.83	.240
DEC											
01...	.58	.55	.92	.11	.81	2.2	2.6	9.8	.420	1.3	.210
FEB											
08...	.89	.72	1.20	.27	.93	1.9	2.3	8.3	.510	1.6	.100
APR											
13...	.71	.60	.91	.15	.76	1.3	1.1	5.8	.240	.74	.070
JUN											
09...	.91	2.1	1.10	.00	2.2	2.0	2.9	8.9	.340	1.0	.080
AUG											
03...	1.0	.76	1.20	.30	.90	1.7	1.4	7.3	.180	.55	.080

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
OCT								
06...	1255	--	--	<10	--	--	--	--
DEC								
01...	1145	6600	2	50	<1	19	7	27
FEB								
08...	1100	--	--	50	--	--	--	--
APR								
13...	1200	--	--	80	--	--	--	--
JUN								
09...	1145	--	--	40	--	--	--	--
AUG								
03...	1145	--	--	80	--	--	--	--

DATE	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC								
01...	7500	14	450	<.1	4	8	<1	70

07047942 L'ANGUILLE RIVER NEAR COLT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)
OCT							
06...	--	--	--	--	--	--	--
06...	92	6.0	86	88	90	96	100
NOV							
03...	188	227	92	94	96	99	100
DEC							
01...	--	--	--	--	--	--	--
01...	205	86	97	98	99	99	100
JAN							
05...	222	138	98	98	98	99	100
FEB							
08...	--	--	--	--	--	--	--
08...	188	792	90	92	96	98	100
09...	161	59	90	92	94	98	100
MAR							
02...	115	102	--	98	99	100	--
APR							
06...	332	761	95	96	98	100	--
13...	--	--	--	--	--	--	--
MAY							
04...	103	258	96	98	99	100	--
JUN							
09...	--	--	--	--	--	--	--
09...	701	320	98	99	99	100	--
JUL							
06...	101	206	98	99	100	--	--
AUG							
03...	--	--	--	--	--	--	--
03...	149	82	98	98	99	100	--
SEP							
14...	98	114	90	95	96	97	100

DATE	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)
OCT									
06...	--	--	--	--	--	--	--	--	--
06...	98	98	99	99	100	--	--	--	--
NOV									
03...	96	97	98	99	100	--	--	--	--
DEC									
01...	--	--	--	--	--	--	--	--	--
01...	98	99	99	99	100	--	--	--	--
JAN									
05...	98	98	98	99	99	100	--	--	--
FEB									
08...	--	--	--	--	--	--	--	--	--
08...	98	99	99	99	100	--	--	--	--
09...	53	55	60	67	76	--	77	85	100
MAR									
02...	97	98	98	99	100	--	--	--	--
APR									
06...	98	99	99	99	100	--	--	--	--
MAY									
04...	87	90	93	97	100	--	--	--	--
JUN									
09...	--	--	--	--	--	--	--	--	--
09...	94	95	95	97	99	100	--	--	--
JUL									
06...	99	99	99	99	100	--	--	--	--
AUG									
03...	--	--	--	--	--	--	--	--	--
03...	99	99	99	99	100	--	--	--	--
SEP									
14...	99	99	99	99	100	--	--	--	--

07047950 L'ANGUILLE RIVER AT PALESTINE, AR

LOCATION.--Lat 34°58'20", long 90°53'10", in NW 1/4 sec.10, T.4 N., R.2 E., St. Francis County, Hydrologic Unit 08020205, at bridge on U.S. Highway 70, 1.0 mi (1.6 km) east of Palestine, and at mile 33.6 (54.1 km).

DRAINAGE AREA.--786 mi^2 (2,036 km^2).

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT										
06...	1700	80513	80513	--	4.0	528	7.7	20.0	.15	6.5
NOV										
03...	0900	80513	80513	--	476	230	7.3	14.0	.15	7.2
DEC										
01...	1015	80513	80513	--	218	226	7.6	10.0	.15	7.8
JAN										
05...	1000	80513	80513	--	384	197	7.7	6.0	.15	9.8
FEB										
08...	1000	80513	80513	67	2040	80	7.4	1.0	.15	12.1
08...	1030	80513	80513	68	583	92	7.5	1.0	.15	11.6
MAR										
02...	0930	80513	80513	--	687	173	7.3	8.0	.15	10.4
APR										
06...	1030	80513	80513	67	1200	101	7.1	14.0	.12	7.8
06...	1100	80513	80513	68	246	100	7.2	14.0	.12	7.8
MAY										
04...	1000	80513	80513	67	1430	92	7.2	21.0	.12	4.8
04...	1030	80513	80513	68	338	90	7.2	21.0	.12	5.1
JUN										
09...	1000	80513	80513	--	237	167	7.5	25.5	.09	4.6
JUL										
06...	0900	80513	80513	--	943	185	7.4	27.0	.15	3.8
AUG										
03...	0900	80513	80513	--	284	339	7.8	27.0	.15	4.9
SEP										
14...	0900	80513	80513	--	588	473	7.9	25.0	.09	5.1

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
OCT									
06...	71	124	1.3	--	--	--	--	--	96
NOV									
03...	70	86	111	96	96	97	100	--	41
DEC									
01...	69	92	54	96	97	98	99	100	89
JAN									
05...	79	258	267	96	96	98	99	100	94
FEB									
08...	85	152	837	92	94	96	100	--	95
08...	82	180	283	86	88	96	100	--	32
MAR									
02...	88	112	208	87	90	96	100	--	93
APR									
06...	76	253	820	89	92	99	100	--	97
06...	76	209	139	88	90	97	99	100	90
MAY									
04...	54	169	653	92	93	98	100	--	73
04...	57	131	120	95	97	97	99	100	83
JUN									
09...	56	237	152	99	99	99	100	--	81
JUL									
06...	48	111	283	96	98	99	100	--	55
AUG									
03...	62	164	126	97	98	99	100	--	58
SEP									
14...	62	193	306	98	98	99	100	--	90

07047950 L'ANGUILLE RIVER AT PALESTINE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
OCT									
06...	98	99	99	100	--	--	--	--	--
NOV									
03...	50	85	100	--	--	--	--	--	--
DEC									
01...	92	95	97	100	--	--	--	--	--
JAN									
05...	97	98	99	100	--	--	--	--	--
FEB									
08...	97	98	99	100	--	--	--	--	--
08...	33	33	34	35	--	36	38	48	100
MAR									
02...	96	98	99	100	--	--	--	--	--
APR									
06...	98	99	99	100	--	--	--	--	--
06...	92	93	93	96	--	96	100	--	--
MAY									
04...	77	85	93	98	100	--	--	--	--
04...	84	85	86	87	--	89	100	--	--
JUN									
09...	84	89	94	97	--	98	100	--	--
JUL									
06...	57	62	79	100	--	--	--	--	--
AUG									
03...	67	91	96	100	--	--	--	--	--
SEP									
14...	93	95	98	100	--	--	--	--	--

07047964 L'ANGUILLE RIVER AT MARIANNA, AR

LOCATION.--Lat 34°47'12", long 90°45'00", in SE 1/4 sec.11, T.2 N., R.3 E., Lee County, Hydrologic Unit 08020205, at bridge on U.S. Highway 79, 1.0 mi (1.6 km) northeast of Marianna.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
06...	1130	9827	9827	7.7	24.0	22.0	--	7.9	90	--	--
NOV											
03...	1330	9827	9827	7.4	23.0	17.0	65	6.9	71	--	2.2
DEC											
08...	1200	9827	9827	7.6	15.0	10.0	--	8.8	78	--	2.8
JAN											
05...	1200	9827	9827	7.3	10.0	8.0	>1000	9.3	78	--	6.7
FEB											
09...	1230	9827	9827	7.1	2.0	2.0	180	11.7	85	--	1.9
MAR											
09...	1250	9827	9827	7.0	17.0	11.0	80	7.8	70	--	2.9
APR											
06...	1210	9827	9827	7.4	9.0	17.0	50	10.9	112	--	1.8
MAY											
04...	1330	9827	9827	7.0	28.0	22.0	160	6.3	72	--	5.0
JUN											
01...	1215	9827	9827	7.0	22.0	27.0	130	--	--	--	2.8
29...	1120	9827	9827	7.2	26.0	25.0	260	4.7	56	--	2.2
JUL											
20...	1220	9827	9827	7.4	33.0	32.0	40	--	--	--	7.5
AUG											
17...	1300	9827	9827	7.5	29.0	26.0	65	6.1	74	24	2.9
SEP											
14...	1215	9827	9827	7.6	29.0	27.0	45	5.4	67	--	3.1

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
06...	230	298	26	20	374	.51	--	.17	.140	.140	--
NOV											
03...	230	110	24	21	216	.29	74	.15	.110	.290	.160
DEC											
08...	<10	118	23	18	212	.29	42	.43	.150	.270	.140
JAN											
05...	10	60	17	11	316	.43	404	.48	.220	1.28	.160
FEB											
09...	1500	34	--	8.0	201	.27	--	.36	.110	.420	.260
MAR											
09...	22	56	6.0	9.0	175	.24	51	.23	.100	.230	.080
APR											
06...	290	60	--	9.5	144	.20	18	--	.100	.180	.100
MAY											
04...	28	34	6.0	6.0	212	.29	84	.31	.280	.420	.250
JUN											
01...	70	44	10	8.5	193	.26	64	.55	.110	--	.240
29...	370	--	14	11	146	.20	226	.44	.100	.290	.150
JUL											
20...	64	122	12	--	177	.24	46	.18	.010	--	.030
AUG											
17...	340	126	8.0	16	191	.26	84	.33	--	.280	.090
SEP											
14...	280	144	10	19	225	.31	88	.15	.070	.270	.180

07047964 L'ANGUILLE RIVER AT MARIANNA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	1130	9	<1	4	<10	--	--	--
NOV								
03...	1330	<5	<1	8	<10	--	34	--
DEC								
08...	1200	<5	<1	--	<10	--	<5	13
JAN								
05...	1200	15	<1	20	22	--	7	69
FEB								
09...	1230	7	<1	--	10	--	5	39
MAR								
09...	1250	6	<1	<1	<10	--	<5	--
APR								
06...	1210	<5	<1	--	--	--	<5	16
MAY								
04...	1330	56	<1	--	<10	--	<5	13
JUN								
01...	1215	<5	<1	7	11	--	11	--
29...	1120	8	--	12	11	--	--	--
JUL								
20...	1220	<5	<1	<1	<10	<1.0	<5	23
AUG								
17...	1300	15	<1	4	<10	--	<5	10
SEP								
14...	1215	6	<1	4	<10	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
08...	1200	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
09...	1250	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
01...	1215	.00	.00	.00	.00	.00	.00	.00	.08	0	.00
SEP											
14...	1215	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07047968 ST. FRANCIS RIVER NORTH OF HELENA, AR

LOCATION.--Lat 34°39'14", long 90°38'10", in sec.36, T.1 N., R.4 E., Lee County, Hydrologic Unit 08020203, at Phillips ferry crossing, 10.0 mi (16.1 km) north of Helena.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT									
06...	1300	9827	9827	8.1	27.0	24.0	--	9.0	102
NOV									
03...	1240	9827	9827	7.8	23.0	17.0	35	8.7	90
DEC									
08...	1300	9827	9827	8.1	14.0	10.0	--	11.1	98
JAN									
05...	1300	9827	9827	7.9	12.0	9.0	140	10.3	89
FEB									
09...	1330	9827	9827	7.3	-1.0	1.0	310	12.0	85
MAR									
09...	1140	9827	9827	7.3	16.0	10.0	65	9.6	85
APR									
06...	1315	9827	9827	7.4	9.0	17.0	45	8.2	85
MAY									
04...	1225	9827	9827	7.3	29.0	22.0	200	5.8	66
JUN									
01...	1300	9827	9827	7.3	23.0	27.0	250	--	--
29...	1230	9827	9827	7.4	27.0	26.0	75	3.5	43
JUL									
20...	1140	9827	9827	7.6	32.0	31.0	25	--	--
AUG									
17...	1350	9827	9827	7.3	29.0	27.0	30	5.3	65
SEP									
14...	1300	9827	9827	7.7	29.0	28.0	45	5.8	73

DATE	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)
OCT									
06...	13	--	10	200	18	9.0	247	.34	--
NOV									
03...	18	3.3	140	150	22	13	213	.29	38
DEC									
08...	15	3.0	24	198	21	14	245	.33	6
JAN									
05...	21	5.0	24	172	21	11	235	.32	214
FEB									
09...	32	1.6	50	42	--	5.5	223	.30	--
MAR									
09...	18	2.3	8	68	7.0	7.5	149	.20	45
APR									
06...	14	3.4	15	110	--	10	162	.22	36
MAY									
04...	29	3.4	<10	76	11	5.5	172	.23	175
JUN									
01...	25	2.8	<4	84	11	6.5	176	.24	216
29...	18	3.2	44	--	13	9.0	172	.23	84
JUL									
20...	14	5.4	8	162	14	--	103	.14	28
AUG									
17...	--	2.6	210	92	9.0	6.5	147	.20	310
SEP									
14...	19	3.1	110	132	12	11	182	.25	59

07047968 ST. FRANCIS RIVER NORTH OF HELENA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT								
06...	.06	.020	.98	1.00	1.1	4.7	.190	--
NOV								
03...	.22	.050	.15	.20	.42	1.9	.140	.070
DEC								
08...	.03	.050	.25	.30	.33	1.5	.140	.040
JAN								
05...	.36	.070	.63	.70	1.1	4.7	.380	.030
FEB								
09...	.56	.120	1.3	1.40	2.0	8.7	.480	.250
MAR								
09...	.33	.090	--	<.10	--	--	.150	.040
APR								
06...	--	.100	.50	.60	--	--	.150	.060
MAY								
04...	.38	.120	1.4	1.50	1.9	8.3	.380	.080
JUN								
01...	1.0	.080	1.1	1.20	2.2	9.7	--	.120
29...	.34	.100	1.3	1.40	1.7	7.7	.190	.080
JUL								
20...	.16	.010	--	--	--	--	--	.070
AUG								
17...	.51	--	--	.70	1.2	5.4	.570	.060
SEP								
14...	.16	.080	.52	.60	.76	3.4	.180	.110

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	1300	13	<1	5	<10	--	--	--
NOV								
03...	1240	5	<1	4	<10	--	5	--
DEC								
08...	1300	<5	<1	--	18	--	<5	15
JAN								
05...	1300	20	<1	8	<10	--	<5	22
FEB								
09...	1330	6	<1	--	12	--	<5	40
MAR								
09...	1140	9	<1	<1	<10	--	<5	--
APR								
06...	1315	<5	<1	--	--	--	8	21
MAY								
04...	1225	<5	<1	--	12	--	<5	23
JUN								
01...	1300	<5	<1	14	<10	--	<5	30
29...	1230	6	--	8	<10	--	--	--
JUL								
20...	1140	<5	<1	6	<10	<1.0	<5	17
AUG								
17...	1350	30	<1	6	13	--	<5	32
SEP								
14...	1300	5	<1	6	<10	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT											
06...	1300	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JAN											
05...	1300	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
06...	1315	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
29...	1230	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
20...	1140	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07048000 WEST FORK WHITE RIVER AT GREENLAND, AR

LOCATION.--Lat 35°58'50", long 94°10'25", in NW 1/4 NW 1/4 sec.16, T.15 N., R.30 W., Washington County, Hydrologic Unit 11010001, near left bank on downstream side of highway bridge, 800 ft (244 m) upstream from bridge on U.S. Highway 71, 1.0 mi (1.6 km) south of Greenland, 5.5 mi (8.8 km) upstream from small tributary, and at mile 10.5 10.5 (16.9 km).

DRAINAGE AREA.--83.1 mi^2 (215.2 km^2).

PERIOD OF RECORD.--October 1945 to current year.

REVISED RECORDS.--WSP 1711: 1957. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,232.00 ft (375.514 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 20, 1945, nonrecording gage at present site and datum. October 1945 to September 30, 1976, at datum 1.00 ft (0.305 m) higher, Sept. 30, 1976 to May 28, 1980, at datum 1.00 ft (0.305 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--37 years, 107 ft^3/s (3.03 m^3/s), 17.49 in/yr (444 mm/yr), 77,500 acre-ft/yr (95.6 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,700 ft^3/s (983 m^3/s) May 6, 1960, gage height, 14.50 ft (4.420 m) in gage well; 13.60 ft (4.145 m), from floodmarks, from rating curve extended above 12,000 ft^3/s (340 m^3/s) on basis of contracted-opening measurement of peak flow; no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 3,000 ft^3/s (85 m^3/s) and maximum (*).

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
May 13	2130	*17,900	507	12.94	3.944
Jan. 30	2015	9,780	277	10.89	3.319
June 4	0100	3,060	86.7	6.26	1.908

Minimum discharge, 0.16 ft^3/s (.005 m^3/s) Sept. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	376	81	26	604	57	61	55	330	80	1.9	.40
2	8.8	219	64	26	380	52	66	53	241	57	1.8	.42
3	9.1	141	57	28	303	52	118	50	875	45	1.7	.48
4	9.5	193	50	32	216	72	95	49	1460	36	1.7	.40
5	9.0	145	46	36	170	65	84	46	524	29	1.6	.38
6	9.1	116	43	40	150	57	73	44	303	24	1.5	.40
7	9.0	100	41	40	135	52	66	44	204	22	1.5	.40
8	7.9	89	38	35	119	48	201	41	143	21	4.9	.36
9	5.9	78	36	30	156	46	152	38	116	18	2.7	.34
10	5.6	72	34	30	126	45	121	35	165	15	1.5	.32
11	5.6	65	33	30	109	44	106	33	147	13	1.7	.32
12	9.2	60	32	30	108	43	98	34	133	10	1.2	.29
13	13	57	30	30	101	42	89	4210	101	9.4	1.0	.27
14	41	52	30	25	118	486	81	2110	81	8.3	.86	.44
15	33	50	28	25	168	365	76	744	510	7.2	.72	.30
16	30	48	28	25	303	920	76	361	710	6.5	.64	.27
17	34	46	26	20	231	347	135	225	248	5.6	.58	.39
18	64	43	26	30	170	231	98	182	152	5.0	.41	.43
19	42	41	26	25	139	180	93	143	330	4.4	.32	.40
20	34	39	26	30	123	147	90	133	147	4.0	.30	.38
21	30	37	25	35	109	121	83	106	103	3.5	.32	.40
22	418	36	28	105	98	103	76	86	83	3.1	.37	.33
23	172	34	40	108	89	93	69	70	68	2.5	.30	.32
24	108	33	34	84	80	84	65	64	57	2.1	.38	.45
25	92	31	32	74	72	76	62	80	54	1.9	.40	.48
26	101	30	31	68	68	66	81	74	118	1.9	.48	.45
27	87	29	30	64	64	61	68	119	158	1.9	.53	.40
28	77	28	29	61	59	57	61	297	177	2.0	.46	.46
29	70	28	28	59	---	52	62	344	116	1.9	.44	.40
30	65	72	27	4460	---	72	60	196	80	2.1	.42	.38
31	77	---	26	1830	---	76	---	604	---	2.0	.40	---
TOTAL	1686.1	2388	1105	7541	4568	4212	2666	10670	7934	445.3	33.03	11.46
MEAN	54.4	79.6	35.6	243	163	136	88.9	344	264	14.4	1.07	.38
MAX	418	376	81	4460	604	920	201	4210	1460	80	4.9	.48
MIN	5.6	28	25	20	59	42	60	33	54	1.9	.30	.27
CFSM	.66	.96	.43	2.92	1.96	1.64	1.07	4.14	3.18	.17	.01	.005
IN.	.75	1.07	.49	3.38	2.04	1.89	1.19	4.78	3.55	.20	.01	.01
AC-FT	3340	4740	2190	14960	9060	8350	5290	21160	15740	883	66	23

CAL YR 1981 TOTAL 38812.90 MEAN 106 MAX 3630 MIN 3.2 CFSM 1.28 IN 17.37 AC-FT 76990
WTR YR 1982 TOTAL 43259.89 MEAN 119 MAX 4460 MIN .27 CFSM 1.43 IN 19.37 AC-FT 85810

07048550 WEST FORK WHITE RIVER EAST OF FAYETTEVILLE, AR

LOCATION.--Lat 36°03'00", long 94°04'42", in NW 1/4 sec.20, T.16 N., R.29 W., Washington County, Hydrologic Unit 11010001, at bridge on Mally Wagon Road, 0.5 mi (0.8 km) north of State Highway 16, 1.4 mi (2.3 km) upstream from White River, and 4.3 mi (6.9 km) east of Fayetteville.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT											
06...	0835	9827	9827	--	--	--	--	--	--	--	--
13...	0850	9827	9827	7.7	19.0	18.0	25	7.2	76	3.1	40
DEC											
08...	0835	9827	9827	8.0	2.0	7.0	20	10.4	85	1.4	16
JAN											
05...	1004	9827	9827	7.9	11.0	5.0	9.0	11.5	90	1.3	8
FEB											
09...	1005	9827	9827	7.7	3.0	1.0	20	11.6	82	.9	10
MAR											
09...	0903	9827	9827	9.6	7.0	5.0	1.6	11.9	93	.4	20
APR											
06...	0923	9827	9827	7.5	13.0	10.0	260	10.0	88	1.4	150
MAY											
04...	0634	9827	9827	7.5	16.0	16.0	20	8.8	88	1.6	120
JUN											
01...	0800	9827	9827	7.3	12.0	19.0	65	8.4	89	1.1	--
JUL											
06...	0900	9827	9827	6.9	30.0	27.0	25	5.7	70	2.5	110
27...	0830	9827	9827	7.5	20.0	24.0	20	5.6	66	--	44
AUG											
17...	0950	9827	9827	7.4	25.0	26.0	40	4.2	51	2.8	140
SEP											
21...	0601	9827	9827	7.5	10.0	15.0	25	6.1	60	1.4	8

DATE	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT										
13...	110	--	11	156	.21	30	.10	.050	.030	<.010
DEC										
08...	66	15	6.5	88	.12	40	.19	.040	.050	.010
JAN										
05...	--	34	12	127	.17	12	.32	.070	.060	.010
FEB										
09...	60	5.0	9.0	99	.13	16	.84	.080	.110	.040
MAR										
09...	62	17	8.5	117	.16	8	.29	.010	.040	.010
APR										
06...	66	--	5.5	84	.11	24	--	.030	.070	.020
MAY										
04...	64	--	4.5	96	.13	27	.15	.060	.060	<.010
JUN										
01...	46	8.0	3.5	102	.14	48	.32	.090	.140	.060
JUL										
06...	60	13	12	98	.13	32	.74	.180	.100	.050
27...	74	13	22	132	.18	26	.90	.100	.500	.310
AUG										
17...	82	15	21	143	.19	--	.63	.040	.060	.450
SEP										
21...	96	--	10	151	.21	27	.09	.010	.080	.010

07048550 WEST FORK WHITE RIVER EAST OF FAYETTEVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
13...	0850	<5	<1	4	18	--	<5	--
DEC								
08...	0835	<5	<1	<1	<10	--	<5	26
JAN								
05...	1004	9	<1	2	31	--	<5	46
FEB								
09...	1005	<5	<1	3	26	--	<5	46
MAR								
09...	0903	<5	<1	<1	<10	--	<5	21
APR								
06...	0923	<5	<1	3	19	--	--	27
MAY								
04...	0634	<5	<1	<1	37	--	--	23
JUN								
01...	0800	10	<1	3	32	--	--	37
JUL								
06...	0900	<5	2	6	62	<1.0	<5	170
27...	0830	<5	<1	4	98	<1.0	<5	38
AUG								
17...	0950	8	<1	2	66	--	<5	73
SEP								
21...	0601	<5	<1	<1	--	--	<5	88

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT											
06...	0835	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JAN											
05...	1004	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
06...	0923	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
06...	0900	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07048600 WHITE RIVER NEAR FAYETTEVILLE, AR

LOCATION.--Lat 36°04'23", long 94°04'51", in NE 1/4 SW 1/4 sec.8, T.16 N., R.29 W., Washington County, Hydrologic Unit 11010001, on left bank at downstream side of bridge on county road, 0.6 mi (1.0 km) downstream from West Fork White River, 0.8 mi (1.3 km) downstream from Lake Sequoyah Dam on White River, 4.3 mi (6.9 km) east of Fayetteville, and at mile 684.0 (1,100.6 km).

DRAINAGE AREA.--400 mi^2 (1,036 km^2).

PERIOD OF RECORD.--October 1963 to current year.

REVISED RECORDS.--WRD Ark. 1973: Drainage area. WRD Ark. 1974: 1966(M), 1972(M).

GAGE.--Water-stage recorder. Datum of gage is 1,138.25 ft (346.939 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--19 years, 510 ft^3/s (14.4 m^3/s), 17.31 in/yr (440 mm/yr), 369,500 acre-ft/yr (456 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 46,400 ft^3/s (1,310 m^3/s) Nov. 25, 1973, gage height, 30.29 ft (9.232 m), from rating curve extended above 30,900 ft^3/s (875 m^3/s); minimum, 0.80 ft^3/s (0.020 m^3/s), Sept. 21, 22, 1980, gage height, 0.81 ft (0.247 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft^3/s (227 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 31	0100	*29,400	833	25.65	7.818	June 4	0900	8,940	253	14.44	4.401
May 14	0400	19,700	558	21.30	6.492	June 15	2400	15,400	436	18.96	5.779

Minimum discharge, 1.0 ft^3/s (0.03 m^3/s) Sept. 30, gage height 1.06 ft (0.323 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	2900	737	98	3980	290	490	373	1310	295	20	24
2	11	2540	517	94	2390	271	573	347	912	245	19	24
3	14	1370	407	102	1880	267	904	322	3390	194	21	23
4	15	1310	349	158	1390	348	604	299	6740	151	24	23
5	15	1020	300	200	1100	323	512	277	2760	123	24	23
6	20	752	273	200	859	281	448	258	1600	106	26	22
7	24	590	257	201	713	256	407	263	1090	98	36	22
8	23	493	237	190	689	238	905	257	775	93	57	22
9	21	422	218	171	910	222	956	226	585	90	52	22
10	21	365	204	145	696	213	769	203	657	80	38	22
11	21	288	179	116	587	208	668	180	654	68	34	21
12	39	189	164	142	582	209	598	167	595	62	32	21
13	42	159	152	125	556	196	542	2940	449	56	32	21
14	213	148	141	120	648	1500	483	11000	368	50	32	33
15	486	149	136	125	832	1910	437	2810	3610	43	31	24
16	302	134	128	117	1820	3220	408	1620	5380	38	30	21
17	276	110	117	95	1340	1630	903	1100	1220	34	29	20
18	591	121	113	110	993	1160	795	984	733	29	28	18
19	476	129	105	106	802	941	689	706	1120	33	28	17
20	340	124	101	106	688	807	616	571	694	40	27	16
21	263	117	96	108	602	676	522	468	488	38	27	16
22	1520	111	121	615	526	581	458	395	402	37	26	15
23	1120	106	169	1090	473	518	415	337	331	36	26	14
24	664	100	159	736	417	470	381	303	279	35	25	14
25	511	98	133	593	374	425	378	435	250	35	25	12
26	661	87	122	494	349	387	673	360	288	29	25	12
27	597	85	120	435	331	352	504	465	515	23	31	10
28	470	82	112	399	309	325	424	870	597	36	33	9.7
29	395	82	109	365	---	307	425	1390	461	28	26	8.7
30	335	157	108	10100	---	344	407	822	372	40	25	6.9
31	481	---	91	17100	---	645	---	2100	---	26	24	---
TOTAL	9979	14338	6175	34756	26836	19520	17294	32848	38625	2291	913	557.3
MEAN	322	478	199	1121	958	630	576	1060	1288	73.9	29.5	18.6
MAX	1520	2900	737	17100	3980	3220	956	11000	6740	295	57	33
MIN	11	82	91	94	309	196	378	167	250	23	19	6.9
CFSM	.81	1.20	.50	2.80	2.40	1.58	1.44	2.65	3.22	.19	.07	.05
IN.	.93	1.33	.57	3.23	2.50	1.82	1.61	3.05	3.59	.21	.08	.05
AC-FT	19790	28440	12250	68940	53230	38720	34300	65150	76610	4540	1810	1110

CAL YR 1981 TOTAL 163724.0 MEAN 449 MAX 7040 MIN 11 CFSM 1.12 IN 15.23 AC-FT 324700
WTR YR 1982 TOTAL 204132.3 MEAN 559 MAX 17100 MIN 6.9 CFSM 1.40 IN 18.98 AC-FT 404900

07048700 WHITE RIVER NEAR GOSHEN, AR

LOCATION.--Lat 36°06'21", long 94°00'41", in NE 1/4 NW 1/4 sec.31, T.17 N., R.28 W., Washington County, Hydrologic Unit 11010001, at bridge on State Highway 45, 0.2 mi (0.3 km) upstream from Richland Creek, and 1.2 mi (1.9 km) west of Goshen.

DRAINAGE AREA.--412 mi^2 (1,067 km^2).

PERIOD OF RECORD.--July 1969 to July 1973, April 1974 to current year.

COOPERATION.--Additional records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)
OCT										
06...	0905	9827	9827	--	--	31	--	--	--	--
13...	0928	9827	9827	--	--	54	--	7.4	19.0	18.0
DEC										
08...	0905	9827	9827	--	--	248	--	7.7	2.0	7.0
08...	1415	80513	80513	.00	6	--	--	--	15.0	--
08...	1420	80513	80010	3.00	6	--	94	7.6	--	10.0
JAN										
05...	1050	9827	9827	--	--	222	--	7.7	11.0	5.0
FEB										
09...	1035	9827	9827	--	--	833	--	7.4	-3.0	.0
MAR										
09...	0940	9827	9827	--	--	243	--	7.5	7.0	5.0
APR										
06...	0955	9827	9827	--	--	391	--	7.3	13.0	10.0
MAY										
04...	0604	9827	9827	--	--	309	--	7.2	16.0	16.0
18...	1355	80513	80513	.00	9	--	--	--	24.0	--
18...	1400	80513	80010	4.50	9	--	78	7.2	--	20.0
JUN										
01...	0732	9827	9827	--	--	1430	--	7.1	12.0	19.0
JUL										
06...	0830	9827	9827	--	--	117	--	7.1	29.0	27.0
27...	0800	9827	9827	--	--	26	--	7.8	20.0	24.0
AUG										
17...	0925	9827	9827	--	--	37	--	7.8	25.0	26.0
17...	1455	80513	80513	.00	6	--	--	--	33.5	--
17...	1500	80513	80010	3.00	6	--	215	7.3	--	30.0
SEP										
21...	0620	9827	9827	--	--	34	--	7.6	10.0	15.0

07048700 WHITE RIVER NEAR GOSHEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)
OCT										
06...	--	--	--	--	--	--	--	--	--	--
13...	--	15	--	--	3.9	41	4.4	150	--	84
DEC										
08...	--	30	--	--	9.9	81	4.1	4	--	46
08...	--	--	23.0	.58	--	--	--	--	K2	--
08...	15	17	--	--	10.4	--	1.7	--	--	31
JAN										
05...	--	20	--	--	11.7	91	2.6	32	--	46
FEB										
09...	--	75	--	--	12.1	85	8.0	--	--	44
MAR										
09...	--	20	--	--	11.0	86	.7	<4	--	54
APR										
06...	--	40	--	--	9.5	84	2.8	8	--	56
MAY										
04...	--	15	--	--	8.8	88	2.1	<4	--	36
18...	--	--	18.0	.46	--	--	--	--	K290	--
18...	25	28	--	--	7.8	--	1.0	--	--	28
JUN										
01...	--	90	--	--	8.4	89	3.4	<4	--	40
JUL										
06...	--	25	--	--	6.5	80	1.7	100	--	62
27...	--	30	--	--	5.5	65	--	30	--	90
AUG										
17...	--	20	--	--	5.2	63	2.0	<4	--	108
17...	--	--	18.0	.46	--	--	--	--	160	--
17...	20	5.1	--	--	4.6	--	1.4	--	--	74
SEP										
21...	--	3.3	--	--	.5	5	--	>600	--	100

DATE	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT										
06...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	24	168	.23
DEC										
08...	--	--	--	--	--	--	11	7.5	77	.10
08...	--	--	--	--	--	--	--	--	--	--
08...	7.0	10	25	1.4	1.3	24	10	5.1	--	--
JAN										
05...	--	--	--	--	--	--	15	--	73	.10
FEB										
09...	--	--	--	--	--	--	12	7.0	82	.11
MAR										
09...	--	--	--	--	--	--	12	9.0	80	.11
APR										
06...	--	--	--	--	--	--	--	7.5	77	.10
MAY										
04...	--	--	--	--	--	--	--	4.0	72	.10
18...	--	--	--	--	--	--	--	--	--	--
18...	.00	8.7	22	1.6	1.3	28	7.0	2.4	--	--
JUN										
01...	--	--	--	--	--	--	6.0	3.5	92	.13
JUL										
06...	--	--	--	--	--	--	15	8.5	97	.13
27...	--	--	--	--	--	--	13	17	135	.18
AUG										
17...	--	--	--	--	--	--	14	13	159	.22
17...	--	--	--	--	--	--	--	--	--	--
17...	10	26	65	2.3	3.0	64	14	12	--	--
SEP										
21...	--	--	--	--	--	--	--	39	196	.27

07048700 WHITE RIVER NEAR GOSHEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT										
06...	--	--	--	--	--	--	--	--	--	--
13...	20	.90	.590	--	--	--	--	1.80	--	1.50
DEC										
08...	16	.51	.350	--	--	--	--	.460	--	.270
08...	--	--	--	--	--	--	--	--	--	--
08...	--	.46	.370	.00	.29	.75	3.3	.340	1.0	.310
JAN										
05...	28	.74	.060	--	--	--	--	1.05	--	.030
FEB										
09...	429	1.0	.130	--	--	--	--	.620	--	.080
MAR										
09...	22	.38	.110	--	--	--	--	.140	--	.030
APR										
06...	35	--	.190	--	--	--	--	.260	--	.140
MAY										
04...	14	.36	.060	--	--	--	--	.100	--	.020
18...	--	--	--	--	--	--	--	--	--	--
18...	--	.43	.030	.46	.49	.92	4.1	.080	.25	.030
JUN										
01...	94	.34	.120	--	--	--	--	--	--	.060
JUL										
06...	29	.22	.070	--	--	--	--	.060	--	<.010
27...	32	.11	.060	--	--	--	--	.080	--	.010
AUG										
17...	--	.64	.150	--	--	--	--	--	--	.010
17...	--	--	--	--	--	--	--	--	--	--
17...	--	.62	.090	1.3	1.40	2.0	8.9	.620	1.9	.550
SEP										
21...	9	.02	.330	--	--	--	--	3.00	--	4.90

DATE	TIME	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)
OCT							
13...	0928	--	<5	2	3	56	--
DEC							
08...	0905	--	<5	<1	3	24	--
08...	1420	220	1	--	<0	17	650
JAN							
05...	1050	--	5	<1	<1	19	--
FEB							
09...	1035	--	<5	2	27	74	--
MAR							
09...	0940	--	<5	<1	<1	14	--
APR							
06...	0955	--	<5	<1	5	20	--
MAY							
04...	0604	--	<5	<1	<1	36	--
18...	1400	510	1	--	20	4	1200
JUN							
01...	0732	--	6	<1	5	12	--
JUL							
06...	0830	--	<5	<1	2	63	--
27...	0800	--	<5	<1	2	300	--
AUG							
17...	0925	--	<5	<1	2	150	--
17...	1500	290	3	--	10	9	880
SEP							
21...	0620	--	<5	<1	<1	--	--

07048700 WHITE RIVER NEAR GOSHEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT						
13...	--	--	--	--	<5	--
DEC						
08...	--	--	--	--	<5	48
08...	2	100	<.1	4	--	70
JAN						
05...	--	--	--	--	<5	15
FEB						
09...	--	--	--	--	<5	100
MAR						
09...	--	--	--	--	<5	21
APR						
06...	--	--	--	--	--	22
MAY						
04...	--	--	--	--	--	23
18...	3	120	<.1	4	--	20
JUN						
01...	--	--	--	--	--	14
JUL						
06...	--	--	7.5	--	<5	100
27...	--	--	7.8	--	<5	36
AUG						
17...	--	--	--	--	<5	100
17...	3	430	<.1	6	--	50
SEP						
21...	--	--	--	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT											
06...	0905	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JAN											
05...	1050	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
06...	0955	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
06...	0830	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR

LOCATION.--Lat 36°25'15", long 93°50'50", in NW 1/4 NW 1/4 sec.10, T.20 N., R.27 W., Carroll County, Hydrologic Unit 11010001, at dam on White River, 6.0 mi (9.7 km) west of Eureka Springs, and at mile 609.0 (979.9 km).

DRAINAGE AREA.--1,192 mi^2 (3,087 km^2).

PERIOD OF RECORD.--Water years 1968-71, 1973, December 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT								
20...	1300	80513	.00	150	7.8	19.5	204	8.2
20...	1302	80513	10.0	148	7.9	19.5	--	8.1
20...	1304	80513	20.0	148	8.0	19.5	--	8.0
20...	1306	80513	30.0	148	8.0	19.5	--	8.0
20...	1308	80513	40.0	148	8.0	19.5	--	8.0
20...	1310	80513	50.0	148	8.0	19.5	--	8.0
20...	1312	80513	60.0	148	8.0	19.5	--	7.9
20...	1314	80513	62.0	148	7.5	18.5	--	5.5
20...	1316	80513	63.0	146	7.3	17.0	--	2.4
20...	1318	80513	67.0	146	7.2	16.0	--	2.3
20...	1320	80513	70.0	146	7.1	15.5	--	2.3
20...	1322	80513	73.0	146	7.1	14.5	--	2.3
20...	1324	80513	80.0	146	7.1	13.5	--	2.5
20...	1326	80513	85.0	146	7.1	12.5	--	2.7
20...	1328	80513	90.0	146	7.1	11.5	--	2.7
20...	1330	80513	95.0	146	7.1	10.5	--	2.9
20...	1332	80513	100	146	7.1	10.0	--	3.0
20...	1334	80513	105	146	7.1	9.0	--	2.9
20...	1336	80513	110	146	7.1	8.5	--	2.8
20...	1338	80513	120	147	7.1	8.0	--	2.6
20...	1340	80513	130	147	7.1	7.5	--	2.2
20...	1342	80513	140	147	7.1	7.0	--	1.9
20...	1344	80513	150	147	7.1	7.0	--	1.7
20...	1346	80513	160	147	7.0	6.5	--	1.2
20...	1348	80513	170	147	7.0	6.5	--	.8
20...	1350	80513	174	148	7.0	6.5	--	.5
NOV								
16...	1450	80513	.00	151	8.0	15.5	210	8.7
16...	1452	80513	10.0	151	8.0	15.5	--	8.6
16...	1454	80513	20.0	151	8.0	15.5	--	8.6
16...	1456	80513	30.0	151	8.0	15.5	--	8.5
16...	1458	80513	40.0	151	8.0	15.5	--	8.4
16...	1500	80513	50.0	151	8.0	15.5	--	8.4
16...	1502	80513	60.0	151	8.0	15.5	--	8.3
16...	1504	80513	70.0	151	7.9	15.0	--	7.7
16...	1506	80513	77.0	150	7.6	14.0	--	1.8
16...	1508	80513	80.0	149	7.4	13.0	--	1.8
16...	1510	80513	85.0	149	7.3	12.0	--	2.0
16...	1512	80513	90.0	149	7.3	11.5	--	2.2
16...	1514	80513	95.0	149	7.3	10.5	--	2.4
16...	1516	80513	100	149	7.3	10.0	--	2.5
16...	1518	80513	110	150	7.3	9.0	--	2.5
16...	1520	80513	120	151	7.2	8.0	--	1.9
16...	1522	80513	130	151	7.2	7.5	--	1.3
16...	1524	80513	140	151	7.2	7.0	--	1.1
16...	1526	80513	150	151	7.2	7.0	--	1.1
16...	1528	80513	160	151	7.2	7.0	--	.6
16...	1530	80513	170	151	7.2	6.5	--	.6
16...	1532	80513	180	152	7.1	6.5	--	.2
16...	1535	80513	186	155	7.1	6.5	--	.1

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC									
09...	1420	80513	80513	.00	179	150	7.9	12.5	9.3
09...	1422	80513	--	10.0	179	150	7.9	12.0	9.2
09...	1424	80513	--	20.0	179	150	8.0	12.0	9.2
09...	1425	80513	80010	25.0	179	150	8.0	12.0	9.2
09...	1426	80513	--	30.0	179	150	7.9	12.0	9.2
09...	1428	80513	--	40.0	179	150	7.9	12.0	9.1
09...	1430	80513	--	50.0	179	150	7.9	12.0	9.1
09...	1432	80513	--	60.0	179	150	7.9	12.0	9.1
09...	1434	80513	--	70.0	179	150	7.9	12.0	9.1
09...	1436	80513	--	80.0	179	150	7.9	12.0	9.1
09...	1438	80513	--	90.0	179	152	7.7	11.5	8.2
09...	1440	80513	80010	100	179	150	7.4	10.5	1.9
09...	1442	80513	--	105	179	150	7.3	9.5	1.7
09...	1444	80513	--	110	179	150	7.2	9.0	1.6
09...	1446	80513	--	120	179	150	7.2	8.5	1.1
09...	1448	80513	--	130	179	150	7.2	7.5	.5
09...	1450	80513	--	140	179	150	7.1	7.5	.3
09...	1452	80513	--	150	179	150	7.1	7.0	.3
09...	1453	80513	--	160	179	150	7.1	7.0	.2
09...	1454	80513	--	170	179	151	7.1	7.0	.1
09...	1455	80513	--	179	179	153	7.1	7.0	.0

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
DEC												
09...	1420	.00	179	--	--	215	--	0	--	--	--	--
09...	1425	25.0	179	3	.60	--	.2	--	.00	17	42	2.0
09...	1440	100	179	2	.70	--	.0	--	.00	15	38	2.3

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC									
09...	1425	1.2	59	9.7	4.3	.09	.060	<.10	<.010
09...	1440	1.6	63	9.2	3.6	.09	.070	<.10	<.010

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
09...	1425	.010	40	1	<0	5	80	10	<.1	1	60
09...	1440	<.010	40	1	<0	5	80	40	<.1	1	40

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN								
26...	1220	80513	.00	152	8.0	6.0	174	10.6
26...	1222	80513	10.0	152	8.0	5.5	--	10.6
26...	1223	80513	20.0	152	8.0	5.5	--	10.6
26...	1225	80513	30.0	152	8.0	5.5	--	10.6
26...	1227	80513	40.0	152	8.0	5.5	--	10.6
26...	1230	80513	50.0	152	8.0	5.5	--	10.5
26...	1231	80513	60.0	152	8.0	5.5	--	10.5
26...	1233	80513	70.0	152	8.0	5.5	--	10.5
26...	1235	80513	80.0	152	8.0	5.5	--	10.5
26...	1236	80513	90.0	152	8.0	5.5	--	10.5
26...	1238	80513	100	152	8.0	5.5	--	10.5
26...	1240	80513	110	152	8.0	5.5	--	10.5
26...	1242	80513	120	152	8.0	5.5	--	10.5
26...	1244	80513	130	152	8.0	5.5	--	10.4
26...	1246	80513	140	153	7.9	5.0	--	10.3
26...	1248	80513	150	153	7.9	5.0	--	10.3
26...	1250	80513	160	153	7.9	5.0	--	10.3
26...	1252	80513	170	153	7.9	5.0	--	10.3
26...	1255	80513	175	153	7.9	5.0	--	10.3
FEB								
16...	1445	80513	.00	153	7.8	5.5	144	11.6
16...	1446	80513	10.0	153	7.8	5.0	--	11.8
16...	1448	80513	20.0	153	7.8	5.0	--	11.8
16...	1450	80513	30.0	154	7.8	4.5	--	11.9
16...	1452	80513	40.0	154	7.8	4.5	--	11.9
16...	1454	80513	50.0	154	7.8	4.5	--	11.9
16...	1456	80513	60.0	154	7.8	4.5	--	12.0
16...	1458	80513	70.0	154	7.8	4.5	--	12.1
16...	1500	80513	80.0	154	7.8	4.5	--	12.2
16...	1502	80513	90.0	154	7.7	4.5	--	12.2
16...	1504	80513	100	154	7.7	4.5	--	12.3
16...	1506	80513	110	154	7.7	4.5	--	12.3
16...	1508	80513	120	155	7.7	4.5	--	12.3
16...	1510	80513	130	155	7.7	4.5	--	12.3
16...	1512	80513	140	155	7.7	4.5	--	12.2
16...	1514	80513	150	155	7.7	4.5	--	12.2
16...	1516	80513	160	155	7.7	4.5	--	12.2
16...	1518	80513	170	155	7.7	4.5	--	12.2
16...	1520	80513	180	155	7.7	4.5	--	12.2
16...	1522	80513	190	155	7.7	4.5	--	12.2
16...	1525	80513	194	155	7.7	4.5	--	12.1
MAR								
23...	1050	80513	.00	152	8.1	10.5	146	11.4
23...	1052	80513	10.0	152	8.1	10.0	--	11.4
23...	1054	80513	20.0	152	8.1	9.0	--	11.6
23...	1056	80513	30.0	152	8.1	9.0	--	11.6
23...	1058	80513	40.0	151	8.0	8.5	--	11.6
23...	1100	80513	50.0	150	8.0	7.5	--	11.4
23...	1102	80513	60.0	150	7.9	6.5	--	11.3
23...	1104	80513	70.0	150	7.9	6.0	--	11.2
23...	1106	80513	80.0	151	7.8	6.0	--	11.2
23...	1108	80513	90.0	151	7.8	6.0	--	11.2
23...	1110	80513	100	151	7.8	5.5	--	11.2
23...	1112	80513	110	151	7.8	5.5	--	11.1
23...	1114	80513	120	151	7.7	5.5	--	11.0
23...	1116	80513	130	151	7.7	5.0	--	10.8
23...	1118	80513	140	151	7.7	5.0	--	10.7
23...	1120	80513	150	151	7.6	5.0	--	10.6
23...	1122	80513	160	151	7.6	5.0	--	10.4
23...	1124	80513	170	151	7.6	5.0	--	10.4
23...	1126	80513	180	151	7.6	5.0	--	10.2
23...	1130	80513	184	152	7.5	5.0	--	10.0

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
APR								
20...	1245	80513	.00	145	8.1	13.5	174	10.1
20...	1246	80513	10.0	145	8.1	13.5	--	10.1
20...	1248	80513	20.0	145	8.1	13.0	--	10.1
20...	1250	80513	30.0	145	8.1	12.5	--	10.2
20...	1252	80513	33.0	145	8.1	11.5	--	10.2
20...	1254	80513	37.0	145	8.1	10.5	--	10.3
20...	1256	80513	40.0	145	8.0	10.5	--	10.3
20...	1258	80513	50.0	145	8.0	10.0	--	10.2
20...	1300	80513	60.0	145	8.0	10.0	--	10.2
20...	1302	80513	70.0	145	8.0	9.5	--	10.1
20...	1304	80513	80.0	144	7.9	8.5	--	10.1
20...	1306	80513	85.0	144	7.8	7.5	--	10.1
20...	1308	80513	90.0	144	7.8	7.0	--	10.1
20...	1310	80513	100	144	7.8	6.5	--	10.1
20...	1312	80513	110	144	7.7	6.0	--	10.1
20...	1314	80513	120	144	7.7	6.0	--	10.1
20...	1316	80513	130	144	7.7	6.0	--	10.1
20...	1318	80513	140	144	7.7	5.5	--	10.1
20...	1320	80513	150	144	7.7	5.5	--	10.0
20...	1322	80513	160	144	7.6	5.5	--	9.9
20...	1324	80513	170	144	7.6	5.5	--	9.8
20...	1326	80513	180	144	7.6	5.5	--	9.8
20...	1330	80513	189	144	7.6	5.5	--	9.6

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY									
19...	1335	80513	80513	.00	185	152	8.1	22.5	8.6
19...	1337	80513	--	10.0	185	152	8.1	21.5	8.7
19...	1338	80513	--	15.0	185	151	8.1	20.5	8.9
19...	1339	80513	--	20.0	185	151	8.1	19.5	9.1
19...	1340	80513	80010	25.0	185	151	8.1	18.5	9.4
19...	1342	80513	--	27.0	185	152	8.1	17.5	9.6
19...	1344	80513	--	30.0	185	152	8.0	16.5	10.0
19...	1346	80513	--	32.0	185	153	8.0	15.5	10.0
19...	1348	80513	--	33.0	185	153	8.0	14.5	10.1
19...	1350	80513	--	36.0	185	153	7.8	13.5	9.9
19...	1352	80513	--	40.0	185	153	7.7	12.5	9.8
19...	1354	80513	--	50.0	185	153	7.6	11.5	9.5
19...	1356	80513	--	55.0	185	153	7.5	10.5	9.4
19...	1358	80513	--	60.0	185	153	7.5	10.0	9.3
19...	1400	80513	--	70.0	185	152	7.5	9.5	9.3
19...	1402	80513	--	80.0	185	152	7.4	8.5	9.2
19...	1404	80513	--	90.0	185	152	7.3	7.5	9.2
19...	1405	80513	80010	100	185	151	7.3	7.0	9.4
19...	1406	80513	--	110	185	151	7.3	6.5	9.4
19...	1408	80513	--	120	185	151	7.3	6.0	9.3
19...	1410	80513	--	130	185	151	7.3	6.0	9.3
19...	1412	80513	--	140	185	151	7.3	6.0	9.2
19...	1414	80513	--	150	185	151	7.3	6.0	9.1
19...	1416	80513	--	160	185	152	7.3	6.0	8.9
19...	1418	80513	--	170	185	152	7.2	6.0	8.8
19...	1419	80513	--	180	185	152	7.2	6.0	8.6
19...	1420	80513	--	185	185	153	7.2	6.0	8.2

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
MAY												
19...	1335	.00	185	--	--	314	--	0	--	--	--	--
19...	1340	25.0	185	<1	.60	--	.8	--	.00	21	52	2.1
19...	1405	100	185	<1	.80	--	.3	--	.00	20	50	2.1

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
MAY												
19...	1340	1.7	63	8.0	3.7	.14	.040	.25	.29	.43	1.9	<.010
19...	1405	1.7	64	8.0	3.6	.18	.060	.39	.45	.63	2.8	.030

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY											
19...	1340	<.010	50	1	10	2	30	<10	<.1	3	<10
19...	1405	<.010	50	1	20	5	70	<10	<.1	4	10

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
19...	1336	80513	80010	3.00	185	<.010	<.010	<.03	.300	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN								
22...	1310	80513	.00	153	8.4	24.5	233	8.1
22...	1312	80513	10.0	152	8.3	24.5	--	8.1
22...	1314	80513	20.0	151	8.4	23.5	--	8.6
22...	1316	80513	24.0	151	8.4	22.5	--	8.7
22...	1318	80513	28.0	153	8.4	21.5	--	8.9
22...	1320	80513	30.0	153	8.4	20.5	--	9.1
22...	1322	80513	33.0	153	8.3	19.5	--	9.3
22...	1324	80513	34.0	153	8.3	18.5	--	9.4
22...	1326	80513	36.0	153	8.2	17.5	--	9.4
22...	1328	80513	38.0	153	8.1	16.5	--	9.3
22...	1330	80513	40.0	153	8.0	15.5	--	9.3
22...	1332	80513	44.0	153	8.0	14.5	--	9.2
22...	1334	80513	48.0	153	7.9	13.5	--	9.2
22...	1336	80513	50.0	154	7.8	13.0	--	9.0
22...	1338	80513	55.0	154	7.7	12.0	--	8.9
22...	1340	80513	60.0	154	7.7	11.5	--	8.7
22...	1342	80513	70.0	154	7.6	10.5	--	8.1
22...	1344	80513	80.0	154	7.5	10.0	--	7.7
22...	1346	80513	90.0	153	7.4	9.5	--	7.7
22...	1348	80513	100	153	7.4	8.5	--	7.7
22...	1350	80513	110	153	7.4	8.0	--	7.7
22...	1352	80513	120	153	7.4	7.0	--	7.7
22...	1354	80513	130	153	7.3	6.5	--	7.7
22...	1356	80513	140	153	7.3	6.5	--	7.6
22...	1358	80513	150	153	7.3	6.5	--	7.5
22...	1400	80513	160	153	7.2	6.0	--	7.4
22...	1402	80513	170	153	7.2	6.0	--	7.3
22...	1404	80513	180	154	7.2	6.0	--	7.2
22...	1405	80513	186	154	7.2	6.0	--	7.0

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUL									
20...	1250	80513	--	.00	152	8.6	29.5	294	6.4
20...	1252	80513	--	10.0	152	8.6	29.0	--	6.5
20...	1254	80513	--	20.0	152	8.6	28.5	--	6.5
20...	1256	80513	--	24.0	152	8.6	28.0	--	6.6
20...	1258	80513	--	25.0	152	8.7	27.0	--	7.2
20...	1300	80513	--	26.0	152	8.7	26.0	--	7.7
20...	1302	80513	--	27.0	152	8.8	24.5	--	8.8
20...	1304	80513	--	28.0	152	8.8	23.0	--	9.2
20...	1306	80513	--	29.0	150	8.8	22.0	--	9.2
20...	1308	80513	--	30.0	150	8.7	21.0	--	9.0
20...	1310	80513	--	33.0	150	8.3	20.0	--	8.0
20...	1312	80513	--	35.0	150	8.1	19.0	--	7.7
20...	1314	80513	--	38.0	152	8.1	18.0	--	8.1
20...	1316	80513	--	40.0	154	8.1	17.5	--	8.1
20...	1318	80513	--	44.0	154	8.0	16.5	--	8.0
20...	1320	80513	--	48.0	154	7.9	15.5	--	7.8
20...	1322	80513	--	50.0	154	7.9	14.5	--	7.8
20...	1324	80513	--	54.0	156	7.8	13.5	--	7.6
20...	1326	80513	--	57.0	156	7.8	12.5	--	7.5
20...	1328	80513	--	60.0	156	7.7	12.0	--	7.3
20...	1330	80513	--	70.0	156	7.6	11.0	--	6.6
20...	1332	80513	--	80.0	156	7.6	10.5	--	6.2
20...	1334	80513	--	90.0	156	7.5	10.0	--	6.1
20...	1336	80513	--	100	154	7.5	9.0	--	6.1
20...	1338	80513	--	110	154	7.5	8.5	--	6.2
20...	1340	80513	--	120	154	7.5	8.0	--	6.2
20...	1342	80513	--	130	154	7.4	7.0	--	6.0
20...	1344	80513	--	140	154	7.4	6.5	--	5.8
20...	1346	80513	--	150	154	7.4	6.5	--	5.5
20...	1348	80513	--	160	154	7.4	6.5	--	5.3
20...	1350	80513	--	170	154	7.3	6.5	--	5.3
20...	1352	80513	--	180	156	7.3	6.5	--	5.1
20...	1355	80513	--	185	156	7.3	6.5	--	4.9

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUL										
20...	1251	80513	80010	3.00	185	.010	.010	.03	.700	<.100

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
AUG									
18...	1300	80513	80513	.00	180	152	8.2	28.5	7.5
18...	1302	80513	--	10.0	180	151	8.2	28.0	7.5
18...	1304	80513	--	20.0	180	151	8.2	28.0	7.7
18...	1306	80513	--	22.0	180	147	8.4	27.0	8.6
18...	1308	80513	--	23.0	180	146	8.4	26.0	9.2
18...	1310	80513	80010	25.0	180	141	8.5	25.0	10.0
18...	1312	80513	--	27.0	180	141	8.5	24.0	10.0
18...	1314	80513	--	28.0	180	141	8.3	23.0	9.5
18...	1316	80513	--	30.0	180	138	8.1	22.0	8.5
18...	1318	80513	--	32.0	180	138	7.8	21.0	7.6
18...	1320	80513	--	35.0	180	144	7.7	20.0	8.1
18...	1322	80513	--	38.0	180	147	7.6	19.0	7.6
18...	1324	80513	--	40.0	180	149	7.6	18.0	7.6
18...	1326	80513	--	43.0	180	150	7.5	17.0	7.6
18...	1328	80513	--	46.0	180	152	7.5	16.0	7.6
18...	1330	80513	--	50.0	180	152	7.4	15.0	7.8
18...	1332	80513	--	55.0	180	152	7.4	14.0	7.7
18...	1334	80513	--	60.0	180	152	7.4	13.0	7.2
18...	1336	80513	--	65.0	180	152	7.3	12.0	6.5
18...	1338	80513	--	70.0	180	152	7.3	11.5	6.3
18...	1340	80513	--	80.0	180	152	7.3	10.5	6.1
18...	1342	80513	--	90.0	180	151	7.2	10.0	6.0
18...	1345	80513	80010	100	180	150	7.2	9.5	6.0
18...	1346	80513	--	110	180	149	7.1	9.0	6.0
18...	1348	80513	--	120	180	148	7.1	8.0	5.8
18...	1350	80513	--	130	180	148	7.0	7.5	5.4
18...	1352	80513	--	140	180	150	7.0	7.0	5.2
18...	1354	80513	--	150	180	151	7.0	7.0	4.9
18...	1356	80513	--	160	180	151	7.0	6.5	4.6
18...	1358	80513	--	170	180	152	7.0	6.5	4.4
18...	1400	80513	--	180	180	154	7.0	6.5	3.9

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
AUG												
18...	1300	.00	180	--	--	212	--	0	--	--	--	--
18...	1310	25.0	180	11	1.4	--	.4	--	4.0	22	55	1.6
18...	1345	100	180	10	<1.0	--	.0	--	9.0	25	62	1.9

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
AUG												
18...	1310	1.6	58	8.0	3.4	.14	.050	2.5	2.50	2.6	12	.010
18...	1345	1.7	61	8.0	3.7	.29	.050	.75	.80	1.1	4.8	<.010

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG											
18...	1310	<.010	50	1	10	7	30	20	<.1	4	50
18...	1345	<.010	40	1	10	6	70	10	<.1	5	40

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP									
23...	0910	80513	--	.00	142	8.4	23.5	235	7.8
23...	0914	80513	--	10.0	142	8.4	23.5	--	7.7
23...	0916	80513	--	20.0	142	8.4	23.5	--	7.7
23...	0918	80513	--	30.0	142	8.4	23.0	--	7.7
23...	0920	80513	--	36.0	135	7.8	22.0	--	4.5
23...	0922	80513	--	37.0	137	7.6	21.0	--	5.4
23...	0924	80513	--	40.0	141	7.5	20.0	--	5.7
23...	0926	80513	--	42.0	143	7.5	19.0	--	5.7
23...	0928	80513	--	45.0	145	7.5	18.0	--	5.4
23...	0930	80513	--	50.0	146	7.5	17.0	--	5.6
23...	0932	80513	--	52.0	147	7.4	16.0	--	5.8
23...	0934	80513	--	55.0	147	7.4	15.0	--	6.1
23...	0936	80513	--	60.0	147	7.4	14.0	--	5.8
23...	0938	80513	--	65.0	147	7.4	13.0	--	5.4
23...	0940	80513	--	70.0	147	7.3	12.0	--	4.9
23...	0942	80513	--	80.0	146	7.3	11.0	--	4.8
23...	0944	80513	--	90.0	145	7.3	10.0	--	4.9
23...	0946	80513	--	100	144	7.3	9.5	--	5.0
23...	0948	80513	--	110	142	7.3	9.0	--	4.7
23...	0950	80513	--	120	142	7.2	8.5	--	4.2
23...	0952	80513	--	130	142	7.2	8.0	--	3.7
23...	0954	80513	--	140	144	7.2	7.5	--	3.3
23...	0956	80513	--	150	145	7.1	7.0	--	2.7
23...	0958	80513	--	160	147	7.1	7.0	--	2.1
23...	0959	80513	--	170	150	7.1	7.0	--	1.2
23...	1000	80513	--	179	151	7.1	7.0	--	1.2

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP 23...	0911	80513	80010	3.00	179	<.010	<.010	1.20	<.100

07049691 WHITE RIVER AT BEAVER DAM, NEAR EUREKA SPRINGS, AR

LOCATION.--Lat 36°25'15", long 93°50'50", in NW 1/4 NW 1/4 sec.10, T.20 N., R.27 W., Carroll County, Hydrologic Unit 11010001, at Beaver Dam, 6.0 mi (9.7 km) west of Eureka Springs, and at mile 609.0 (979.9 km).

DRAINAGE AREA.--1,192 mi^2 (3,087 km^2).

PERIOD OF RECORD.--Water years 1946, 1950-53, October 1967 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 20...	1230	80513	--	152	7.2	10.5	6.2
NOV 16...	1415	80513	--	163	7.4	10.0	7.9
DEC 09...	1340	80513	80010	163	7.2	11.0	7.2

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC 09...	1340	4	.60	.3	29	60	.00	20	50	2.5	1.3

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
DEC 09...	1340	68	9.4	3.8	.20	.070	<.10	.010	.020

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC 09...	1340	20	1	<0	5	60	5	40	<.1	2	50

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN 26...	1150	80513	--	162	7.9	6.5	11.8
FEB 16...	1415	80513	--	167	7.9	6.0	12.4
MAR 23...	1030	80513	--	152	7.8	7.0	12.1
APR 20...	1215	80513	--	155	8.2	8.5	12.4
MAY 19...	1300	80513	80010	144	7.1	8.5	8.7

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
MAY 19...	1300	<1	.80	1.2	2	64	.00	22	55	2.2	1.8

07049691 WHITE RIVER AT BEAVER DAM, NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
MAY 19...	1300	64	8.0	3.9	.16	.030	.21	.24	.40	1.8	.040	<.010

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 19...	1300	50	1	10	3	90	3	10	<.1	3	<10

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 22...	1245	80513	--	156	7.4	6.0	8.5
JUL 20...	1345	80513	--	146	8.1	9.5	5.8
AUG 18...	1230	80513	80010	149	7.4	10.0	8.1

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
AUG 18...	1230	12	1.3	.8	<3	66	5.0	23	58	2.0	1.6

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG 18...	1230	61	8.0	3.6	.33	.060	1.0	1.10	1.4	6.3	<.010	<.010

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG 18...	1230	60	1	10	5	90	2	60	<.1	4	50

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 23...	0840	80513	164	7.2	7.5	7.8

07050000 WHITE RIVER AT BEAVER, AR

LOCATION.--Lat 36°28'28", long 93°45'54", in NE 1/4 SE 1/4 sec.20, T.21 N., R.26 W., Carroll County, Hydrologic Unit 11010001, at bridge on State Highway 187, 0.4 mi (0.6 km) downstream from Butler Creek, and 13 mi (21 km) downstream from Beaver Dam.

DRAINAGE AREA.--1,244 mi^2 (3,222 km^2).

PERIOD OF RECORD.--October 1945 to September 1946, April 1974 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1945 to September 1946.
WATER TEMPERATURE: October 1945 to September 1946.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT 13...	1223	9827	9827	120	7.7	21.0	11.0	2.6	8.3	75	3.8
DEC 08...	1050	9827	9827	640	7.8	12.0	9.0	2.0	10.2	88	4.2
JAN 05...	1320	9827	9827	2310	7.7	15.0	8.0	1.5	8.3	70	.9
FEB 09...	1245	9827	9827	1460	7.9	-1.0	5.0	5.5	11.4	89	1.1
MAR 09...	1140	9827	9827	1510	7.8	14.0	9.0	2.4	11.3	97	.3
APR 06...	1220	9827	9827	7080	7.6	8.0	8.0	1.4	11.2	94	2.6
JUN 01...	1500	9827	9827	660	--	23.0	15.0	--	--	--	--
JUL 06...	1900	9827	9827	1230	7.4	35.0	22.0	3.2	9.4	107	4.5
27...	1735	9827	9827	2340	7.5	23.0	12.0	4.5	8.5	79	--
AUG 17...	1135	9827	9827	2390	7.5	25.0	16.0	2.0	7.7	77	1.6
SEP 21...	1400	9827	9827	120	8.4	23.0	12.0	2.2	7.2	67	1.8

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 13...	360	86	--	5.5	104	.14	6	.27	.040	<.010	.010
DEC 08...	20	96	10	5.0	104	.14	1	.22	.030	.020	<.010
JAN 05...	<4	72	8.0	6.5	87	.12	4	.15	.050	.030	.010
FEB 09...	10	76	6.0	6.0	96	.13	12	.18	.040	.080	.030
MAR 09...	20	72	9.0	6.0	96	.13	5	.05	.010	.010	<.010
APR 06...	<4	74	--	5.5	97	.13	2	--	.010	<.010	<.010
JUN 01...	120	--	--	--	--	--	--	--	--	--	--
JUL 06...	4	82	10	11	113	.15	4	.12	.030	.010	<.010
27...	380	72	9.0	12	89	.12	6	.27	.050	.010	<.010
AUG 17...	64	80	6.0	8.0	112	.15	--	.30	.050	.940	<.010
SEP 21...	28	72	--	7.0	93	.13	4	.38	.040	.010	.010

07050000 WHITE RIVER AT BEAVER, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
13...	1223	<5	<1	<1	15	--	<5	--
DEC								
08...	1050	<5	<1	<1	<10	--	6	8
JAN								
05...	1320	<5	<1	4	<10	--	<5	5
FEB								
09...	1245	<5	<1	3	<10	--	<5	11
MAR								
09...	1140	<5	<1	<1	<10	--	7	<3
APR								
06...	1220	<5	<1	1	<1	--	--	3
JUL								
06...	1900	<5	<1	<1	<10	<1.0	<5	17
27...	1735	<5	<1	10	<10	<1.0	<5	3
AUG								
17...	1135	<5	<1	<1	<10	--	<5	11
SEP								
21...	1400	<5	<1	2	--	--	<5	3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
MAR											
09...	1140	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
01...	1500	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
21...	1400	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07050500 KINGS RIVER NEAR BERRYVILLE, AR

LOCATION.--Lat 36°25'36", long 93°37'15", in SE 1/4 NE 1/4 sec.3, T.20 N., R.25 W., Carroll County, Hydrologic Unit 11010001, on right bank at downstream side of bridge on State Highway 143, 1.5 mi (2.4 km) downstream from Bee Creek, 2.5 mi (4.0 km) upstream from Clabber Creek, 5.3 mi (8.5 km) northwest of Berryville, and at mile 35.1 (56.5 km).

DRAINAGE AREA.--527 mi^2 (1,365 km^2).

PERIOD OF RECORD.--October 1953 to September 1960, October 1971 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
13...	1035	9827	9827	250	8.0	19.0	18.0	3.5	6.7
DEC									
08...	1010	9827	9827	153	8.3	10.0	9.0	2.0	11.5
JAN									
05...	1210	9827	9827	105	8.4	14.0	7.0	2.6	14.2
FEB									
09...	1155	9827	9827	510	8.0	-1.0	5.0	15	12.2
MAR									
09...	1100	9827	9827	212	8.2	11.0	8.0	1.5	12.6
APR									
06...	1103	9827	9827	350	8.0	12.0	10.0	5.6	11.9
MAY									
04...	1402	9827	9827	280	8.5	22.0	18.0	1.4	12.9
JUN									
01...	1550	9827	9827	190	8.1	23.0	19.0	3.2	9.0
JUL									
06...	1940	9827	9827	195	7.7	35.0	27.0	3.8	8.9
27...	1648	9827	9827	54	8.3	23.0	24.0	5.0	9.1
AUG									
17...	1100	9827	9827	250	8.0	28.0	27.0	6.4	8.2
SEP									
21...	1450	9827	9827	35	7.8	20.0	21.0	4.8	10.7

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT									
13...	71	9	1.2	>600	154	--	9.5	177	.24
DEC									
08...	99	2	3.5	8	128	9.0	4.0	139	.19
JAN									
05...	116	4	1.0	<4	144	10	7.0	151	.21
FEB									
09...	95	17	2.9	300	110	7.0	7.0	141	.19
MAR									
09...	106	1	1.4	<4	120	7.0	6.5	138	.19
APR									
06...	105	2	1.9	1800	96	--	7.0	113	.15
MAY									
04...	136	4	1.4	8	116	--	2.5	134	.18
JUN									
01...	96	5	.8	40	130	12	5.5	156	.21
JUL									
06...	110	1	2.7	<4	120	8.0	7.5	129	.18
27...	107	11	--	56	136	9.0	18	161	.22
AUG									
17...	101	6	2.4	120	120	7.0	9.0	159	.22
SEP									
21...	119	7	2.0	16	148	--	10	178	.24

07050500 KINGS RIVER NEAR BERRYVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
13...	6	.37	.040	.26	.30	.67	3.0	.240	.250
DEC									
08...	3	.33	.020	--	<.10	--	--	.070	.040
JAN									
05...	8	.43	.030	.07	.10	.53	2.3	.130	.080
FEB									
09...	61	1.2	.080	.72	.80	2.0	8.9	.210	.090
MAR									
09...	1	.35	.030	--	--	--	--	.030	<.010
APR									
06...	2	--	.020	--	<.10	--	--	.040	.020
MAY									
04...	1	.31	.040	--	<.10	--	--	.070	.050
JUN									
01...	8	.34	.050	.35	.40	.74	3.3	.080	.070
JUL									
06...	6	.43	.020	--	--	--	--	.040	.010
27...	8	.38	.030	--	--	--	--	.120	.110
AUG									
17...	--	.56	.040	--	<.10	--	--	.070	.030
SEP									
21...	10	.56	.030	.27	.30	.86	3.8	.250	.240

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
13...	1035	<5	<1	3	11	--	<5	--
DEC								
08...	1010	<5	<1	<1	<10	--	7	8
JAN								
05...	1210	<5	<1	2	19	--	<5	18
FEB								
09...	1155	<5	2	23	58	--	13	68
MAR								
09...	1100	<5	<1	<1	<10	--	<5	<3
APR								
06...	1103	<5	<1	3	<10	--	--	4
MAY								
04...	1402	<5	<1	<1	<10	--	--	<3
JUN								
01...	1550	<5	<1	2	<10	--	--	<3
JUL								
06...	1940	<5	<1	<1	<10	<1.0	<5	14
27...	1648	<5	<1	<1	<10	<1.0	<5	6
AUG								
17...	1100	<5	<1	<1	10	--	<5	11
SEP								
21...	1450	<5	<1	6	--	--	8	3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
MAR											
09...	1100	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
21...	1450	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07053400 TABLE ROCK LAKE NEAR BRANSON, MO

LOCATION.--Lat 36°35'46", long 93°18'35", in NW 1/4 sec.22, T.22 N., R.22 W., Taney County, Hydrologic Unit 11010001, at dam on White River, 3.0 mi (4.8 km) upstream from Fall Creek, and 6.1 mi (9.8 km) southwest of Branson.

DRAINAGE AREA.--4,020 mi^2 (10,412 km^2).

PERIOD OF RECORD.--December 1973 to current year.

COOPERATION.--Records prior to October 1978 are available from U.S. Army Corps of Engineers, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT								
21...	0820	80513	.00	220	8.1	18.5	180	7.6
21...	0822	80513	10.0	220	8.1	18.5	--	7.5
21...	0824	80513	20.0	220	8.1	18.5	--	7.5
21...	0826	80513	30.0	220	8.1	18.5	--	7.4
21...	0828	80513	40.0	220	8.1	18.5	--	7.4
21...	0830	80513	50.0	220	8.1	18.5	--	7.4
21...	0834	80513	55.0	220	7.6	16.5	--	2.4
21...	0836	80513	58.0	220	7.4	15.5	--	.1
21...	0838	80513	60.0	220	7.4	15.0	--	.1
21...	0840	80513	70.0	225	7.4	14.0	--	.1
21...	0842	80513	80.0	230	7.4	13.0	--	.7
21...	0844	80513	85.0	235	7.4	12.0	--	1.2
21...	0846	80513	90.0	235	7.5	11.0	--	2.1
21...	0848	80513	100	230	7.5	10.0	--	2.9
21...	0850	80513	105	230	7.5	9.0	--	3.4
21...	0852	80513	110	230	7.5	8.5	--	3.9
21...	0854	80513	120	230	7.5	8.0	--	4.0
21...	0856	80513	130	230	7.5	7.5	--	3.6
21...	0858	80513	140	230	7.5	7.0	--	3.5
21...	0900	80513	150	235	7.5	7.0	--	3.0
21...	0902	80513	160	235	7.4	7.0	--	2.4
21...	0904	80513	170	235	7.4	6.5	--	2.2
21...	0905	80513	173	235	7.4	6.5	--	1.8
28...	1120	80513	.00	220	8.0	16.0	205	7.5
28...	1122	80513	10.0	220	8.0	16.0	--	7.5
28...	1124	80513	20.0	220	8.0	16.0	--	7.5
28...	1126	80513	30.0	220	8.0	16.0	--	7.5
28...	1128	80513	40.0	220	7.9	16.0	--	7.4
28...	1130	80513	50.0	220	7.9	16.0	--	7.4
28...	1132	80513	60.0	220	7.9	16.0	--	7.0
28...	1134	80513	63.0	225	7.5	15.0	--	.2
28...	1136	80513	66.0	225	7.4	14.0	--	.1
28...	1138	80513	70.0	225	7.4	14.0	--	.1
28...	1140	80513	75.0	230	7.3	13.0	--	.1
28...	1142	80513	80.0	230	7.3	12.5	--	.3
28...	1144	80513	90.0	235	7.3	11.5	--	1.3
28...	1146	80513	95.0	235	7.4	10.5	--	2.4
28...	1148	80513	100	235	7.4	10.0	--	2.9
28...	1150	80513	110	235	7.4	9.0	--	3.5
28...	1152	80513	120	235	7.4	8.0		3.8
28...	1154	80513	130	235	7.4	7.5		3.6
28...	1156	80513	140	235	7.4	7.5		3.1
28...	1158	80513	150	235	7.4	7.0		2.9
28...	1202	80513	170	240	7.3	7.0		1.9
28...	1205	80513	174	240	7.3	6.5		1.4

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV								
03...	1100	80513	.00	220	8.0	15.5	186	8.4
03...	1102	80513	10.0	220	8.0	15.5	--	8.4
03...	1104	80513	20.0	220	8.0	15.5	--	8.2
03...	1106	80513	30.0	220	8.0	15.5	--	8.1
03...	1108	80513	40.0	220	8.0	15.5	--	8.0
03...	1110	80513	50.0	220	7.9	15.5	--	7.4
03...	1112	80513	58.0	215	7.5	14.5	--	1.7
03...	1114	80513	60.0	215	7.3	13.5	--	.1
03...	1116	80513	70.0	215	7.3	13.0	--	.2
03...	1118	80513	80.0	225	7.3	12.0	--	.3
03...	1120	80513	90.0	230	7.3	11.0	--	1.2
03...	1122	80513	96.0	235	7.4	10.0	--	2.3
03...	1124	80513	100	235	7.4	9.5	--	2.9
03...	1126	80513	110	235	7.4	8.5	--	3.4
03...	1128	80513	120	235	7.4	7.5	--	3.5
03...	1130	80513	130	235	7.4	7.5	--	3.4
03...	1132	80513	140	235	7.4	7.5	--	3.3
03...	1134	80513	150	240	7.4	7.0	--	2.6
03...	1136	80513	160	240	7.4	6.5	--	1.9
03...	1138	80513	170	240	7.3	6.5	--	1.6
03...	1140	80513	175	240	7.3	6.5	--	1.3
12...	1310	80513	.00	215	8.2	15.0	224	8.1
12...	1312	80513	10.0	215	8.2	14.5	--	8.1
12...	1314	80513	20.0	215	8.1	14.5	--	8.0
12...	1316	80513	30.0	215	8.1	14.5	--	7.9
12...	1318	80513	40.0	215	8.1	14.5	--	7.9
12...	1320	80513	50.0	215	8.1	14.5	--	7.8
12...	1322	80513	60.0	215	8.1	14.5	--	7.8
12...	1324	80513	70.0	215	8.1	14.5	--	7.5
12...	1326	80513	73.0	215	7.8	13.5	--	1.3
12...	1328	80513	80.0	220	7.5	12.5	--	.1
12...	1330	80513	90.0	225	7.5	11.5	--	.7
12...	1332	80513	93.0	230	7.5	10.5	--	1.1
12...	1334	80513	100	230	7.5	9.5	--	2.1
12...	1336	80513	110	230	7.5	8.5	--	2.9
12...	1338	80513	120	230	7.5	7.5	--	3.2
12...	1340	80513	130	230	7.5	7.0	--	2.8
12...	1342	80513	140	235	7.5	7.0	--	2.7
12...	1344	80513	150	235	7.5	6.5	--	2.2
12...	1346	80513	160	235	7.5	6.5	--	2.0
12...	1348	80513	170	235	7.5	6.0	--	1.5
12...	1350	80513	175	235	7.4	6.0	--	1.2
17...	0850	80513	.00	215	8.2	14.5	210	8.3
17...	0852	80513	10.0	215	8.2	14.5	--	8.2
17...	0854	80513	20.0	215	8.2	14.5	--	8.2
17...	0856	80513	30.0	215	8.2	14.5	--	8.2
17...	0858	80513	40.0	215	8.2	14.5	--	8.2
17...	0900	80513	50.0	215	8.2	14.5	--	8.1
17...	0902	80513	60.0	215	8.2	14.5	--	8.1
17...	0904	80513	70.0	215	8.2	14.5	--	8.1
17...	0906	80513	78.0	220	7.8	13.5	--	.2
17...	0908	80513	80.0	220	7.6	13.0	--	.2
17...	0910	80513	90.0	225	7.5	12.0	--	.3
17...	0912	80513	96.0	225	7.5	11.0	--	1.2
17...	0914	80513	100	225	7.5	10.5	--	1.8
17...	0916	80513	110	225	7.5	9.5	--	2.8
17...	0918	80513	120	225	7.5	8.5	--	3.1
17...	0920	80513	130	225	7.5	8.0	--	3.2
17...	0922	80513	140	230	7.5	7.5	--	2.7
17...	0924	80513	150	230	7.5	7.5	--	2.2
17...	0926	80513	160	230	7.5	7.0	--	1.6
17...	0928	80513	170	230	7.5	7.0	--	1.2
17...	0930	80513	176	230	7.5	6.5	--	.8
24...	1030	80513	.00	215	8.0	13.5	199	8.2
24...	1032	80513	10.0	215	8.0	13.5	--	8.2
24...	1034	80513	20.0	215	8.0	13.5	--	8.1
24...	1036	80513	30.0	215	8.0	13.5	--	8.1
24...	1038	80513	40.0	215	8.0	13.5	--	8.1
24...	1040	80513	50.0	215	8.0	13.5	--	8.1
24...	1042	80513	60.0	215	8.0	13.5	--	8.0
24...	1044	80513	70.0	215	8.0	13.5	--	8.0
24...	1046	80513	80.0	215	8.0	13.5	--	8.0
24...	1048	80513	90.0	220	7.7	12.5	--	5.1
24...	1050	80513	100	230	7.5	11.5	--	1.0
24...	1052	80513	105	230	7.4	10.5	--	1.4
24...	1054	80513	110	230	7.4	10.0	--	1.8
24...	1056	80513	120	230	7.4	9.0	--	2.3
24...	1058	80513	130	230	7.4	8.5	--	2.4

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV							
24...	1100	80513	140	230	7.4	8.0	2.4
24...	1102	80513	150	230	7.4	7.5	1.8
24...	1104	80513	160	235	7.3	7.5	1.4
24...	1106	80513	170	235	7.3	7.0	.9
24...	1108	80513	180	235	7.3	7.0	.5
24...	1110	80513	186	235	7.2	7.0	.3

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC									
10...	1330	80513	80513	.00	176	215	8.1	11.5	9.2
10...	1332	80513	--	10.0	176	215	8.1	11.5	9.2
10...	1334	80513	--	20.0	176	215	8.1	11.5	9.2
10...	1335	80513	80010	25.0	176	215	8.1	11.5	9.2
10...	1336	80513	--	30.0	176	215	8.1	11.5	9.2
10...	1338	80513	--	40.0	176	215	8.1	11.5	9.2
10...	1340	80513	--	50.0	176	215	8.1	11.5	9.2
10...	1342	80513	--	60.0	176	215	8.1	11.5	9.1
10...	1344	80513	--	70.0	176	215	8.0	11.5	9.1
10...	1346	80513	--	80.0	176	215	8.0	11.5	9.0
10...	1348	80513	--	90.0	176	215	8.0	11.5	9.0
10...	1350	80513	80010	100	176	215	8.0	11.5	9.0
10...	1352	80513	--	110	176	220	7.8	10.5	2.5
10...	1354	80513	--	115	176	225	7.6	9.5	.9
10...	1356	80513	--	120	176	225	7.5	8.5	.8
10...	1358	80513	--	130	176	225	7.5	8.5	.8
10...	1400	80513	--	140	176	225	7.5	8.0	.5
10...	1402	80513	--	150	176	230	7.5	7.5	.4
10...	1403	80513	--	160	176	230	7.4	7.5	.3
10...	1404	80513	--	170	176	230	7.4	7.0	.1
10...	1405	80513	--	176	176	235	7.4	7.0	.1

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
DEC												
10...	1330	.00	176	--	--	181	--	0	--	--	--	--
10...	1335	25.0	176	3	.70	--	1.5	--	.00	28	70	5.7
10...	1350	100	176	2	.70	--	1.3	--	.00	27	68	4.6

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC												
10...	1335	1.5	100	9.0	6.0	.11	.050	.48	.53	.64	2.8	<.010
10...	1350	1.4	100	7.4	5.3	.10	.030	.17	.20	.30	1.3	<.010

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
10...	1335	<.010	<10	1	20	3	70	10	<.1	2	40
10...	1350	<.010	<10	1	20	3	30	10	<.1	2	40

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN								
26...	1440	80513	.00	230	8.2	5.5	192	10.8
26...	1442	80513	10.0	230	8.2	5.0	--	10.8
26...	1443	80513	20.0	230	8.2	5.0	--	10.8
26...	1446	80513	30.0	230	8.2	5.0	--	10.8
26...	1448	80513	40.0	230	8.2	5.0	--	10.7
26...	1450	80513	50.0	230	8.2	5.0	--	10.7
26...	1452	80513	60.0	230	8.2	5.0	--	10.7
26...	1453	80513	70.0	230	8.2	5.0	--	10.7
26...	1455	80513	80.0	230	8.2	5.0	--	10.7
26...	1457	80513	90.0	230	8.1	5.0	--	10.7
26...	1500	80513	100	230	8.1	5.0	--	10.6
26...	1502	80513	110	230	8.1	5.0	--	10.6
26...	1503	80513	120	230	8.1	5.0	--	10.6
26...	1505	80513	130	230	8.1	5.0	--	10.6
26...	1507	80513	140	230	8.1	5.0	--	10.6
26...	1509	80513	150	230	8.1	5.0	--	10.6
26...	1511	80513	160	230	8.1	5.0	--	10.6
26...	1512	80513	170	230	8.1	5.0	--	10.6
26...	1515	80513	174	230	8.1	5.0	--	10.6
FEB								
17...	0845	80513	.00	225	8.0	4.0	180	11.7
17...	0846	80513	10.0	225	8.0	4.0	--	11.6
17...	0848	80513	20.0	225	8.0	4.0	--	11.6
17...	0850	80513	30.0	225	8.0	4.0	--	11.6
17...	0852	80513	40.0	225	8.0	4.0	--	11.6
17...	0854	80513	50.0	225	8.0	3.5	--	11.5
17...	0856	80513	60.0	225	8.0	3.5	--	11.5
17...	0858	80513	70.0	225	8.0	3.5	--	11.5
17...	0900	80513	80.0	225	7.9	3.5	--	11.4
17...	0902	80513	90.0	225	7.9	3.5	--	11.4
17...	0904	80513	100	225	7.9	3.5	--	11.4
17...	0906	80513	110	225	7.9	3.0	--	11.3
17...	0908	80513	120	225	7.9	3.0	--	11.3
17...	0910	80513	130	225	7.9	3.0	--	11.3
17...	0912	80513	140	225	7.9	3.0	--	11.2
17...	0914	80513	150	225	7.9	3.0	--	11.2
17...	0916	80513	160	225	7.9	3.0	--	11.2
17...	0918	80513	170	225	7.9	3.0	--	11.2
17...	0920	80513	176	225	7.9	3.0	--	11.0
MAR								
23...	0740	80513	.00	220	8.5	8.5	112	12.8
23...	0742	80513	10.0	220	8.5	8.5	--	12.8
23...	0744	80513	20.0	220	8.5	8.5	--	12.6
23...	0746	80513	30.0	220	8.5	8.5	--	12.5
23...	0748	80513	40.0	220	8.4	8.5	--	12.4
23...	0750	80513	50.0	220	8.3	8.0	--	11.9
23...	0752	80513	60.0	215	8.2	7.0	--	11.6
23...	0754	80513	70.0	215	8.2	6.5	--	11.5
23...	0756	80513	80.0	215	8.2	6.0	--	11.5
23...	0758	80513	90.0	215	8.2	6.0	--	11.4
23...	0800	80513	100	215	8.2	5.5	--	11.3
23...	0802	80513	110	220	8.2	5.5	--	11.3
23...	0804	80513	120	220	8.2	5.0	--	11.3
23...	0806	80513	130	225	8.2	5.0	--	11.3
23...	0808	80513	140	225	8.2	5.0	--	11.2
23...	0810	80513	150	230	8.2	5.0	--	11.1
23...	0812	80513	160	260	8.2	4.0	--	10.7
23...	0813	80513	170	265	8.2	4.0	--	10.7
23...	0814	80513	180	265	8.2	4.0	--	10.7
23...	0815	80513	184	265	8.2	4.0	--	10.7

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
APR								
20...	1515	80513	.00	235	8.2	12.5	360	10.2
20...	1516	80513	10.0	235	8.2	12.5	--	10.2
20...	1518	80513	20.0	235	8.2	12.5	--	10.2
20...	1520	80513	30.0	235	8.2	12.5	--	10.2
20...	1522	80513	33.0	235	8.1	11.5	--	10.1
20...	1524	80513	40.0	235	8.1	10.5	--	10.1
20...	1526	80513	50.0	235	8.1	9.5	--	10.1
20...	1528	80513	60.0	235	8.1	9.0	--	10.1
20...	1530	80513	70.0	235	8.0	9.0	--	10.0
20...	1532	80513	80.0	235	8.0	8.5	--	10.0
20...	1534	80513	90.0	235	7.9	7.5	--	10.0
20...	1536	80513	100	235	7.9	7.0	--	10.0
20...	1538	80513	110	235	7.8	6.5	--	10.0
20...	1540	80513	120	235	7.8	6.0	--	10.0
20...	1542	80513	130	240	7.8	5.5	--	10.0
20...	1544	80513	140	250	7.8	5.5	--	9.9
20...	1546	80513	150	250	7.8	5.5	--	9.8
20...	1548	80513	160	250	7.8	5.0	--	9.8
20...	1549	80513	170	255	7.7	5.0	--	9.6
20...	1550	80513	175	260	7.7	5.0	--	9.4

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY									
20...	0840	80513	80513	.00	179	270	8.4	22.0	9.6
20...	0842	80513	--	10.0	179	270	8.4	22.0	9.6
20...	0844	80513	--	14.0	179	270	8.5	21.0	10.2
20...	0846	80513	--	17.0	179	270	8.4	20.0	10.2
20...	0848	80513	--	18.0	179	265	8.4	19.0	10.2
20...	0849	80513	--	20.0	179	265	8.4	18.0	10.1
20...	0850	80513	80010	25.0	179	265	8.3	17.0	9.8
20...	0852	80513	--	28.0	179	265	8.2	16.0	9.7
20...	0854	80513	--	29.0	179	265	8.2	15.0	9.6
20...	0856	80513	--	30.0	179	265	8.1	14.5	9.6
20...	0858	80513	--	31.0	179	265	8.0	13.0	9.4
20...	0900	80513	--	34.0	179	265	8.0	12.0	9.4
20...	0902	80513	--	40.0	179	265	7.9	11.0	9.4
20...	0904	80513	--	50.0	179	265	7.8	10.5	9.1
20...	0906	80513	--	60.0	179	265	7.8	10.0	8.9
20...	0907	80513	--	70.0	179	265	7.7	9.5	8.7
20...	0908	80513	--	80.0	179	265	7.7	9.0	8.6
20...	0909	80513	--	90.0	179	265	7.7	8.0	8.7
20...	0910	80513	80010	100	179	265	7.7	7.0	9.0
20...	0912	80513	--	110	179	270	7.6	6.5	9.1
20...	0914	80513	--	120	179	275	7.6	6.0	9.1
20...	0916	80513	--	130	179	280	7.6	5.5	8.9
20...	0918	80513	--	140	179	285	7.6	5.5	8.8
20...	0920	80513	--	150	179	285	7.6	5.5	8.6
20...	0922	80513	--	160	179	285	7.6	5.5	8.1
20...	0924	80513	--	170	179	290	7.5	5.5	7.9
20...	0925	80513	--	179	179	290	7.5	5.5	7.7

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
MAY												
20...	0840	.00	179	--	--	186	--	1	--	--	--	--
20...	0850	25.0	179	<1	<1.0	--	.8	--	.00	30	75	5.9
20...	0910	100	179	2	<1.0	--	.5	--	1.0	33	82	5.9

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
MAY												
20...	0850	1.9	105	10	6.1	.18	.050	.42	.47	.65	2.9	.010
20...	0910	2.0	106	10	6.1	.25	.050	.70	.75	1.0	4.4	.070

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY											
20...	0850	<.010	90	1	10	4	60	10	.1	5	20
20...	0910	.030	30	1	20	5	40	10	<.1	6	30

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
20...	0841	80513	80010	3.00	179	<.010	<.010	<.03	1.00	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN								
23...	0810	80513	.00	215	8.7	24.5	202	8.6
23...	0812	80513	10.0	215	8.5	24.5	--	8.5
23...	0814	80513	20.0	215	8.4	24.0	--	8.5
23...	0816	80513	22.0	220	8.4	23.0	--	8.7
23...	0818	80513	24.0	220	8.4	22.0	--	8.6
23...	0820	80513	26.0	220	8.4	21.0	--	8.5
23...	0822	80513	30.0	225	8.3	20.0	--	8.5
23...	0824	80513	33.0	225	8.2	19.0	--	8.2
23...	0826	80513	35.0	225	8.1	18.0	--	8.1
23...	0828	80513	36.0	225	8.1	16.5	--	8.1
23...	0830	80513	38.0	230	8.1	15.5	--	7.8
23...	0832	80513	40.0	230	8.1	15.0	--	7.8
23...	0834	80513	44.0	230	8.0	14.0	--	7.8
23...	0836	80513	47.0	230	7.9	13.0	--	7.8
23...	0838	80513	50.0	230	7.9	12.5	--	7.8
23...	0840	80513	60.0	230	7.9	11.5	--	7.2
23...	0842	80513	70.0	230	7.8	10.5	--	6.8
23...	0844	80513	80.0	230	7.7	10.0	--	6.8
23...	0846	80513	90.0	230	7.7	9.5	--	6.8
23...	0848	80513	100	230	7.7	9.0	--	6.9
23...	0850	80513	110	230	7.7	8.5	--	7.0
23...	0852	80513	120	235	7.7	8.0	--	7.1
23...	0854	80513	130	235	7.6	7.5	--	7.1
23...	0856	80513	140	240	7.6	7.0	--	6.9
23...	0858	80513	150	245	7.5	6.5	--	6.4
23...	0900	80513	160	245	7.5	6.0	--	6.3
23...	0902	80513	170	245	7.4	6.0	--	5.6
23...	0904	80513	180	250	7.4	6.0	--	5.3
23...	0905	80513	190	250	7.5	5.5	--	5.1

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL								
21...	0920	80513	.00	212	8.3	30.0	246	6.5
21...	0922	80513	10.0	210	8.2	29.5	--	6.8
21...	0924	80513	20.0	210	8.2	28.5	--	7.0
21...	0926	80513	21.0	200	8.4	27.0	--	8.8
21...	0928	80513	22.0	200	8.4	25.5	--	10.6
21...	0930	80513	23.0	200	8.5	24.5	--	11.0
21...	0932	80513	25.0	200	8.5	23.5	--	11.6
21...	0934	80513	27.0	200	8.5	22.5	--	11.6
21...	0936	80513	30.0	210	8.4	21.5	--	9.5
21...	0938	80513	33.0	220	8.1	20.5	--	6.8
21...	0940	80513	35.0	230	7.8	19.5	--	4.6
21...	0942	80513	37.0	230	7.7	18.5	--	4.1
21...	0944	80513	40.0	230	7.7	17.5	--	3.9
21...	0946	80513	45.0	230	7.7	16.5	--	4.4
21...	0948	80513	47.0	230	7.7	15.5	--	4.7
21...	0950	80513	48.0	230	7.6	14.5	--	4.7
21...	0952	80513	50.0	230	7.6	14.0	--	4.5
21...	0954	80513	55.0	230	7.5	13.0	--	4.4
21...	0956	80513	60.0	230	7.4	12.5	--	4.3
21...	0958	80513	70.0	230	7.4	11.5	--	4.8
21...	1000	80513	80.0	230	7.4	10.5	--	4.7
21...	1002	80513	90.0	230	7.5	10.0	--	5.1
21...	1004	80513	100	230	7.5	9.5	--	5.0
21...	1006	80513	110	230	7.4	9.0	--	5.0
21...	1008	80513	120	230	7.4	8.5	--	4.9
21...	1010	80513	130	230	7.3	8.0	--	4.8
21...	1012	80513	140	240	7.3	7.0	--	4.3
21...	1014	80513	150	240	7.3	7.0	--	3.9
21...	1016	80513	160	240	7.3	6.5	--	3.4
21...	1018	80513	170	240	7.3	6.5	--	3.1
21...	1019	80513	180	240	7.2	6.5	--	2.9
21...	1020	80513	190	250	7.2	6.5	--	2.6

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
21...	0921	80513	80010	3.00	190	.010	.010	.03	.900	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG									
04...	1230	80513	--	.00	183	215	8.3	29.5	7.2
04...	1232	80513	--	10.0	183	215	8.3	29.5	7.4
04...	1234	80513	--	20.0	183	215	8.3	29.0	7.4
04...	1236	80513	--	22.0	183	215	8.4	28.0	10.2
04...	1238	80513	--	23.0	183	210	8.5	25.0	11.2
04...	1240	80513	--	24.0	183	210	8.5	24.0	11.7
04...	1242	80513	--	26.0	183	210	8.5	23.0	13.3
04...	1244	80513	--	28.0	183	220	8.5	22.0	12.0
04...	1246	80513	--	30.0	183	230	8.4	21.0	10.4
04...	1248	80513	--	32.0	183	235	8.2	20.0	7.8
04...	1250	80513	--	34.0	183	245	7.9	19.0	5.3
04...	1252	80513	--	36.0	183	245	7.7	18.0	4.0
04...	1254	80513	--	40.0	183	245	7.6	17.0	3.2
04...	1256	80513	--	45.0	183	245	7.5	16.0	2.4
04...	1258	80513	--	47.0	183	245	7.5	15.0	3.2
04...	1300	80513	--	50.0	183	245	7.5	14.5	3.3
04...	1302	80513	--	55.0	183	245	7.4	13.5	3.6
04...	1304	80513	--	60.0	183	245	7.4	13.0	3.8
04...	1306	80513	--	70.0	183	245	7.4	12.0	3.9
04...	1308	80513	--	80.0	183	245	7.4	11.0	5.2

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG									
04...	1310	80513	--	90.0	183	245	7.4	10.5	4.9
04...	1312	80513	--	100	183	240	7.4	10.0	4.9
04...	1314	80513	--	110	183	240	7.4	9.5	5.2
04...	1316	80513	--	120	183	240	7.4	9.0	5.2
04...	1318	80513	--	130	183	240	7.4	8.5	5.1
04...	1320	80513	--	140	183	245	7.3	8.0	5.1
04...	1322	80513	--	150	183	250	7.3	7.0	4.0
04...	1324	80513	--	160	183	250	7.2	6.5	2.7
04...	1326	80513	--	170	183	255	7.1	6.5	2.4
04...	1328	80513	--	180	183	255	7.1	6.0	2.1
04...	1330	80513	--	183	183	260	7.1	6.0	2.0
19...	1300	80513	80513	.00	187	205	8.5	28.5	7.9
19...	1302	80513	--	10.0	187	205	8.5	27.5	8.2
19...	1304	80513	--	20.0	187	205	8.5	27.0	8.2
19...	1306	80513	--	24.0	187	220	8.4	26.0	8.6
19...	1310	80513	80010	25.0	187	235	8.3	24.5	8.6
19...	1312	80513	--	28.0	187	240	8.3	23.5	8.7
19...	1314	80513	--	30.0	187	345	8.1	22.5	7.5
19...	1316	80513	--	32.0	187	255	7.8	21.5	4.4
19...	1318	80513	--	35.0	187	255	7.7	20.5	3.4
19...	1320	80513	--	37.0	187	245	7.6	19.5	2.3
19...	1322	80513	--	38.0	187	245	7.6	18.5	1.9
19...	1324	80513	--	40.0	187	245	7.6	18.0	.9
19...	1326	80513	--	43.0	187	245	7.5	17.0	.4
19...	1328	80513	--	47.0	187	245	7.5	16.0	.2
19...	1330	80513	--	50.0	187	245	7.5	15.5	.2
19...	1332	80513	--	55.0	187	235	7.5	14.5	.8
19...	1334	80513	--	60.0	187	235	7.5	13.5	2.9
19...	1336	80513	--	70.0	187	230	7.5	12.5	3.3
19...	1338	80513	--	80.0	187	230	7.6	11.5	4.6
19...	1339	80513	--	90.0	187	230	7.6	10.5	5.2
19...	1340	80513	80010	100	187	230	7.6	10.0	5.2
19...	1342	80513	--	110	187	230	7.5	9.5	5.5
19...	1344	80513	--	120	187	230	7.5	9.0	5.5
19...	1346	80513	--	130	187	230	7.5	8.5	5.4
19...	1348	80513	--	140	187	230	7.5	8.0	5.1
19...	1350	80513	--	150	187	230	7.4	7.5	4.0
19...	1352	80513	--	160	187	235	7.3	7.0	3.1
19...	1354	80513	--	170	187	240	7.2	6.5	2.2
19...	1356	80513	--	180	187	240	7.2	6.5	1.5
19...	1400	80513	--	187	187	245	7.2	6.5	1.0

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
AUG												
04...	1230	.00	183	--	--	162	--	--	--	--	--	--
19...	1300	.00	187	--	--	145	--	0	--	--	--	--
19...	1310	25.0	187	6	1.1	--	1.6	--	4.0	34	85	5.2

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
AUG										
19...	1340	100	187	12	<1.0	.3	11	37	92	6.1

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
AUG												
19...	1310	1.9	102	9.0	5.6	<.10	.040	.46	.50	--	--	.010
19...	1340	1.8	107	9.0	5.3	.38	.030	.27	.30	.68	3.0	<.010

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG											
19...	1310	<.010	20	1	<10	4	30	10	.2	2	40
19...	1340	<.010	10	1	<10	2	30	10	.2	3	170

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP									
01...	1000	80513	--	.00	205	8.6	27.5	163	7.8
01...	1002	80513	--	10.0	205	8.6	27.5	--	7.8
01...	1004	80513	--	20.0	205	8.6	27.0	--	7.8
01...	1006	80513	--	27.0	215	8.6	26.0	--	7.7
01...	1008	80513	--	29.0	230	8.4	25.0	--	7.6
01...	1010	80513	--	30.0	235	8.4	24.5	--	7.6
01...	1012	80513	--	32.0	245	8.2	23.5	--	6.2
01...	1014	80513	--	33.0	245	8.1	22.5	--	5.7
01...	1016	80513	--	36.0	250	7.9	21.5	--	3.4
01...	1018	80513	--	38.0	255	7.7	20.5	--	2.2
01...	1020	80513	--	40.0	255	7.6	19.5	--	.6
01...	1022	80513	--	42.0	255	7.6	18.5	--	.3
01...	1024	80513	--	45.0	250	7.6	17.5	--	.1
01...	1026	80513	--	47.0	250	7.6	16.5	--	.0
01...	1028	80513	--	50.0	250	7.6	15.5	--	.0
01...	1030	80513	--	55.0	245	7.5	14.5	--	.5
01...	1032	80513	--	60.0	245	7.5	14.0	--	.9
01...	1034	80513	--	70.0	235	7.5	13.0	--	3.1
01...	1036	80513	--	80.0	235	7.5	12.0	--	3.7
01...	1038	80513	--	90.0	235	7.6	11.5	--	4.6
01...	1040	80513	--	100	235	7.6	10.5	--	4.6
01...	1042	80513	--	110	235	7.6	10.0	--	4.9
01...	1044	80513	--	120	235	7.6	9.5	--	4.9
01...	1046	80513	--	130	235	7.4	9.0	--	4.9
01...	1048	80513	--	140	235	7.4	8.5	--	4.5
01...	1050	80513	--	150	235	7.4	8.0	--	3.7
01...	1052	80513	--	160	240	7.4	7.0	--	1.9
01...	1054	80513	--	170	245	7.1	7.0	--	.9
01...	1056	80513	--	180	250	7.0	6.5	--	.3
01...	1100	80513	--	188	250	7.0	6.5	--	.2
22...	1410	80513	--	.00	215	8.2	24.0	154	7.4
22...	1414	80513	--	10.0	215	8.1	23.5	--	7.5
22...	1416	80513	--	20.0	215	8.2	23.5	--	7.4
22...	1418	80513	--	30.0	215	8.2	23.0	--	7.3
22...	1420	80513	--	40.0	225	7.9	22.0	--	1.4
22...	1422	80513	--	41.0	240	7.6	20.0	--	1.1
22...	1424	80513	--	43.0	240	7.5	19.0	--	.5
22...	1426	80513	--	46.0	240	7.5	18.0	--	.1

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP							
22...	1428	80513	48.0	240	7.5	17.0	.0
22...	1430	80513	50.0	240	7.5	16.5	.0
22...	1432	80513	54.0	240	7.5	15.5	.0
22...	1434	80513	60.0	235	7.5	14.5	.1
22...	1436	80513	70.0	230	7.5	13.5	1.5
22...	1438	80513	80.0	225	7.4	12.5	2.7
22...	1440	80513	90.0	225	7.4	11.5	3.1
22...	1442	80513	100	225	7.4	10.5	3.4
22...	1444	80513	110	225	7.3	10.0	3.8
22...	1446	80513	120	225	7.3	9.5	4.0
22...	1448	80513	130	225	7.3	9.0	4.2
22...	1450	80513	140	225	7.3	8.5	3.7
22...	1452	80513	150	225	7.3	8.0	2.1
22...	1454	80513	160	230	7.2	7.5	.8
22...	1456	80513	170	235	7.1	7.5	.8
22...	1458	80513	180	240	7.1	7.0	.1
22...	1500	80513	188	240	7.1	7.0	.0

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP 22...	1411	80513	80010	3.00	188	<.010	<.010	3.10	<.100

07053450 WHITE RIVER BELOW TABLE ROCK DAM, NEAR BRANSON, MO

LOCATION.--Lat 36°35'40", long 93°18'33", in NW 1/4 sec.22, T.22 N., R.22 W., Taney County, Hydrologic Unit 11010001, at dam on White River, 3.0 mi (4.8 km) upstream from Fall Creek and 6.1 mi (9.8 km) southwest of Branson.

DRAINAGE AREA.--4,020 mi^2 (10,412 km^2).

PERIOD OF RECORD.--October 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
OCT									
21...	0730	80513	80010	265	7.6	8.0	7.5	30	60
28...	1235	80513	--	235	7.5	10.0	8.5	--	--
NOV									
03...	1030	80513	--	245	7.5	8.5	6.5	--	--
12...	1220	80513	--	240	7.6	8.5	9.1	--	--
17...	0820	80513	80010	250	7.7	8.5	7.2	80	60
24...	1215	80513	--	240	7.7	9.0	11.8	--	--
DEC									
10...	1430	80513	80010	240	7.7	8.5	9.8	60	30

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC											
10...	1430	1	.50	1.4	1	110	.00	30	75	7.7	1.5

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
DEC												
10...	1430	120	9.6	6.1	.44	.030	.14	.17	.61	2.7	.020	<.010

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC									
10...	1430	<10	1	20	4	2	<.1	2	50

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN							
26...	1420	80513	--	240	7.9	6.5	12.5
FEB							
17...	0800	80513	--	225	8.0	4.0	11.8
MAR							
23...	0700	80513	--	250	8.1	5.5	11.6
APR							
20...	1450	80513	--	240	8.3	10.0	14.3
MAY							
20...	0800	80513	80010	268	7.7	8.0	8.5

07053450 WHITE RIVER BELOW TABLE ROCK DAM, NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
MAY 20...	0800	2	<1.0	.7	K620	120	.00	34	85	7.7	2.0

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
MAY 20...	0800	121	12	7.4	.44	.020	.43	.45	.89	3.9	.030	.020

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 20...	0800	30	1	10	4	50	4	40	.1	6	20

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 23...	0730	80513	--	265	7.7	8.0	9.6
JUL 21...	0830	80513	--	230	8.1	10.5	10.8
AUG 04...	1130	80513	--	255	7.8	9.5	8.0
19...	1230	80513	80010	255	7.5	9.0	8.0

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
AUG 19...	1230	6	1.9	1.5	45	120	9.0	38	95	6.0	1.9

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG 19...	1230	111	9.0	2.1	.64	.100	.40	.50	1.1	5.0	.030	.010

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG 19...	1230	60	1	<10	5	50	4	60	<.1	2	160

07053450 WHITE RIVER BELOW TABLE ROCK DAM, NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP						
01...	0930	80513	250	7.7	9.5	8.4
22...	1340	80513	255	7.6	10.5	9.8

07053700 LAKE TANEYCOMO AT BRANSON, MO

LOCATION.--Lat 36°38'09", long 93°15'52", in SE 1/4 NW 1/4 sec.4, T.22 N., R.21 W., Taney County, Hydrologic Unit 1101003, 1,000 ft. (300 m) downstream from Turkey Creek, at bridge on Business Route 65 in Branson.

PERIOD OF RECORD.--July 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
OCT											
20...	1230	1028	29001	--	--	243	7.6	--	13.0	--	--
NOV											
23...	1250	1028	29001	--	--	236	7.2	--	10.0	--	--
DEC											
10...	1515	80513	80513	.00	20	--	--	4.5	--	--	--
10...	1520	80513	80010	4.00	20	245	8.0	--	8.0	1	1.0
10...	1525	80513	80010	16.0	20	250	7.9	--	7.0	2	1.4
15...	1130	1028	29001	--	--	236	7.3	--	8.5	--	--
JAN											
19...	1320	1028	29001	--	--	221	7.8	--	6.5	--	--
FEB											
09...	1145	1028	29001	--	--	224	8.0	--	4.5	--	--
MAR											
02...	1445	1028	29001	--	--	232	8.1	--	5.5	--	--
APR											
13...	1445	1028	29001	--	--	250	8.3	--	11.0	--	--
MAY											
04...	1100	1028	29001	--	--	260	8.3	--	13.5	--	--
19...	1715	80513	80513	.00	20	--	--	23.5	--	--	--
19...	1720	80513	80010	4.00	20	275	8.3	--	20.0	<1	1.1
19...	1725	80513	80010	16.0	20	260	8.3	--	13.0	3	<1.0
JUN											
01...	1230	1028	29001	--	--	256	8.0	--	16.0	--	--
JUL											
06...	1215	1028	29001	--	--	252	7.9	--	17.0	--	--
AUG											
03...	1145	1028	29001	--	--	260	7.6	--	10.0	--	--
18...	1640	80513	80513	.00	20	--	--	32.0	--	--	--
18...	1645	80513	80010	4.00	20	240	7.6	--	12.0	9	1.3
18...	1650	80513	80010	16.0	20	250	7.7	--	11.5	7	<1.0
SEP											
09...	1525	1028	29001	--	--	258	8.2	--	17.0	--	--

07053700 LAKE TANEYCOMO AT BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)
OCT											
20...	--	--	8.6	81	18	--	160	210	--	70	--
NOV											
23...	--	--	8.0	71	8	--	17	--	--	--	--
DEC											
10...	102	2.60	--	--	--	--	3	--	--	--	--
10...	--	--	7.9	--	--	1.8	--	85	.00	26	65
10...	--	--	7.7	--	--	1.6	--	80	.00	25	62
15...	--	--	8.8	75	<5	--	5	--	--	--	--
JAN											
19...	--	--	10.6	86	<5	--	2	110	--	33	--
FEB											
09...	--	--	10.8	83	8	--	1	--	--	--	--
MAR											
02...	--	--	11.0	87	5	--	1	--	--	--	--
APR											
13...	--	--	11.8	107	31	--	1	240	--	83	--
MAY											
04...	--	--	10.8	103	11	--	72	--	--	--	--
19...	69.6	1.80	--	--	--	--	4	--	--	--	--
19...	--	--	12.9	--	--	3.6	--	120	.00	35	88
19...	--	--	12.4	--	--	1.4	--	120	4.0	36	90
JUN											
01...	--	--	10.2	103	<5	--	36	--	--	--	--
JUL											
06...	--	--	7.4	76	10	--	30	120	--	37	--
AUG											
03...	--	--	6.6	58	10	--	110	--	--	--	--
18...	144	3.7	--	--	--	--	77	--	--	--	--
18...	--	--	6.2	--	--	.2	--	130	17	39	98
18...	--	--	5.7	--	--	.3	--	130	21	41	100
SEP											
09...	--	--	8.8	91	--	--	76	--	--	--	--

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
OCT											
20...	7.8	5.1	5	.2	--	2.0	105	--	<10	6.9	<.1
NOV											
23...	--	--	--	--	--	--	98	--	--	--	--
DEC											
10...	--	--	--	--	--	--	--	--	--	--	--
10...	4.8	--	--	--	1.6	--	--	110	8.5	6.3	--
10...	4.3	--	--	--	1.5	--	--	110	8.1	5.7	--
15...	--	--	--	--	--	--	98	--	--	--	--
JAN											
19...	6.7	3.6	7	.1	--	1.8	98	--	<10	5.0	<.1
FEB											
09...	--	--	--	--	--	--	95	--	--	--	--
MAR											
02...	--	--	--	--	--	--	105	--	--	--	--
APR											
13...	7.0	5.0	4	.1	--	1.8	110	--	<10	16	.5
MAY											
04...	--	--	--	--	--	--	118	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--
19...	7.8	--	--	--	1.9	--	--	125	10	6.4	--
19...	6.6	--	--	--	2.1	--	--	113	10	6.8	--
JUN											
01...	--	--	--	--	--	--	115	--	--	--	--
JUL											
06...	7.0	3.8	6	.2	--	1.9	102	--	<10	6.0	<.1
AUG											
03...	--	--	--	--	--	--	85	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--
18...	7.0	--	--	--	1.9	--	--	109	9.0	6.0	--
18...	6.9	--	--	--	1.8	--	--	110	9.0	5.9	--
SEP											
09...	--	--	--	--	--	--	167	--	--	--	--

07053700 LAKE TANEYCOMO AT BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)
OCT										
20...	135	.18	7	.39	.040	--	--	--	--	.030
NOV										
23...	--	--	3	.36	.180	--	--	--	--	.050
DEC										
10...	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	.31	.040	.26	.30	.61	2.7	.020
10...	--	--	--	.31	.040	.16	.20	.51	2.3	.010
15...	--	--	2	--	.040	--	--	--	--	<.050
JAN										
19...	131	.18	1	.16	.020	--	--	--	--	<.050
FEB										
09...	--	--	2	.17	.010	--	--	--	--	.020
MAR										
02...	--	--	1	.20	.080	--	--	--	--	.040
APR										
13...	142	.19	1	.23	<.010	--	--	--	--	.020
MAY										
04...	--	--	<1	.19	.010	--	--	--	--	<.050
19...	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	<.10	.040	.54	.58	--	--	.070
19...	--	--	--	.25	.030	.57	.60	.85	3.8	.020
JUN										
01...	--	--	4	27	.050	--	--	--	--	<.050
JUL										
06...	142	.19	2	.45	.040	--	--	--	--	<.050
AUG										
03...	--	--	3	.61	.050	--	--	--	--	.030
18...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	.62	.060	.34	.40	1.0	4.5	.040
18...	--	--	--	.60	.020	1.6	1.60	2.2	9.7	.020
SEP										
09...	--	--	6	--	--	--	--	--	--	--

DATE	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)
OCT										
20...	--	--	--	--	<2	<2	--	<5	<5	130
NOV										
23...	--	--	--	--	--	--	--	--	--	--
DEC										
10...	--	--	--	--	--	--	--	--	--	--
10...	.06	<.010	10	1	--	--	10	2	--	100
10...	.03	<.010	10	1	--	--	30	1	--	70
15...	--	--	--	--	--	--	--	--	--	--
JAN										
19...	--	--	--	--	<2	<2	--	<5	<5	120
FEB										
09...	--	--	--	--	--	--	--	--	--	--
MAR										
02...	--	--	--	--	--	--	--	--	--	--
APR										
13...	--	--	--	--	<2	<2	--	<5	13	80
MAY										
04...	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--
19...	.21	<.010	40	1	--	--	10	3	--	80
19...	.06	.010	30	1	--	--	20	8	--	70
JUN										
01...	--	--	--	--	--	--	--	--	--	--
JUL										
06...	--	--	--	--	<2	<2	--	6	<5	380
AUG										
03...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	.12	.020	60	1	--	--	10	5	--	70
18...	.06	<.010	80	1	--	--	10	4	--	30
SEP										
09...	--	--	--	--	--	--	--	--	--	--

07053700 LAKE TANEYCOMO AT BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
OCT										
20...	100	<5	<5	60	50	.8	.7	--	30	160
NOV										
23...	--	--	--	--	--	--	--	--	--	--
DEC										
10...	--	--	--	--	--	--	--	--	--	--
10...	--	2	--	90	--	<.1	--	1	80	--
10...	--	<1	--	70	--	<.1	--	4	40	--
15...	--	--	--	--	--	--	--	--	--	--
JAN										
19...	20	<5	7	70	<20	--	--	--	25	<10
FEB										
09...	--	--	--	--	--	--	--	--	--	--
MAR										
02...	--	--	--	--	--	--	--	--	--	--
APR										
13...	250	<5	<5	50	30	<.5	<.5	--	180	50
MAY										
04...	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--
19...	--	2	--	50	--	<.1	--	3	<10	--
19...	--	4	--	50	--	<.1	--	6	20	--
JUN										
01...	--	--	--	--	--	--	--	--	--	--
JUL										
06...	<20	<5	<5	50	<20	<.5	<.5	--	40	<10
AUG										
03...	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--
18...	--	1	--	50	--	<.1	--	4	50	--
18...	--	2	--	40	--	<.1	--	3	30	--
SEP										
09...	--	--	--	--	--	--	--	--	--	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR

LOCATION.--Lat 36°21'56", long 92°34'29", in NW 1/4 sec.21, T.20 N., R.15 W., Marion County, Hydrologic Unit 11010003, at dam on White River, 6.3 mi (10.1 km) northeast of Flippin, 12.5 mi (20.1 km) downstream from Little North Fork, and at mile 418.6 (673.5 km).

DRAINAGE AREA.--6,051 mi^2 (15,670 km^2).

PERIOD OF RECORD.--Water years 1954-60, 1972, December 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT								
21...	1210	80513	.00	240	8.3	19.5	248	8.3
21...	1212	80513	10.0	240	8.3	19.5	--	8.2
21...	1214	80513	20.0	240	8.3	19.0	--	8.2
21...	1216	80513	30.0	240	8.3	19.0	--	8.2
21...	1218	80513	40.0	240	8.2	19.0	--	8.0
21...	1220	80513	50.0	245	8.1	19.0	--	7.4
21...	1222	80513	54.0	255	7.7	18.0	--	4.5
21...	1224	80513	56.0	255	7.6	17.0	--	4.0
21...	1226	80513	60.0	260	7.6	16.0	--	3.6
21...	1228	80513	63.0	260	7.5	15.0	--	3.1
21...	1230	80513	66.0	260	7.5	14.0	--	3.1
21...	1232	80513	68.0	260	7.5	13.0	--	3.1
21...	1234	80513	70.0	260	7.5	12.5	--	3.1
21...	1236	80513	73.0	260	7.5	11.5	--	3.7
21...	1238	80513	77.0	260	7.5	10.5	--	4.0
21...	1240	80513	80.0	260	7.5	10.0	--	4.0
21...	1242	80513	90.0	260	7.6	9.0	--	4.3
21...	1244	80513	100	260	7.6	8.5	--	4.5
21...	1246	80513	110	260	7.6	7.5	--	4.3
21...	1248	80513	120	260	7.6	7.0	--	4.2
21...	1250	80513	130	260	7.6	7.0	--	4.1
21...	1252	80513	140	265	7.6	7.0	--	3.8
21...	1254	80513	150	265	7.5	6.5	--	3.8
21...	1255	80513	160	265	7.5	6.5	--	1.2
NOV								
17...	1220	80513	.00	270	8.1	15.5	269	8.5
17...	1222	80513	10.0	270	8.1	15.5	--	8.6
17...	1224	80513	20.0	270	8.2	15.5	--	8.6
17...	1226	80513	30.0	280	8.2	15.0	--	8.5
17...	1228	80513	40.0	280	8.2	15.0	--	8.5
17...	1230	80513	50.0	280	8.1	15.0	--	8.5
17...	1232	80513	60.0	280	8.1	15.0	--	8.5
17...	1234	80513	70.0	280	7.6	14.0	--	2.3
17...	1236	80513	71.0	290	7.5	13.0	--	1.6
17...	1238	80513	75.0	290	7.5	12.0	--	2.4
17...	1240	80513	77.0	290	7.5	11.0	--	2.7
17...	1242	80513	80.0	290	7.5	10.5	--	2.9
17...	1244	80513	90.0	280	7.5	9.5	--	3.5
17...	1246	80513	100	280	7.5	8.5	--	3.9
17...	1248	80513	110	280	7.5	8.0	--	3.5
17...	1250	80513	120	290	7.5	7.5	--	3.2
17...	1252	80513	130	290	7.5	7.0	--	3.4
17...	1254	80513	140	290	7.5	7.0	--	3.5
17...	1256	80513	150	290	7.5	6.5	--	3.3
17...	1258	80513	160	290	7.5	6.5	--	2.4
17...	1300	80513	162	290	7.4	6.5	--	2.0

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC									
15...	1435	80513	80513	.00	163	250	7.9	11.0	8.4
15...	1436	80513	--	10.0	163	250	7.9	11.0	8.4
15...	1438	80513	--	20.0	163	250	7.9	11.0	8.4
15...	1440	80513	80010	25.0	163	250	7.9	11.0	8.4
15...	1442	80513	--	30.0	163	250	7.9	11.0	8.4
15...	1444	80513	--	40.0	163	250	7.9	11.0	8.4
15...	1446	80513	--	50.0	163	250	7.9	11.0	8.3
15...	1448	80513	--	60.0	163	250	7.9	11.0	8.3
15...	1450	80513	--	70.0	163	250	7.9	11.0	8.3
15...	1452	80513	--	80.0	163	250	7.9	11.0	8.3
15...	1454	80513	--	90.0	163	250	7.8	11.0	8.3
15...	1455	80513	80010	100	163	260	7.5	10.0	2.7
15...	1456	80513	--	106	163	265	7.4	9.0	2.2
15...	1458	80513	--	110	163	265	7.4	8.5	2.2
15...	1500	80513	--	120	163	265	7.3	8.0	1.9
15...	1502	80513	--	130	163	265	7.3	7.5	1.6
15...	1504	80513	--	140	163	265	7.3	7.5	1.6
15...	1506	80513	--	150	163	265	7.3	7.5	1.6
15...	1508	80513	--	160	163	265	7.3	7.0	1.6
15...	1510	80513	--	163	163	265	7.3	7.0	1.2

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
DEC												
15...	1435	.00	163	--	--	272	--	0	--	--	--	--
15...	1440	25.0	163	<1	.70	--	.8	--	.00	33	82	11
15...	1455	100	163	3	.50	--	.5	--	4.0	34	85	12

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC												
15...	1440	.9	130	8.3	4.8	.10	.020	.18	.20	.30	1.3	.010
15...	1455	1.2	130	8.4	5.0	.20	.020	.14	.16	.36	1.6	.020

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
15...	1440	<.010	20	1	20	5	40	<10	<.1	2	30
15...	1455	<.010	--	1	--	11	620	--	<.1	<1	260

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN								
27...	0940	80513	.00	265	8.1	5.5	186	10.5
27...	0942	80513	10.0	265	8.1	5.5	--	10.5
27...	0945	80513	20.0	265	8.0	5.5	--	10.5
27...	0947	80513	30.0	265	8.0	5.5	--	10.4
27...	0949	80513	40.0	265	8.0	5.5	--	10.4
27...	0951	80513	50.0	265	7.9	5.5	--	10.4
27...	0954	80513	60.0	265	7.9	5.5	--	10.4
27...	0956	80513	70.0	265	7.9	5.5	--	10.4
27...	0958	80513	80.0	265	7.9	5.5	--	10.4
27...	1000	80513	90.0	265	7.9	5.5	--	10.4
27...	1002	80513	100	265	7.9	5.5	--	10.4
27...	1004	80513	110	265	7.9	5.5	--	10.4
27...	1006	80513	120	265	7.9	5.5	--	10.4
27...	1008	80513	130	265	7.9	5.5	--	10.4
27...	1010	80513	140	265	7.9	5.5	--	10.4
27...	1012	80513	150	265	7.9	5.5	--	10.3
27...	1013	80513	160	265	7.9	5.0	--	10.1
27...	1015	80513	169	265	7.8	5.0	--	9.9
FEB								
17...	1300	80513	.00	240	8.2	5.0	210	12.0
17...	1302	80513	10.0	240	8.2	5.0	--	12.0
17...	1304	80513	20.0	240	8.2	5.0	--	12.0
17...	1306	80513	30.0	240	8.2	5.0	--	12.0
17...	1308	80513	40.0	240	8.1	4.5	--	11.8
17...	1310	80513	50.0	240	8.1	4.0	--	11.8
17...	1312	80513	60.0	240	8.0	4.0	--	11.8
17...	1314	80513	70.0	240	8.0	4.0	--	11.8
17...	1316	80513	80.0	240	8.0	4.0	--	11.8
17...	1318	80513	90.0	240	8.0	4.0	--	11.8
17...	1320	80513	100	240	8.0	4.0	--	11.8
17...	1322	80513	110	240	8.0	4.0	--	11.8
17...	1324	80513	120	240	8.0	4.0	--	11.8
17...	1326	80513	130	240	8.0	4.0	--	11.8
17...	1328	80513	140	240	8.0	4.0	--	11.8
17...	1330	80513	150	240	8.0	4.0	--	11.8
17...	1332	80513	160	240	8.0	4.0	--	11.8
17...	1334	80513	170	240	8.0	4.0	--	11.7
17...	1335	80513	179	245	8.0	4.0	--	11.6
MAR								
22...	1000	80513	.00	250	8.2	10.0	210	11.6
22...	1002	80513	10.0	250	8.2	10.0	--	11.6
22...	1004	80513	20.0	250	8.2	10.0	--	11.6
22...	1006	80513	30.0	250	8.1	10.0	--	11.5
22...	1008	80513	40.0	250	8.1	9.5	--	11.4
22...	1010	80513	50.0	250	8.1	9.5	--	11.4
22...	1012	80513	60.0	250	8.1	8.5	--	11.4
22...	1014	80513	65.0	250	8.1	7.5	--	11.4
22...	1016	80513	66.0	250	8.1	6.5	--	11.4
22...	1018	80513	70.0	250	8.1	6.0	--	11.4
22...	1020	80513	80.0	250	8.1	5.5	--	11.4
22...	1022	80513	90.0	250	8.1	5.5	--	11.3
22...	1024	80513	100	250	8.1	5.5	--	11.3
22...	1026	80513	110	250	8.0	5.5	--	11.3
22...	1028	80513	120	250	8.0	5.0	--	11.3
22...	1030	80513	130	250	8.0	5.0	--	11.3
22...	1032	80513	140	250	8.0	5.0	--	11.2
22...	1034	80513	150	250	8.0	5.0	--	11.2
22...	1036	80513	160	250	8.0	5.0	--	11.2
22...	1038	80513	170	250	8.0	5.0	--	11.2
22...	1040	80513	173	250	8.0	5.0	--	11.2

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
APR								
21...	1040	80513	.00	260	8.1	12.5	432	10.6
21...	1042	80513	10.0	260	8.1	12.5	--	10.6
21...	1044	80513	20.0	260	8.1	12.5	--	10.6
21...	1046	80513	30.0	260	8.1	12.0	--	10.6
21...	1048	80513	40.0	260	8.1	12.0	--	10.6
21...	1050	80513	50.0	260	8.1	11.5	--	10.6
21...	1052	80513	57.0	260	8.0	10.5	--	10.5
21...	1054	80513	60.0	260	8.0	9.5	--	10.4
21...	1056	80513	70.0	260	8.0	9.0	--	10.4
21...	1058	80513	80.0	260	8.0	8.5	--	10.3
21...	1100	80513	90.0	260	8.0	8.5	--	10.3
21...	1102	80513	100	260	7.9	7.5	--	10.2
21...	1104	80513	110	260	7.9	6.5	--	10.2
21...	1106	80513	120	260	7.9	6.0	--	10.3
21...	1108	80513	130	260	7.9	5.5	--	10.3
21...	1110	80513	140	260	7.9	5.5	--	10.4
21...	1112	80513	150	260	7.9	5.5	--	10.4
21...	1114	80513	160	260	7.9	5.5	--	10.4
21...	1116	80513	170	260	7.8	5.5	--	10.0
21...	1120	80513	173	260	7.8	5.5	--	9.8

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY									
25...	1435	80513	80513	.00	174	250	8.5	23.0	9.3
25...	1438	80513	--	10.0	174	250	8.5	22.5	10.4
25...	1440	80513	--	11.0	174	250	8.5	21.0	11.1
25...	1442	80513	--	13.0	174	250	8.5	20.0	11.3
25...	1444	80513	--	15.0	174	250	8.5	19.0	11.2
25...	1446	80513	--	18.0	174	250	8.4	18.0	11.2
25...	1448	80513	--	20.0	174	250	8.4	17.5	10.9
25...	1449	80513	--	23.0	174	250	8.3	16.5	10.7
25...	1450	80513	80010	25.0	174	250	8.3	16.0	11.0
25...	1452	80513	--	28.0	174	255	8.2	15.0	10.6
25...	1454	80513	--	30.0	174	255	8.1	14.0	10.4
25...	1456	80513	--	33.0	174	255	8.1	13.0	10.3
25...	1458	80513	--	40.0	174	255	8.0	12.0	10.0
25...	1500	80513	--	45.0	174	255	7.9	11.0	9.7
25...	1502	80513	--	50.0	174	255	7.9	10.5	9.6
25...	1504	80513	--	60.0	174	255	7.8	9.5	9.1
25...	1506	80513	--	70.0	174	255	7.7	9.0	8.9
25...	1508	80513	--	80.0	174	255	7.7	8.5	8.8
25...	1509	80513	--	90.0	174	255	7.6	7.5	8.5
25...	1510	80513	80010	100	174	255	7.7	7.0	9.1
25...	1512	80513	--	110	174	255	7.7	6.5	9.2
25...	1514	80513	--	120	174	255	7.6	6.0	8.9
25...	1516	80513	--	130	174	255	7.6	6.0	9.2
25...	1518	80513	--	140	174	255	7.7	6.0	9.3
25...	1520	80513	--	150	174	255	7.7	5.5	9.2
25...	1522	80513	--	160	174	255	7.6	5.5	9.2
25...	1524	80513	--	170	174	260	7.6	5.5	8.6
25...	1525	80513	--	174	174	260	7.6	5.5	8.5

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
MAY												
25...	1435	.00	174	--	--	199	--	0	--	--	--	--
25...	1450	25.0	174	<1	<1.0	--	.9	--	.00	34	85	10
25...	1510	100	174	<1	<1.0	--	.5	--	7.0	36	90	11

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
MAY												
25...	1450	1.4	126	8.0	4.6	.10	.100	.10	.20	.30	1.3	<.010
25...	1510	1.3	128	7.0	4.8	.20	.100	.10	.20	.40	1.8	<.010

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY											
25...	1450	<.010	20	1	10	2	10	<10	<.1	3	<10
25...	1510	<.010	10	1	10	3	10	<10	<.1	4	10

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
25...	1436	80513	80010	3.00	174	<.010	<.010	<.03	1.20	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN								
23...	1120	80513	.00	250	8.4	26.5	300	7.9
23...	1122	80513	10.0	250	8.4	26.0	--	7.9
23...	1124	80513	20.0	250	8.4	25.0	--	8.2
23...	1126	80513	23.0	250	8.4	24.0	--	8.9
23...	1128	80513	24.0	250	8.5	22.5	--	10.0
23...	1130	80513	26.0	250	8.5	21.5	--	10.6
23...	1132	80513	28.0	250	8.5	20.5	--	10.9
23...	1134	80513	30.0	255	8.4	19.5	--	10.9
23...	1136	80513	33.0	255	8.4	18.5	--	11.1
23...	1138	80513	35.0	255	8.3	17.5	--	10.8
23...	1140	80513	37.0	255	8.3	16.5	--	10.6
23...	1142	80513	40.0	255	8.2	15.5	--	10.3
23...	1144	80513	45.0	255	8.1	14.5	--	9.8
23...	1146	80513	50.0	255	8.0	13.5	--	9.3
23...	1148	80513	53.0	260	7.9	12.5	--	9.2
23...	1150	80513	60.0	260	7.8	11.5	--	8.9
23...	1152	80513	70.0	260	7.7	10.5	--	8.2
23...	1154	80513	80.0	260	7.6	9.5	--	7.8
23...	1156	80513	90.0	260	7.6	9.0	--	7.6
23...	1158	80513	100	260	7.5	8.5	--	7.5
23...	1200	80513	110	260	7.5	7.5	--	7.7
23...	1202	80513	120	260	7.6	7.0	--	7.8
23...	1204	80513	130	260	7.6	6.5	--	7.9
23...	1206	80513	140	260	7.6	6.0	--	7.9
23...	1208	80513	150	260	7.6	6.0	--	7.7
23...	1210	80513	160	260	7.6	6.0	--	7.0
23...	1212	80513	170	265	7.5	6.0	--	6.8
23...	1215	80513	177	265	7.5	6.0	--	6.7

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL									
21...	1320	80513	--	.00	260	7.8	28.0	336	7.0
21...	1322	80513	--	10.0	260	7.9	27.5	--	7.0
21...	1324	80513	--	20.0	260	7.9	26.5	--	9.0
21...	1326	80513	--	21.0	260	7.9	25.0	--	9.5
21...	1328	80513	--	22.0	260	7.9	24.0	--	9.9
21...	1330	80513	--	25.0	280	8.0	23.0	--	10.2
21...	1332	80513	--	28.0	280	8.0	22.0	--	11.0
21...	1334	80513	--	29.0	280	8.0	19.5	--	11.2
21...	1336	80513	--	30.0	280	7.9	19.0	--	11.2
21...	1338	80513	--	31.0	280	7.9	18.0	--	11.4
21...	1340	80513	--	35.0	280	7.9	17.0	--	10.8
21...	1342	80513	--	37.0	280	7.9	16.0	--	10.4
21...	1344	80513	--	40.0	300	8.2	15.5	--	10.0
21...	1346	80513	--	50.0	320	8.0	15.0	--	8.6
21...	1348	80513	--	55.0	320	7.9	14.0	--	8.0
21...	1350	80513	--	60.0	320	7.8	13.0	--	7.3
21...	1352	80513	--	70.0	320	7.8	12.0	--	7.0
21...	1354	80513	--	80.0	320	7.7	11.0	--	6.5
21...	1356	80513	--	90.0	320	7.5	10.0	--	6.2
21...	1358	80513	--	100	320	7.5	9.0	--	6.1
21...	1400	80513	--	110	320	7.5	8.5	--	6.1
21...	1402	80513	--	120	320	7.5	8.0	--	6.1
21...	1404	80513	--	130	320	7.5	7.0	--	6.0
21...	1406	80513	--	140	320	7.4	6.5	--	5.9
21...	1408	80513	--	150	320	7.4	6.5	--	6.0
21...	1410	80513	--	160	320	7.4	6.0	--	5.8
21...	1412	80513	--	170	320	7.4	6.0	--	5.3
21...	1415	80513	--	176	320	7.4	6.0	--	5.1

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
21...	1321	80513	80010	3.00	176	.040	.030	.12	.700	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG									
24...	1450	80513	80513	.00	174	245	8.5	28.5	8.0
24...	1452	80513	--	10.0	174	245	8.4	28.0	8.1
24...	1454	80513	--	20.0	174	245	8.4	27.0	8.6
24...	1455	80513	80010	25.0	174	245	8.4	26.0	11.4
24...	1456	80513	--	26.0	174	245	8.4	25.0	12.4
24...	1458	80513	--	28.0	174	245	8.5	24.0	13.2
24...	1500	80513	--	30.0	174	245	8.5	23.0	13.6
24...	1502	80513	--	33.0	174	245	8.5	22.0	13.2
24...	1504	80513	--	35.0	174	245	8.4	21.0	13.0
24...	1506	80513	--	38.0	174	245	8.4	20.0	12.9
24...	1508	80513	--	40.0	174	245	8.4	19.5	12.6
24...	1510	80513	--	43.0	174	250	8.4	18.5	11.8
24...	1512	80513	--	45.0	174	250	8.3	17.5	10.7
24...	1514	80513	--	50.0	174	255	8.1	16.5	8.5
24...	1516	80513	--	55.0	174	255	7.9	15.5	7.3
24...	1518	80513	--	60.0	174	260	7.7	14.5	6.5
24...	1520	80513	--	70.0	174	260	7.7	13.5	4.9
24...	1522	80513	--	80.0	174	260	7.6	12.5	5.3
24...	1524	80513	--	90.0	174	260	7.6	11.5	5.6
24...	1525	80513	80010	100	174	255	7.6	10.5	5.7
24...	1526	80513	--	110	174	255	7.6	9.5	5.7
24...	1528	80513	--	120	174	255	7.5	8.5	5.6
24...	1530	80513	--	130	174	255	7.5	7.5	5.3
24...	1532	80513	--	140	174	255	7.5	7.0	5.1
24...	1534	80513	--	150	174	255	7.4	6.5	5.1
24...	1536	80513	--	160	174	255	7.4	6.5	4.8
24...	1538	80513	--	170	174	260	7.4	6.5	4.5
24...	1540	80513	--	174	174	260	7.3	6.5	3.8

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
AUG												
24...	1450	.00	174	--	--	226	--	77	--	--	--	--
24...	1455	25.0	174	7	<1.0	--	.7	--	.00	31	78	10
24...	1525	100	174	13	<1.0	--	.6	--	.00	31	78	8.6

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
AUG												
24...	1455	1.6	120	7.0	4.4	<.10	<.010	--	.80	--	--	.020
24...	1525	1.7	124	7.0	4.4	.23	.010	.39	.40	.63	2.8	.020

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG											
24...	1455	<.010	30	1	10	4	40	<10	<.1	3	160
24...	1525	.010	50	1	10	5	40	10	.1	5	40

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP									
22...	1040	80513	--	.00	240	8.2	24.0	238	8.4
22...	1044	80513	--	10.0	240	8.2	24.0	--	8.3
22...	1046	80513	--	20.0	240	8.2	24.0	--	8.2
22...	1048	80513	--	30.0	240	8.2	24.0	--	8.1
22...	1050	80513	--	40.0	240	8.1	23.0	--	8.3
22...	1052	80513	--	41.0	245	8.0	21.0	--	8.7
22...	1054	80513	--	43.0	245	8.0	20.0	--	8.5
22...	1056	80513	--	46.0	245	7.9	19.0	--	7.8
22...	1058	80513	--	50.0	245	7.8	18.0	--	7.1
22...	1100	80513	--	54.0	250	7.7	17.0	--	5.9
22...	1102	80513	--	57.0	250	7.6	16.0	--	5.0
22...	1104	80513	--	60.0	250	7.5	15.0	--	4.2
22...	1106	80513	--	67.0	255	7.5	14.0	--	3.4
22...	1108	80513	--	70.0	255	7.5	13.5	--	3.3
22...	1110	80513	--	80.0	255	7.4	12.5	--	3.6
22...	1112	80513	--	90.0	245	7.4	11.5	--	4.3
22...	1114	80513	--	100	245	7.4	10.5	--	4.8
22...	1116	80513	--	110	245	7.4	9.5	--	4.8
22...	1118	80513	--	120	245	7.4	9.0	--	4.5
22...	1120	80513	--	130	245	7.4	8.0	--	4.1
22...	1122	80513	--	140	245	7.3	7.5	--	3.9
22...	1124	80513	--	150	245	7.3	7.0	--	3.7
22...	1126	80513	--	160	245	7.3	7.0	--	3.5
22...	1128	80513	--	170	245	7.3	6.5	--	3.3
22...	1130	80513	--	178	255	7.2	6.5	--	1.5

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP									
22...	1041	80513	80010	3.00	178	<.010	<.010	.900	<.100

07054501 WHITE RIVER AT BULL SHOALS DAM, NEAR FLIPPIN, AR

LOCATION.--Lat 36°21'56", long 92°34'29", in NW 1/4 sec.21, T.20 N., R.15 W., Marion County, Hydrologic Unit 11010003, at dam on White River, 11.9 mi (19.1 km) upstream from gaging station, 6.3 mi (10.1 km) northwest of Flippin, 12.5 mi (20.1 km) downstream from Little North Fork, and at mile 418.6 (673.5 km).

DRAINAGE AREA.--6,051 mi^2 (15,670 km^2).

PERIOD OF RECORD.--July 1954 to September 1968, October 1970 to September 1971, December 1973 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1954 to September 1964.

COOPERATION.--Additional records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT												
20...	1700	9827	9827	50	--	7.9	18.0	12.0	--	.70	9.4	87
21...	1310	80513	--	--	265	7.7	--	9.0	--	--	11.2	--
NOV												
17...	1350	80513	--	--	280	7.8	--	9.5	--	--	8.9	--
DEC												
08...	1600	9827	9827	50	--	7.9	11.0	9.0	--	1.0	9.6	83
15...	1530	80513	80010	--	265	7.6	5.0	8.0	<1	.70	6.1	--
JAN												
26...	1700	9827	9827	8230	--	8.1	4.0	5.0	--	1.6	--	--
27...	1020	80513	--	--	265	8.2	--	5.0	--	--	11.9	--
FEB												
17...	1230	80513	--	--	265	8.2	--	4.0	--	--	11.8	--
23...	1700	9827	9827	19800	--	8.2	28.0	5.0	--	1.8	12.0	94
MAR												
22...	1100	80513	--	--	250	8.0	--	6.0	--	--	11.8	--
23...	0800	9827	9827	13200	--	8.1	4.0	5.0	--	1.0	11.7	91
APR												
20...	1500	9827	9827	471	--	8.1	19.0	10.0	--	1.0	12.0	106
21...	1000	80513	--	--	265	8.1	--	7.0	--	--	11.5	--
MAY												
11...	1545	9827	9827	50	--	8.3	32.0	17.0	--	--	13.4	138
25...	1530	80513	80010	--	250	7.9	25.0	7.5	5	<1.0	8.9	--
JUN												
08...	1615	9827	9827	19400	--	7.8	31.0	9.0	--	4.0	9.5	82
23...	1240	80513	--	--	250	7.6	--	8.0	--	--	7.8	--
JUL												
06...	1600	9827	9827	16600	--	7.6	33.0	8.0	--	1.0	9.4	79
21...	1300	80513	--	--	300	7.9	--	9.5	--	--	10.3	--
AUG												
10...	1600	9827	9827	4590	--	7.7	31.0	10.0	--	1.2	9.2	81
24...	1550	80513	80010	--	250	7.7	36.5	9.5	14	<1.0	7.1	--
SEP												
07...	1500	9827	9827	3100	--	7.8	31.0	12.0	--	2.0	8.3	77
22...	1010	80513	--	--	270	7.8	--	9.5	--	--	8.3	--
28...	1500	9827	9827	1240	--	7.8	30.0	13.0	--	1.8	8.4	79

07054501 WHITE RIVER AT BULL SHOALS DAM, NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT												
20...	1.2	<4	--	144	--	--	--	--	--	--	3.0	6.0
DEC												
08...	1.5	<4	--	148	--	--	--	--	--	--	9.0	--
15...	1.2	--	0	138	8.0	37	92	11	1.0	130	9.0	4.9
JAN												
26...	1.4	<4	--	134	--	--	--	--	--	--	9.0	8.5
FEB												
23...	1.4	<4	--	134	--	--	--	--	--	--	9.0	9.0
MAR												
23...	1.8	<4	--	140	--	--	--	--	--	--	8.0	5.5
APR												
20...	2.6	<4	--	138	--	--	--	--	--	--	--	5.5
MAY												
11...	1.9	<4	--	138	--	--	--	--	--	--	--	6.5
25...	.6	--	0	133	4.0	35	88	11	1.7	129	8.0	5.0
JUN												
08...	1.8	4	--	136	--	--	--	--	--	--	11	14
JUL												
06...	3.1	20	--	130	--	--	--	--	--	--	9.0	7.5
AUG												
10...	1.3	8	--	132	--	--	--	--	--	--	11	15
24...	.4	--	K2300	117	.00	33	82	8.5	1.7	125	7.0	4.7
SEP												
07...	2.1	<4	--	132	--	--	--	--	--	--	9.0	7.5
28...	2.0	<4	--	128	--	--	--	--	--	--	--	10

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT												
20...	152	.21	2	.23	.020	--	--	--	--	<.010	--	<.010
DEC												
08...	162	.22	1	.21	.030	--	--	--	--	.010	--	<.010
15...	--	--	--	.24	.030	.21	.24	.48	2.1	<.010	--	<.010
JAN												
26...	144	.20	4	.13	.010	--	--	--	--	.010	--	<.010
FEB												
23...	--	--	2	.08	.020	--	--	--	--	.010	--	<.010
MAR												
23...	142	.19	<1	.12	.060	--	--	--	--	.010	--	.010
APR												
20...	148	.20	2	.16	.040	--	--	--	--	<.010	--	.010
MAY												
11...	157	.21	2	.14	.030	--	--	--	--	.020	--	<.010
25...	--	--	--	.20	.040	.48	.52	.72	3.2	<.010	<.03	<.010
JUN												
08...	154	.21	<1	.23	.040	--	--	--	--	<.010	--	<.010
JUL												
06...	156	.21	4	.29	.040	--	--	--	--	<.010	--	<.010
AUG												
10...	158	.21	1	--	.030	--	--	--	--	.010	--	<.010
24...	--	--	--	.30	<.010	--	.40	.70	3.1	.020	.06	<.010
SEP												
07...	157	.21	2	.33	.040	--	--	--	--	--	--	<.010
28...	156	.21	2	.25	.050	--	--	--	--	.010	--	.010

07054501 WHITE RIVER AT BULL SHOALS DAM, NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)
OCT							
20...	1700	--	<5	<1	4	--	--
DEC							
08...	1600	--	<5	<1	<1	11	--
15...	1530	<10	1	--	20	5	50
JAN							
26...	1700	--	11	<1	6	12	--
FEB							
23...	1700	--	<5	--	<1	<10	--
MAR							
23...	0800	--	<5	<1	<1	<10	--
APR							
20...	1500	--	<5	<1	7	<10	--
MAY							
11...	1545	--	--	<1	2	<10	--
25...	1530	<10	2	--	10	3	60
JUN							
08...	1615	--	--	<1	--	<10	--
JUL							
06...	1600	--	<5	<1	--	<10	--
AUG							
10...	1600	--	<5	<1	<1	<10	--
24...	1550	20	1	--	10	5	50
SEP							
07...	1500	--	<5	<1	<1	<10	--
28...	1500	--	<5	<1	--	--	--

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT						
20...	--	--	--	--	--	<3
DEC						
08...	--	--	--	--	<5	10
15...	<1	<10	<.1	2	--	30
JAN						
26...	--	--	--	--	<5	16
FEB						
23...	--	--	--	--	<5	8
MAR						
23...	--	--	--	--	<5	8
APR						
20...	--	--	--	--	<5	<3
MAY						
11...	--	--	--	--	<5	6
25...	1	10	<.1	7	--	40
JUN						
08...	--	--	--	--	12	6
JUL						
06...	--	--	<1.0	--	<5	5
AUG						
10...	--	--	--	--	<5	73
24...	4	10	<.1	4	--	40
SEP						
07...	--	--	--	--	<5	--
28...	--	--	--	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
08...	1600	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
11...	1545	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
10...	1600	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07055608 CROOKED CREEK AT YELLVILLE, AR

LOCATION.--Lat 36°13'23", long 92°40'47", in NW 1/4 NE 1/4 sec.9, T.18 N., R.16 W., Marion County, Hydrologic Unit 11010003, at bridge on State Highway 14 at Yellville.

PERIOD OF RECORD.--October 1979 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
20...	1745	9827	9827	24	8.2	18.0	12.0	1.0	11.2	104	1.2
DEC											
08...	1645	9827	9827	135	8.3	9.0	9.0	4.0	12.7	109	.8
JAN											
26...	1730	9827	9827	297	8.3	3.0	4.0	3.5	--	--	1.5
FEB											
23...	1800	9827	9827	490	8.3	27.0	13.0	3.2	10.5	99	1.9
MAR											
23...	0830	9827	9827	740	8.2	4.0	11.0	1.5	11.4	103	.7
APR											
20...	1545	9827	9827	119	8.2	19.0	18.0	1.0	11.6	122	2.2
MAY											
11...	1630	9827	9827	88	8.2	33.0	25.0	--	10.9	130	2.2
JUN											
08...	1515	9827	9827	150	8.2	33.0	27.0	9.0	12.1	149	--
JUL											
06...	1515	9827	9827	155	8.1	33.0	29.0	4.8	11.5	147	2.8
AUG											
10...	1530	9827	9827	38	8.2	33.0	29.0	4.0	11.0	141	2.4
SEP											
07...	1545	9827	9827	40	8.1	31.0	28.0	3.0	10.3	130	1.4
28...	1545	9827	9827	.00	8.1	29.0	32.0	3.8	10.1	136	2.0

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
20...	4	180	1.0	9.0	203	.28	<1	.37	.020	.010	<.010
DEC											
08...	4	176	9.0	--	197	.27	11	.17	.020	.020	<.010
JAN											
26...	<4	170	9.0	7.5	205	.28	8	1.1	.020	.020	<.010
FEB											
23...	8	180	--	7.5	--	--	6	1.2	.020	.000	<.010
MAR											
23...	20	182	6.0	6.0	182	.25	2	.48	.040	.010	<.010
APR											
20...	4	172	--	6.0	190	.26	4	.34	.040	.010	<.010
MAY											
11...	<4	168	--	6.0	197	.27	8	.20	.040	.030	<.010
JUN											
08...	100	158	9.0	9.0	174	.24	16	.22	.040	.010	<.010
JUL											
06...	24	186	6.0	6.0	924	1.3	14	.25	.040	.010	<.010
AUG											
10...	40	150	7.0	16	182	.25	8	--	.020	.010	<.010
SEP											
07...	<4	144	6.0	6.0	171	.23	5	.04	.040	--	<.010
28...	4	152	--	10	182	.25	14	.02	.060	.030	.010

07055608 CROOKED CREEK AT YELLVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
20...	1745	<5	<1	<1	--	--	--	<3
DEC								
08...	1645	<5	<1	<1	10	--	<5	8
JAN								
26...	1730	17	<1	<1	<10	--	<5	8
FEB								
23...	1800	7	--	<1	<10	--	<5	7
MAR								
23...	0830	<5	<1	<1	<10	--	5	11
APR								
20...	1545	10	<1	2	<10	--	<5	<3
MAY								
11...	1630	--	<1	3	<10	--	<5	8
JUN								
08...	1515	--	<1	--	<10	--	5	5
JUL								
06...	1515	<5	<1	--	12	<1.0	<5	6
AUG								
10...	1530	<5	<1	<1	<10	--	<5	6
SEP								
07...	1545	<5	<1	<1	<10	--	<5	--
28...	1545	<5	<1	--	--	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
08...	1645	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB											
23...	1800	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
11...	1630	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
10...	1530	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07056000 BUFFALO RIVER NEAR ST. JOE, AR

LOCATION.--Lat 35°59'02", long 92°44'44", in SW 1/4 SW 1/4 sec.36, T.16 N., R.17 W., Searcy County, Hydrologic Unit 11010005, near right bank on downstream side of bridge on U.S. Highway 65, 1.6 mi (2.6 km) downstream from Mill Creek, 5.4 mi (8.7 km) upstream from Bear Creek, 4.5 mi (7.2 km) southeast of St. Joe, and at mile 58.3 (93.8 km).

DRAINAGE AREA.--829 mi^2 (2,147 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to current year.

REVISED RECORDS.--WSP 1211: 1945(M), 1949(M). WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 560.35 ft (170.795 m) National Geodetic Vertical Datum of 1929. Prior to Mar. 1, 1940, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years, 1,013 ft^3/s (28.7 m^3/s) 16.59 in/yr (421 mm/yr), 733,900 acre-ft/yr (905 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 111,000 ft^3/s (3,140 m^3/s) Nov. 25, 1973, gage height, 45.41 ft (13.841 m); minimum, 6.6 ft^3/s (0.19 m^3/s) Sept. 16, 17, 20, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage, 50.5 ft (15.39 m) in August 1915, from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 58,100 ft^3/s (1,640 m^3/s) Jan. 31 at 0815 hours, gage height 32.62 ft (9.943 m), no other peak above base of 13,000 ft^3/s (370 m^3/s); minimum, 44 ft^3/s (1.25 m^3/s) Oct. 10, 11, 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	196	348	126	9840	740	568	685	520	915	276	240
2	60	401	855	124	4890	690	552	644	444	1010	252	212
3	57	644	608	131	3360	660	540	608	433	790	229	187
4	58	460	480	140	2580	648	556	576	2420	632	212	166
5	55	370	401	196	2100	652	548	540	3210	544	204	153
6	52	316	351	303	1700	632	528	508	2040	484	196	138
7	49	276	316	309	1350	600	516	520	1350	440	187	128
8	47	246	288	297	1200	572	552	632	1030	415	187	121
9	46	218	270	279	1260	548	1030	580	815	398	185	114
10	46	200	249	258	1250	528	1100	520	865	377	182	110
11	46	190	229	255	1110	516	970	476	805	360	198	105
12	50	180	212	255	1040	508	890	444	676	338	344	103
13	50	170	201	255	990	496	835	422	612	319	668	101
14	50	160	190	235	960	1000	780	544	556	300	780	96
15	50	150	182	198	1090	4080	715	780	516	288	616	105
16	74	150	174	193	2270	3290	680	770	6830	279	448	128
17	78	140	163	190	5460	2710	840	656	4450	267	360	133
18	76	136	153	187	3380	2020	1080	584	2470	255	312	119
19	69	128	145	176	2520	1630	965	540	2020	240	279	105
20	72	121	138	163	2050	1360	875	504	1700	229	246	96
21	74	116	133	160	1720	1160	765	456	1190	221	221	88
22	101	114	133	332	1410	1000	660	1050	965	215	196	84
23	136	110	138	2910	1220	890	600	592	805	218	182	80
24	163	105	140	2010	1100	820	564	512	825	210	171	80
25	246	103	155	1310	980	760	536	516	1880	210	158	76
26	240	101	160	1010	885	690	552	488	2510	207	150	72
27	246	94	153	820	830	636	710	436	2280	201	150	69
28	300	92	145	700	780	600	668	405	1550	210	232	69
29	270	90	138	620	---	576	620	380	1180	210	422	67
30	235	114	133	6940	---	564	676	360	995	226	328	63
31	212	---	131	45300	---	560	---	384	---	279	279	---
TOTAL	3370	5891	7512	66382	59325	32136	21471	17112	47942	11287	8850	3408
MEAN	109	196	242	2141	2119	1037	716	552	1598	364	285	114
MAX	300	644	855	45300	9840	4080	1100	1050	6830	1010	780	240
MIN	46	90	131	124	780	496	516	360	433	201	150	63
CFSM	.13	.24	.29	2.58	2.56	1.25	.86	.67	1.93	.44	.34	.14
IN.	.15	.26	.34	2.98	2.66	1.44	.96	.77	2.15	.51	.40	.15
AC-FT	6680	11680	14900	131700	117700	63740	42590	33940	95090	22390	17550	6760

CAL YR 1981 TOTAL 202066 MEAN 554 MAX 10000 MIN 46 CFSM .67 IN 9.07 AC-FT 400800
WTR YR 1982 TOTAL 284686 MEAN 780 MAX 45300 MIN 46 CFSM .94 IN 12.77 AC-FT 564700

07056000 BUFFALO RIVER NEAR ST. JOE, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954-57, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1956 to September 1957.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 27...	1130	9827	9827	243	8.2	13.0	14.0	.90	11.0
DEC 01...	1050	9827	9827	136	8.0	7.0	10.0	1.2	10.6
JAN 26...	1130	9827	9827	1020	7.9	3.0	6.0	8.0	12.5
FEB 16...	1000	9827	9827	1620	8.0	12.0	9.0	5.5	11.2
MAR 16...	1015	9827	9827	3140	7.9	21.0	15.0	15	9.8
APR 20...	1030	9827	9827	885	7.9	15.0	15.0	2.8	10.1
MAY 11...	1045	9827	9827	484	8.0	24.0	20.0	--	9.2
JUN 22...	1045	9827	9827	975	7.9	25.0	22.0	3.8	9.3
JUL 20...	1010	9827	9827	235	7.8	31.0	27.0	2.0	8.3
AUG 17...	1045	9827	9827	360	8.0	28.0	26.0	4.4	9.0
SEP 14...	1030	9827	9827	101	7.9	28.0	25.0	2.0	8.8

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT 27...	106	7	1.6	8	130	3.0	4.5	153	.21
DEC 01...	94	2	2.7	24	128	6.0	3.5	137	.19
JAN 26...	100	--	1.2	20	72	6.0	4.0	99	.13
FEB 16...	97	2	.6	8	86	4.0	5.5	103	.14
MAR 16...	96	5	1.7	210	74	5.0	2.5	96	.13
APR 20...	99	2	.9	70	76	7.0	2.5	84	.11
MAY 11...	100	7	1.5	4	84	2.0	3.5	104	.14
JUN 22...	106	5	2.9	48	96	10	3.5	114	.16
JUL 20...	102	3	2.7	32	116	--	--	128	.17
AUG 17...	110	5	1.7	4	--	5.0	3.5	130	.18
SEP 14...	105	9	5.6	44	116	4.0	5.0	125	.17

07056000 BUFFALO RIVER NEAR ST. JOE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 27...	<1	.07	<.010	--	--	--	--	<.010	<.010
DEC 01...	8	.07	.030	--	<.10	--	--	.020	.010
JAN 26...	4	.28	.020	--	<.10	--	--	.030	<.010
FEB 16...	6	.35	.020	--	--	--	--	.050	<.010
MAR 16...	10	.10	.030	--	<.10	--	--	.020	.010
APR 20...	1	.01	.010	.09	.10	.11	.49	<.010	<.010
MAY 11...	<1	.04	.010	.19	.20	.24	1.1	.010	<.010
JUN 22...	<1	.10	.040	.26	.30	.40	1.8	.010	.010
JUL 20...	4	.05	.030	--	--	--	--	--	<.010
AUG 17...	8	.10	.040	--	<.10	--	--	.010	<.010
SEP 14...	2	.02	.020	.18	.20	.22	.97	.010	<.010

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT 27...	1130	<5	<1	2	<10	--	<5	<3
DEC 01...	1050	<5	<1	<1	<10	--	<5	9
JAN 26...	1130	6	<1	1	10	--	6	15
FEB 16...	1000	<5	<1	<1	--	--	<5	12
MAR 16...	1015	<5	<1	<1	12	--	<5	20
APR 20...	1030	<5	<1	1	<10	--	<5	<3
MAY 11...	1045	5	<1	<1	<10	--	<5	<3
JUN 22...	1045	<5	<1	<1	<10	--	--	9
JUL 20...	1010	<5	<1	<1	<10	<1.0	<5	3
AUG 17...	1045	<5	<1	5	<10	--	<5	4
SEP 14...	1030	<5	<1	1	<10	--	<5	3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
FEB 16...	1000	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR 16...	1015	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR 20...	1030	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL 20...	1010	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07057370 WHITE RIVER NEAR NORFORK, AR

LOCATION.--Lat 36°13'24", long 92°18'06", in sec.17, T.18 N., R.12 W., Baxter County, Hydrologic Unit 11010004, at bridge on State Highway 341, and 1.7 mi (2.7 km) northwest of Norfork.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
20...	1615	9827	9827	650	8.4	22.0	15.0	4.5	11.8	116	.7
DEC											
08...	1500	9827	9827	1050	8.5	14.0	10.0	2.0	13.0	115	.6
JAN											
26...	1545	9827	9827	2270	8.1	4.0	5.0	20	--	--	1.4
FEB											
23...	1600	9827	9827	22000	8.2	29.0	10.0	2.6	12.0	106	1.4
MAR											
23...	1000	9827	9827	15900	8.2	8.0	7.0	3.0	11.4	93	2.1
APR											
20...	1430	9827	9827	6820	8.1	18.0	13.0	2.0	11.0	104	1.0
MAY											
11...	1445	9827	9827	2060	8.2	33.0	22.0	--	9.7	110	1.6
JUN											
08...	1443	9827	9827	10700	7.9	31.0	11.0	8.0	10.0	90	1.6
JUL											
06...	1430	9827	9827	9830	7.7	34.0	12.0	1.4	10.2	94	1.3
AUG											
10...	1430	9827	9827	3140	8.1	34.0	20.0	1.5	10.7	116	1.7
SEP											
07...	1420	9827	9827	3870	7.9	31.0	16.0	2.0	9.3	93	.9
28...	1430	9827	9827	2330	8.0	31.0	16.0	2.0	10.2	102	1.0

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
20...	<4	142	2.0	5.5	156	.21	4	.08	.030	.010	<.010
DEC											
08...	4	142	8.0	--	150	.20	4	.03	.020	.020	<.010
JAN											
26...	4	116	10	6.0	128	.17	14	.45	.070	.040	<.010
FEB											
23...	8	134	9.0	7.5	--	--	10	.14	.020	.010	<.010
MAR											
23...	4	140	8.0	5.0	144	.20	4	.14	.070	.040	.010
APR											
20...	<4	120	--	5.0	137	.19	6	.11	.140	.230	.210
MAY											
11...	12	136	--	4.0	155	.21	4	.06	.050	.060	.020
JUN											
08...	40	126	9.0	13	149	.20	8	.21	.050	.010	.010
JUL											
06...	12	136	8.0	6.5	154	.21	4	.22	.060	<.010	<.010
AUG											
10...	8	136	10	17	163	.22	2	--	.030	.010	<.010
SEP											
07...	<4	130	8.0	7.0	159	.22	4	.28	.050	--	<.010
28...	20	136	--	9.0	166	.23	6	.20	.050	.010	.010

07057370 WHITE RIVER NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
20...	1615	<5	<1	<1	--	--	--	<3
DEC								
08...	1500	<5	<1	<1	19	--	5	18
JAN								
26...	1545	<5	<1	<1	22	--	<5	34
FEB								
23...	1600	<5	--	1	29	--	<5	43
MAR								
23...	1000	19	<1	<1	30	--	<5	30
APR								
20...	1430	<5	<1	1	25	--	<5	16
MAY								
11...	1445	--	<1	5	12	--	<5	7
JUN								
08...	1443	--	1	--	26	--	9	26
JUL								
06...	1430	<5	<1	--	16	<1.0	<5	13
AUG								
10...	1430	<5	<1	<1	13	--	<5	15
SEP								
07...	1420	<5	<1	<1	<10	--	<5	--
28...	1430	<5	<1	--	--	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
08...	1500	.00	.00	.00	.00	.00	.00	.00	.00	1	.00
JAN											
26...	1545	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB											
23...	1600	.00	.00	.00	.00	.00	.00	.00	.00	1	.00
MAY											
11...	1445	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
06...	1430	.00	.00	.00	.00	.00	.00	.00	.00	6	.00
AUG											
10...	1430	.00	.00	.00	.00	.00	.00	.00	.00	1	.00

07059500 NORFORK LAKE NEAR NORFORK, AR

LOCATION.--Lat 36°14'57", long 92°14'16", in SE 1/4 sec.2, T.18 N., R.12 W., Baxter County, Hydrologic Unit 11010006, at dam on North Fork River, 4.3 mi (6.9 km) northeast of Norfork, and at mile 4.8 (7.7 km).

DRAINAGE AREA.--1,808 mi^2 (4,683 km^2).

PERIOD OF RECORD.--Water years 1968-69, 1971-72, December 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT								
21...	1425	80513	.00	300	8.3	20.0	174	8.1
21...	1426	80513	10.0	300	8.3	20.0	--	8.0
21...	1428	80513	20.0	300	8.3	19.5	--	8.0
21...	1430	80513	30.0	300	8.2	19.5	--	7.9
21...	1432	80513	40.0	300	8.2	19.5	--	7.8
21...	1434	80513	50.0	300	8.2	19.5	--	7.7
21...	1436	80513	56.0	320	7.8	18.5	--	3.2
21...	1438	80513	58.0	320	7.6	17.5	--	.8
21...	1440	80513	60.0	325	7.5	16.5	--	.5
21...	1442	80513	62.0	325	7.4	15.5	--	.5
21...	1444	80513	65.0	325	7.4	14.5	--	.6
21...	1446	80513	70.0	325	7.4	13.5	--	.7
21...	1448	80513	75.0	330	7.4	12.5	--	.7
21...	1450	80513	80.0	330	7.4	11.5	--	.7
21...	1452	80513	90.0	330	7.5	10.5	--	1.1
21...	1454	80513	100	335	7.5	10.0	--	1.2
21...	1456	80513	110	340	7.5	9.5	--	.7
21...	1458	80513	120	340	7.4	9.0	--	.3
21...	1500	80513	130	345	7.4	9.0	--	.0
21...	1502	80513	140	345	7.4	8.5	--	.0
21...	1504	80513	150	350	7.4	8.5	--	.0
21...	1505	80513	152	365	7.4	8.5	--	.0
NOV								
17...	1530	80513	.00	310	8.2	16.5	218	8.6
17...	1532	80513	10.0	310	8.1	16.0	--	8.3
17...	1534	80513	20.0	310	8.1	15.5	--	8.3
17...	1536	80513	30.0	310	8.1	15.5	--	8.3
17...	1538	80513	40.0	310	8.1	15.5	--	8.2
17...	1540	80513	50.0	310	8.1	15.5	--	8.2
17...	1542	80513	60.0	310	8.1	15.5	--	8.1
17...	1544	80513	70.0	320	7.5	14.5	--	.3
17...	1546	80513	74.0	325	7.4	13.5	--	.1
17...	1548	80513	80.0	325	7.4	13.0	--	.1
17...	1550	80513	85.0	325	7.4	12.0	--	.0
17...	1552	80513	90.0	325	7.4	11.0	--	.2
17...	1554	80513	100	325	7.3	10.5	--	.0
17...	1556	80513	110	330	7.3	9.5	--	.0
17...	1558	80513	120	330	7.3	9.0	--	.0
17...	1600	80513	130	330	7.3	9.0	--	.0
17...	1602	80513	140	330	7.3	9.0	--	.0
17...	1604	80513	150	330	7.3	8.5	--	.0
17...	1605	80513	154	340	7.3	8.0	--	.0

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC									
16...	0845	80513	80513	.00	154	310	7.9	11.0	8.4
16...	0846	80513	--	10.0	154	310	7.9	11.0	8.4
16...	0848	80513	--	20.0	154	310	7.9	11.0	8.4
16...	0850	80513	80010	25.0	154	310	7.9	11.0	8.3
16...	0852	80513	--	30.0	154	310	7.9	11.0	8.3
16...	0854	80513	--	40.0	154	310	7.9	11.0	8.3
16...	0856	80513	--	50.0	154	310	7.9	11.0	8.3
16...	0858	80513	--	60.0	154	310	7.9	11.0	8.3
16...	0900	80513	--	70.0	154	310	7.9	11.0	8.3
16...	0902	80513	--	80.0	154	310	7.9	11.0	8.3
16...	0904	80513	--	90.0	154	310	7.8	11.0	8.3
16...	0905	80513	80010	100	154	310	7.8	11.0	7.0
16...	0906	80513	--	110	154	330	7.4	10.5	1.3
16...	0908	80513	--	120	154	340	7.3	10.0	.1
16...	0910	80513	--	130	154	340	7.3	9.5	.1
16...	0912	80513	--	140	154	340	7.3	9.5	.1
16...	0914	80513	--	150	154	345	7.3	9.0	.1
16...	0915	80513	--	154	154	350	7.3	9.0	.1

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
DEC												
16...	0845	.00	154	--	--	180	--	4	--	--	--	--
16...	0850	25.0	154	2	1.0	--	.4	--	.00	31	78	23
16...	0905	100	154	<1	1.0	--	.7	--	.00	31	78	22

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC												
16...	0850	1.2	180	5.7	2.7	.07	.040	.18	.22	.29	1.3	.010
16...	0905	1.1	180	5.2	2.6	.12	.060	.18	.24	.36	1.6	.020

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
16...	0850	<.010	30	1	20	5	50	40	<.1	2	110
16...	0905	<.010	40	1	10	5	50	50	<.1	1	100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN								
27...	1210	80513	.00	330	8.2	5.5	156	11.2
27...	1212	80513	10.0	330	8.2	5.5	--	11.2
27...	1214	80513	20.0	330	8.2	5.5	--	11.2
27...	1215	80513	30.0	330	8.3	5.5	--	11.2
27...	1216	80513	40.0	330	8.3	5.5	--	11.2
27...	1218	80513	50.0	330	8.3	5.5	--	11.2
27...	1220	80513	60.0	330	8.2	5.5	--	11.2
27...	1222	80513	70.0	330	8.2	5.5	--	11.2
27...	1225	80513	80.0	330	8.2	5.5	--	11.2
27...	1227	80513	90.0	330	8.2	5.5	--	11.2
27...	1230	80513	100	330	8.2	5.5	--	11.2
27...	1231	80513	110	330	8.2	5.5	--	11.2
27...	1233	80513	120	330	8.2	5.5	--	11.2
27...	1235	80513	130	330	8.2	5.5	--	11.2
27...	1237	80513	140	330	8.2	5.5	--	11.2
27...	1240	80513	148	330	8.2	5.5	--	11.2
FEB								
17...	1450	80513	.00	325	8.4	5.0	196	12.7
17...	1452	80513	10.0	325	8.4	5.0	--	12.7
17...	1454	80513	20.0	325	8.4	4.5	--	12.7
17...	1456	80513	30.0	325	8.4	4.5	--	12.7
17...	1458	80513	40.0	325	8.4	4.5	--	12.7
17...	1500	80513	50.0	325	8.4	4.5	--	12.6
17...	1502	80513	60.0	325	8.4	4.5	--	12.6
17...	1504	80513	70.0	325	8.4	4.5	--	12.6
17...	1506	80513	80.0	325	8.3	4.0	--	12.6
17...	1508	80513	90.0	325	8.3	4.0	--	12.5
17...	1510	80513	100	325	8.3	4.0	--	12.4
17...	1512	80513	110	325	8.3	4.0	--	12.4
17...	1514	80513	120	325	8.3	4.0	--	12.3
17...	1516	80513	130	325	8.3	4.0	--	12.3
17...	1518	80513	140	325	8.3	4.0	--	12.2
17...	1520	80513	150	325	8.3	4.0	--	12.2
17...	1522	80513	160	325	8.3	4.0	--	12.1
17...	1525	80513	162	325	8.3	4.0	--	11.8

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
MAR								
22...	1250	80513	.00	320	8.3	10.0	124	12.1
22...	1252	80513	10.0	320	8.3	9.5	--	12.1
22...	1254	80513	20.0	320	8.3	9.5	--	12.1
22...	1256	80513	30.0	320	8.3	9.5	--	12.1
22...	1258	80513	40.0	320	8.3	9.5	--	12.1
22...	1300	80513	50.0	320	8.3	9.5	--	12.1
22...	1302	80513	57.0	320	8.2	8.5	--	12.2
22...	1304	80513	58.0	320	8.2	7.5	--	12.2
22...	1306	80513	60.0	320	8.2	6.5	--	12.2
22...	1308	80513	70.0	320	8.2	6.0	--	12.0
22...	1310	80513	80.0	320	8.2	6.0	--	12.0
22...	1312	80513	90.0	320	8.2	5.5	--	11.9
22...	1314	80513	100	320	8.2	5.5	--	11.9
22...	1316	80513	110	320	8.2	5.5	--	11.9
22...	1318	80513	120	320	8.2	5.5	--	11.9
22...	1320	80513	130	320	8.2	5.5	--	11.8
22...	1322	80513	140	320	8.1	5.5	--	11.7
22...	1324	80513	150	320	8.1	5.5	--	11.6
22...	1325	80513	154	320	8.1	5.5	--	11.3
APR								
21...	1300	80513	.00	305	8.1	13.5	338	10.3
21...	1302	80513	10.0	305	8.1	13.0	--	10.3
21...	1304	80513	20.0	305	8.1	12.5	--	10.3
21...	1306	80513	30.0	305	8.1	12.5	--	10.3
21...	1308	80513	40.0	305	8.1	12.5	--	10.3
21...	1310	80513	47.0	305	8.1	11.5	--	10.3
21...	1312	80513	50.0	305	8.1	10.5	--	10.2
21...	1314	80513	60.0	305	8.1	9.5	--	10.3
21...	1316	80513	70.0	305	8.1	9.0	--	10.2
21...	1318	80513	80.0	305	8.1	8.5	--	10.2
21...	1320	80513	90.0	305	8.0	8.5	--	10.1
21...	1322	80513	100	305	8.0	8.0	--	10.0
21...	1324	80513	110	305	7.9	7.0	--	10.0
21...	1326	80513	120	305	7.9	6.5	--	9.9
21...	1328	80513	130	305	7.9	6.5	--	9.9
21...	1330	80513	140	310	7.9	6.5	--	9.9
21...	1332	80513	150	310	7.9	6.5	--	9.8
21...	1335	80513	159	310	7.8	6.5	--	9.4

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY									
26...	0845	80513	80513	.00	160	295	8.5	23.0	9.2
26...	0848	80513	--	10.0	160	295	8.5	23.0	9.2
26...	0850	80513	--	14.0	160	295	8.5	22.0	10.1
26...	0852	80513	--	17.0	160	300	8.5	21.0	10.4
26...	0853	80513	--	20.0	160	300	8.4	20.0	10.2
26...	0854	80513	--	22.0	160	300	8.4	19.0	9.9
26...	0855	80513	80010	25.0	160	300	8.3	18.0	9.7
26...	0856	80513	--	27.0	160	300	8.3	17.0	9.6
26...	0858	80513	--	28.0	160	300	8.3	16.0	9.6
26...	0900	80513	--	30.0	160	300	8.3	15.0	9.5
26...	0902	80513	--	34.0	160	300	8.3	14.0	9.3
26...	0904	80513	--	37.0	160	300	8.3	13.0	9.3
26...	0906	80513	--	40.0	160	305	8.2	12.0	9.2
26...	0908	80513	--	50.0	160	305	8.2	11.0	9.0
26...	0910	80513	--	60.0	160	305	8.1	10.0	8.7
26...	0912	80513	--	70.0	160	305	8.1	9.5	8.7
26...	0913	80513	--	80.0	160	305	8.1	9.0	8.7
26...	0914	80513	--	90.0	160	305	8.1	8.5	8.7
26...	0915	80513	80010	100	160	305	8.0	8.5	8.4
26...	0916	80513	--	110	160	305	8.0	8.0	8.4
26...	0918	80513	--	120	160	305	8.0	7.5	8.4
26...	0920	80513	--	130	160	305	8.0	7.5	8.4
26...	0922	80513	--	140	160	305	8.0	7.0	7.9
26...	0924	80513	--	150	160	305	8.0	7.0	7.9
26...	0925	80513	--	160	160	310	8.0	7.0	7.6

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
MAY												
26...	0845	.00	160	--	--	336	--	0	--	--	--	--
26...	0855	25.0	160	5	<1.0	--	.9	--	.00	31	78	20
26...	0915	100	160	<1	<1.0	--	1.5	--	.00	31	78	21

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
MAY												
26...	0855	1.2	167	5.0	2.4	.20	.120	.08	.20	.40	1.8	<.010
26...	0915	1.3	171	5.0	2.4	.20	.070	.13	.20	.40	1.8	<.010

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY											
26...	0855	<.010	<10	1	10	2	10	<10	<.1	4	<10
26...	0915	<.010	10	1	10	2	<10	<10	<.1	<1	10

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
26...	0846	80513	80010	3.00	160	<.010	<.010	<.03	1.00	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN								
23...	1420	80513	.00	300	8.3	27.5	208	8.2
23...	1422	80513	10.0	300	8.3	26.5	--	8.3
23...	1424	80513	20.0	300	8.3	25.5	--	8.7
23...	1426	80513	22.0	300	8.3	24.5	--	8.9
23...	1428	80513	25.0	300	8.2	23.5	--	9.6
23...	1430	80513	26.0	305	8.2	22.5	--	10.0
23...	1432	80513	28.0	305	8.2	21.5	--	10.1
23...	1434	80513	30.0	310	8.2	20.5	--	9.9
23...	1436	80513	33.0	310	8.1	19.5	--	9.6
23...	1438	80513	35.0	310	8.0	18.5	--	9.2
23...	1440	80513	37.0	310	8.0	17.5	--	9.1
23...	1442	80513	40.0	310	8.0	17.0	--	8.7
23...	1444	80513	42.0	315	7.9	16.0	--	8.5
23...	1446	80513	44.0	315	7.9	15.0	--	8.5
23...	1448	80513	47.0	315	7.9	14.0	--	8.2
23...	1450	80513	50.0	315	7.8	13.0	--	8.0
23...	1452	80513	55.0	315	7.8	12.0	--	7.7
23...	1454	80513	60.0	315	7.7	11.0	--	7.6
23...	1456	80513	70.0	315	7.7	10.5	--	7.2
23...	1458	80513	80.0	315	7.7	9.5	--	7.0
23...	1500	80513	90.0	315	7.7	9.0	--	7.0
23...	1502	80513	100	315	7.7	8.5	--	7.0
23...	1504	80513	110	315	7.6	8.5	--	6.8
23...	1506	80513	120	320	7.6	8.0	--	6.6
23...	1508	80513	130	320	7.6	8.0	--	6.3
23...	1510	80513	140	320	7.5	7.5	--	6.1
23...	1512	80513	150	320	7.4	7.5	--	6.0
23...	1514	80513	160	320	7.4	7.5	--	5.2
23...	1515	80513	161	325	7.3	7.5	--	5.0

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL									
21...	1540	80513	--	.00	305	8.3	31.0	342	7.4
21...	1542	80513	--	10.0	305	8.5	30.0	--	9.2
21...	1544	80513	--	20.0	305	8.5	29.0	--	9.2
21...	1546	80513	--	22.0	320	8.5	28.0	--	12.2
21...	1548	80513	--	23.0	320	8.4	27.0	--	12.2
21...	1550	80513	--	25.0	320	8.5	26.0	--	13.0
21...	1552	80513	--	27.0	320	8.6	25.0	--	12.8
21...	1554	80513	--	29.0	320	8.6	24.0	--	12.4
21...	1556	80513	--	30.0	320	8.6	23.0	--	11.6
21...	1558	80513	--	35.0	340	8.5	22.0	--	10.2
21...	1600	80513	--	37.0	340	8.3	21.0	--	9.2
21...	1602	80513	--	38.0	340	8.3	20.0	--	9.0
21...	1604	80513	--	40.0	340	8.3	19.0	--	8.8
21...	1606	80513	--	42.0	340	8.3	18.0	--	7.9
21...	1608	80513	--	43.0	340	8.2	17.0	--	8.2
21...	1610	80513	--	45.0	340	8.1	16.0	--	8.1
21...	1612	80513	--	50.0	340	8.0	15.0	--	7.5
21...	1614	80513	--	55.0	340	8.0	14.0	--	7.1
21...	1616	80513	--	60.0	340	8.0	13.0	--	7.0
21...	1618	80513	--	65.0	340	7.9	12.0	--	6.4
21...	1620	80513	--	70.0	340	7.9	11.0	--	6.3
21...	1622	80513	--	80.0	340	7.8	10.0	--	6.1
21...	1624	80513	--	90.0	340	7.8	9.5	--	6.1
21...	1626	80513	--	100	340	7.8	9.0	--	6.0
21...	1628	80513	--	110	340	7.8	8.5	--	5.7
21...	1630	80513	--	120	340	7.7	8.5	--	5.2
21...	1632	80513	--	130	340	7.7	8.0	--	5.1
21...	1634	80513	--	140	350	7.6	8.0	--	4.8
21...	1636	80513	--	150	350	7.6	7.5	--	4.0
21...	1640	80513	--	157	350	7.6	7.5	--	3.5

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
21...	1541	80513	80010	3.00	157	.080	.080	.25	.600	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG									
25...	0820	80513	80513	.00	153	280	8.6	28.0	8.0
25...	0822	80513	--	10.0	153	280	8.4	28.0	7.9
25...	0824	80513	--	20.0	153	280	8.4	28.0	7.9
25...	0825	80513	80010	25.0	153	280	8.4	28.0	7.9
25...	0826	80513	--	30.0	153	280	8.4	28.0	7.9
25...	0828	80513	--	34.0	153	290	8.3	27.0	8.8
25...	0830	80513	--	35.0	153	305	8.2	25.5	10.7
25...	0832	80513	--	37.0	153	305	8.2	24.5	10.7
25...	0834	80513	--	40.0	153	305	8.3	23.5	9.6
25...	0836	80513	--	42.0	153	305	8.3	22.5	9.1
25...	0838	80513	--	44.0	153	305	8.2	21.5	7.9
25...	0840	80513	--	46.0	153	305	8.1	20.5	7.0
25...	0842	80513	--	50.0	153	305	8.0	19.5	6.4
25...	0844	80513	--	51.0	153	305	7.9	18.0	5.1
25...	0846	80513	--	53.0	153	305	7.8	17.0	4.8
25...	0848	80513	--	56.0	153	305	7.8	16.0	4.6
25...	0850	80513	--	60.0	153	305	7.8	15.0	4.6
25...	0852	80513	--	65.0	153	305	7.7	14.0	4.6
25...	0854	80513	--	70.0	153	305	7.7	13.0	4.3
25...	0856	80513	--	75.0	153	305	7.7	12.0	4.3
25...	0858	80513	--	80.0	153	305	7.7	11.0	4.1
25...	0859	80513	--	90.0	153	305	7.7	10.5	4.2
25...	0900	80513	80010	100	153	305	7.4	9.5	3.6
25...	0902	80513	--	110	153	310	7.4	9.0	3.2
25...	0904	80513	--	120	153	315	7.4	9.0	2.1
25...	0906	80513	--	130	153	320	7.3	8.5	1.8
25...	0908	80513	--	140	153	320	7.2	8.5	1.5
25...	0909	80513	--	150	153	320	7.4	8.0	.5
25...	0910	80513	--	153	153	320	7.3	8.0	.3

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
AUG												
25...	0820	.00	153	--	--	239	--	20	--	--	--	--
25...	0825	25.0	153	12	1.0	--	.4	--	.00	28	70	20
25...	0900	100	153	7	1.0	--	.5	--	.00	33	82	21

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
AUG									
25...	0825	1.4	154	5.0	2.7	<.10	<.010	.30	<.010
25...	0900	1.3	170	5.0	2.7	.34	<.010	<.10	<.010

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG											
25...	0825	<.010	40	2	10	5	10	<10	<.1	3	30
25...	0900	<.010	50	3	<10	3	10	20	<.1	2	50

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP									
22...	0830	80513	--	.00	280	8.1	24.5	197	7.8
22...	0834	80513	--	10.0	280	8.1	24.5	--	7.5
22...	0836	80513	--	20.0	280	8.3	24.5	--	7.4
22...	0838	80513	--	30.0	280	8.3	24.5	--	7.4
22...	0840	80513	--	40.0	280	8.3	24.5	--	7.4
22...	0842	80513	--	47.0	280	8.2	23.5	--	5.7
22...	0844	80513	--	48.0	295	7.9	22.5	--	4.0
22...	0846	80513	--	49.0	295	7.8	21.5	--	3.5
22...	0848	80513	--	50.0	300	7.8	20.5	--	3.1
22...	0850	80513	--	52.0	300	7.7	19.5	--	2.8
22...	0852	80513	--	55.0	300	7.7	18.5	--	2.3
22...	0854	80513	--	58.0	300	7.6	17.5	--	2.0
22...	0856	80513	--	60.0	300	7.6	16.5	--	2.1
22...	0858	80513	--	63.0	300	7.6	15.5	--	2.3
22...	0900	80513	--	65.0	300	7.6	14.5	--	2.5
22...	0902	80513	--	68.0	300	7.6	13.5	--	2.4
22...	0904	80513	--	70.0	300	7.6	13.0	--	2.6
22...	0906	80513	--	80.0	300	7.6	12.0	--	2.4
22...	0908	80513	--	85.0	300	7.6	11.0	--	2.5
22...	0910	80513	--	90.0	300	7.6	10.5	--	2.5
22...	0912	80513	--	100	300	7.6	10.0	--	2.1
22...	0914	80513	--	110	305	7.6	9.5	--	1.2
22...	0916	80513	--	120	305	7.5	9.0	--	.2
22...	0918	80513	--	130	315	7.5	9.0	--	.1
22...	0920	80513	--	140	315	7.5	9.0	--	.1
22...	0922	80513	--	150	315	7.5	8.5	--	.0
22...	0925	80513	--	156	325	7.1	8.5	--	.0

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP										
22...	0831	80513	80010	3.00	156	.040	<.010	.12	1.30	<.100

07060000 NORTH FORK RIVER AT NORFORK DAM, NEAR NORFORK, AR

LOCATION.--Lat 36°14'18", long 92°14'18", in SE 1/4 SW 1/4 sec.2, T.18 N., R.12 W., Baxter County, Hydrologic Unit 11010006, at Norfork Dam, 3.9 mi (6.3 km) northeast of Norfork, and at mile 4.8 (7.7 km).

DRAINAGE AREA.--1,808 mi^2 (4,693 km^2).

PERIOD OF RECORD.--Water years 1946-71, December 1973 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1967 to September 1971.

REMARKS.--Flow completely regulated by Norfork Reservoir.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
OCT 21...	1400	80513	80010	345	8.1	12.5	12.8	60	140
NOV 17...	1500	80513	80010	340	7.8	12.5	5.4	90	130
DEC 16...	0810	80513	80010	320	7.6	10.5	6.4	70	260

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC 16...	0810	<1	1.2	.6	0	170	.00	32	80	23	1.2

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
DEC 16...	0810	180	4.7	2.8	.07	.070	.19	.26	.33	1.5	.010	<.010

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC 16...	0810	30	1	10	4	70	<1	260	<.1	3	110

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN 27...	1150	80513	--	335	8.2	6.0	11.5
FEB 17...	1415	80513	--	335	8.2	5.0	13.2
MAR 22...	1220	80513	--	315	8.5	9.5	15.7
APR 21...	1230	80513	--	310	7.9	9.5	12.1
MAY 26...	0815	80513	80010	345	7.6	9.5	8.2

07060000 NORTH FORK RIVER AT NORFORK DAM, NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
MAY 26...	0815	<1	<1.0	1.2	20	180	.00	35	88	22	1.2

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
MAY 26...	0815	186	8.0	2.5	.10	.100	.10	.20	.30	1.3	.010	<.010

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 26...	0815	<10	2	10	2	30	2	30	<.1	1	10

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 23...	1400	80513	--	330	7.8	10.0	9.9
JUL 21...	1500	80513	--	350	7.8	6.0	10.0
AUG 25...	0750	80513	80010	340	7.7	11.0	6.8

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
AUG 25...	0750	6	1.3	.9	18	160	.00	31	78	20	1.4

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG 25...	0750	173	5.0	2.4	.34	.030	<.10	.100	<.010

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG 25...	0750	30	2	10	6	40	2	40	<.1	2	80

07060000 NORTH FORK RIVER AT NORFORK DAM, NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 22...	0750	80513	315	7.5	10.5	5.8

07060010 NORTH FORK RIVER AT NORFORK, AR

LOCATION.--Lat 36°12'48", long 92°16'54", in sec.20, T.18 N., R.12 W., Baxter County, Hydrologic Unit 11010006, at Rose Dock downstream from bridge on State Highway 5, 0.2 mi (0.3 km) upstream from mouth.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
20...	1545	9827	9827	20	8.4	22.0	14.0	1.0	13.8	133	5.2
DEC											
08...	1445	9827	9827	1970	8.1	14.0	12.0	1.0	9.6	89	1.1
JAN											
26...	1515	9827	9827	3220	8.4	5.0	6.0	1.9	--	--	1.8
FEB											
23...	1530	9827	9827	3550	8.3	28.0	7.0	2.2	12.6	103	1.4
MAR											
23...	1030	9827	9827	3860	8.3	9.0	7.0	2.0	11.9	98	1.9
APR											
20...	1400	9827	9827	60	8.5	18.0	14.0	.50	14.3	138	3.5
MAY											
11...	1415	9827	9827	3490	8.5	33.0	17.0	--	15.3	158	2.0
JUN											
08...	1400	9827	9827	6280	8.0	30.0	11.0	6.0	10.3	93	2.4
JUL											
06...	1400	9827	9827	1520	8.0	34.0	15.0	2.0	11.0	108	2.5
AUG											
10...	1400	9827	9827	20	8.4	34.0	17.0	.85	14.4	148	2.8
SEP											
07...	1400	9827	9827	3290	7.8	30.0	13.0	2.0	7.3	69	2.1
28...	1400	9827	9827	20	8.0	31.0	14.0	2.0	9.3	89	2.6

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
20...	4	196	<1.0	4.5	199	.27	2	.12	.020	.010	<.010
DEC											
08...	<4	186	5.0	--	183	.25	1	.06	.050	.020	<.010
JAN											
26...	4	186	6.0	5.0	175	.24	6	.10	.020	.020	<.010
FEB											
23...	<4	182	6.0	4.5	--	--	4	.07	.020	.010	<.010
MAR											
23...	8	204	6.0	2.5	196	.27	1	.08	.040	.010	.010
APR											
20...	<4	190	--	4.0	187	.25	1	.10	.040	<.010	<.010
MAY											
11...	<4	168	--	3.0	191	.26	<1	.05	.010	.010	<.010
JUN											
08...	12	176	8.0	9.0	187	.25	4	.24	.070	.010	.010
JUL											
06...	210	176	5.0	5.0	180	.24	8	.23	.040	<.010	<.010
AUG											
10...	<4	180	7.0	13	191	.26	<1	--	.020	.010	<.010
SEP											
07...	8	172	5.0	4.5	186	.25	2	.37	.030	--	<.010
28...	8	184	--	5.0	191	.26	2	.27	.050	.010	.010

07060010 NORTH FORK RIVER AT NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
20...	1545	<5	<1	1	--	--	--	<3
DEC								
08...	1445	<5	<1	1	13	--	<5	11
JAN								
26...	1515	<5	<1	<1	<10	--	<5	<3
FEB								
23...	1530	15	--	1	<10	--	<5	4
MAR								
23...	1030	<5	<1	<1	10	--	<5	13
APR								
20...	1400	10	<1	1	<10	--	<5	<3
MAY								
11...	1415	--	<1	<1	<10	--	<5	3
JUN								
08...	1400	--	<1	--	17	--	11	12
JUL								
06...	1400	<5	<1	--	14	<1.0	<5	18
AUG								
10...	1400	<5	<1	1	<10	--	<5	6
SEP								
07...	1400	<5	<1	<1	<10	--	<5	--
28...	1400	<5	<1	--	--	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
08...	1445	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB											
23...	1530	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
11...	1415	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
10...	1400	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07060500 WHITE RIVER AT CALICO ROCK, AR

LOCATION.--Lat 36°06'58", long 92°08'35", in SE 1/4 NE 1/4 sec.22, T.17 N., R.11 W., Izard County, Hydrologic Unit 11010004, on left bank at Calico Rock, 200 ft (61 m) upstream from bridge on State Highway 5,700 ft (213 m) upstream from Calico Creek, 3.2 mi (5.1 km) downstream from Cataract Creek, 6.0 mi (9.7 km) upstream from Piney Creek, and at mile 359.1 (577.8 km).

DRAINAGE AREA.--9,978 mi^2 (25,840 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to current year. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

REVISED RECORDS.--WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 316.38 ft (96.433 m) National Geodetic Vertical Datum of 1929. Prior to Jan. 26, 1940, nonrecording gage at same site and Jan. 27 to Aug. 13, 1940, nonrecording gage at site 500 ft (152 m) downstream, both at datum 2.07 ft (0.631 m) higher. Aug. 14, 1940, to Dec. 5, 1966, water-stage recorder at datum 1.00 ft (0.305 m) higher.

REMARKS.--Records good. Flow regulated since 1943 by Norfork Lake, capacity, 1,983,000 acre-ft (2.45 km^3), since July 24, 1951, by Bull Shoals Lake, 59.5 mi (95.7 km) upstream, capacity, 5,408,000 acre-ft (6.67 km^3), since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft (4.40 km^3), and since Dec. 26, 1963, by Beaver Lake, capacity, 1,951,500 acre-ft (2.41 km^3).

AVERAGE DISCHARGE.--43 years, 9,723 ft^3/s (275 m^3/s), 7,044,000 acre-ft/yr (8,690 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 310,000 ft^3/s (8,780 m^3/s) Apr. 16, 1945, gage height, 49.84 ft (15.191 m) present datum; minimum observed, 305 ft^3/s (8.64 m^3/s) Sept. 27, 1954; minimum daily, 310 ft^3/s (8.78 m^3/s) Sept 27, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1904, 52.9 ft (16.12 m) Jan. 31, 1916, present datum, from records of National Weather Service, discharge, 350,000 ft^3/s (9,910 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 62,000 ft^3/s (1,760 m^3/s) Feb. 1, gage height, 19.00 ft (5.791 m); minimum, 592 ft^3/s (16.8 m^3/s) Nov. 28, 29; minimum daily, 596 ft^3/s (16.9 m^3/s) Nov. 28.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5000	882	919	1080	46700	15100	7510	2130	2190	13900	3900	13000
2	1800	858	793	705	17100	13600	9770	2120	3710	13000	2900	13400
3	985	1350	1330	744	14000	7230	6980	2250	2440	12100	9220	13500
4	985	1000	1380	1080	9940	8500	6540	2260	3200	11600	12400	14000
5	1640	1350	1390	1370	9360	10300	5350	2560	3590	10200	13700	3640
6	3920	1390	1110	1870	7430	13100	13200	2060	5190	11000	7770	4710
7	1600	1010	1010	1570	5440	8350	8660	1870	4790	11700	3810	6450
8	1150	935	2010	3870	5520	8240	16400	1800	14000	3590	2080	5280
9	976	937	1890	1950	10100	9270	8780	2310	12900	3500	3290	4640
10	976	850	1810	2690	11700	11400	6090	2420	10900	4350	4490	2650
11	1100	808	1550	12900	11500	8420	7160	2980	10700	3110	3540	4410
12	1040	778	921	13100	13000	16600	2950	2640	6140	2760	3290	3040
13	1030	757	798	10800	14100	17500	3610	3460	5490	5350	4660	1930
14	1070	735	1240	3620	13000	7840	3280	4600	3400	3650	2980	5370
15	1040	714	1370	2110	14900	18900	2990	3880	3450	8270	4060	2050
16	1040	696	2070	1210	20500	25200	1950	2260	4950	11300	4750	3030
17	1000	732	1390	3140	26300	17800	1710	3160	8550	8630	4530	3620
18	736	684	1980	1390	20600	16700	1630	3550	7250	6850	6050	4250
19	720	740	2490	1820	23600	17400	2940	4100	11500	2960	5880	3580
20	688	762	1730	1400	18200	15700	7000	3920	13000	6180	8690	1470
21	648	2050	1670	1130	20000	14100	4090	3310	13500	10300	6280	2760
22	720	1210	1230	1750	24800	14600	6260	3990	11400	7030	3950	3100
23	967	688	811	1980	25300	16300	4200	2570	9530	5980	4180	2320
24	1090	793	1270	3900	25400	13900	4330	5160	12700	4810	5940	3060
25	744	634	678	3780	25200	14500	2770	13200	11900	1950	4460	3420
26	832	624	672	4900	20700	16300	3440	9040	13900	4750	4320	2240
27	1680	807	672	8090	15500	15900	4650	4170	12300	8570	5060	1180
28	2050	596	1410	2490	14600	13600	3280	4180	13900	4350	4260	3040
29	1200	600	1400	2300	---	4970	4260	3180	17200	3560	2340	2400
30	1680	788	1480	4240	---	9000	3730	2260	16100	5080	2270	1770
31	1080	---	1640	40700	---	9150	---	1880	---	4210	7030	---
TOTAL	41187	26758	42114	143679	484490	409470	165510	109270	269770	214590	162080	139310
MEAN	1329	892	1359	4635	17300	13210	5517	3525	8992	6922	5228	4644
MAX	5000	2050	2490	40700	46700	25200	16400	13200	17200	13900	13700	14000
MIN	648	596	672	705	5440	4970	1630	1800	2190	1950	2080	1180
AC-FT	81690	53070	83530	285000	961000	812200	328300	216700	535100	425600	321500	276300

CAL YR 1981 TOTAL 1140798 MEAN 3125 MAX 16500 MIN 596 AC-FT 2263000
WTR YR 1982 TOTAL 2208228 MEAN 6050 MAX 46700 MIN 596 AC-FT 4380000

07060500 WHITE RIVER AT CALICO ROCK, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1966 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1966 to current year.

INSTRUMENTATION.--Temperature recorder since October 1966.

REMARKS.--Flow regulated by upstream reservoirs.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT												
28...	1100	80513	80010	1310	340	8.3	13.5	10.2	97	2.1	K31	K30
DEC												
15...	1430	80513	80010	1990	327	--	6.0	13.8	110	1.1	260	70
FEB												
23...	1300	80513	80010	25600	275	8.1	6.5	11.2	91	2.1	K2	K8
MAY												
04...	1030	80513	80010	1840	303	8.1	14.5	9.9	96	1.3	48	22
JUN												
29...	1200	80513	80010	17300	272	8.0	12.5	9.3	87	6.3	44	39
AUG												
24...	1500	80513	80010	8380	--	7.8	19.0	8.3	89	1.7	K630	84

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
OCT											
28...	170	.00	38	18	2.7	.1	1.4	170	5.8	4.7	<.1
DEC											
15...	160	2.0	37	17	2.2	.1	1.3	160	6.0	3.5	<.1
FEB											
23...	130	.00	34	11	2.7	.1	1.7	130	5.6	5.1	<.1
MAY											
04...	160	6.0	36	16	1.9	.1	1.3	150	7.0	3.3	<.1
JUN											
29...	130	6.0	37	10	2.6	.1	1.4	128	8.0	6.2	<.1
AUG											
24...	160	4.0	36	18	2.1	.1	1.3	160	5.0	3.2	<.1

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)
OCT											
28...	--	--	--	<.010	<.010	--	.12	.12	.040	.070	.09
DEC											
15...	.07	.07	.30	.010	.010	.03	.08	.08	.040	.080	.10
FEB											
23...	--	--	--	<.010	<.010	--	.17	.21	.080	.100	.13
MAY											
04...	--	--	--	<.010	<.010	--	<.10	<.10	.020	.080	.10
JUN											
29...	.22	.20	.90	.010	.020	.07	.23	.22	.080	.070	.09
AUG											
24...	--	--	--	<.010	<.010	--	.23	.25	.050	.020	.03

07060500 WHITE RIVER AT CALICO ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN DISSOLVED (MG/L AS N) (00602)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)
OCT											
28...	.13	.06	.17	.04	.13	.29	.25	1.3	.010	.03	<.010
DEC											
15...	.21	.34	.25	.00	.42	.33	.50	1.5	.040	.12	.010
FEB											
23...	--	--	--	.00	--	--	.79	--	.030	.09	<.010
MAY											
04...	--	--	--	.00	--	--	--	--	.010	.03	.020
JUN											
29...	.22	.23	.30	.00	.30	.53	.52	2.3	.030	.09	<.010
AUG											
24...	--	--	--	--	--	--	.45	--	.040	.12	.040

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
OCT										
28...	1100	--	--	--	20	--	--	--	--	--
DEC										
15...	1430	1	--	--	30	<1	--	11	5	7
FEB										
23...	1300	--	--	--	<10	--	--	--	--	--
MAY										
04...	1030	--	--	--	<20	--	--	--	--	--
JUN										
29...	1200	--	1	38	20	--	1	<1	--	--
AUG										
24...	1500	--	--	--	140	--	--	--	--	--

DATE	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT										
28...	--	--	--	--	--	--	--	--	--	--
DEC										
15...	80	<1	--	30	.1	2	<1	--	--	100
FEB										
23...	--	--	--	--	--	--	--	--	--	--
MAY										
04...	--	--	--	--	--	--	--	--	--	--
JUN										
29...	--	--	<1	--	--	--	--	<1	<1	--
AUG										
24...	--	--	--	--	--	--	--	--	--	--

07060710 NORTH SYLAMORE CREEK NEAR FIFTY SIX, AR
(Hydrologic bench-mark station)

LOCATION.--Lat 35°59'30", long 92°12'50", in SW 1/4 NW 1/4 sec.25, T.16 N., R.12 W., Stone County, Hydrologic Unit 11010004, in right bank 30 ft (9 m) upstream from bridge on Ozark National Forest service road, 200 ft (61 m) downstream from Gunner Creek, 2.7 mi (4.3 km) north of Fifty Six, and 7.0 mi (11.3 km) upstream from South Sylamore Creek.

DRAINAGE AREA.--58.1 mi^2 (150.5 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1965 to current year.

REVISED RECORDS.--WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 434.99 ft (132.585 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--16 years, 45.9 ft^3/s (1.30 m^3/s), 10.73 in/yr (273 mm/yr), 33,250 acre-ft/yr (41.0 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,800 ft^3/s (504 m^3/s) Apr. 22, 1973, gage height, 17.61 ft (5.367 m), from floodmarks, from rating curve extended above 3,700 ft^3/s (105 m^3/s) on basis of step-backwater computations; minimum, 1.6 ft^3/s (0.045 m^3/s) Nov. 22, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,380 ft^3/s (124 m^3/s) Jan. 31 at 0100 hours, gage height, 9.71 ft (2.960 m), no other peak above base of 2,800 ft^3/s (79 m^3/s); minimum, 2.6 ft^3/s (0.074 m^3/s) Sept. 10-11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	6.6	13	4.3	183	21	18	52	11	32	9.0	3.6
2	3.6	7.4	9.4	9.0	97	20	17	40	11	31	7.4	3.2
3	3.9	7.2	7.2	24	73	19	15	31	13	23	6.0	3.2
4	4.6	6.6	6.0	35	49	18	15	26	16	20	5.5	3.2
5	5.2	6.0	5.2	24	37	17	14	23	17	18	5.5	3.1
6	5.5	5.5	5.0	18	29	16	14	21	14	16	5.2	3.1
7	5.7	5.5	5.0	13	25	15	14	23	12	15	5.2	2.9
8	5.7	5.2	4.8	12	25	14	32	20	11	15	4.8	2.8
9	6.3	5.2	4.6	11	37	14	45	18	10	16	4.6	2.8
10	6.3	5.0	4.3	9.4	36	14	32	16	11	15	4.6	2.6
11	6.6	4.8	4.3	8.3	30	14	26	15	12	13	4.3	2.6
12	6.6	5.2	4.6	8.0	28	14	23	14	12	13	4.1	2.8
13	7.4	4.3	4.3	8.0	24	14	22	13	11	12	7.2	2.9
14	8.0	4.6	4.3	8.0	26	203	20	18	10	12	9.0	2.9
15	8.3	4.6	4.3	8.3	41	313	19	35	11	11	7.4	3.1
16	11	4.6	4.3	8.0	746	145	19	42	22	11	6.0	2.9
17	13	4.6	4.1	7.4	378	88	20	54	25	11	5.2	2.9
18	15	5.0	4.1	7.2	145	70	18	32	17	11	4.1	2.9
19	12	4.3	3.9	7.4	88	53	17	23	13	11	3.9	2.9
20	8.6	4.6	3.9	8.0	60	44	17	19	11	10	3.9	2.9
21	7.7	4.6	3.9	8.3	46	38	16	19	10	10	3.6	2.9
22	12	4.6	4.6	52	35	35	15	23	9.8	10	3.6	2.9
23	16	4.6	5.7	83	30	30	14	17	9.4	10	3.4	2.8
24	13	4.6	5.5	48	25	30	14	15	10	10	3.4	2.8
25	11	4.8	5.0	27	20	25	15	19	12	10	3.4	3.1
26	11	4.8	4.8	19	19	24	37	19	23	10	3.4	2.9
27	12	4.6	4.6	16	19	22	70	16	187	9.8	3.9	3.2
28	11	4.6	4.6	14	20	20	49	14	187	10	5.7	3.4
29	6.3	4.6	4.3	14	---	20	72	13	85	11	5.0	3.4
30	6.0	8.6	4.3	891	---	20	72	12	46	22	4.1	2.9
31	5.5	---	4.3	1330	---	19	---	11	---	15	3.9	---
TOTAL	258.0	157.2	158.2	2740.6	2371	1409	791	713	849.2	443.8	156.3	89.6
MEAN	8.32	5.24	5.10	88.4	84.7	45.5	26.4	23.0	28.3	14.3	5.04	2.99
MAX	16	8.6	13	1330	746	313	72	54	187	32	9.0	3.6
MIN	3.2	4.3	3.9	4.3	19	14	14	11	9.4	9.8	3.4	2.6
CFSM	.14	.09	.09	1.52	1.46	.78	.45	.40	.49	.25	.09	.05
IN.	.17	.10	.10	1.75	1.52	.90	.51	.46	.54	.28	.10	.06
AC-FT	512	312	314	5440	4700	2790	1570	1410	1680	880	310	178

CAL YR 1981	TOTAL	6144.7	MEAN 16.8	MAX 341	MIN 3.0	CFSM .29	IN 3.93	AC-FT 12190			
WTR YR 1982	TOTAL	10136.9	MEAN 27.8	MAX 1330	MIN 2.6	CFSM .48	IN 6.49	AC-FT 20110			

07060710 NORTH SYLAMORE CREEK NEAR FIFTY SIX, AR--CONTINUED
(Hydrologic bench-mark station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT											
28...	0945	80513	80010	11	305	8.2	10.0	9.8	87	9	23
DEC											
15...	1330	80513	80010	4.8	300	7.8	8.0	12.1	102	1	27
JAN											
20...	1130	80513	80010	5.0	295	--	3.0	12.8	95	3	6
FEB											
23...	1130	80513	80010	30	235	8.2	11.0	9.5	86	2	8
MAR											
24...	1130	80513	80010	16	249	8.0	14.0	10.0	96	1	1
MAY											
04...	1200	80513	80010	24	--	--	16.0	9.8	99	3	10
26...	0830	80513	80010	13	286	8.1	18.5	8.3	88	21	68
JUN											
29...	1030	80513	80010	92	259	8.2	18.0	9.5	100	38	370
JUL											
22...	0940	80513	80010	9.6	--	8.0	22.0	6.8	77	K120	210
AUG											
24...	1330	80513	80010	3.3	--	8.2	28.0	5.0	76	K720	2

DATE	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT											
28...	150	.00	48	7.1	1.5	2	.1	1.0	160	4.9	2.5
DEC											
15...	150	.00	48	7.1	1.4	2	.1	.7	150	7.2	2.1
JAN											
20...	150	3.0	49	7.4	1.6	2	.1	.7	150	6.4	2.1
FEB											
23...	110	.00	36	4.8	.9	2	.0	.7	110	4.9	1.7
MAR											
24...	130	6.0	41	5.7	1.4	2	.1	.7	120	7.7	1.9
MAY											
04...	140	9.0	46	5.8	1.2	2	.0	.6	130	8.0	1.8
26...	140	24	47	5.6	1.2	2	.0	.8	116	6.0	1.5
JUN											
29...	140	6.0	46	5.6	1.3	2	.1	.7	132	6.0	2.1
JUL											
22...	150	3.0	48	6.7	1.4	2	.1	.6	144	5.0	1.9
AUG											
24...	140	.00	44	7.1	1.5	2	.1	.6	142	3.0	1.6

07060710 NORTH SYLAMORE CREEK NEAR FIFTY SIX, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)
OCT											
28...	<.1	7.2	169	168	.23	5.0	.08	.06	.090	.020	.03
DEC											
15...	<.1	5.5	182	162	.25	2.4	.06	.07	.020	.050	.06
JAN											
20...	<.1	5.8	166	163	.23	2.2	.10	.08	.110	.040	.05
FEB											
23...	<.1	5.6	139	121	.19	11.3	.14	.16	.040	.090	.12
MAR											
24...	<.1	5.6	141	136	.19	6.1	--	.17	--	--	--
MAY											
04...	<.1	6.5	--	148	.20	9.6	<.10	<.10	.030	.040	.05
26...	<.1	7.3	172	139	.23	6.0	<.10	<.10	.060	.060	.08
JUN											
29...	<.1	8.2	156	149	.21	39.0	<.10	<.10	.070	.060	.08
JUL											
22...	.2	9.6	163	160	.22	4.2	<.10	<.10	.020	.030	.04
AUG											
24...	<.1	9.2	143	152	.19	1.3	<.10	<.10	.040	.040	.05

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)
OCT											
28...	.23	.19	.32	.11	.21	.40	1.8	.27	.020	.06	<.010
DEC											
15...	.24	.16	.26	.05	.21	.32	1.4	.28	.010	.03	<.010
JAN											
20...	.29	.25	.40	.11	.29	.50	2.2	.37	.020	.06	<.010
FEB											
23...	3.0	.34	3.00	2.6	.43	3.1	14	.59	<.010	--	<.010
MAR											
24...	--	.45	--	.00	.52	--	--	.69	.010	.03	.030
MAY											
04...	--	--	1.40	1.2	.23	--	--	--	<.010	--	<.010
26...	--	--	--	--	--	--	--	--	<.010	--	<.010
JUN											
29...	.23	.14	.30	.10	.20	--	--	--	<.010	--	<.010
JUL											
22...	.38	.27	.40	.10	.30	--	--	--	.020	.06	.010
AUG											
24...	--	.06	<.10	--	.10	--	--	--	<.010	--	<.010

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC SUSPENDED TOTAL (UG/L AS AS) (01001)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM DISSOLVED (UG/L AS CD) (01025)
OCT										
28...	0945	1	0	1	100	80	20	<1	<1	1
MAY										
04...	1200	2	1	1	<100	--	25	<1	<3	<1

07060710 NORTH SYLAMORE CREEK NEAR FIFTY SIX, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT 28...	0945	10	<1	<3	18	<10	90	80	6	6
MAY 04...	1200	10	<1	<3	7	<10	80	70	11	2

DATE	TIME	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	SELENIUM, TOTAL (UG/L AS SE) (01147)
OCT 28...	0945	<10	<4	10	6	4	<.1	<.1	<10	<1
MAY 04...	1200	<10	<4	10	0	13	<.1	<.1	<10	<1

DATE	TIME	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT 28...	0945	<1	<1	1	40	<6.0	50	40	14
MAY 04...	1200	<1	<1	<1	35	<6.0	20	10	8

DATE	TIME	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)	CYANIDE TOTAL (MG/L AS CN) (00720)
OCT 28...	0945	--	1.5	--	<.01
DEC 15...	1330	.6	--	--	--
JAN 20...	1130	.9	--	--	--
FEB 23...	1130	1.0	--	--	--
MAR 24...	1130	2.3	--	--	--
MAY 04...	1200	--	6.6	.2	<.01
26...	0830	.8	--	--	--
JUN 29...	1030	2.4	--	--	--
JUL 22...	0940	1.2	--	--	--
AUG 24...	1330	1.3	--	--	--

07060710 NORTH SYLAMORE CREEK NEAR FIFTY SIX, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	CHLORDANE, TOTAL (UG/L) (39350)	DDD, TOTAL (UG/L) (39360)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIAZINON, TOTAL (UG/L) (39570)	DIELDRIN TOTAL (UG/L) (39380)	ENDOSULFAN, TOTAL (UG/L) (39388)
OCT 28...	0945	<.10	<.01	<.10	<.01	<.01	<.01	<.01	<.01	<.01
DEC 15...	1330	--	--	--	--	--	--	--	--	--
JAN 20...	1130	--	--	--	--	--	--	--	--	--
FEB 23...	1130	--	--	--	--	--	--	--	--	--
MAR 24...	1130	--	--	--	--	--	--	--	--	--
MAY 04...	1200	--	--	--	--	--	--	--	--	--
26...	0830	--	--	--	--	--	--	--	--	--
JUN 29...	1030	--	--	--	--	--	--	--	--	--
JUL 22...	0940	--	--	--	--	--	--	--	--	--
AUG 24...	1330	--	--	--	--	--	--	--	--	--

DATE	ENDRIN, TOTAL (UG/L) (39390)	ETHION, TOTAL (UG/L) (39398)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHYL PARATHION, TOTAL (UG/L) (39600)	METHYL TRITHION, TOTAL (UG/L) (39790)	MIREX, TOTAL (UG/L) (39755)
OCT 28...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
DEC 15...	--	--	--	--	--	--	--	--	--
JAN 20...	--	--	--	--	--	--	--	--	--
FEB 23...	--	--	--	--	--	--	--	--	--
MAR 24...	--	--	--	--	--	--	--	--	--
MAY 04...	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--
JUN 29...	--	--	--	--	--	--	--	--	--
JUL 22...	--	--	--	--	--	--	--	--	--
AUG 24...	--	--	--	--	--	--	--	--	--

DATE	PARATHION, TOTAL (UG/L) (39540)	PERTHANE TOTAL (UG/L) (39034)	TOXAPHENE, TOTAL (UG/L) (39400)	TOTAL TRITHION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
OCT 28...	<.01	<.01	<0	<.01	<.01	<.01	<.01	19	.56
DEC 15...	--	--	--	--	--	--	--	13	.17
JAN 20...	--	--	--	--	--	--	--	6	.08
FEB 23...	--	--	--	--	--	--	--	4	.32
MAR 24...	--	--	--	--	--	--	--	5	.22
MAY 04...	--	--	--	--	--	--	--	6	.39
26...	--	--	--	--	--	--	--	5	.18
JUN 29...	--	--	--	--	--	--	--	3	.75
JUL 22...	--	--	--	--	--	--	--	5	.13
AUG 24...	--	--	--	--	--	--	--	6	.05

07061105 WHITE RIVER AT OIL TROUGH, AR

LOCATION.--Lat 35°38'36", long 92°27'42", in NW 1/4 NE 1/4 sec.30, T.12 N., R.4 W., Independence County, Hydrologic Unit 11010004, at Oil Trough Ferry on State Highway 122, and 0.8 mi (1.3 km) north of Oil Trough.

DRAINAGE AREA.--11,234 mi^2 (29,096 km^2).

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

REMARKS.--Flow regulated by upstream reservoirs.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT											
06...	1620	9827	9827	8.2	22.0	21.0	3.0	9.1	101	1.6	16
NOV											
03...	1500	9827	9827	8.2	15.0	14.0	3.0	10.3	99	1.7	170
DEC											
08...	1450	9827	9827	8.4	16.0	10.5	--	12.6	112	1.2	4
JAN											
05...	1440	9827	9827	8.2	10.0	5.0	35	12.4	97	2.2	40
FEB											
23...	1420	9827	9827	8.2	25.0	9.0	9.8	12.3	106	1.7	<4
MAR											
09...	1730	9827	9827	8.1	12.0	8.0	3.5	12.0	101	.6	<4
APR											
20...	1710	9827	9827	8.1	19.0	18.0	7.0	10.3	108	1.7	16
MAY											
18...	1615	9827	9827	8.1	25.0	25.0	5.5	--	--	4.5	32
JUN											
08...	1610	9827	9827	8.3	--	--	15	10.0	--	2.3	<4
JUL											
06...	1600	9827	9827	7.8	31.0	21.0	6.0	9.4	104	2.4	16
AUG											
03...	1710	9827	9827	8.1	32.0	26.0	2.5	9.4	115	1.8	20
31...	1630	9827	9827	7.9	31.0	26.0	15	--	--	--	16
SEP											
28...	1530	9827	9827	8.1	29.0	21.0	30	9.9	110	.8	<4

DATE	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT										
06...	172	8.0	--	181	.25	4	.14	.030	.030	<.010
NOV										
03...	174	6.0	6.5	186	.25	6	.07	.030	.010	<.010
DEC										
08...	168	7.0	6.5	170	.23	3	--	.030	.040	.010
JAN										
05...	130	9.0	--	148	.20	25	.18	.030	.110	--
FEB										
23...	136	10	7.0	--	--	20	.18	.030	.060	<.010
MAR										
09...	160	6.0	5.5	182	.25	15	--	.030	.020	<.010
APR										
20...	154	11	4.5	162	.22	12	.23	.020	.040	<.010
MAY										
18...	144	8.0	5.0	165	.22	13	.14	.010	.040	<.010
JUN										
08...	150	10	5.5	160	.22	20	.07	.030	--	<.010
JUL										
06...	140	9.0	13	161	.22	19	.23	.070	.010	<.010
AUG										
03...	148	6.0	6.5	166	.23	8	--	.010	--	<.010
31...	170	11	6.5	187	.25	6	.29	.060	--	<.010
SEP										
28...	150	8.0	12	175	.24	4	.17	.040	.020	.010

07061105 WHITE RIVER AT OIL TROUGH, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	1620	--	<1	--	<10	--	11	--
NOV								
03...	1500	<5	14	<1	22	--	<5	--
DEC								
08...	1450	8	<1	<1	10	--	<5	8
JAN								
05...	1440	11	<1	<1	<10	--	--	8
FEB								
23...	1420	5	<1	1	<10	--	<5	37
MAR								
09...	1730	<5	<1	<1	<10	--	<5	21
APR								
20...	1710	<5	<1	<1	<10	--	<5	9
MAY								
18...	1615	--	<1	<1	<10	--	<5	<1
JUN								
08...	1610	<5	<1	--	<10	--	--	21
JUL								
06...	1600	<5	<1	2	<10	<1.0	<5	9
AUG								
03...	1710	<5	<1	<1	<10	--	<5	4
31...	1630	<5	<1	<1	<10	--	<5	<3
SEP								
28...	1530	<5	<1	<1	<10	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
08...	1450	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
09...	1730	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
08...	1610	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO

LOCATION.--Lat 37°08'12", long 90°46'23", in NW 1/4 sec.6, T.28 N., R.3 E., Wayne County, Hydrologic Unit 11010007, at log boom at dam on Black River, 2.3 mi (3.7 km) upstream from Brewer Bay, 4.5 mi (7.2 km) west of Piedmont, and at mile 257.4 (414.2 km).

DRAINAGE AREA.--898 mi^2 (2,326 km^2).

PERIOD OF RECORD.--October 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT								
21...	1500	80513	.00	257	8.1	19.0	30.0	7.6
21...	1505	80513	2.00	257	8.1	18.0	--	7.7
21...	1510	80513	3.00	257	8.1	17.0	--	7.7
21...	1515	80513	10.0	258	8.1	16.5	--	7.1
21...	1520	80513	20.0	258	8.2	16.5	--	6.9
21...	1525	80513	30.0	259	8.0	16.5	--	6.5
21...	1530	80513	33.0	--	--	16.0	--	6.4
NOV								
17...	1415	80513	.00	232	8.0	13.0	30.0	10.0
17...	1418	80513	10.0	229	8.1	13.0	--	10.3
17...	1420	80513	12.0	232	8.1	12.0	--	10.2
17...	1422	80513	20.0	235	8.0	11.5	--	9.6
17...	1424	80513	30.0	236	8.0	11.5	--	9.3
17...	1425	80513	33.0	236	7.9	11.5	--	9.0

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC									
17...	1250	80513	80513	.00	30	245	8.3	6.0	11.5
17...	1255	80513	80010	6.00	30	245	8.3	6.0	11.5
17...	1256	80513	--	10.0	30	245	8.2	6.0	11.4
17...	1258	80513	--	20.0	30	245	8.2	6.0	11.3
17...	1300	80513	80010	24.0	30	245	8.2	6.0	11.3
17...	1305	80513	--	30.0	30	245	8.2	6.0	11.2

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
DEC												
17...	1250	.00	30	--	--	36.0	--	0	--	--	--	--
17...	1255	6.00	30	1	4.0	--	1.2	--	5.0	23	58	14
17...	1300	24.0	30	<1	3.6	--	.7	--	8.0	24	60	14

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC												
17...	1255	.7	110	15	2.9	.24	.050	.31	.36	.60	2.7	.020
17...	1300	.7	110	15	3.3	.23	.040	.32	.36	.59	2.6	.020

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
17...	1255	<.010	150	1	10	5	240	30	<.1	<1	60
17...	1300	<.010	200	1	10	<1	240	30	<.1	<1	60

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN								
28...	0930	80513	.00	210	8.0	3.5	86.4	12.8
28...	0932	80513	10.0	210	8.0	3.5	--	12.8
28...	0936	80513	20.0	240	8.1	3.0	--	13.4
28...	0940	80513	28.0	245	8.2	3.0	--	13.5
MAR								
02...	1545	80513	.00	144	7.5	6.0	23.0	11.5
02...	1550	80513	10.0	138	7.5	5.5	--	11.5
02...	1555	80513	20.0	136	7.5	5.0	--	11.1
02...	1600	80513	30.0	136	7.5	5.0	--	11.0
02...	1605	80513	40.0	138	7.5	5.0	--	11.0
02...	1610	80513	46.0	138	7.5	5.0	--	10.9
18...	0930	80513	.00	200	8.2	14.0	32.4	11.5
18...	0940	80513	10.0	201	8.2	13.0	--	11.3
18...	0950	80513	17.0	197	8.1	12.0	--	11.3
18...	1000	80513	20.0	193	8.1	11.0	--	11.3
18...	1010	80513	25.0	193	8.1	10.0	--	11.1
18...	1020	80513	30.0	189	8.0	9.5	--	11.1
18...	1030	80513	35.0	187	--	8.5	--	11.0
APR								
20...	1500	80513	.00	295	8.2	16.0	54.0	9.2
20...	1502	80513	10.0	300	8.2	16.0	--	9.2
20...	1504	80513	20.0	300	8.2	16.0	--	9.1
20...	1506	80513	25.0	300	8.0	15.0	--	8.6
20...	1508	80513	27.0	300	7.9	15.0	--	7.4
20...	1510	80513	29.0	300	7.9	14.5	--	7.3
20...	1512	80513	30.0	300	7.8	14.5	--	5.5
20...	1515	80513	34.0	300	7.7	14.0	--	2.7

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY									
27...	1200	80513	80513	.00	35	210	8.0	24.0	8.4
27...	1205	80513	80010	7.00	35	210	8.0	23.5	8.5
27...	1206	80513	--	10.0	35	210	8.0	24.0	8.5
27...	1208	80513	--	16.0	35	210	8.0	23.0	8.5
27...	1210	80513	--	18.0	35	220	7.5	22.0	7.3
27...	1212	80513	--	20.0	35	220	7.4	21.0	6.9
27...	1213	80513	--	24.0	35	210	7.2	20.0	5.9
27...	1214	80513	--	26.0	35	200	7.2	19.0	5.0
27...	1215	80513	80010	28.0	35	200	7.1	18.0	4.5
27...	1218	80513	--	30.0	35	200	7.0	17.5	3.5
27...	1220	80513	--	35.0	35	200	7.0	16.5	3.0

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
MAY												
27...	1200	.00	35	--	--	116	--	0	--	--	--	--
27...	1205	7.00	35	3	<1.0	--	.7	--	18	26	65	13
27...	1215	28.0	35	<1	4.5	--	.7	--	20	27	68	12

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
MAY												
27...	1205	.8	100	11	2.0	.20	.040	.36	.40	.60	2.7	<.010
27...	1215	.9	97	11	1.9	.10	.070	.43	.50	.60	2.7	<.010

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAY											
27...	1205	<.010	<10	1	<10	3	80	10	<.1	1	10
27...	1215	<.010	160	1	<10	4	270	40	<.1	2	10

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY										
27...	1201	80513	80010	3.00	35	<.010	.080	<.03	2.30	<.100

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUN								
22...	1355	80513	.00	239	8.6	26.0	48.0	9.5
22...	1356	80513	10.0	237	8.6	26.0	--	7.7
22...	1358	80513	12.0	235	8.6	25.0	--	7.5
22...	1400	80513	13.0	235	8.7	24.0	--	7.0
22...	1402	80513	14.0	235	8.5	23.0	--	5.9
22...	1404	80513	15.0	235	8.4	22.0	--	5.7
22...	1406	80513	20.0	234	8.3	21.0	--	5.0
22...	1408	80513	24.0	234	8.3	19.5	--	2.6
22...	1410	80513	25.0	234	7.9	18.5	--	2.1
22...	1412	80513	30.0	234	7.7	18.0	--	1.6
22...	1415	80513	35.0	235	7.5	17.5	--	.9

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUL									
21...	1530	80513	--	.00	250	8.5	33.0	66.0	6.2
21...	1531	80513	80010	3.00	--	--	--	--	--
21...	1532	80513	--	6.00	245	8.5	32.0	--	5.8
21...	1534	80513	--	8.00	245	8.6	31.0	--	5.9
21...	1536	80513	--	10.0	245	8.6	30.5	--	5.9
21...	1538	80513	--	12.0	245	8.5	30.0	--	6.0
21...	1540	80513	--	15.0	250	8.3	29.0	--	6.1
21...	1542	80513	--	17.0	250	8.0	28.0	--	5.3
21...	1544	80513	--	20.0	250	7.8	27.0	--	3.8
21...	1546	80513	--	23.0	250	7.6	26.0	--	1.0
21...	1548	80513	--	25.0	255	7.5	25.0	--	1.0
21...	1550	80513	--	28.0	255	7.4	24.0	--	1.0
21...	1552	80513	--	30.0	260	7.4	23.0	--	1.0
21...	1554	80513	--	31.0	265	7.4	22.0	--	1.0
21...	1556	80513	--	32.0	370	7.4	21.0	--	1.0
21...	1558	80513	--	34.0	280	7.4	20.0	--	1.0
21...	1600	80513	--	36.0	290	7.4	19.5	--	1.0

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUL										
21...	1531	80513	80010	3.00	36	.020	<.010	.06	3.70	<.100

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG									
26...	0910	80513	80513	.00	44	225	8.4	26.0	8.0
26...	0915	80513	80010	9.00	44	225	8.3	26.0	8.0
26...	0916	80513	--	10.0	44	225	8.3	26.0	8.0
26...	0917	80513	--	15.0	44	225	7.7	25.0	6.0
26...	0918	80513	--	20.0	44	225	7.5	24.0	4.1
26...	0919	80513	--	30.0	44	215	7.4	23.0	3.7
26...	0920	80513	80010	35.0	44	205	7.3	22.5	2.7
26...	0922	80513	--	40.0	44	195	7.2	22.0	2.5
26...	0925	80513	--	44.0	44	200	7.2	21.0	.5

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
AUG												
26...	0910	.00	44	--	--	120	--	4	--	--	--	--
26...	0915	9.00	44	14	1.7	--	1.4	--	.00	25	62	12
26...	0920	35.0	44	17	8.6	--	2.2	--	4.0	23	58	11

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
AUG												
26...	0915	1.1	113	10	2.5	<.10	.030	.17	.20	--	--	.010
26...	0920	1.3	99	12	2.4	.21	.070	.33	.40	.61	2.7	.020

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG											
26...	0915	<.010	50	1	10	1	70	<10	<.1	1	10
26...	0920	<.010	200	1	10	1	200	50	<.1	2	10

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP									
21...	1300	80513	--	.00	205	7.9	23.0	84.0	6.2
21...	1305	80513	--	10.0	205	7.9	23.0	--	6.1
21...	1310	80513	--	20.0	205	7.9	23.0	--	6.0
21...	1315	80513	--	30.0	205	7.9	23.0	--	5.9
21...	1320	80513	--	33.0	192	7.5	22.0	--	.3
21...	1325	80513	--	40.0	148	7.5	21.5	--	3.0
21...	1330	80513	--	50.0	161	7.4	21.0	--	.9
21...	1335	80513	--	58.0	195	7.3	20.0	--	.1

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP										
21...	1301	80513	80010	3.00	58	.020	<.010	.06	3.20	1.50

07062010 BLACK RIVER AT CLEARWATER DAM, MO

LOCATION.--Lat 37°07'55", long 90°46'05", in NW 1/4 sec.6, T.28 N., R.3 E., Wayne County, Hydrologic Unit 11010007, at Clearwater Dam, 2.3 mi (3.7 km) upstream from Brewer Bay, 4.5 mi (7.2 km) west of Piedmont, and at mile 257.4 (414.2 km).

DRAINAGE AREA.--898 mi^2 (2,326 km^2).

PERIOD OF RECORD.--October 1978 to current year.

REMARKS.--Flow completely regulated by Clearwater Reservoir.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 21...	1600	80513	--	265	8.0	17.5	8.5
NOV 17...	1515	80513	--	233	8.0	12.0	9.5
DEC 17...	1210	80513	80010	245	8.3	6.0	12.4

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC 17...	1210	2	4.0	1.0	0	110	3.0	22	55	14	.8

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
DEC 17...	1210	110	15	3.2	.24	.050	.26	.31	.55	2.4	.020	<.010

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC 17...	1210	150	1	10	5	240	<1	50	<.1	<1	50

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN 28...	0850	80513	--	242	8.1	3.0	14.2
MAR 02...	1515	80513	--	134	7.6	5.5	13.2
18...	0900	80513	--	194	8.2	12.0	12.5
APR 20...	1530	80513	--	285	8.0	15.5	9.4
MAY 27...	1130	80513	80010	223	7.5	22.0	8.4

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
MAY 27...	1130	<1	2.4	.5	0	120	15	25	62	13	.9

07062010 BLACK RIVER AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
MAY 27...	1130	101	11	1.9	.10	.060	.14	.20	.30	1.3	.020	<.010

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 27...	1130	100	1	<10	4	170	4	40	<.1	2	<10

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 22...	1325	80513	--	225	8.2	24.0	7.6
JUL 21...	1645	80513	--	250	7.7	26.0	6.2
AUG 26...	0840	80513	80010	225	7.3	22.5	7.6

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
AUG 26...	0840	10	4.6	1.7	140	100	.00	23	58	11	1.3

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG 26...	0840	109	11	2.4	.19	.100	.20	.30	.49	2.2	.020	<.010

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG 26...	0840	150	1	10	2	170	1	110	<.1	3	20

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 21...	1220	80513	195	7.4	22.5	8.1

WHITE RIVER BASIN

07064000 BLACK RIVER NEAR CORNING, AR

LOCATION.--Lat 36°24'07", long 90°32'29", in SW 1/4 NE 1/4 sec.4, T.20 N., R.5 E., Clay County, Hydrologic Unit 11010007, near left bank on downstream side of bridge on U.S. Highway 62, 2.2 mi (3.5 km) east of Corning, 11.9 mi (19.1 km) downstream from Cane Creek, and at mile 152.2 (244.9 km).

DRAINAGE AREA.--1,749 mi^2 (4,530 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1938 to current year. Gage-height records collected January 1925 to December 1929 at site 7.0 mi (11.3 km) downstream are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 272.90 ft (83.180 m) above mean Gulf level (Corps of Engineers bench mark). Prior to Nov. 5, 1953, nonrecording gage, and Nov. 5, 1953, to Oct. 9, 1957, water-stage recorder, at site 30 ft (9 m) downstream at present datum.

REMARKS.--Records good. Some regulation since June 3, 1948, by Clearwater Lake (Missouri), 105 mi (169 km) upstream, capacity, 413,700 acre-ft (510 hm^3).

AVERAGE DISCHARGE.--44 years, 1,779 ft^3/s (50.4 m^3/s), 1,289,000 acre-ft/yr (1,590 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 48,600 ft^3/s (1,380 m^3/s) June 13, 1945; maximum gage height, 16.92 ft (5.157 m) June 13, 1945; minimum discharge, 224 ft^3/s (6.34 m^3/s) Sept. 22-27, 1941; minimum gage height observed, -0.52 ft (-0.158 m) Sept. 26, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 18, 1927, reached a stage of 14.4 ft (4.39 m), from records of Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum dicharge, 22,700 ft^3/s (643 m^3/s) Feb. 3, gage height, 13.94 ft (4.249 m); minimum, 319 ft^3/s (9.03 m^3/s) Oct. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	472	548	584	718	11200	4280	1460	1390	756	742	371	1830
2	431	517	638	714	18700	4220	1370	1550	758	670	364	1650
3	388	504	666	771	22300	4170	1400	1760	806	598	354	1640
4	372	526	664	1010	20600	4120	1360	1880	896	622	344	1720
5	366	614	682	1350	15500	4100	1310	1870	1020	672	334	1770
6	361	666	738	1520	11900	4120	1240	1830	1110	686	324	1660
7	362	746	833	1540	8990	4110	1190	1830	1150	680	326	1490
8	354	907	962	1500	5100	4030	1200	2020	1120	652	333	1370
9	333	1070	1030	1490	4220	3930	1280	2460	1080	606	356	1360
10	321	1240	984	1500	4070	3760	1380	2560	1070	602	393	1450
11	324	1380	863	1500	3840	3500	1500	2540	1050	666	416	1580
12	342	1490	708	1500	3390	3220	1610	2430	989	690	415	1700
13	360	1600	682	1400	3150	2950	1670	2230	918	654	429	1800
14	376	1700	738	1300	3000	2670	1640	1990	852	588	522	1860
15	386	1770	754	1200	3050	2490	1600	1730	782	533	676	1860
16	396	1770	734	1100	3370	2850	1590	1530	764	503	800	1940
17	409	1630	684	1000	4370	3520	1630	1380	791	487	995	1960
18	412	1400	636	1000	5970	3620	1820	1280	828	479	1760	1980
19	406	1200	602	1000	6510	3360	1910	1180	850	477	2100	1900
20	409	1080	576	1080	5650	3180	1870	1080	903	488	2090	1670
21	407	1000	554	1030	4740	3020	1730	998	982	504	1950	1400
22	406	905	550	1060	4190	2940	1590	956	998	511	1660	1210
23	409	802	622	2330	3970	2950	1480	921	965	511	1410	1090
24	409	720	868	3620	3940	2930	1430	874	965	493	1280	1040
25	413	660	969	9590	3980	2840	1450	855	1010	466	1240	1000
26	437	620	907	10100	4050	2670	1500	850	1030	439	1500	984
27	516	592	844	7950	4180	2430	1600	839	956	413	1870	1020
28	574	578	826	5940	4260	2140	1690	828	912	396	2040	1120
29	604	566	802	4650	---	1900	1630	835	903	383	2190	1210
30	602	566	769	4110	---	1710	1460	822	815	374	2180	1270
31	580	---	740	5100	---	1570	---	795	---	369	2050	---
TOTAL	12937	29367	23209	79673	198190	99300	45590	46093	28029	16954	33072	45534
MEAN	417	979	749	2570	7078	3203	1520	1487	934	547	1067	1518
MAX	604	1770	1030	10100	22300	4280	1910	2560	1150	742	2190	1980
MIN	321	504	550	714	3000	1570	1190	795	756	369	324	984
AC-FT	25660	58250	46040	158000	393100	197000	90430	91430	55600	33630	65600	90320

CAL YR 1981 TOTAL 350728 MEAN 961 MAX 3890 MIN 321 AC-FT 695700
WTR YR 1982 TOTAL 657948 MEAN 1803 MAX 22300 MIN 321 AC-FT 1305000

07064000 BLACK RIVER NEAR CORNING, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-60, 1966, October 1970 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1956 to September 1959.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
20...	1245	9827	9827	410	8.1	15.0	15.0	15	9.1	89	1.8
DEC											
08...	1115	9827	9827	962	8.0	9.0	8.0	15	11.1	93	2.0
JAN											
26...	1200	9827	9827	10300	7.8	-3.0	4.0	45	--	--	2.6
FEB											
23...	1230	9827	9827	3960	7.5	20.0	10.0	40	11.2	99	1.7
MAR											
23...	1600	9827	9827	2950	7.9	15.0	15.0	20	11.5	11	3.7
APR											
20...	0830	9827	9827	1890	7.5	17.0	16.0	85	--	--	1.7
MAY											
11...	0815	9827	9827	2540	7.5	19.0	18.0	--	8.3	87	.7
JUN											
08...	0830	9827	9827	1130	7.8	25.0	23.0	25	7.5	86	2.0
JUL											
06...	0745	9827	9827	688	7.7	28.0	28.0	30	7.9	100	4.0
AUG											
10...	0830	9827	9827	388	8.1	23.0	22.0	20	7.2	82	3.0
SEP											
07...	0830	9827	9827	1500	7.7	18.0	23.0	30	6.1	70	2.1
28...	0830	9827	9827	1100	7.9	15.0	18.0	30	9.5	100	2.6

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
20...	20	148	4.0	4.5	154	.21	21	.12	.030	.030	.020
DEC											
08...	28	132	14	--	140	.19	28	.17	.020	.050	.010
JAN											
26...	100	94	7.0	5.0	127	.17	45	.45	.050	.140	.040
FEB											
23...	8	64	12	5.0	--	--	24	.29	.050	.080	.010
MAR											
23...	8	86	9.0	3.0	112	.15	23	.14	.030	.080	.020
APR											
20...	--	96	--	4.0	134	.18	69	.25	.080	.180	.070
MAY											
11...	32	62	--	2.5	98	.13	22	.18	.050	.060	.010
JUN											
08...	56	118	17	5.0	144	.20	32	.19	.040	.020	.020
JUL											
06...	88	130	8.0	5.0	147	.20	38	.21	.040	.030	.010
AUG											
10...	16	150	13	12	176	.24	35	--	.050	.080	.020
SEP											
07...	4	84	8.0	4.5	124	.17	34	.21	.030	--	.040
28...	98	88	--	6.0	129	.18	30	.13	.090	.070	.010

WHITE RIVER BASIN

07064000 BLACK RIVER NEAR CORNING, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
20...	1245	<5	<1	<1	--	--	--	<3
DEC								
08...	1115	8	<1	6	23	--	<5	20
JAN								
26...	1200	<5	<1	3	<10	--	6	4
FEB								
23...	1230	20	--	3	10	--	<5	10
MAR								
23...	1600	8	<1	<1	<10	--	<5	14
APR								
20...	0830	<5	<1	6	17	--	<5	50
MAY								
11...	0815	--	<1	1	10	--	<5	8
JUN								
08...	0830	--	<1	--	15	--	47	14
JUL								
06...	0745	<5	<1	--	<10	<1.0	<5	8
AUG								
10...	0830	5	<1	4	<10	--	<5	18
SEP								
07...	0830	<5	<1	2	<10	--	<5	--
28...	0830	<5	<1	--	--	--	<5	22

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
MAR											
23...	1600	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
08...	0830	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
07...	0830	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07068850 CURRENT RIVER NEAR POCAHONTAS, AR

LOCATION.--Lat 36°17'55", long 90°51'30", in SE 1/4 SE 1/4 sec.10, T.19 N., R.2 E., Randolph County, Hydrologic Unit 11010008, at bridge on U.S. Highway 67, 5.5 mi (8.8 km) northeast of Pocahontas.

DRAINAGE AREA.--2,606 mi^2 (6,750 km^2).

PERIOD OF RECORD.--Water years 1955-58, October 1970 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
20...	1330	9827	9827	1110	8.2	15.0	15.0	2.6	9.8	96	1.8
DEC											
08...	1215	9827	9827	1760	8.3	10.0	9.0	3.0	11.4	98	1.6
JAN											
26...	1230	9827	9827	5240	7.1	-2.0	2.0	110	--	--	2.6
FEB											
23...	1145	9827	9827	7800	7.8	19.0	11.0	25	10.2	92	1.6
MAR											
23...	1520	9827	9827	5570	8.0	16.0	17.0	9.5	9.7	93	1.7
APR											
20...	0900	9827	9827	3400	7.5	17.0	15.0	15	--	--	1.3
MAY											
11...	0845	9827	9827	3720	7.9	19.0	19.0	--	8.6	91	1.7
JUN											
08...	0915	9827	9827	3060	7.9	26.0	22.0	25	9.0	102	2.4
JUL											
06...	0830	9827	9827	2240	8.0	28.0	26.0	15	8.8	107	3.3
AUG											
10...	0900	9827	9827	1450	8.1	23.0	22.0	5.5	8.0	95	1.1
SEP											
07...	0900	9827	9827	2980	7.9	19.0	22.0	5.5	8.7	99	1.4
28...	0900	9827	9827	1840	8.0	16.0	17.0	3.0	9.5	98	1.3

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
20...	8	186	<1.0	4.0	180	.24	7	.18	.020	<.010	.020
DEC											
08...	<4	174	5.0	--	177	.24	7	.25	.030	.020	<.010
JAN											
26...	100	30	9.0	5.0	114	.16	56	.50	.140	.280	.080
FEB											
23...	<4	100	6.0	4.5	--	--	49	.50	.030	.060	<.010
MAR											
23...	24	120	6.0	2.5	124	.17	23	.28	.030	.040	.010
APR											
20...	28	136	--	3.0	149	.20	22	.28	.040	.040	.010
MAY											
11...	8	120	--	2.5	137	.19	20	.19	.040	.040	<.010
JUN											
08...	28	134	8.0	7.0	157	.21	22	.32	.050	.010	.010
JUL											
06...	--	160	3.0	4.0	166	.23	22	.23	.050	.010	<.010
AUG											
10...	20	166	9.0	7.5	178	.24	14	--	.050	.010	.010
SEP											
07...	4	136	5.0	4.0	159	.22	16	.26	.020	--	.020
28...	8	160	--	5.0	169	.23	6	.15	.060	.030	.010

WHITE RIVER BASIN

07068850 CURRENT RIVER NEAR POCAHONTAS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
20...	1330	<5	<1	<1	--	--	--	<3
DEC								
08...	1215	<5	<1	2	10	--	5	13
JAN								
26...	1230	<5	<1	5	<10	--	<5	21
FEB								
23...	1145	<5	--	2	11	--	<5	8
MAR								
23...	1520	<5	<1	<1	14	--	<5	14
APR								
20...	0900	<5	<1	1	<10	--	<5	7
MAY								
11...	0845	--	<1	<1	<10	--	<5	5
JUN								
08...	0915	--	<1	--	14	--	<5	11
JUL								
06...	0830	<5	<1	--	<10	<1.0	<5	7
AUG								
10...	0900	<5	<1	<1	<10	--	<5	9
SEP								
07...	0900	<5	<1	<1	11	--	6	--
28...	0900	<5	<1	--	--	--	<5	8

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
MAR											
23...	1520	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
08...	0915	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
07...	0900	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07069000 BLACK RIVER AT POCAHONTAS, AR

LOCATION.--Lat 36°15'14", long 90°58'12", in SW 1/4 SW 1/4 sec.27, T.19 N., R.1 E., Randolph County, Hydrologic Unit 11010009, at gaging station near bank on downstream side of bridge on U.S. Highway 67 at Pocahontas, 1.6 mi (2.6 km) downstream from Fourche Creek, 6.1 mi (9.8 km) downstream from Current River, 18.1 mi (29.1 km) upstream from Spring River, and at mile 90.1 (145.0 km).

DRAINAGE AREA.--4,845 mi^2 (12,548 km^2).

PERIOD OF RECORD.--October 1965 to September 1966, October 1977 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
20...	1145	9827	9827	1430	8.2	13.0	15.0	8.5	9.4	92	2.7
DEC											
08...	1030	9827	9827	2310	8.1	7.0	9.0	7.0	11.1	96	.8
JAN											
26...	1130	9827	9827	10600	7.8	-3.0	3.0	55	--	--	1.2
FEB											
23...	1115	9827	9827	12800	7.6	17.0	10.0	30	8.9	79	2.5
MAR											
23...	1500	9827	9827	8950	7.8	16.0	15.0	15	8.1	79	1.2
APR											
20...	0930	9827	9827	6080	7.8	17.0	16.0	60	8.3	83	1.8
MAY											
11...	0915	9827	9827	6180	7.8	19.0	19.0	--	--	--	--
JUN											
08...	0935	9827	9827	4510	7.8	27.0	22.0	50	8.6	98	2.6
JUL											
06...	0900	9827	9827	2750	7.7	28.0	27.0	50	7.0	86	1.9
AUG											
10...	0930	9827	9827	1610	8.1	23.0	26.0	15	7.8	95	1.9
SEP											
07...	0930	9827	9827	4550	7.8	20.0	22.0	25	7.6	86	1.6
28...	0930	9827	9827	2730	8.0	16.0	18.0	2.3	8.7	92	1.1

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
20...	110	176	<1.0	5.0	176	.24	18	.17	.020	.020	<.010
DEC											
08...	16	164	6.0	--	169	.23	13	.23	.030	.030	<.010
JAN											
26...	32	84	9.0	5.0	120	.16	54	.46	.070	.150	.030
FEB											
23...	4	84	6.0	4.5	--	--	22	.35	.020	.050	.010
MAR											
23...	28	106	6.0	2.5	119	.16	13	.19	.050	.040	.010
APR											
20...	>240	130	--	4.0	151	.21	52	.25	.060	.090	.030
MAY											
11...	36	116	--	4.0	134	.18	28	.20	.040	.050	<.010
JUN											
08...	52	136	7.0	12	158	.21	84	.35	.060	.030	.010
JUL											
06...	<4	150	4.0	6.0	163	.22	102	.24	.060	.020	.010
AUG											
10...	56	164	7.0	16	181	.25	24	--	.020	.030	.010
SEP											
07...	8	116	4.0	4.5	145	.20	34	.25	.050	--	.020
28...	24	132	--	5.0	159	.22	31	.15	.070	.040	.020

07069000 BLACK RIVER AT POCAHONTAS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
20...	1145	<5	<1	2	--	--	--	<3
DEC								
08...	1030	7	<1	4	<10	--	<5	10
JAN								
26...	1130	<5	<1	1	<10	--	<5	5
FEB								
23...	1115	13	--	1	<10	--	8	7
MAR								
23...	1500	<5	<1	<1	<10	--	<5	12
APR								
20...	0930	6	<1	2	<10	--	<5	9
MAY								
11...	0915	--	<1	<1	<10	--	<5	3
JUN								
08...	0935	--	<1	--	16	--	<5	<3
JUL								
06...	0900	<5	<1	--	11	<1.0	<5	14
AUG								
10...	0930	<5	<1	3	<10	--	<5	94
SEP								
07...	0930	<5	<1	4	<10	--	<5	--
28...	0930	<5	<1	--	--	--	<5	10

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
08...	1030	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB											
23...	1115	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
20...	0930	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
06...	0900	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
28...	0930	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07069200 MAMMOTH SPRING AT MAMMOTH SPRING, AR

LOCATION.--Lat 36°29'53", long 91°32'08", in SE 1/4 SW 1/4 sec.5, T.21 N., R.5 W., Fulton County, Hydrologic Unit 11010010, at north bank of spring outlet pool, 0.25 mi (0.40 km) upstream from confluence of Mammoth Spring and Warm Fork at town of Mammoth Spring.

PERIOD OF RECORD.--Occasional low-flow measurements made beginning in 1924. February 1981 to current year.

GAGE.--Water-stage recorder. Datum of gage is 500.90 ft (152.674 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 507 ft^3/s (14.4 m^3/s) Jan. 31, 1982, gage height, 4.75 ft (1.448 m); minimum, 182 ft^3/s (5.15 m^3/s) Dec. 17-21, 28-31, 1981, Jan. 1-2, 1982, gage height, 3.74 ft (1.140 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 507 ft^3/s (14.4 m^3/s) Jan. 31, gage height, 4.75 ft (1.448 m); minimum, 182 ft^3/s (5.15 m^3/s) Dec. 17-21, 28-31, Jan. 1-2, gage height, 3.74 ft (1.140 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	195	188	192	182	471	405	355	408	312	340	277	251
2	195	192	192	185	463	401	347	408	311	339	275	263
3	195	195	192	191	454	397	345	406	308	336	274	279
4	195	195	190	206	444	391	344	401	305	335	274	273
5	195	195	190	207	436	387	341	395	305	331	271	267
6	193	195	188	208	430	382	336	390	303	326	271	262
7	193	194	188	204	424	378	335	390	301	323	268	259
8	193	193	188	203	418	372	335	387	299	320	268	257
9	193	193	188	201	413	368	335	381	299	333	265	254
10	193	193	186	199	408	364	332	377	322	330	265	254
11	193	192	186	199	403	360	328	375	339	325	263	251
12	191	190	186	197	398	356	321	365	342	321	262	250
13	189	190	186	197	392	352	318	358	347	317	262	248
14	189	190	186	195	387	353	318	355	350	315	260	250
15	190	190	184	195	386	382	318	353	350	311	261	251
16	190	190	184	191	398	394	318	353	352	308	262	249
17	191	190	183	190	428	399	322	348	372	306	260	248
18	190	190	182	190	435	400	328	346	372	305	257	245
19	190	190	182	190	436	400	331	342	368	302	256	245
20	189	190	182	190	436	397	338	342	368	299	254	243
21	188	188	184	188	435	395	339	342	364	296	254	243
22	189	188	185	245	431	391	339	339	361	295	254	240
23	192	188	185	314	429	387	337	335	358	292	251	240
24	193	187	184	313	425	384	334	332	354	292	251	240
25	193	186	184	302	421	379	332	329	353	289	249	240
26	191	186	184	293	417	375	365	327	350	286	251	240
27	190	186	184	284	413	368	403	328	347	286	252	240
28	190	186	183	277	409	364	407	323	343	284	262	238
29	190	186	182	271	---	362	408	320	340	283	259	237
30	188	188	182	341	---	358	408	318	337	280	256	235
31	188	---	183	492	---	357	---	315	---	278	254	---
TOTAL	5934	5704	5755	7240	11840	11758	10317	11088	10132	9583	8098	7492
MEAN	191	190	186	234	423	379	344	358	338	309	261	250
MAX	195	195	192	492	471	405	408	408	372	340	277	279
MIN	188	186	182	182	386	352	318	315	299	278	249	235
AC-FT	11770	11310	11420	14360	23480	23320	20460	21990	20100	19010	16060	14860

WTR YR 1982 TOTAL 104941 MEAN 288 MAX 492 MIN 182 AC-FT 208200

07069266 SPRING RIVER NEAR HARDY, AR

LOCATION.--Lat 36°20'00", long 91°30'30", in SW 1/4 SW 1/4 sec.34, T.20 N., R.5 W., Fulton County, Hydrologic Unit 11010010, at low-water bridge on county road, 1.8 mi (2.9 km) upstream from South Fork Spring River, and 2.2 mi (3.5 km) northwest of Hardy.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
20...	0930	9827	9827	235	8.2	6.0	13.0	2.2	9.2	87	1.6
DEC											
08...	0830	9827	9827	230	8.3	2.0	9.0	2.0	10.6	91	1.9
JAN											
26...	0900	9827	9827	492	8.2	-5.0	6.0	9.5	--	--	1.7
FEB											
23...	0900	9827	9827	1440	8.2	9.0	1.0	6.0	10.2	92	1.6
MAR											
23...	1230	9827	9827	740	8.4	13.0	13.0	3.5	11.8	111	3.5
APR											
20...	1130	9827	9827	530	8.2	17.0	15.0	3.0	10.8	--	1.9
MAY											
11...	1130	9827	9827	865	8.1	23.0	17.0	--	8.8	91	2.1
JUN											
08...	1145	9827	9827	390	8.1	31.0	22.0	9.0	8.7	99	1.4
JUL											
06...	1115	9827	9827	460	8.0	30.0	24.0	6.0	7.9	93	1.5
AUG											
10...	1200	9827	9827	320	8.1	29.0	22.0	2.5	8.4	95	2.1
SEP											
07...	1130	9827	9827	310	8.1	24.0	20.0	3.5	8.5	92	1.5
28...	1130	9827	9827	266	8.2	20.0	16.0	3.5	9.6	96	1.5

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
20...	4	248	<1.0	4.5	249	.34	4	.44	.030	<.010	<.010
DEC											
08...	<4	258	3.0	--	251	.34	5	.25	.030	.030	<.010
JAN											
26...	24	236	6.0	5.0	238	.32	17	.94	.050	.070	.010
FEB											
23...	24	220	4.0	7.0	--	--	8	>1.0	.010	.030	<.010
MAR											
23...	24	238	5.0	4.0	236	.32	5	.79	.040	.010	.010
APR											
20...	160	232	--	3.5	235	.32	8	.61	.040	.010	<.010
MAY											
11...	28	228	--	3.0	240	.33	9	.59	.040	.020	<.010
JUN											
08...	--	238	6.0	9.0	254	.35	10	.52	.070	<.010	.010
JUL											
06...	36	224	3.0	5.5	232	.32	12	.72	.060	.010	<.010
AUG											
10...	16	242	3.0	10	250	.34	6	--	.040	.010	.010
SEP											
07...	20	230	3.0	5.5	260	.35	7	.51	.040	--	.010
28...	38	--	--	--	253	.34	6	<.01	.060	.020	.020

07069266 SPRING RIVER NEAR HARDY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
20...	0930	<5	<1	6	--	--	--	<3
DEC								
08...	0830	<5	<1	1	<10	--	5	5
JAN								
26...	0900	<5	<1	<1	<10	--	<5	9
FEB								
23...	0900	<5	--	1	13	--	6	<3
MAR								
23...	1230	<5	<1	<1	<10	--	<5	10
APR								
20...	1130	8	--	1	<10	--	<5	9
MAY								
11...	1130	--	<1	<1	<10	--	<5	6
JUN								
08...	1145	--	<1	--	10	--	<5	19
JUL								
06...	1115	<5	<1	--	11	<1.0	<5	19
AUG								
10...	1200	<5	<1	<1	<10	--	<5	5
SEP								
07...	1130	<5	<1	<1	12	--	<5	--
28...	1130	<5	<1	--	--	--	<5	10

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN											
26...	0900	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
20...	1130	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
06...	1115	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
28...	1130	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07069295 SOUTH FORK SPRING RIVER AT SADDLE, AR

LOCATION.--Lat 36°21'00", long 91°38'00", in NW 1/4 NW 1/4 sec.33, T.20 N., R.6 W., Fulton County, Hydrologic Unit 11010010, at bridge on State Highway 289, 0.2 mi (0.3 km) southeast of Saddle.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
20...	0845	9827	9827	11	7.9	4.0	12.0	1.5	7.9	73	1.3
DEC											
08...	0800	9827	9827	8.0	8.2	.0	8.0	2.0	9.7	82	1.4
JAN											
26...	0830	9827	9827	120	7.9	7.0	1.0	35	--	--	5.5
FEB											
23...	0815	9827	9827	280	8.0	10.0	9.0	5.8	10.3	89	2.6
MAR											
23...	1145	9827	9827	111	8.3	13.0	14.0	3.0	11.4	110	3.7
APR											
20...	1230	9827	9827	67	8.1	17.0	18.0	4.5	10.7	--	3.6
MAY											
11...	1230	9827	9827	--	8.1	25.0	22.0	--	8.9	101	2.3
JUN											
08...	1215	9827	9827	51	8.0	31.0	25.0	8.0	8.6	102	3.0
JUL											
06...	1200	9827	9827	51	7.9	33.0	30.0	4.0	8.5	112	2.3
AUG											
10...	1230	9827	9827	12	8.0	29.0	27.0	7.8	9.2	114	1.3
SEP											
07...	1215	9827	9827	10	8.0	26.0	24.0	4.0	8.8	104	1.8
28...	1230	9827	9827	20	8.1	22.0	18.0	2.5	10.4	109	2.6

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
20...	130	244	<1.0	4.0	235	.32	2	.03	.010	<.010	<.010
DEC											
08...	88	250	4.0	--	253	.34	5	.06	.030	.020	<.010
JAN											
26...	190	136	9.0	6.5	168	.23	34	1.0	.100	.170	.040
FEB											
23...	140	168	5.0	6.5	--	--	7	>1.0	.010	.020	<.010
MAR											
23...	28	184	5.0	4.0	182	.25	4	.39	.040	.010	.010
APR											
20...	28	210	--	4.5	214	.29	11	.20	.050	.030	.010
MAY											
11...	20	198	--	3.0	207	.28	6	.17	.040	.010	<.010
JUN											
08...	420	212	6.0	16	227	.31	4	.16	.060	<.010	.010
JUL											
06...	46	200	3.0	5.0	201	.27	8	.14	.050	.010	<.010
AUG											
10...	110	218	3.0	8.0	224	.30	17	--	.020	.020	<.010
SEP											
07...	4	224	3.0	6.0	225	.31	12	.04	.030	--	<.010
28...	110	224	--	5.5	241	.33	3	.03	.050	.020	.010

07069295 SOUTH FORK SPRING RIVER AT SADDLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
20...	0845	<5	<1	3	--	--	--	4
DEC								
08...	0800	<5	<1	1	17	--	<5	13
JAN								
26...	0830	<5	<1	<1	150	--	<5	74
FEB								
23...	0815	<5	--	<1	25	--	<5	11
MAR								
23...	1145	<5	<1	<1	<10	--	<5	15
APR								
20...	1230	23	<1	1	13	--	<5	7
MAY								
11...	1230	--	<1	3	<10	--	<5	3
JUN								
08...	1215	--	<1	--	13	--	<5	8
JUL								
06...	1200	<5	<1	--	12	<1.0	<5	22
AUG								
10...	1230	<5	<1	<1	<10	--	<5	11
SEP								
07...	1215	<5	<1	<1	14	--	<5	--
28...	1230	<5	<1	--	--	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN											
26...	0830	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
20...	1230	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
06...	1200	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
28...	1230	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07069370 SPRING RIVER AT RAVENDEN, AR

LOCATION.--Lat 36°13'30", long 91°15'03", in SE 1/4 NW 1/4 sec.12, T.18 N., R.3 W., Lawrence County, Hydrologic Unit 11010010, at bridge on county road, 400 ft (122 m) upstream from Starling Creek, and 0.5 mi (0.8 km) south of Ravenden.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
20...	1000	9827	9827	311	8.3	9.0	14.0	3.5	9.2	88	1.3
DEC											
08...	0900	9827	9827	381	8.4	5.0	8.0	3.0	10.9	92	1.5
JAN											
26...	0945	9827	9827	1260	8.0	-4.0	4.0	60	--	--	2.8
FEB											
23...	0930	9827	9827	1700	8.2	12.0	11.0	3.5	10.3	93	1.5
MAR											
23...	1315	9827	9827	1230	8.4	14.0	14.0	3.5	10.9	105	1.2
APR											
20...	1100	9827	9827	1440	8.2	17.0	16.0	4.8	9.5	--	2.1
MAY											
11...	1045	9827	9827	1360	8.2	21.0	19.0	--	8.9	95	3.9
JUN											
08...	1115	9827	9827	693	8.2	30.0	23.0	10	9.6	110	2.3
JUL											
06...	1030	9827	9827	672	8.1	30.0	27.0	5.2	7.9	97	1.9
AUG											
10...	1100	9827	9827	443	8.2	27.0	25.0	4.2	7.8	93	1.7
SEP											
07...	1100	9827	9827	457	8.1	24.0	23.0	5.0	8.2	94	1.5
28...	1100	9827	9827	--	8.2	19.0	17.0	3.7	9.2	95	1.2

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
20...	24	248	<1.0	32	249	.34	6	.28	.020	<.010	.010
DEC											
08...	4	258	4.0	--	251	.34	8	.12	.020	.030	.010
JAN											
26...	150	182	8.0	5.0	206	.28	52	.75	.080	.190	.060
FEB											
23...	30	218	5.0	6.5	--	--	18	.96	.010	.030	<.010
MAR											
23...	4	234	6.0	4.0	222	.30	6	.50	.030	.020	.010
APR											
20...	92	222	--	3.5	230	.31	20	.32	.030	.020	.010
MAY											
11...	<4	224	--	2.5	236	.32	12	.03	.030	.020	<.010
JUN											
08...	8	240	6.0	13	253	.34	12	.42	.050	.010	.010
JUL											
06...	48	220	3.0	5.5	229	.31	13	.46	.040	.010	<.010
AUG											
10...	32	244	3.0	11	246	.33	12	--	.020	.010	<.010
SEP											
07...	8	212	3.0	90	227	.31	10	.36	.030	--	.010
28...	20	236	--	6.0	250	.34	6	.18	.060	.030	.010

07069370 SPRING RIVER AT RAVENDEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
20...	1000	<5	<1	<1	--	--	--	<3
DEC								
08...	0900	<5	<1	1	<10	--	<5	11
JAN								
26...	0945	<5	<1	2	10	--	<5	11
FEB								
23...	0930	<5	--	1	14	--	6	9
MAR								
23...	1315	<5	<1	<1	<10	--	<5	13
APR								
20...	1100	<5	<1	2	<10	--	<5	10
MAY								
11...	1045	--	<1	<1	10	--	<5	7
JUN								
08...	1115	--	<1	--	11	--	7	11
JUL								
06...	1030	<5	<1	--	<10	<1.0	<5	11
AUG								
10...	1100	<5	<1	<1	<10	--	<5	8
SEP								
07...	1100	<5	<1	<1	17	--	<5	--
28...	1100	<5	<1	--	--	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
MAR											
23...	1315	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
08...	1115	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
07...	1100	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07069500 SPRING RIVER AT IMBODEN, AR

LOCATION.--Lat 36°12'19", long 91°10'19", in SE 1/4 NE 1/4 sec.15, T.18 N., R.2 W., Randolph County, Hydrologic Unit 11010010, near left bank on downstream side of bridge on U.S. Highway 62 at Imboden, 1.8 mi (2.9 km) upstream from Harding Creek, 3.9 mi (6.3 km) downstream from Janes Creek, 8.2 mi (13.2 km) upstream from Eleven Point River, and at mile 12.1 (19.5 km).

DRAINAGE AREA.--1,183 mi^2 (3,064 km^2).

PERIOD OF RECORD.--February 1936 to current year.

REVISED RECORDS.--WSP 1147: 1937-39, 1942-43, 1945. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 254.07 ft (77.441 m) National Geodetic Vertical Datum of 1929. Prior to July 17, 1937, nonrecording gage at site 200 ft (61 m) downstream at present datum. July 17, 1937, to Feb. 8, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--46 years, 1,343 ft^3/s (38.0 m^3/s), 15.42 in/yr (392 mm/yr), 973,000 acre-ft/yr (1,200 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 82,700 ft^3/s (2,340 m^3/s) Mar. 28, 1977, gage height, 28.78 ft (8.772 m), minimum daily, 215 ft^3/s (6.09 m^3/s) Aug. 1, 1936.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1915 reached a stage of about 32.1 ft (9.78 m), from information by Corps of Engineers, discharge, about 125,000 ft^3/s (3,540 m^3/s).

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 9,000 ft^3/s (255 m^3/s) and maximim (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 23	0245	10,300	292	15.32	4.670
Jan. 31	1015	*44,600	1,260	24.36	7.425

Minimum discharge, 268 ft^3/s (7.59 m^3/s) Oct. 2, gage height, 2.23 ft (0.680 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	272	351	410	350	14100	1290	952	2100	757	859	528	433
2	269	759	430	408	4490	1240	950	1890	730	838	505	450
3	270	1610	415	798	3340	1230	960	1720	770	835	492	812
4	288	1200	391	1270	2770	1190	895	1600	779	755	481	584
5	313	785	390	1010	2290	1130	889	1500	756	709	470	509
6	291	639	389	838	2050	1100	863	1420	738	674	462	477
7	282	615	387	727	1830	1060	833	2710	718	655	472	458
8	281	555	382	640	1740	1020	909	1950	691	781	466	442
9	276	520	368	598	2160	998	923	1610	668	2660	455	435
10	279	490	354	559	1940	977	875	1460	784	1810	445	426
11	283	465	349	545	1740	964	850	1350	1070	1050	439	420
12	287	445	353	525	1670	947	829	1260	1100	879	438	430
13	298	430	350	510	1570	935	820	1190	1080	785	450	426
14	319	420	352	495	1510	1010	797	1160	959	733	464	433
15	326	410	348	480	1650	4380	787	1180	934	696	501	454
16	342	385	345	465	2290	3050	800	1120	1170	648	1660	438
17	333	375	343	450	4720	2360	1810	1060	1530	735	599	429
18	356	365	333	440	4000	2020	1400	1010	1300	680	512	421
19	320	349	331	430	2730	1790	1230	984	1080	624	479	414
20	309	339	331	430	2280	1660	1440	959	968	596	457	411
21	309	333	340	445	2040	1530	1260	931	895	579	446	403
22	331	334	367	3050	1830	1410	1160	908	847	562	434	399
23	399	338	420	6900	1700	1340	1090	872	808	545	433	398
24	355	337	384	2430	1600	1280	1040	839	789	538	428	399
25	344	340	374	1580	1490	1220	1010	848	790	529	429	395
26	415	340	370	1260	1410	1150	4200	842	817	520	425	393
27	429	340	367	1080	1390	1100	6540	868	791	513	434	391
28	389	340	363	962	1340	1060	3360	981	929	531	468	388
29	368	345	354	955	---	1030	2680	914	964	521	459	387
30	354	380	349	2450	---	995	2410	841	940	538	450	383
31	344	---	350	34300	---	981	---	797	---	542	445	---
TOTAL	10031	14934	11389	67380	73670	43447	44562	38874	27152	23920	15626	13238
MEAN	324	498	367	2174	2631	1402	1485	1254	905	772	504	441
MAX	429	1610	430	34300	14100	4380	6540	2710	1530	2660	1660	812
MIN	269	333	331	350	1340	935	787	797	668	513	425	383
CFSM	.27	.42	.31	1.84	2.22	1.19	1.26	1.06	.77	.65	.43	.37
IN.	.32	.47	.36	2.12	2.32	1.37	1.40	1.22	.85	.75	.49	.42
AC-FT	19900	29620	22590	133600	146100	86180	88390	77110	53860	47450	30990	26260

CAL YR 1981 TOTAL 171437 MEAN 470 MAX 1610 MIN 269 CFSM .40 IN 5.39 AC-FT 340000
WTR YR 1982 TOTAL 384223 MEAN 1053 MAX 34300 MIN 269 CFSM .89 IN 12.08 AC-FT 762100

07072000 ELEVEN POINT RIVER NEAR RAVENDEN SPRINGS, AR

LOCATION.--Lat 36°20'48", long 91°06'48", in SE 1/4 SE 1/4 sec.30, T.20 N., R.1 W., Randolph County, Hydrologic Unit 11010010, on left bank at downstream side of bridge on State Highway 90, 0.9 mi (1.4 km) downstream from Hincha Creek, 1.9 mi (3.1 km) upstream from Eassis Creek, 6.6 mi (10.6 km) northeast of Ravenden Springs, and at mile 21.2 (34.1 km).

DRAINAGE AREA.--1,134 mi^2 (2,937 km^2).

PERIOD OF RECORD.--October 1929 to September 1933, October 1935 to current year. Prior to October 1949, published as "near Elevenpoint." Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 877: 1930-33, 1936-38. WSP 977: 1933, 1937-39, 1942. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 291.98 ft (88.996 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 21, 1938, nonrecording gage at present site at datum 0.04 ft (0.012 m) higher. Nov. 21 to Dec. 11, 1938, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--51 years, 1,109 ft^3/s (31.4 m^3/s), 13.28 in/yr (337 mm/yr), 803,500 acre-ft/yr (991 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,600 ft^3/s (1,060 m^3/s) Nov. 17, 1958, gage height, 20.83 ft (6.349 m), from rating curve extended above 23,000 ft^3/s (651 m^3/s); minimum observed, 226 ft^3/s (6.40 m^3/s) Sept. 9, 1936, gage height, 2.13 ft (0.649 m), present datum.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 6,000 ft^3/s (170 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 23	0030	6,620	187	11.42	3.481
Jan. 31	1515	*20,300	575	17.61	5.368

Minimum discharge, 293 ft^3/s (8.30 m^3/s) Oct. 1, 2, 3, 4, 8, 9, gage height, 2.64 ft (0.805 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	296	323	387	329	12600	1210	949	1540	826	1080	576	525
2	295	475	397	384	4730	1170	942	1450	820	909	567	1060
3	293	1530	393	547	3220	1150	936	1370	832	876	561	1230
4	312	1130	377	967	2620	1130	924	1300	826	855	552	838
5	309	814	365	808	2250	1090	936	1240	814	823	542	712
6	300	659	359	748	2000	1060	924	1200	796	800	542	653
7	297	574	354	671	1810	1040	899	2210	778	880	558	613
8	296	528	356	602	1720	1020	911	1530	766	940	536	585
9	297	495	347	556	1860	992	893	1330	754	1150	536	569
10	297	469	338	521	1670	980	868	1240	918	2640	525	552
11	297	449	333	493	1550	973	856	1170	980	1320	520	542
12	298	434	333	481	1490	955	844	1120	924	1040	531	542
13	302	422	329	472	1410	949	838	1080	899	912	542	536
14	315	411	329	457	1360	1020	832	1060	911	845	574	525
15	320	401	329	448	1420	2230	820	1060	899	793	930	547
16	307	395	324	433	1700	1790	832	1020	942	754	850	549
17	314	385	324	418	2270	1660	1050	986	1030	730	730	531
18	321	378	315	408	2920	1520	1050	961	1030	712	642	520
19	307	374	315	408	2270	1430	1060	1060	973	694	596	510
20	302	365	315	428	1990	1370	1120	1040	936	682	574	504
21	302	358	324	423	1840	1290	1040	998	899	660	552	494
22	320	353	347	2940	1710	1220	998	973	868	647	542	489
23	334	352	361	3760	1600	1170	967	942	844	633	542	484
24	327	349	353	1760	1520	1140	948	918	850	624	536	484
25	331	344	352	1320	1420	1100	948	924	905	616	547	478
26	369	343	352	1130	1340	1060	1930	924	880	606	531	473
27	344	340	347	1010	1300	1030	2520	936	967	601	563	468
28	328	334	342	930	1250	1000	2020	905	1050	641	580	468
29	323	330	338	914	---	980	1760	886	1360	659	574	463
30	320	366	329	1870	---	973	1630	862	930	595	547	458
31	317	---	329	17400	---	967	---	844	---	586	531	---
TOTAL	9690	14480	10693	44036	64840	36669	33245	35079	27207	26303	18029	17402
MEAN	313	483	345	1421	2316	1183	1108	1132	907	848	582	580
MAX	369	1530	397	17400	12600	2230	2520	2210	1360	2640	930	1230
MIN	293	323	315	329	1250	949	820	844	754	586	520	458
CFSM	.28	.43	.30	1.25	2.04	1.04	.98	1.00	.80	.75	.51	.51
IN.	.32	.48	.35	1.44	2.13	1.20	1.09	1.15	.89	.86	.59	.57
AC-FT	19220	28720	21210	87350	128600	72730	65940	69580	53970	52170	35760	34520

CAL YR 1981	TOTAL	158840	MEAN 435	MAX 1530	MIN 293	CFSM .38	IN 5.21	AC-FT 315100		
WTR YR 1982	TOTAL	337673	MEAN 925	MAX 17400	MIN 293	CFSM .82	IN 11.08	AC-FT 669800		

07072100 ELEVEN POINT RIVER NEAR POCAHONTAS, AR

LOCATION.--Lat 36°14'13", long 91°05'05", in NW 1/4 SE 1/4 sec.33. T.19 N., R.1 W., Randolph County, Hydrologic Unit 11010011, at bridge on U.S. Highway 62, 6.0 mi (10.0 km) west of Pocahontas.

DRAINAGE AREA.--1,192 mi^2 (3,087 km^2).

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
20...	1130	9827	9827	317	8.2	13.0	14.0	3.4	9.3	89	1.7
DEC											
08...	1015	9827	9827	374	8.3	7.0	9.0	3.0	10.9	94	1.8
JAN											
26...	1100	9827	9827	1190	8.1	-3.0	6.0	15	--	--	2.2
FEB											
23...	1045	9827	9827	1680	8.0	18.0	11.0	7.4	10.1	91	1.5
MAR											
23...	1430	9827	9827	1230	8.2	14.0	14.0	3.0	10.9	105	1.2
APR											
20...	1000	9827	9827	1180	8.0	18.0	13.0	5.2	9.1	--	.6
MAY											
11...	0945	9827	9827	1230	8.0	19.0	18.0	--	8.5	89	2.2
JUN											
08...	1000	9827	9827	804	8.0	27.0	22.0	10	8.1	92	1.6
JUL											
06...	0915	9827	9827	840	7.9	29.0	24.0	10	7.5	88	1.5
AUG											
10...	1000	9827	9827	556	8.1	23.0	24.0	4.0	8.0	94	1.7
SEP											
07...	1000	9827	9827	644	8.1	20.0	20.0	7.5	8.1	88	.8
28...	1000	9827	9827	491	8.2	17.0	16.0	3.8	9.8	98	1.5

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
20...	28	220	<1.0	4.0	216	.29	8	.26	.020	<.010	<.010
DEC											
08...	4	228	3.0	--	225	.31	12	.23	.030	.020	<.010
JAN											
26...	8	178	5.0	4.0	183	.25	26	.65	.020	.050	<.010
FEB											
23...	16	156	4.0	5.0	--	--	22	.88	.020	.030	<.010
MAR											
23...	16	178	5.0	2.5	178	.24	9	.61	.030	.010	.010
APR											
20...	<4	180	--	3.5	195	.27	10	.48	.020	.010	<.010
MAY											
11...	48	172	--	2.5	192	.26	14	.41	.030	.020	<.010
JUN											
08...	28	194	6.0	11	200	.27	14	.43	.060	.010	.010
JUL											
06...	56	196	3.0	4.0	200	.27	20	.45	.050	.010	<.010
AUG											
10...	56	208	2.0	11	212	.29	10	--	.040	.010	.010
SEP											
07...	24	204	4.0	4.5	215	.29	21	.35	.040	--	.010
28...	28	216	--	6.0	221	.30	9	.24	.050	.030	.010

07072100 ELEVEN POINT RIVER NEAR POCAHONTAS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
20...	1130	<5	<1	<1	--	--	--	<3
DEC								
08...	1015	<5	<1	2	37	--	5	25
JAN								
26...	1100	<5	<1	<1	24	--	<5	7
FEB								
23...	1045	<5	--	1	14	6.0	<5	--
MAR								
23...	1430	<5	<1	<1	<10	--	<5	13
APR								
20...	1000	<5	<1	<1	<10	--	<5	8
MAY								
11...	0945	--	<1	<1	<10	--	<5	6
JUN								
08...	1000	--	<1	--	<10	--	<5	6
JUL								
06...	0915	<5	<1	--	11	<1.0	<5	13
AUG								
10...	1000	<5	<1	<1	<10	--	<5	8
SEP								
07...	1000	<5	<1	<1	<10	--	5	--
28...	1000	<5	<1	--	--	--	<5	4

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
MAR											
23...	1430	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
08...	1000	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
07...	1000	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07072500 BLACK RIVER AT BLACK ROCK, AR

LOCATION.--Lat 36°06'15", long 91°05'50", in NW 1/4 sec.21, T.17 N., R.1 W., Lawrence County, Hydrologic Unit 11010009, on right bank 900 ft (274 m) downstream from St. Louis-San Francisco Railway bridge at Black Rock, 3.7 mi (6.0 km) downstream from Spring River, and at mile 69.3 (109.8 km).

DRAINAGE AREA.--7,369 mi^2 (19,090 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1929 to September 1931, October 1939 to current year. Gage-height records collected since 1904 in same vicinity are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: 1930-31. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 229.56 ft (69.970 m) National Geodetic Vertical Datum of 1929. Prior to Aug. 1, 1946, nonrecording gage at site 900 ft (274 m) upstream at same datum. Aug. 1, 1946, to Aug. 17, 1978, nonrecording gage at site 650 ft (198 m) upstream at same datum.

REMARKS.--Records good. Flow slightly regulated since June 3, 1948, by Clearwater Lake (Missouri), 189 mi (304 km) upstream, capacity, 413,700 acre-ft (510 hm^3).

AVERAGE DISCHARGE.--45 years, 8,322 ft^3/s (236 m^3/s), 6,029,000 acre-ft/yr (7,430 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 109,000 ft^3/s (3,090 m^3/s) Mar. 29, 1977; maximum gage height, 29.24 ft (8.912 m) Apr. 24, 1973; minimum daily discharge, 1,730 ft^3/s (49.1 m^3/s) in September, October, and November 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 21, 1915, reached a stage of 31.9 ft (9.72 m), from records of National Weather Service, discharge, 160,000 ft^3/s (4,530 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 56,600 ft^3/s (1,600 m^3/s) Feb. 1, gage height, 24.92 ft (7.596 m); minimum daily, 2,140 ft^3/s (60.6 m^3/s) Oct. 12, 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2290	2730	3240	3410	54100	13100	7730	12600	6360	5890	3010	8110
2	2260	2920	3310	3400	43900	12200	7590	11400	6930	5880	2950	7440
3	2230	5400	3400	4130	37300	11400	7880	10400	6560	5500	2900	8050
4	2230	5960	3620	5670	39400	10900	7530	9580	6070	5050	2860	7730
5	2260	5530	3750	6250	42600	10400	7180	8990	5750	4690	2810	7050
6	2230	6520	3720	6170	41900	10000	6930	8500	5480	4410	2780	6580
7	2200	6810	3610	6180	39500	9740	6610	10700	5490	4200	2790	6180
8	2180	6230	3520	6090	36700	9470	6410	11800	6090	4430	2820	5760
9	2170	5430	3460	5830	34100	9190	6280	11000	6120	5310	2820	5500
10	2160	4850	3400	5510	30300	8990	6010	10100	6350	7030	2800	5250
11	2150	4480	3390	5170	26600	8790	5860	9550	7210	5930	2790	5020
12	2140	4250	3380	4990	24000	8650	5780	9070	7540	4920	2790	4850
13	2140	4100	3350	4890	22100	8500	5680	8580	7910	4500	2830	4720
14	2160	4010	3300	4700	20500	8500	5580	8120	7700	4230	3070	4650
15	2170	3950	3230	4540	19100	11800	5630	7800	7190	4020	3660	4630
16	2200	3930	3200	4420	18500	14200	5980	7590	6980	3840	6670	5470
17	2230	3880	3170	4130	18900	14100	7010	7320	7280	3700	9520	6680
18	2280	3870	3130	4110	19700	13900	7730	7050	7280	3640	11700	6750
19	2280	3850	3080	3980	19300	13700	7550	6790	6850	3490	12600	6220
20	2280	3810	3060	3850	18900	13500	8360	6640	6510	3410	12900	5800
21	2300	3730	3060	3940	18800	13300	8450	6430	6100	3350	12000	5470
22	2340	3610	3120	6410	18600	12900	8010	6420	5740	3290	10300	5220
23	2410	3510	3410	17300	18200	12400	7540	6900	5450	3230	8650	4950
24	2430	3420	3510	17600	17600	11800	7150	6520	5190	3180	8010	4660
25	2470	3340	3510	16300	16800	11100	6840	6040	5050	3180	7790	4640
26	2690	3260	3600	15100	15900	10400	10700	5840	5050	3160	7150	4450
27	2910	3170	3700	13900	15000	9710	17100	5710	5010	3100	6840	4180
28	2840	3100	3710	12700	14100	9130	16900	5840	5410	3100	6870	4060
29	2770	3050	3640	12100	---	8660	15100	5760	6430	3270	7120	4010
30	2730	3080	3550	13200	---	8310	13800	5450	6510	3160	8300	3880
31	2720	---	3490	30400	---	8010	---	5340	---	3060	8680	---
TOTAL	72850	125780	105620	256370	742400	336750	246900	249830	189590	129150	188780	167960
MEAN	2350	4193	3407	8270	26510	10860	8230	8059	6320	4166	6090	5599
MAX	2910	6810	3750	30400	54100	14200	17100	12600	7910	7030	12900	8110
MIN	2140	2730	3060	3400	14100	8010	5580	5340	5010	3060	2780	3880
AC-FT	144500	249500	209500	508500	1473000	667900	489700	495500	376100	256200	374400	333100

CAL YR 1981 TOTAL 1378230 MEAN 3776 MAX 10400 MIN 2140 AC-FT 2734000
WTR YR 1982 TOTAL 2811980 MEAN 7704 MAX 54100 MIN 2140 AC-FT 5578000

07072500 BLACK RIVER AT BLACK ROCK, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1946, 1953, October 1967 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1945 to September 1946, October 1952 to September 1953.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
OCT 22...	1130	80513	80010	2230	350	7.6	15.0	8.3	81	.9	K63
FEB 25...	1030	80513	80010	17100	202	7.8	10.0	10.5	93	2.0	K40
APR 21...	1015	80513	80010	8470	284	8.1	16.0	8.6	87	1.6	K220
JUN 23...	1315	80513	80010	6400	330	8.2	24.5	7.0	83	.6	K27
AUG 26...	0900	80513	80010	7190	234	7.7	24.5	7.9	93	1.5	K230

DATE	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT 22...	80	190	.00	38	22	2.6	.1	1.1	190	4.3	2.8
FEB 25...	110	98	5.0	21	11	1.7	.1	1.5	93	4.5	2.9
APR 21...	480	150	12	31	18	2.5	.1	1.2	140	6.0	2.9
JUN 23...	K64	92	.00	33	2.4	19	.9	6.3	158	6.0	3.0
AUG 26...	230	120	8.0	25	14	2.3	.1	1.8	112	4.0	2.4

DATE	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)
OCT 22...	<.1	--	--	--	<.010	<.010	--	.19	.19	.040	.05
FEB 25...	<.1	--	--	--	--	--	--	--	--	--	--
APR 21...	<.1	.23	.31	1.4	.020	.010	.03	.25	.32	.110	.14
JUN 23...	.2	--	--	--	<.010	<.010	--	.23	.17	--	--
AUG 26...	.1	.23	--	--	.010	<.010	--	.24	.23	.060	.08

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	BORON, DISSOLVED (UG/L AS B) (01020)
OCT 22...	.20	.27	.25	.00	.31	.44	1.9	.50	.040	.12	<10
FEB 25...	--	--	--	--	--	--	--	--	.150	.46	<10
APR 21...	.09	--	.16	--	<.10	.41	1.8	--	.060	.18	<20
JUN 23...	--	--	--	--	--	--	--	.97	--	.15	910
AUG 26...	1.1	.14	1.20	1.0	.20	1.4	6.4	.43	.330	1.0	50

07073500 PINEY FORK AT EVENING SHADE, AR

LOCATION.--Lat 36°04'50", long 91°36'39", in SE 1/4 NE 1/4 sec.34, T.17 N., R.6 W., Sharp County, Hydrologic Unit 11010012, on right bank, 20 ft (6 m) upstream from bridge on U.S. Highway 167, 0.8 mi (1.3 km) north of Evening Shade, and at mile 5.8 (9.3 km).

DRAINAGE AREA.--99.2 mi^2 (256.9 km^2).

PERIOD OF RECORD.--February 1939 to current year. Prior to October 1962, published as "Piney Fork Strawberry River at Evening Shade."

REVISED RECORDS.--WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 420.62 ft (128.205 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 5, 1945, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years, 88.9 ft^3/s (2.52 m^3/s), 12.17 in/yr (309 mm/yr), 64,400 acre-ft/yr (79.4 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,500 ft^3/s (496 m^3/s) Jan. 24, 1949, gage height, 23.42 ft (7.138 m), from rating curve extended above 11,000 ft^3/s (312 m^3/s); no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,770 ft^3/s (135 m^3/s) Jan. 31 at 0830 hours, gage height, 13.07 ft (3.984 m), no other peak above base of 2,000 ft^3/s (57 m^3/s); minimum, 0.95 ft^3/s (0.027 m^3/s) Oct. 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	5.4	6.9	7.8	465	64	41	134	18	21	6.2	2.6
2	1.2	6.2	6.4	8.9	272	60	41	112	17	18	5.0	6.3
3	1.2	6.0	7.6	18	257	58	42	94	21	14	5.4	5.7
4	1.2	5.4	7.8	24	192	56	37	82	21	12	5.0	5.6
5	1.1	4.5	7.1	22	148	54	36	72	20	9.5	4.8	5.9
6	1.4	4.5	6.4	18	117	52	34	71	17	8.0	6.2	6.6
7	1.3	4.3	6.6	16	95	52	34	93	15	7.5	9.2	6.7
8	1.2	4.0	7.6	15	105	49	53	71	13	6.6	12	6.3
9	1.4	3.9	7.8	13	204	46	63	60	12	5.9	11	6.1
10	1.3	3.9	7.6	12	136	45	48	55	15	5.1	9.8	6.0
11	1.2	3.9	7.8	10	109	57	50	48	13	4.5	11	5.8
12	1.5	4.3	7.8	11	105	43	41	44	14	4.0	12	6.1
13	1.4	3.1	7.6	10	91	41	39	40	14	3.7	12	7.7
14	1.7	3.5	7.6	9.8	96	119	37	42	12	3.1	12	6.6
15	2.2	3.6	7.1	9.8	162	545	35	50	11	3.3	11	4.0
16	2.2	4.2	5.8	9.2	294	251	37	47	25	3.7	10	10
17	2.3	5.0	5.8	8.4	428	174	55	39	17	3.9	9.2	8.4
18	4.7	4.8	5.8	7.6	240	138	52	35	13	4.3	8.1	6.6
19	4.2	4.7	5.4	8.1	175	119	46	33	11	4.6	7.1	6.0
20	3.7	5.6	5.4	8.6	144	104	45	31	9.4	5.3	6.2	5.4
21	3.0	6.0	6.0	8.9	122	87	40	29	8.6	7.0	5.8	4.5
22	4.2	6.6	7.1	169	104	76	37	27	9.7	9.0	5.4	4.7
23	6.2	7.1	8.1	280	92	70	35	26	11	9.7	4.3	4.6
24	6.2	7.1	6.4	81	83	65	33	25	37	7.2	3.7	4.5
25	5.8	6.4	5.6	55	73	61	36	27	23	7.7	3.3	4.0
26	6.9	5.8	6.4	45	68	55	182	26	30	8.9	3.1	4.4
27	6.6	4.8	7.8	40	71	52	229	23	24	9.8	3.2	4.5
28	6.0	4.2	7.3	36	70	49	127	23	248	8.2	3.7	4.1
29	5.6	3.6	7.6	33	---	46	194	21	44	7.5	3.6	4.0
30	4.8	5.8	7.1	223	---	45	182	20	27	6.6	3.6	3.3
31	4.3	---	7.3	2950	---	44	---	19	---	6.6	2.9	---
TOTAL	97.4	148.2	214.6	4168.1	4518	2777	1961	1519	770.7	236.2	215.8	167.0
MEAN	3.14	4.94	6.92	134	161	89.6	65.4	49.0	25.7	7.62	6.96	5.57
MAX	6.9	7.1	8.1	2950	465	545	229	134	248	21	12	10
MIN	1.1	3.1	5.4	7.6	68	41	33	19	8.6	3.1	2.9	2.6
CFSM	.03	.05	.07	1.35	1.62	.90	.66	.49	.26	.08	.07	.06
IN.	.04	.06	.08	1.56	1.69	1.04	.74	.57	.29	.09	.08	.06
AC-FT	193	294	426	8270	8960	5510	3890	3010	1530	469	428	331

CAL YR 1981 TOTAL 9454.50 MEAN 25.9 MAX 963 MIN .80 CFSM .26 IN 3.55 AC-FT 18750
WTR YR 1982 TOTAL 16793.00 MEAN 46.0 MAX 2950 MIN 1.1 CFSM .46 IN 6.30 AC-FT 33310

07074000 STRAWBERRY RIVER NEAR POUGHKEEPSIE, AR

LOCATION.--Lat 36°06'37", long 91°26'59", in SE 1/4 NW 1/4 sec.19, T.17 N., R.4 W., Sharp County, Hydrologic Unit 11010012, on right bank on downstream side of bridge on State Highway 58, 0.5 mi (0.8 km) downstream from Hurricane Creek, 2.5 mi (4.0 km) northeast of Poughkeepsie, and at mile 35.9 (57.8 km).

DRAINAGE AREA.--473 mi^2 (1,225 km^2).

PERIOD OF RECORD.--February 1936 to current year.

REVISED RECORDS.--WSP 877: 1938. WSP 1211: 1938-39. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 298.07 ft (90.852 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark.) Prior to Dec. 10, 1938, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--46 years, 500 ft^3/s (14.2 m^3/s), 14.36 in/yr (365 mm/yr), 362,200 acre-ft/yr (447 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 52,000 ft^3/s (1,470 m^3/s) Jan. 24, 1949, gage height, 29.30 ft (8.931 m), from rating curve extended above 27,000 ft^3/s (765 m^3/s) on basis of slope-area measurement of peak flow; minimum observed, 31 ft^3/s (0.88 m^3/s) Oct. 4, 1938.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,900 ft^3/s (422 m^3/s) Jan. 31 at 0500 hours, gage height, 18.61 ft (5.672 m), no other peak above base of 7,000 ft^3/s (198 m^3/s); minimum, 43 ft^3/s (1.22 m^3/s) Oct. 1, 2, 3, gage height, 1.25 ft (0.381 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	74	106	68	5400	378	261	859	125	265	85	61
2	43	166	105	96	2400	354	261	723	119	212	80	63
3	44	165	95	228	2000	339	267	627	135	175	80	66
4	50	145	90	346	1700	330	246	555	139	155	74	61
5	56	128	85	260	1300	308	241	499	134	142	69	58
6	53	112	80	223	1200	305	231	467	127	128	65	53
7	51	103	78	188	1100	290	222	825	120	179	65	49
8	57	96	74	164	1100	278	293	543	116	163	62	52
9	53	91	72	148	1080	265	357	418	111	134	62	52
10	62	86	68	133	858	255	325	357	125	123	59	47
11	54	83	68	130	678	260	298	319	116	119	58	49
12	60	80	67	120	626	253	281	288	117	108	60	53
13	66	84	66	120	570	243	267	264	133	100	63	52
14	74	76	67	115	555	464	256	253	126	97	66	52
15	66	72	65	110	770	2510	249	277	115	93	67	63
16	72	70	65	105	1260	1400	256	264	162	88	68	68
17	70	67	63	105	2370	1000	378	237	151	85	64	59
18	83	69	60	100	1400	794	416	218	148	82	60	52
19	69	69	58	100	1020	673	363	206	137	80	57	47
20	69	66	58	100	838	599	340	196	120	80	55	46
21	65	63	60	100	718	527	313	185	112	75	57	45
22	69	63	82	1120	606	460	291	177	105	78	53	47
23	82	63	102	2180	540	419	273	167	103	80	50	48
24	78	62	89	734	492	392	262	160	124	77	49	46
25	78	62	84	468	447	369	258	166	267	72	50	46
26	87	63	80	363	411	339	1760	163	182	69	49	46
27	89	61	78	305	411	319	2060	156	163	69	55	47
28	87	61	78	268	399	301	1110	152	385	191	63	46
29	84	69	73	262	---	290	1080	146	394	115	60	46
30	80	88	69	1200	---	281	1110	139	297	90	59	45
31	74	---	69	13000	---	271	---	132	---	98	64	---
TOTAL	2069	2557	2354	22959	32249	15266	14325	10138	4708	3622	1928	1565
MEAN	66.7	85.2	75.9	741	1152	492	478	327	157	117	62.2	52.2
MAX	89	166	106	13000	5400	2510	2060	859	394	265	85	68
MIN	43	61	58	68	399	243	222	132	103	69	49	45
CFSM	.14	.18	.16	1.57	2.44	1.04	1.01	.69	.33	.25	.13	.11
IN.	.16	.20	.19	1.81	2.54	1.20	1.13	.80	.37	.28	.15	.12
AC-FT	4100	5070	4670	45540	63970	30280	28410	20110	9340	7180	3820	3100

CAL YR 1981	TOTAL	57764	MEAN 158	MAX 2520	MIN 43	CFSM .33	IN 4.54	AC-FT	114600	
WTR YR 1982	TOTAL	113740	MEAN 312	MAX 13000	MIN 43	CFSM .66	IN 8.95	AC-FT	225600	

07074100 STRAWBERRY RIVER NEAR SMITHVILLE, AR

LOCATION.--Lat 36°01'40", long 91°19'31", in NW 1/4 SE 1/4 sec.17, T.16 N., R.3 W., Lawrence County, Hydrologic Unit 11010012, at bridge on State Highway 115, 2.0 mi (3.2 km) upstream from Reeds Creek, and Cooper Creek, and 3.9 mi (6.3 km) southwest of Smithville.

DRAINAGE AREA.--539 mi^2 (1,396 km^2).

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
20...	1045	9827	9827	79	8.2	12.0	14.0	4.5	9.1	88	.9
DEC											
08...	0930	9827	9827	84	8.2	7.0	5.0	5.0	11.4	89	.3
JAN											
26...	1030	9827	9827	414	8.0	-3.0	3.0	40	--	--	1.7
FEB											
23...	1015	9827	9827	616	8.2	16.0	11.0	25	10.4	94	.9
MAR											
23...	1400	9827	9827	478	8.2	16.0	14.0	6.0	10.0	96	1.0
APR											
20...	1030	9827	9827	388	8.1	18.0	16.0	7.0	9.4	--	1.2
MAY											
11...	1015	9827	9827	364	8.1	21.0	20.0	--	8.4	91	1.0
JUN											
08...	1030	9827	9827	132	8.1	30.0	25.0	15	9.1	108	2.0
JUL											
06...	1000	9827	9827	146	7.9	30.0	28.0	20	8.2	104	2.4
AUG											
10...	1030	9827	9827	67	8.1	25.0	26.0	8.2	7.4	90	1.4
SEP											
07...	1030	9827	9827	56	8.0	23.0	23.0	7.0	7.8	90	1.4
28...	1030	9827	9827	52	8.1	18.0	18.0	4.8	8.8	93	1.1

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
20...	52	224	1.0	4.0	223	.30	8	.07	.020	.010	<.010
DEC											
08...	12	246	7.0	--	247	.34	15	.07	.030	.030	<.010
JAN											
26...	230	166	10	5.5	185	.25	50	.86	.060	.090	.010
FEB											
23...	34	180	7.0	7.5	--	--	34	.83	.020	.040	<.010
MAR											
23...	36	206	6.0	5.0	200	.27	14	.44	.050	.070	.040
APR											
20...	72	208	--	4.0	209	.28	21	.19	.200	.410	.350
MAY											
11...	92	210	--	3.0	220	.30	22	.28	.050	.040	<.010
JUN											
08...	34	226	8.0	12	237	.32	18	.31	.070	.020	.030
JUL											
06...	80	200	4.0	4.5	221	.30	33	.31	.050	.010	<.010
AUG											
10...	72	220	5.0	12	227	.31	22	--	.050	.020	<.010
SEP											
07...	8	216	4.0	4.5	225	.31	18	.05	.030	--	<.010
28...	56	216	--	6.0	226	.31	10	.03	.050	.020	.010

07074100 STRAWBERRY RIVER NEAR SMITHVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
20...	1045	<5	<1	4	--	--	--	16
DEC								
08...	0930	<5	<1	<1	44	--	8	63
JAN								
26...	1030	<5	<1	1	27	--	<5	29
FEB								
23...	1015	25	--	2	64	--	7	76
MAR								
23...	1400	<5	<1	<1	22	--	<5	25
APR								
20...	1030	11	<1	1	20	--	<5	28
MAY								
11...	1015	--	<1	4	21	--	<5	16
JUN								
08...	1030	--	<1	--	25	--	15	26
JUL								
06...	1000	<5	<1	--	39	<1.0	<5	45
AUG								
10...	1030	<5	<1	<1	<10	--	<5	23
SEP								
07...	1030	<5	<1	5	18	--	<5	--
28...	1030	<5	<1	--	--	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
APR											
20...	1030	.00	.00	.00	.00	.00	.00	.00	.00	2	.00
JUL											
06...	1000	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
28...	1030	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07074490 BLACK RIVER AT JACKSONPORT, AR

LOCATION.--Lat 35°38'30", long 91°19'24", in SW 1/4 SW 1/4 sec.28, T.12 N., R.3 W., Jackson County, Hydrologic Unit 11010009, at Point Ferry on State Highway 69, 600 ft (183 m) upstream from mouth, and 0.7 mi (1.1 km) west of Jacksonport.

DRAINAGE AREA.--8,557 mi^2 (22,163 km^2).

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT											
06...	1545	9827	9827	8.4	20.0	21.0	10	9.7	108	2.2	16
NOV											
03...	1530	9827	9827	8.2	15.0	14.0	30	9.7	93	1.5	68
DEC											
08...	1515	9827	9827	8.2	15.0	9.5	--	11.5	99	1.2	36
JAN											
05...	1510	9827	9827	8.2	10.0	5.0	65	12.0	94	1.8	4
FEB											
23...	1445	9827	9827	7.6	20.0	14.0	60	8.7	84	2.9	<4
MAR											
09...	1700	9827	9827	7.9	12.0	9.0	25	11.0	95	.3	<4
APR											
20...	1630	9827	9827	7.9	19.0	18.0	30	8.8	93	1.4	70
MAY											
18...	1545	9827	9827	7.9	25.0	25.0	25	--	--	2.3	12
JUN											
08...	1550	9827	9827	8.0	--	--	45	8.3	--	1.0	12
JUL											
06...	1530	9827	9827	7.9	31.0	30.0	35	8.1	106	1.9	32
AUG											
03...	1645	9827	9827	8.6	32.0	29.0	25	11.9	152	4.1	4
31...	1600	9827	9827	7.8	34.0	26.0	20	7.7	94	1.4	12
SEP											
28...	1450	9827	9827	8.1	26.0	21.0	30	9.7	108	1.3	12

DATE	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT										
06...	192	4.0	--	203	.28	23	.02	<.010	.030	<.010
NOV										
03...	182	5.0	7.0	195	.27	56	.12	.040	.060	.020
DEC										
08...	182	7.0	4.5	186	.25	18	--	.010	.040	<.010
JAN										
05...	178	8.0	--	193	.26	131	.28	.090	.150	--
FEB										
23...	102	9.0	5.0	--	--	42	.49	.070	.130	.010
MAR										
09...	122	7.0	4.5	156	.21	41	--	.100	.050	<.010
APR										
20...	156	11	4.0	171	.23	56	.26	.020	.070	.010
MAY										
18...	148	6.0	4.5	167	.23	58	.23	.010	.080	.020
JUN										
08...	164	7.0	5.5	185	.25	72	.31	.040	--	.020
JUL										
06...	180	6.0	12	184	.25	64	.28	.040	.030	.010
AUG										
03...	180	3.0	6.0	197	.27	51	--	.010	--	<.010
31...	138	10	5.0	160	.22	66	.24	.040	--	.030
SEP										
28...	160	5.0	7.0	177	.24	41	.12	.060	.060	.010

07074490 BLACK RIVER AT JACKSONPORT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	1545	--	<1	--	<10	--	8	--
NOV								
03...	1530	<5	<1	8	16	--	8	--
DEC								
08...	1515	6	<1	<1	<10	--	<5	15
JAN								
05...	1510	21	<1	3	10	--	--	17
FEB								
23...	1445	5	<1	2	10	--	<5	18
MAR								
09...	1700	<5	<1	<1	<10	--	<5	10
APR								
20...	1630	6	<1	2	<10	--	<5	19
MAY								
18...	1545	--	<1	<1	<10	--	<5	9
JUN								
08...	1550	<5	<1	--	<10	--	--	20
JUL								
06...	1530	<5	<1	9	<10	<1.0	<5	10
AUG								
03...	1645	<5	<1	<1	<10	--	<5	4
31...	1600	<5	<1	<1	<10	--	<5	6
SEP								
28...	1450	<5	<1	<1	<10	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
08...	1515	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
09...	1700	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
08...	1550	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
31...	1600	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07074500 WHITE RIVER AT NEWPORT, AR

LOCATION.--Lat 35°36'18", long 91°17'19", in NE 1/4 NE 1/4 sec.10, T.11 N., R.3 W., Jackson County, Hydrologic Unit 11010013, on left bank 100 ft (30 m) downstream from bridge on U.S. Highway 67 at Newport, 7.2 mi (11.6 km) downstream from Black River, and at mile 257.6 (414.5 km).

DRAINAGE AREA.--19,860 mi^2 (51,440 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1927 to September 1931 (published as "near Newport"), October 1937 to current year. Gage-height records collected at present site since 1885 are contained in reports of National Weather Service.

REVISED RECORDS.--WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 194.09 ft (59.159 m) National Geodetic Vertical Datum of 1929. September 1927 to September 1931, nonrecording gage at site 2.8 mi (4.5 km) downstream at datum 2.30 ft (0.701 m) lower. Oct. 1, 1937, to Aug. 14, 1953, nonrecording gage at present site and datum.

REMARKS.--Records good. Some regulation since 1943 by Norfork Lake, capacity, 1,983,000 acre-ft (2.45 km^3), since 1948 by Clearwater Lake (Missouri), capacity 413,700 acre-ft (510 hm^3), since July 24, 1951, by Bull Shoals Lake, 149 mi (240 km) upstream, capacity 5,408,000 acre-ft (6.67 km^3), since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft (4.40 km^3), and since Dec. 26, 1963, by Beaver Lake, capacity 1,951,500 acre-ft (2.41 km^3).

AVERAGE DISCHARGE.--49 years, 22,250 ft^3/s (630 m^3/s), 16,120,000 acre-ft/yr (19,900 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 343,000 ft^3/s (9,610 m^3/s) Apr. 17, 1945; maximum gage height observed, 35.9 ft (10.94 m) Apr. 18, 1945; minimum discharge, 2,870 ft^3/s (81.3 m^3/s) Sept. 27-30, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1927, that of Apr. 18, 1945. Flood of Apr. 16, 1927, reached a stage of 35.6 ft (10.85 m), from records of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 84,100 ft^3/s (2,380 m^3/s) Feb. 3, gage height, 26.55 ft (8.092 m) minimum daily, 3,500 ft^3/s (99.1 m^3/s) Oct. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4650	4730	4690	5600	61900	38900	18000	24900	9130	23200	9840	13300
2	5390	4640	5000	5580	75200	36800	17100	22900	9210	22800	8890	18300
3	5100	4790	5060	5570	72700	35000	19500	20100	10200	21600	8390	20300
4	4660	6230	4940	6560	71800	34000	19500	18000	11100	19600	10000	20800
5	4620	8350	5220	8430	67800	32000	18000	16500	10400	19500	13700	21700
6	4160	8250	5560	9050	62800	30000	15900	15300	10400	16800	15900	18000
7	4370	8360	5690	9000	58300	28000	18000	15800	10800	17100	13800	14200
8	4930	9010	5480	9060	55900	26000	18700	18400	11000	17800	11700	13600
9	4240	8850	5270	9160	55100	23000	23500	17800	14900	14000	8400	13500
10	3850	8210	5710	9860	55000	20900	21800	16900	17700	11700	6870	12700
11	3940	7520	5810	8450	54800	21500	18200	15700	17100	12200	8150	11500
12	4130	6900	5710	11800	53600	20300	17100	15200	17700	12200	8070	10500
13	3880	6380	5550	16000	52300	22500	15600	14600	15800	10600	7710	11100
14	3540	6040	5230	16100	51700	26000	13700	14000	14600	10100	8300	9650
15	3500	5820	4910	12700	49100	26000	12400	13900	13400	10800	8510	9300
16	3740	5660	4880	9750	48200	31400	11900	14400	12800	11400	9430	10300
17	3810	5480	5130	7650	48900	37300	11600	13400	13100	14100	12000	9300
18	3970	5380	5400	8530	52700	36900	11300	12200	14300	14500	14100	10300
19	3920	5330	5200	8980	52400	35300	11700	12500	15600	13000	15800	11100
20	3820	5230	5600	8140	52100	34900	11800	12100	17000	10800	17600	11200
21	3740	5170	5790	6870	50900	33500	14100	12100	18100	9800	18900	10400
22	3710	5120	5490	7870	47800	31400	15000	14000	18800	12600	19600	9000
23	3720	5270	5300	17600	48000	30200	14700	14400	18200	12700	18000	8960
24	3770	5820	5370	23700	49200	30400	14900	12800	16400	11600	15600	9000
25	3870	5250	5390	24800	48900	29000	13800	12100	17100	10500	14800	8370
26	4180	4910	5440	26000	48500	27700	14500	16500	17400	9450	15000	8780
27	4260	4780	5220	25900	46800	27800	18700	17200	18500	7810	13900	8330
28	4450	4620	5150	27500	42600	26800	22200	14300	19200	10900	13500	7460
29	4840	4520	5120	25900	---	25900	23400	12500	20300	11100	13500	6570
30	5020	4570	5420	23400	---	20500	24700	11800	23200	9840	12800	7320
31	4720	---	5640	35100	---	18200	---	10300	---	8980	12200	---
TOTAL	130500	181190	165370	430610	1535000	898100	501300	472600	453440	419080	384960	354840
MEAN	4210	6040	5335	13890	54820	28970	16710	15250	15110	13520	12420	11830
MAX	5390	9010	5810	35100	75200	38900	24700	24900	23200	23200	19600	21700
MIN	3500	4520	4690	5570	42600	18200	11300	10300	9130	7810	6870	6570
AC-FT	258800	359400	328000	854100	3045000	1781000	994300	937400	899400	831200	763600	703800

CAL YR 1981 TOTAL 2870190 MEAN 7864 MAX 19000 MIN 3500 AC-FT 5693000
WTR YR 1982 TOTAL 5926990 MEAN 16240 MAX 75200 MIN 3500 AC-FT 11760000

07074500 WHITE RIVER AT NEWPORT, AR--CONTINUED
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1946 to 1961, January to August 1978, November 1978 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1945 to September 1961, November 1978 to September 1981.
WATER TEMPERATURES: October 1945 to September 1961, November 1978 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (FTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
27...	1130	80513	80010	4170	336	8.3	12.0	16	9.5	88
DEC										
30...	1330	80513	80010	5420	334	7.6	5.0	3.7	11.8	92
FEB										
24...	0900	80513	80010	49100	251	8.1	9.0	22	10.7	93
APR										
28...	1030	80513	80010	22500	238	8.1	15.5	70	8.8	88
JUN										
29...	0945	80513	80010	20400	260	7.8	20.0	23	8.2	89
AUG										
31...	1000	80513	80010	12100	285	8.2	24.0	31	7.4	88

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
OCT										
27...	K63	840	180	10	39	20	3.7	4	.1	1.1
DEC										
30...	--	K40	160	.00	33	19	3.3	4	.1	1.1
FEB										
24...	K7	48	120	.00	29	11	2.1	4	.1	1.5
APR										
28...	K1200	1800	120	1.0	27	13	2.1	4	.1	1.0
JUN										
29...	500	430	140	7.0	36	12	8.9	12	.3	1.0
AUG										
31...	67	K64	140	5.0	31	16	4.1	6	.2	.3

DATE	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
OCT									
27...	170	6.0	5.6	<.1	7.6	181	185	.25	2040
DEC									
30...	170	7.5	4.0	<.1	4.9	180	175	.24	2630
FEB									
24...	120	4.9	3.6	<.1	4.4	150	129	.20	19900
APR									
28...	120	5.0	3.2	.2	5.4	133	129	.18	8080
JUN									
29...	128	7.0	19	<.1	4.7	183	163	.25	10100
AUG									
31...	139	5.0	4.6	.1	8.0	176	153	.24	5750

07074500 WHITE RIVER AT NEWPORT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 27...	1.4	<.010	.01	.20	.070	.020	59	664	71
DEC 30...	.16	.040	.05	.27	.020	<.010	21	307	69
FEB 24...	.76	.110	.14	.12	.050	<.010	60	7950	66
APR 28...	.19	.080	.10	.23	.130	.030	164	9960	92
JUN 29...	.20	.130	.17	.70	.070	.020	64	3530	86
AUG 31...	.26	.050	.06	.50	.110	.020	69	2250	93

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT 27...	1130	1	1	100	50	50	<1	--	1	10
FEB 24...	0900	1	1	100	60	41	2	--	<1	10
APR 28...	1030	2	1	<100	--	84	1	--	<3	20
AUG 31...	1000	2	2	--	0	320	6	5	1	20

DATE	TIME	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
OCT 27...	1130	0	10	1	--	<1	10	7	3	480	450
FEB 24...	0900	0	10	2	0	2	15	--	<1	80	60
APR 28...	1030	10	10	2	--	<1	14	8	6	2400	2300
AUG 31...	1000	10	10	2	0	2	16	4	12	1300	1300

DATE	TIME	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT 27...	1130	26	6	4	2	70	70	5	.1	.0	.1
FEB 24...	0900	20	6	--	<1	70	60	7	.3	--	.3
APR 28...	1030	140	11	10	1	230	230	5	<.1	--	<.1
AUG 31...	1000	38	10	9	1	160	150	6	<.1	--	.1

07074500 WHITE RIVER AT NEWPORT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT 27...	1130	<1	<1	<1	<1	40	30	14
FEB 24...	0900	<1	<1	<1	<1	40	20	17
APR 28...	1030	<1	<1	<1	1	50	20	35
AUG 31...	1000	<1	<1	<1	<1	60	0	88

07074850 WHITE RIVER NEAR AUGUSTA, AR

LOCATION.--Lat 35°17'20", long 91°23'40", in sec.27, T.8 N., R.4 W., Woodruff County, Hydrologic Unit 11010013, at bridge on U.S. Highway 64, 2.0 mi (3.2 km) west of Augusta.

DRAINAGE AREA.--20,464 mi^2 (53,002 km^2).

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT 20...	1050	9827	9827	5900	8.2	18.0	16.0	25	9.6	96	2.2
NOV 17...	1030	9827	9827	6900	8.1	17.0	13.0	20	10.2	96	.7
DEC 15...	1130	9827	9827	6500	8.2	13.0	9.0	5.4	11.8	102	1.2
JAN 26...	1140	9827	9827	21900	7.7	2.0	3.0	190	--	--	3.2
FEB 16...	1125	9827	9827	56000	7.6	18.0	7.0	55	11.6	95	1.2
MAR 23...	1145	9827	9827	32500	8.0	23.0	15.0	25	9.6	94	1.1
APR 27...	1210	9827	9827	15600	8.0	23.0	18.0	30	9.2	97	1.1
MAY 25...	1230	9827	9827	13000	7.9	24.0	24.0	30	8.1	95	1.5
JUN 15...	1245	9827	9827	14600	8.0	28.0	24.0	40	9.0	106	1.7
JUL 06...	1210	9827	9827	18000	7.9	30.0	25.0	30	9.1	108	1.8
AUG 17...	1140	9827	9827	9200	8.1	--	--	25	8.3	--	1.3
SEP 14...	1140	9827	9827	10300	8.1	28.0	25.0	20	8.6	102	1.7

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 20...	110	168	5.0	10	188	.26	40	.13	.020	.050	.010
NOV 17...	<4	166	8.0	6.5	179	.24	26	--	.040	.060	<.010
DEC 15...	24	168	8.0	6.5	180	.24	10	.11	.020	.040	<.010
JAN 26...	--	86	9.0	5.0	135	.18	308	.47	.070	.350	.040
FEB 16...	26	96	5.0	5.0	124	.17	36	--	.060	.120	.020
MAR 23...	8	130	7.0	6.5	143	.19	36	.22	.040	.060	.010
APR 27...	26	150	5.0	4.0	169	.23	53	.22	.050	.080	--
MAY 25...	60	134	2.0	5.0	157	.21	52	.20	.020	.050	.020
JUN 15...	24	146	6.0	5.5	179	.24	92	.27	.040	--	.010
JUL 06...	30	144	6.0	6.5	160	.22	52	.21	.040	.040	<.010
AUG 17...	20	170	6.0	8.5	182	.25	46	.20	.030	--	--
SEP 14...	52	148	4.0	6.0	169	.23	41	.20	.020	.050	.040

07074850 WHITE RIVER NEAR AUGUSTA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT 20...	1050	<5	5	7	15	--	5	19
NOV 17...	1030	<5	1	5	16	--	<5	19
DEC 15...	1130	<5	1	<1	<10	--	<5	18
JAN 26...	1140	<5	3	10	12	--	<5	47
FEB 16...	1125	17	--	3	18	--	<5	34
MAR 23...	1145	<5	2	<1	19	--	--	28
APR 27...	1210	7	<1	9	24	--	<5	32
MAY 25...	1230	<5	--	--	<10	--	<5	11
JUN 15...	1245	<5	<1	5	22	--	<5	74
JUL 06...	1210	<5	3	--	20	<1.0	<5	40
AUG 17...	1140	5	--	<1	10	--	<5	20
SEP 14...	1140	<5	2	<1	21	--	<5	31

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV 17...	1030	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR 23...	1145	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN 15...	1245	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP 14...	1140	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07074990 MIDDLE FORK LITTLE RED RIVER NEAR SHIRLEY, AR

LOCATION.--Lat 35°39'06", long 92°19'20", in NE 1/4 sec.25, T.12 N., R.13 W., Van Buren County, Hydrologic Unit 11010014, at bridge on State Highway 9, 0.2 mi (0.3 km) south of Shirley, and at mile 124.4 (200.2 km).

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT 27...	1015	9827	9827	51	7.4	10.0	11.0	3.5	9.7	87	1.2
DEC 01...	0945	9827	9827	130	7.3	9.0	9.0	4.8	10.5	91	.6
JAN 26...	1000	9827	9827	436	7.4	-1.0	3.0	10	12.8	95	.8
FEB 16...	0845	9827	9827	1030	7.5	12.0	6.0	9.0	10.8	86	.5
MAR 16...	0900	9827	9827	1770	7.3	21.0	13.0	15	10.1	--	1.3
APR 20...	0920	9827	9827	250	7.2	14.0	15.0	5.0	9.5	93	.9
MAY 11...	0930	9827	9827	92	7.4	19.0	20.0	--	8.2	89	.8
JUN 22...	0900	9827	9827	254	7.2	21.0	23.0	5.2	8.0	92	1.0
JUL 20...	0850	9827	9827	12	7.2	27.0	29.0	2.6	9.0	115	3.0
AUG 17...	0945	9827	9827	37	7.3	25.0	26.0	2.8	9.0	110	2.6
SEP 14...	0900	9827	9827	10	7.2	25.0	25.0	2.5	7.9	94	2.4

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 27...	52	42	7.0	4.0	64	.09	5	.02	.010	.020	<.010
DEC 01...	130	48	9.0	4.0	57	.08	5	.05	.030	.030	.020
JAN 26...	16	28	6.0	4.0	53	.07	7	.26	.030	.040	<.010
FEB 16...	24	84	4.0	5.5	57	.08	16	.28	.040	.070	<.010
MAR 16...	450	36	5.0	2.5	58	.08	13	.13	.040	.040	.010
APR 20...	50	44	8.0	3.0	45	.06	3	.01	.010	.010	<.010
MAY 11...	<4	34	1.0	3.5	54	.07	3	.03	.020	.020	<.010
JUN 22...	24	32	8.0	4.0	55	.07	<1	.04	.050	.010	.010
JUL 20...	20	42	--	--	46	.06	3	.01	.020	--	<.010
AUG 17...	24	--	4.0	3.0	52	.07	5	.02	.030	.010	<.010
SEP 14...	20	40	2.0	6.0	56	.08	4	.01	.030	.010	<.010

07074990 MIDDLE FORK LITTLE RED RIVER NEAR SHIRLEY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
27...	1015	<5	3	2	13	--	<5	13
DEC								
01...	0945	<5	11	<1	13	--	<5	72
JAN								
26...	1000	<5	3	2	13	--	<5	44
FEB								
16...	0845	<5	9	1	--	--	<5	390
MAR								
16...	0900	<5	1	<1	11	--	<5	46
APR								
20...	0920	<5	2	1	10	--	<5	20
MAY								
11...	0930	<5	<1	<1	<10	--	<5	20
JUN								
22...	0900	<5	2	<1	<10	--	--	41
JUL								
20...	0850	<5	1	<1	14	<1.0	<5	48
AUG								
17...	0945	<5	1	<1	82	--	<5	23
SEP								
14...	0900	<5	2	1	<1	--	<5	25

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
APR											
20...	0920	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
20...	0850	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07075000 MIDDLE FORK LITTLE RED RIVER AT SHIRLEY, AR

LOCATION.--Lat 35°39'10", long 92°19'10", in SW 1/4 sec.20, T.12 N., R.12 W., Van Buren County, Hydrologic Unit 11010014, on right bank 0.5 mi (0.8 km) downstream from Sugar Camp (or Weavers) Creek, 1.0 mi (1.6 km) east of Shirley, and at mile 122.0 (196.3 km).

DRAINAGE AREA.--302 mi^2 (782 km^2).

PERIOD OF RECORD.--February 1939 to current year.

REVISED RECORDS.--WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 483.12 ft (147.255 m) National Geodetic Vertical Datum of 1929. Prior to June 6, 1939, nonrecording gage at site 70 ft (21 m) upstream at same datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years, 460 ft^3/s (13.0 m^3/s), 20.68 in/yr (525 mm/yr), 333,300 acre-ft/yr (411 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 101,000 ft^3/s (2,860 m^3/s) Jan. 24, 1949, gage height, 28.3 ft (8.63 m) in gage well; about 31 ft (9.4 m) on nonrecording gage, from stage-relation curve, from rating curve extended above 60,000 ft^3/s (1,700 m^3/s); no flow at times.
NOTE.--Maximum gage heights published prior to 1949 water year were referred to nonrecording gage.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 6,000 ft^3/s (170 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage Height (ft)	Gage Height (m)
Jan. 31	0345	*42,100	1,190	24.71	7.532
Feb. 16	2315	6,630	188	13.83	4.215

no flow Oct. 1-13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	47	220	45	3090	248	84	586	66	572	29	39
2	.00	46	200	69	1620	232	535	454	64	458	28	33
3	.00	43	125	351	1230	213	778	353	81	356	26	31
4	.00	43	93	660	966	218	463	284	1120	267	25	26
5	.00	46	79	506	748	223	331	235	923	202	24	23
6	.00	46	75	345	559	208	250	194	552	150	23	20
7	.00	43	73	258	445	193	204	207	378	109	24	18
8	.00	41	74	199	418	181	499	180	276	84	24	17
9	.00	40	66	161	598	168	853	144	210	73	23	16
10	.00	38	60	135	564	162	607	113	220	62	21	16
11	.00	37	57	101	456	159	453	91	236	51	21	16
12	.00	35	53	96	410	155	358	76	190	41	39	16
13	.00	34	50	86	374	149	304	65	156	33	38	16
14	.33	33	49	78	374	1600	257	122	124	27	35	15
15	1.1	32	48	74	567	3700	218	229	102	23	36	14
16	1.0	32	47	65	2290	1720	196	199	1520	18	38	13
17	7.0	32	46	59	3540	1030	201	159	1220	17	38	11
18	17	32	43	60	1570	735	270	131	722	13	34	9.4
19	18	32	41	58	1040	579	234	123	506	13	31	8.5
20	18	31	39	56	787	478	250	116	382	12	32	8.5
21	19	30	39	57	594	377	223	93	304	11	30	5.2
22	23	31	42	409	478	298	186	81	249	13	27	2.0
23	24	29	46	2070	398	251	162	66	205	16	25	.80
24	29	28	47	901	332	220	144	58	188	18	24	.80
25	42	30	49	574	278	195	145	155	358	20	22	1.8
26	51	23	51	409	240	164	250	277	950	23	21	2.4
27	53	16	53	315	228	138	331	235	1060	25	22	2.4
28	58	19	53	260	223	121	307	187	2010	23	22	1.4
29	58	26	50	248	---	107	540	149	1820	30	21	.80
30	51	70	48	5100	---	101	837	122	897	31	36	.80
31	46	---	47	24100	---	95	---	89	---	28	48	---
TOTAL	516.43	1065	2063	37905	24417	14418	10470	5573	17089	2819	887	384.80
MEAN	16.7	35.5	66.5	1223	872	465	349	180	570	90.9	28.6	12.8
MAX	58	70	220	24100	3540	3700	853	586	2010	572	48	39
MIN	.00	16	39	45	223	95	84	58	64	11	21	.80
CFSM	.06	.12	.22	4.05	2.89	1.54	1.16	.60	1.89	.30	.10	.04
IN.	.06	.13	.25	4.67	3.01	1.78	1.29	.69	2.10	.35	.11	.05
AC-FT	1020	2110	4090	75180	48430	28600	20770	11050	33900	5590	1760	763

CAL YR 1981	TOTAL	62069.45	MEAN 170	MAX 3360	MIN .00	CFSM .56	IN 7.65	AC-FT 123100
WTR YR 1982	TOTAL	117607.23	MEAN 322	MAX 24100	MIN .00	CFSM 1.07	IN 14.49	AC-FT 233300

07075300 SOUTH FORK LITTLE RED RIVER AT CLINTON, AR

LOCATION.--Lat 35°35'29", long 92°27'20", in SW 1/4 sec.14, T.11 N., R.14 W., Van Buren County, Hydrologic Unit 11010014, near right bank on upstream side of bridge on U.S. Highway 65 at Clinton, 0.2 mi (0.3 km) upstream from Archey Creek, and at mile 23.7 (38.1 km).

DRAINAGE AREA.--148 mi^2 (383 km^2).

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

REVISED RECORDS.--WRD Ark. 1968: 1962, 1964. WRD Ark. 1973: Drainage area. WRD Ark. 1974: 1964 (M).

GAGE.--Water-stage recorder. Datum of gage is 481.11 ft (146.642 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1966, nonrecording gage at present site and datum.

REMARKS.--Records good except those for period of no gage-height record, Apr. 14 to May 24, which are fair.

AVERAGE DISCHARGE.--21 years, 231 ft^3/s (6.54 m^3/s), 21.20 in/yr (538 mm/yr), 167,400 acre-ft/yr (206 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,700 ft^3/s (926 m^3/s) Mar. 28, 1977, gage height, 26.43 ft (8.056 m); no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,100 ft^3/s (484 m^3/s) Jan. 31 at 0345 hours, gage height, 21.04 ft (6.413 m), no other peak above base of 5,000 ft^3/s (140 m^3/s); minimum daily, 0.26 ft^3/s (0.007 m^3/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 to SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	28	286	20	1460	162	90	470	125	306	25	12
2	1.0	28	180	52	910	149	1030	410	109	252	19	10
3	.91	27	128	452	762	143	1390	360	102	205	17	8.8
4	.78	29	100	513	586	152	686	320	247	169	15	7.6
5	.78	30	79	327	486	149	528	280	258	140	14	6.2
6	.91	28	66	252	402	141	413	250	211	116	13	5.2
7	1.0	27	58	203	346	133	343	210	175	98	278	4.5
8	1.0	25	49	159	330	127	762	190	144	86	173	4.2
9	1.0	23	42	135	424	119	718	160	119	73	207	3.6
10	1.2	23	35	107	362	115	546	140	133	63	141	3.0
11	1.2	21	31	109	317	115	455	120	132	52	97	2.8
12	1.3	21	29	91	306	112	399	100	127	42	198	2.5
13	2.5	19	27	76	286	111	365	90	122	32	176	2.8
14	5.2	18	25	70	282	1140	351	80	107	28	227	2.8
15	5.9	17	23	65	290	1700	330	370	97	23	216	2.5
16	6.2	17	22	60	561	950	310	300	718	21	198	2.2
17	12	17	21	60	850	650	290	220	543	19	196	1.9
18	13	17	19	55	590	510	260	160	362	17	125	1.2
19	15	16	18	49	466	388	280	150	274	16	94	1.0
20	24	16	17	48	393	330	250	140	223	15	67	.78
21	27	15	17	48	337	280	240	120	182	13	46	.65
22	25	15	18	393	290	241	210	110	154	12	30	.52
23	24	15	20	960	258	216	200	100	132	12	23	.39
24	25	15	22	492	232	196	180	80	196	12	17	.52
25	29	15	21	354	203	178	200	252	430	11	14	.91
26	48	15	21	272	185	156	340	258	472	11	12	.78
27	76	14	22	234	175	138	400	207	351	10	9.9	.65
28	62	14	22	209	173	124	330	191	622	12	9.9	.52
29	48	14	21	209	---	114	420	209	882	27	20	.39
30	37	46	21	2530	---	107	520	166	418	97	21	.26
31	29	---	21	7940	---	100	---	138	---	38	15	---
TOTAL	526.08	625	1481	16544	12262	9246	12836	6351	8167	2028	2713.8	91.17
MEAN	17.0	20.8	47.8	534	438	298	428	205	272	65.4	87.5	3.04
MAX	76	46	286	7940	1460	1700	1390	470	882	306	278	12
MIN	.78	14	17	20	173	100	90	80	97	10	9.9	.26
CFSM	.12	.14	.32	3.61	2.96	2.01	2.89	1.39	1.84	.44	.59	.02
IN.	.13	.16	.37	4.16	3.08	2.32	3.23	1.60	2.05	.51	.68	.02
AC-FT	1040	1240	2940	32820	24320	18340	25460	12600	16200	4020	5380	181

CAL YR 1981 TOTAL 36465.40 MEAN 99.9 MAX 1630 MIN .78 CFSM .68 IN 9.17 AC-FT 72330
WTR YR 1982 TOTAL 72871.05 MEAN 200 MAX 7940 MIN .26 CFSM 1.35 IN 18.32 AC-FT 144500

07075638 GREERS FERRY LAKE AT HIGHWAY 92, AT HIGDEN, AR

LOCATION.--Lat 35°33'48", long 92°11'48", in NE 1/4 sec.30, T.11 N., R.11 W., Cleburne County, Hydrologic Unit 11010014, at the Narrows bridge on State Highways 16 and 92, 0.8 mi (1.3 km) southeast of Higden.

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

COOPERATION.--Additional records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
OCT										
27...	0945	9827	9827	--	--	--	7.2	9.0	17.0	--
DEC										
01...	0915	9827	9827	--	--	--	7.1	9.0	12.0	--
14...	1445	80513	80513	.00	130	--	--	9.0	--	--
14...	1450	80513	80010	26.0	130	47	6.8	--	11.0	2
14...	1455	80513	80010	104	130	65	6.5	--	9.5	8
JAN										
26...	0930	9827	9827	--	--	--	7.2	-1.0	5.0	--
FEB										
16...	0820	9827	9827	--	--	--	7.2	12.0	6.0	--
MAR										
16...	0830	9827	9827	--	--	--	7.1	20.0	11.0	--
APR										
20...	0845	9827	9827	--	--	--	7.0	14.0	14.0	--
MAY										
11...	0900	9827	9827	--	--	--	7.3	18.0	20.0	--
24...	1505	80513	80513	.00	137	--	--	27.0	--	--
24...	1510	80513	80010	27.0	137	42	7.0	--	17.0	5
24...	1515	80513	80010	110	137	48	7.0	--	7.5	8
JUN										
22...	0830	9827	9827	--	--	--	7.1	20.0	25.0	--
JUL										
20...	0820	9827	9827	--	--	--	7.1	27.0	29.0	--
AUG										
17...	0845	9827	9827	--	--	--	7.1	25.0	27.0	--
23...	1320	80513	80513	.00	135	--	--	34.0	--	--
23...	1325	80513	80010	27.0	135	44	7.2	--	26.0	10
23...	1330	80513	80010	108	135	52	6.8	--	8.5	25
SEP										
14...	0830	9827	9827	--	--	--	7.1	24.0	25.0	--

DATE	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
OCT										
27...	1.5	--	--	8.7	90	1.2	<4	--	24	--
DEC										
01...	1.8	--	--	9.2	85	1.0	16	--	22	--
14...	--	96.0	2.40	--	--	--	--	1	--	--
14...	1.4	--	--	8.7	--	.5	--	--	14	.00
14...	5.5	--	--	.2	--	.6	--	--	19	.00
JAN										
26...	1.9	--	--	11.5	90	.9	60	--	68	--
FEB										
16...	7.0	--	--	12.1	97	.6	4	--	40	--
MAR										
16...	15	--	--	11.4	--	1.0	16	--	28	--
APR										
20...	5.8	--	--	10.1	97	.7	<10	--	20	--
MAY										
11...	--	--	--	9.9	108	1.2	4	--	20	--
24...	--	146	3.7	--	--	--	--	0	--	--
24...	1.7	--	--	8.3	--	1.0	--	--	16	.00
24...	8.4	--	--	6.6	--	.7	--	--	17	2.0
JUN										
22...	1.2	--	--	9.3	111	2.1	4	--	16	--
JUL										
20...	1.6	--	--	9.0	115	1.9	<4	--	20	--
AUG										
17...	1.8	--	--	8.5	105	1.3	8	--	--	--
23...	--	104	2.60	--	--	--	--	6	--	--
23...	1.4	--	--	6.4	--	.7	--	--	15	.00
23...	9.2	--	--	.7	--	.7	--	--	19	.00
SEP										
14...	1.5	--	--	8.7	104	1.9	<4	--	16	--

07075638 GREERS FERRY LAKE AT HIGHWAY 92, AT HIGDEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K) (00937)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
OCT										
27...	--	--	--	--	--	3.0	3.5	30	.04	4
DEC										
01...	--	--	--	--	--	3.0	3.5	28	.04	4
14...	--	--	--	--	--	--	--	--	--	--
14...	4.6	11	.6	.4	18	3.1	1.3	--	--	--
14...	6.1	15	1.0	.5	22	4.4	1.7	--	--	--
JAN										
26...	--	--	--	--	--	4.0	4.5	30	.04	4
FEB										
16...	--	--	--	--	--	1.0	4.5	26	.04	10
MAR										
16...	--	--	--	--	--	4.0	2.5	43	.06	6
APR										
20...	--	--	--	--	--	6.0	2.5	30	.04	2
MAY										
11...	--	--	--	--	--	<1.0	3.5	39	.05	<1
24...	--	--	--	--	--	--	--	--	--	--
24...	4.6	11	1.2	.8	23	4.0	1.5	--	--	--
24...	4.7	12	1.2	1.1	15	6.0	1.8	--	--	--
JUN										
22...	--	--	--	--	--	7.0	3.0	33	.04	<1
JUL										
20...	--	--	--	--	--	--	--	20	.03	4
AUG										
17...	--	--	--	--	--	3.0	2.5	25	.03	4
23...	--	--	--	--	--	--	--	--	--	--
23...	4.4	11	1.0	.9	17	3.0	1.5	--	--	--
23...	5.1	13	1.4	1.1	20	4.0	1.6	--	--	--
SEP										
14...	--	--	--	--	--	3.0	4.0	26	.04	2

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
27...	.03	.020	--	--	--	--	<.010	--	<.010
DEC									
01...	.07	.020	--	--	--	--	.010	--	<.010
14...	--	--	--	--	--	--	--	--	--
14...	.09	.040	.29	.33	.42	1.9	<.010	--	<.010
14...	.05	.190	.19	.38	.43	1.9	.010	.03	<.010
JAN									
26...	.16	.030	--	--	--	--	.010	--	<.010
FEB									
16...	.20	.040	--	--	--	--	.050	--	<.010
MAR									
16...	.22	.050	--	--	--	--	.010	--	.020
APR									
20...	.18	.020	--	--	--	--	.010	--	<.010
MAY									
11...	.10	.070	--	--	--	--	.010	--	<.010
24...	--	--	--	--	--	--	--	--	--
24...	<.10	.030	.21	.24	--	--	<.010	<.03	<.010
24...	.30	.020	.13	.15	.45	2.0	<.010	<.03	<.010
JUN									
22...	.03	.050	--	--	--	--	<.010	--	<.010
JUL									
20...	.01	.010	--	--	--	--	--	--	<.010
AUG									
17...	.03	.020	--	--	--	--	<.010	--	<.010
23...	--	--	--	--	--	--	--	--	--
23...	<.10	<.010	--	<.10	--	--	.020	.06	<.010
23...	.35	.010	.49	.50	.85	3.8	.040	.12	<.010
SEP									
14...	<.01	.030	--	--	--	--	.010	--	<.010

07075638 GREERS FERRY LAKE AT HIGHWAY 92, AT HIGDEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
OCT							
27...	0945	--	<5	1	2	14	--
DEC							
01...	0915	--	8	14	3	11	--
14...	1450	20	1	--	20	7	100
14...	1455	130	1	--	10	2	900
JAN							
26...	0930	--	7	6	4	52	--
FEB							
16...	0820	--	<5	6	1	--	--
MAR							
16...	0830	--	<5	5	<1	27	--
APR							
20...	0845	--	<5	2	1	12	--
MAY							
11...	0900	--	<5	1	<1	<10	--
24...	1510	90	1	--	10	3	130
24...	1515	200	2	--	10	3	420
JUN							
22...	0830	--	<5	1	<1	17	--
JUL							
20...	0820	--	<5	2	<1	16	--
AUG							
17...	0845	--	<5	2	<1	<10	--
23...	1325	50	1	--	20	5	60
23...	1330	360	1	--	10	7	950
SEP							
14...	0830	--	5	2	4	22	--

DATE	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT						
27...	--	--	--	--	<5	27
DEC						
01...	--	--	--	--	<5	68
14...	<1	170	<.1	3	--	40
14...	1	2200	<.1	3	--	50
JAN						
26...	--	--	--	--	5	97
FEB						
16...	--	--	--	--	<5	110
MAR						
16...	--	--	--	--	6	67
APR						
20...	--	--	--	--	<5	28
MAY						
11...	--	--	--	--	<5	24
24...	1	10	<.1	27	--	120
24...	1	120	<.1	5	--	80
JUN						
22...	--	--	--	--	--	65
JUL						
20...	--	--	<1.0	--	<5	47
AUG						
17...	--	--	--	--	<5	29
23...	5	20	.2	4	--	40
23...	4	1400	<.1	14	--	90
SEP						
14...	--	--	--	--	<5	46

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN											
26...	0930	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
20...	0845	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
20...	0820	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR

LOCATION.--Lat 35°31'15", long 91°59'42", in SE 1/4 sec.6, T.10 N., R.9 W., Cleburne County, Hydrologic Unit 11010014, on State Highway 25 at Greers Ferry Dam on Little Red River, 2.5 mi (4.0 km) northwest of Heber Springs, 5.5 mi (8.8 km) upstream from Canoe Creek, and at mile 79.0 (127.1 km).

DRAINAGE AREA.--1,153 mi^2 (2,986 km^2).

PERIOD OF RECORD.--October 1970 to September 1972, December 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT								
22...	1130	80513	.00	44	7.0	20.0	286	8.4
22...	1132	80513	10.0	44	7.0	20.0	--	8.4
22...	1134	80513	20.0	44	7.0	20.0	--	8.4
22...	1136	80513	30.0	44	7.0	20.0	--	8.3
22...	1138	80513	40.0	44	7.0	19.5	--	8.0
22...	1140	80513	46.0	44	6.6	18.5	--	6.2
22...	1142	80513	48.0	44	6.4	17.5	--	5.6
22...	1144	80513	50.0	44	6.4	16.5	--	5.8
22...	1146	80513	52.0	44	6.4	15.5	--	6.0
22...	1148	80513	55.0	44	6.3	14.5	--	6.0
22...	1150	80513	57.0	45	6.3	13.5	--	6.1
22...	1152	80513	60.0	45	6.4	12.5	--	6.1
22...	1154	80513	65.0	45	6.4	11.5	--	6.1
22...	1156	80513	70.0	46	6.4	11.0	--	6.2
22...	1158	80513	75.0	46	6.4	10.0	--	6.3
22...	1200	80513	80.0	46	6.4	9.5	--	6.3
22...	1202	80513	90.0	47	6.4	8.5	--	6.3
22...	1204	80513	100	47	6.4	8.0	--	6.0
22...	1206	80513	110	47	6.4	7.5	--	5.5
22...	1208	80513	120	48	6.4	7.0	--	4.7
22...	1210	80513	130	50	6.3	7.0	--	4.0
22...	1212	80513	140	50	6.3	7.0	--	3.9
22...	1215	80513	143	50	6.3	7.0	--	3.9
NOV								
18...	0950	80513	.00	41	7.0	16.0	292	9.2
18...	0952	80513	10.0	41	7.0	16.0	--	9.1
18...	0954	80513	20.0	41	7.0	16.0	--	9.1
18...	0956	80513	30.0	41	7.0	16.0	--	9.1
18...	0958	80513	40.0	41	7.0	16.0	--	9.0
18...	1000	80513	50.0	41	7.0	16.0	--	9.0
18...	1002	80513	56.0	42	6.6	15.0	--	6.2
18...	1004	80513	58.0	44	6.4	14.0	--	5.4
18...	1006	80513	60.0	43	6.3	13.0	--	5.6
18...	1008	80513	65.0	44	6.3	12.0	--	5.6
18...	1010	80513	70.0	44	6.3	11.0	--	5.7
18...	1012	80513	80.0	44	6.3	10.0	--	5.8
18...	1014	80513	90.0	44	6.3	9.0	--	5.9
18...	1016	80513	100	46	6.3	8.0	--	5.7
18...	1018	80513	110	46	6.3	7.5	--	5.2
18...	1020	80513	120	46	6.2	7.5	--	4.3
18...	1022	80513	130	46	6.2	7.0	--	3.8
18...	1024	80513	140	47	6.2	7.0	--	3.5
18...	1025	80513	144	50	6.1	7.0	--	3.2

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC									
14...	1020	80513	80513	.00	143	42	6.8	11.0	9.6
14...	1022	80513	--	10.0	143	42	6.9	11.0	9.5
14...	1024	80513	--	20.0	143	42	6.9	11.0	9.5
14...	1025	80513	80010	25.0	143	42	6.9	11.0	9.5
14...	1026	80513	--	30.0	143	42	6.9	11.0	9.5
14...	1028	80513	--	40.0	143	42	6.9	11.0	9.4
14...	1030	80513	--	50.0	143	42	7.0	11.0	9.4
14...	1032	80513	--	60.0	143	42	7.0	11.0	9.4
14...	1034	80513	--	70.0	143	42	7.0	11.0	8.5
14...	1036	80513	--	76.0	143	44	6.8	10.0	5.5
14...	1038	80513	--	80.0	143	44	6.7	9.5	5.3
14...	1039	80513	--	90.0	143	44	6.7	8.5	5.2
14...	1040	80513	80010	100	143	45	6.6	8.0	4.9
14...	1042	80513	--	110	143	45	6.6	7.5	4.1
14...	1044	80513	--	120	143	46	6.5	7.5	3.5
14...	1046	80513	--	130	143	46	6.5	7.0	3.0
14...	1048	80513	--	140	143	46	6.4	7.0	2.6
14...	1050	80513	--	143	143	46	6.4	7.0	2.6

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
DEC												
14...	1020	.00	143	--	--	318	--	0	--	--	--	--
14...	1025	25.0	143	<1	.60	--	.4	--	.00	3.8	9.0	.5
14...	1040	100	143	3	.70	--	.4	--	2.0	4.5	11	.6

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC												
14...	1025	.4	17	3.8	1.4	.09	.010	.11	.12	.21	.93	<.010
14...	1040	.7	12	3.8	1.3	.26	.040	.11	.15	.41	1.8	<.010

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
14...	1025	<.010	<10	1	10	5	40	<10	<.1	1	30
14...	1040	<.010	<10	1	10	2	50	20	<.1	3	50

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN								
25...	1040	80513	.00	46	7.0	6.0	222	10.2
25...	1042	80513	10.0	46	7.0	6.0	--	10.1
25...	1045	80513	20.0	46	7.0	6.0	--	10.1
25...	1046	80513	30.0	46	7.0	6.0	--	10.1
25...	1047	80513	40.0	46	7.0	6.0	--	10.1
25...	1049	80513	50.0	46	7.0	6.0	--	10.1
25...	1051	80513	60.0	46	7.0	6.0	--	10.1
25...	1053	80513	70.0	46	7.0	6.0	--	10.1
25...	1055	80513	80.0	46	7.0	6.0	--	10.0
25...	1057	80513	90.0	46	7.0	6.0	--	10.0
25...	1058	80513	100	46	7.0	6.0	--	10.0
25...	1100	80513	110	46	7.0	6.0	--	10.0
25...	1102	80513	120	46	7.0	6.0	--	10.0
25...	1103	80513	130	46	7.0	6.0	--	10.0
25...	1105	80513	140	46	7.0	5.5	--	10.0
FEB								
18...	0950	80513	.00	45	7.1	7.0	226	11.6
18...	0952	80513	10.0	45	7.1	7.0	--	11.6
18...	0954	80513	20.0	45	7.1	6.0	--	11.5
18...	0956	80513	30.0	45	7.1	5.0	--	11.5
18...	0958	80513	40.0	45	7.1	5.0	--	11.4
18...	1000	80513	50.0	45	7.0	5.0	--	11.4
18...	1004	80513	70.0	45	7.0	5.0	--	11.4
18...	1006	80513	80.0	45	7.0	5.0	--	11.4
18...	1008	80513	90.0	45	7.0	5.0	--	11.4
18...	1010	80513	100	45	7.0	5.0	--	11.5
18...	1012	80513	110	45	7.0	5.0	--	11.5
18...	1014	80513	120	45	7.0	5.0	--	11.5
18...	1016	80513	130	45	7.0	5.0	--	11.5
18...	1018	80513	140	45	7.0	5.0	--	11.5
18...	1019	80513	150	45	7.0	5.0	--	11.5
18...	1020	80513	153	45	7.0	5.0	--	11.5

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
MAR								
19...	1325	80513	.00	42	7.4	11.5	162	11.8
19...	1326	80513	10.0	42	7.4	10.5	--	11.8
19...	1328	80513	18.0	42	7.4	9.5	--	11.7
19...	1330	80513	20.0	42	7.4	9.0	--	11.7
19...	1332	80513	30.0	42	7.3	8.5	--	11.6
19...	1334	80513	40.0	42	7.3	8.0	--	11.6
19...	1336	80513	50.0	42	7.2	7.0	--	11.6
19...	1338	80513	60.0	42	7.2	6.5	--	11.5
19...	1340	80513	70.0	42	7.2	6.5	--	11.4
19...	1342	80513	80.0	42	7.1	6.0	--	11.4
19...	1344	80513	90.0	42	7.1	6.0	--	11.3
19...	1346	80513	100	42	7.1	5.5	--	11.2
19...	1348	80513	110	42	7.0	5.5	--	11.2
19...	1350	80513	120	42	6.9	5.0	--	11.1
19...	1352	80513	130	42	6.9	5.0	--	11.1
19...	1354	80513	140	42	6.9	5.0	--	11.1
19...	1356	80513	150	42	6.9	5.0	--	11.1
19...	1400	80513	152	42	6.9	5.0	--	11.0
APR								
22...	1000	80513	.00	44	7.5	14.5	299	10.5
22...	1002	80513	10.0	44	7.6	14.0	--	10.5
22...	1004	80513	20.0	44	7.9	13.0	--	10.8
22...	1006	80513	30.0	44	7.7	12.0	--	10.8
22...	1008	80513	40.0	44	7.5	11.0	--	10.6
22...	1010	80513	50.0	44	7.3	11.0	--	10.5
22...	1012	80513	60.0	44	7.2	10.5	--	10.4
22...	1014	80513	70.0	44	7.1	10.0	--	10.4
22...	1016	80513	80.0	44	7.0	9.0	--	10.4
22...	1018	80513	90.0	44	6.9	8.0	--	10.4
22...	1020	80513	100	44	6.8	7.0	--	10.4
22...	1022	80513	110	44	6.8	6.0	--	10.4
22...	1024	80513	120	44	6.8	6.0	--	10.3
22...	1026	80513	130	44	6.7	5.5	--	10.3
22...	1028	80513	140	44	6.7	5.5	--	10.2
22...	1030	80513	150	44	6.7	5.5	--	10.2

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY									
24...	1020	80513	80513	.00	149	42	7.6	25.0	8.3
24...	1022	80513	--	10.0	149	42	7.7	24.0	8.8
24...	1024	80513	--	13.0	149	42	8.4	23.0	9.3
24...	1026	80513	--	15.0	149	43	8.7	22.0	10.2
24...	1028	80513	--	17.0	149	44	8.7	21.0	10.4
24...	1030	80513	--	20.0	149	44	8.7	20.0	10.9
24...	1032	80513	--	21.0	149	44	8.8	18.5	11.1
24...	1033	80513	--	22.0	149	44	8.8	17.5	11.2
24...	1034	80513	--	23.0	149	44	8.8	16.5	11.3
24...	1035	80513	80010	25.0	149	44	8.8	16.0	11.4
24...	1036	80513	--	27.0	149	44	8.8	15.0	11.4
24...	1038	80513	--	30.0	149	43	8.6	14.0	11.2
24...	1040	80513	--	33.0	149	43	8.1	13.0	11.0
24...	1042	80513	--	37.0	149	43	7.7	12.0	10.5
24...	1044	80513	--	40.0	149	43	7.5	11.5	10.2
24...	1046	80513	--	50.0	149	43	7.3	10.5	9.5
24...	1048	80513	--	60.0	149	43	7.1	10.0	9.3
24...	1050	80513	--	70.0	149	44	7.0	9.5	9.3
24...	1052	80513	--	80.0	149	44	7.0	9.0	9.4
24...	1054	80513	--	90.0	149	44	6.9	8.0	9.5
24...	1055	80513	80010	100	149	44	6.8	7.0	9.5
24...	1056	80513	--	110	149	44	6.8	6.5	9.5
24...	1058	80513	--	120	149	44	6.8	6.0	9.4
24...	1100	80513	--	130	149	44	6.7	6.0	9.4
24...	1102	80513	--	140	149	44	6.7	6.0	9.3
24...	1105	80513	--	149	149	44	6.7	6.0	9.3

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
MAY												
24...	1020	.00	149	--	--	150	--	0	--	--	--	--
24...	1035	25.0	149	3	1.2	--	.8	--	.00	4.4	11	1.2
24...	1055	100	149	1	1.3	--	.6	--	1.0	5.0	12	1.3

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
MAY												
24...	1035	.8	17	<1.0	1.4	<.10	.100	.10	.20	--	--	<.010
24...	1055	.7	17	4.0	1.7	.20	.100	.00	.10	.30	1.3	<.010

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY											
24...	1035	<.010	40	1	10	2	20	20	<.1	4	10
24...	1055	<.010	50	1	10	7	50	<10	<.1	6	30

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
24...	1021	80513	80010	3.00	149	<.010	<.010	<.03	1.50	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN								
24...	0940	80513	.00	43	7.1	26.5	232	7.3
24...	0942	80513	10.0	43	7.2	26.0	--	7.3
24...	0944	80513	20.0	43	7.5	25.0	--	8.3
24...	0946	80513	23.0	43	8.4	24.0	--	9.4
24...	0948	80513	25.0	44	8.9	23.0	--	10.3
24...	0950	80513	26.0	44	8.9	22.0	--	10.4
24...	0952	80513	27.0	44	8.9	21.0	--	10.7
24...	0954	80513	28.0	44	8.9	20.0	--	10.8
24...	0956	80513	29.0	44	8.9	19.0	--	10.9
24...	0958	80513	30.0	44	8.9	18.0	--	10.9
24...	1000	80513	31.0	44	8.8	17.0	--	10.9
24...	1002	80513	32.0	44	8.7	16.0	--	11.0
24...	1004	80513	33.0	44	8.7	15.0	--	10.9
24...	1006	80513	35.0	44	8.5	14.0	--	10.8
24...	1008	80513	37.0	44	8.1	13.0	--	10.5
24...	1010	80513	40.0	44	7.7	12.5	--	9.7
24...	1012	80513	47.0	44	7.2	11.5	--	8.7
24...	1014	80513	50.0	44	7.1	11.0	--	8.5
24...	1016	80513	60.0	44	6.9	10.5	--	8.1
24...	1018	80513	70.0	44	6.9	9.5	--	8.1
24...	1020	80513	80.0	45	6.8	9.0	--	8.1
24...	1022	80513	90.0	45	6.8	8.0	--	8.2
24...	1024	80513	100	45	6.7	7.5	--	8.2
24...	1026	80513	110	46	6.6	6.5	--	8.0
24...	1028	80513	120	46	6.6	6.5	--	7.9
24...	1030	80513	130	46	6.6	6.5	--	7.9
24...	1032	80513	140	46	6.6	6.5	--	7.8
24...	1035	80513	149	46	6.6	6.5	--	7.8

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUL									
27...	1200	80513	--	.00	45	7.0	29.5	232	7.2
27...	1202	80513	--	10.0	45	7.0	29.5	--	7.2
27...	1204	80513	--	20.0	45	7.0	29.5	--	7.1
27...	1206	80513	--	23.0	45	7.1	28.5	--	7.8
27...	1208	80513	--	24.0	45	7.2	27.0	--	8.8
27...	1210	80513	--	25.0	45	7.4	26.0	--	9.4
27...	1212	80513	--	26.0	45	7.8	25.0	--	10.0
27...	1214	80513	--	27.0	45	8.1	24.0	--	10.2
27...	1216	80513	--	29.0	45	8.3	23.0	--	10.6
27...	1218	80513	--	30.0	46	8.4	22.0	--	10.8
27...	1220	80513	--	32.0	46	8.5	21.0	--	10.9
27...	1222	80513	--	33.0	46	8.5	19.5	--	10.9
27...	1224	80513	--	34.0	46	8.5	18.5	--	11.0
27...	1226	80513	--	36.0	46	8.4	17.5	--	11.0
27...	1228	80513	--	37.0	46	8.3	16.5	--	11.1
27...	1230	80513	--	38.0	46	8.1	15.5	--	11.0
27...	1232	80513	--	40.0	46	8.0	14.5	--	10.8
27...	1234	80513	--	44.0	46	7.8	13.5	--	10.0
27...	1236	80513	--	48.0	46	7.6	12.5	--	8.5
27...	1238	80513	--	50.0	46	7.4	12.0	--	8.1
27...	1240	80513	--	60.0	47	7.3	11.0	--	7.6
27...	1242	80513	--	70.0	47	7.2	10.0	--	7.5
27...	1244	80513	--	80.0	48	7.1	9.0	--	7.6
27...	1246	80513	--	90.0	48	7.0	8.5	--	7.7
27...	1248	80513	--	100	48	6.9	8.0	--	7.7
27...	1250	80513	--	110	48	6.9	7.0	--	7.5
27...	1252	80513	--	120	49	6.8	7.0	--	7.1
27...	1254	80513	--	130	49	6.7	6.5	--	6.9
27...	1256	80513	--	140	49	6.7	6.5	--	6.8
27...	1300	80513	--	148	50	6.6	6.5	--	6.7

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUL										
22...	1231	80513	80010	3.00	150	.190	.190	.58	.600	<.100

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
AUG									
23...	1030	80513	80513	.00	147	44	7.1	28.5	7.4
23...	1032	80513	--	10.0	147	43	7.2	28.0	7.4
23...	1034	80513	--	20.0	147	43	7.3	28.0	7.4
23...	1035	80513	80010	25.0	147	43	7.3	27.5	7.5
23...	1036	80513	--	28.0	147	43	7.3	26.5	8.6
23...	1038	80513	--	30.0	147	43	7.5	25.5	9.7
23...	1040	80513	--	32.0	147	44	8.1	24.5	10.2
23...	1042	80513	--	33.0	147	44	8.3	23.0	10.4
23...	1044	80513	--	34.0	147	44	8.2	22.0	10.4
23...	1046	80513	--	35.0	147	44	8.2	21.0	10.5
23...	1048	80513	--	36.0	147	44	8.1	20.0	10.5
23...	1050	80513	--	37.0	147	44	8.0	19.0	10.5
23...	1052	80513	--	38.0	147	44	7.9	18.0	10.5
23...	1054	80513	--	40.0	147	44	7.8	17.0	10.3
23...	1056	80513	--	42.0	147	44	7.7	16.0	10.0
23...	1058	80513	--	44.0	147	44	7.5	15.0	9.0
23...	1100	80513	--	46.0	147	44	7.4	14.0	8.2
23...	1102	80513	--	48.0	147	44	7.2	13.0	7.6
23...	1104	80513	--	50.0	147	44	7.1	12.5	7.3
23...	1106	80513	--	60.0	147	45	6.9	11.5	6.7
23...	1108	80513	--	70.0	147	45	6.8	10.5	6.6
23...	1110	80513	--	80.0	147	46	6.7	10.0	6.6
23...	1112	80513	--	90.0	147	46	6.7	9.5	6.6
23...	1115	80513	80010	100	147	46	6.6	8.5	6.8
23...	1116	80513	--	110	147	47	6.6	7.5	6.5
23...	1118	80513	--	120	147	48	6.6	7.0	5.8
23...	1120	80513	--	130	147	48	6.6	7.0	5.6
23...	1122	80513	--	140	147	48	6.6	7.0	5.3
23...	1125	80513	--	147	147	48	6.6	7.0	5.3

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
AUG												
23...	1030	.00	147	--	--	222	--	>170	--	--	--	--
23...	1035	25.0	147	8	1.1	--	.9	--	.00	4.0	10	1.0
23...	1115	100	147	10	2.4	--	.7	--	.00	4.5	11	1.2

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
AUG												
23...	1035	.8	17	3.0	1.4	<.10	<.010	--	<.10	--	--	<.010
23...	1115	.7	18	4.0	1.4	.23	.050	.25	.30	.53	2.3	<.010

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG											
23...	1035	<.010	40	1	20	5	80	10	<.1	5	110
23...	1115	<.010	100	1	10	6	150	20	<.1	6	40

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP								
28...	1030	80513	.00	44	7.6	23.0	265	8.1
28...	1031	80513	3.00	44	7.6	23.0	--	8.1
28...	1032	80513	10.0	44	7.6	23.0	--	8.0
28...	1034	80513	20.0	44	7.6	23.0	--	7.9
28...	1036	80513	30.0	44	7.6	23.0	--	7.9
28...	1038	80513	32.0	44	7.6	22.0	--	8.4
28...	1040	80513	33.0	44	7.4	21.0	--	8.9
28...	1042	80513	34.0	44	7.4	20.0	--	9.5
28...	1044	80513	36.0	44	7.4	19.0	--	9.6
28...	1046	80513	37.0	44	7.4	18.0	--	9.4
28...	1048	80513	40.0	44	7.4	17.0	--	8.6
28...	1050	80513	41.0	44	7.2	16.0	--	8.3
28...	1052	80513	43.0	44	7.2	15.0	--	8.0
28...	1054	80513	46.0	44	7.1	14.0	--	7.1
28...	1056	80513	50.0	44	7.0	13.0	--	6.6
28...	1058	80513	55.0	44	6.9	12.0	--	6.4
28...	1100	80513	60.0	44	6.8	11.5	--	6.1
28...	1102	80513	70.0	46	6.8	10.5	--	6.1
28...	1104	80513	80.0	46	6.7	9.5	--	6.1
28...	1106	80513	90.0	46	6.7	9.0	--	6.1
28...	1108	80513	100	46	6.8	8.0	--	6.0
28...	1110	80513	110	48	6.8	7.5	--	5.4
28...	1112	80513	120	48	6.7	7.5	--	4.5
28...	1114	80513	130	48	6.6	7.0	--	4.2
28...	1116	80513	140	48	6.6	7.0	--	4.0
28...	1120	80513	144	50	6.6	7.0	--	3.8

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP 28...	1031	80513	80010	3.00	144	.010	<.010	.03	.400	<.100

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, AR

LOCATION.--Lat 35°31'02", long 91°59'50", in NE 1/4 sec.7, T.10 N., R.9 W., Cleburne County, Hydrologic Unit 11010014, on right bank 1,600 ft (488 m) downstream from Greers Ferry Dam, 3.0 mi (4.8 km) northeast of Heber Springs, and at mile 78.8 (126.8 km).

DRAINAGE AREA.--1,153 mi^2 (2,986 km^2).

PERIOD OF RECORD.--November 1949 to September 1952, water years 1955-71, December 1973 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: November 1949 to September 1952, water years 1968-71.

REMARKS.--Flow regulated by Greers Ferry Lake.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 22...	1040	80513	--	49	6.5	11.5	7.4
NOV 18...	0920	80513	--	51	6.9	9.0	10.5
DEC 14...	0940	80513	80010	45	6.7	9.5	7.6

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC 14...	0940	3	4.4	.9	K3	13	.00	4.4	11	.6	.7

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
DEC 14...	0940	13	6.3	1.6	.18	.060	.22	.28	.46	2.0	.030	<.010

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC 14...	0940	20	1	10	2	70	2	80	.1	3	50

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN 25...	1000	80513	--	50	6.6	6.5	11.1
FEB 18...	0915	80513	--	44	7.0	6.0	11.8
MAR 19...	1300	80513	--	46	7.3	7.0	11.6
APR 22...	0915	80513	--	46	7.1	7.5	11.0
MAY 24...	0945	80513	80010	51	8.5	11.0	14.4

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
MAY 24...	0945	3	1.0	1.9	2	17	2.0	4.7	12	1.3	.9

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
MAY 24...	0945	15	<1.0	1.4	.10	.080	.22	.30	.40	1.8	.050	.020

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 24...	0945	40	1	10	3	40	5	20	<.1	5	<10

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 24...	0915	80513	--	49	7.1	11.5	12.9
JUL 27...	1115	80513	--	49	8.3	13.0	14.3
AUG 23...	1000	80513	80010	50	7.4	10.0	12.7

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
AUG 23...	1000	7	2.6	2.1	36	16	.00	4.6	12	1.1	.9

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG 23...	1000	19	4.0	1.5	.27	.070	.33	.40	.67	3.0	.040	.040

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG 23...	1000	80	1	10	4	150	5	50	<.1	8	90

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 28...	0945	80513	49	7.5	13.0	11.6

07076200 LITTLE RED RIVER NEAR WILBURN, AR

LOCATION.--Lat 35°29'33", long 91°58'21", in SW 1/4 SW 1/4 sec.16, T.10 N., R.9 W., Cleburne County, Hydrologic Unit 11010014, temperature recorder just upstream from bridge on State Highway 110, 4.0 mi (6.4 km) southwest of Wilburn.

DRAINAGE AREA.--1,196 mi^2 (3,098 km^2).

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

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: April 1968 to September 1982.

REMARKS.--Flow regulated by upstream reservoirs.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT 27...	0900	9827	9827	20	6.9	7.0	8.0	1.5	9.2	77	1.3
DEC 01...	0815	9827	9827	20	7.0	7.0	8.0	1.5	9.4	79	1.0
JAN 26...	0850	9827	9827	20	6.9	-5.0	5.0	9.3	12.2	95	1.5
FEB 16...	0730	9827	9827	20	7.0	14.0	7.0	3.0	11.5	94	.5
MAR 16...	0750	9827	9827	20	6.8	20.0	10.0	5.0	11.0	--	.7
APR 20...	0805	9827	9827	20	6.8	17.0	9.0	2.0	10.7	92	1.1
MAY 11...	0820	9827	9827	20	6.9	17.0	9.0	--	10.4	90	1.3
JUN 22...	0745	9827	9827	20	6.9	20.0	15.0	2.5	10.3	101	1.7
AUG 17...	0800	9827	9827	20	6.6	25.0	10.0	3.0	8.1	72	.6
SEP 14...	0750	9827	9827	20	6.7	24.0	10.0	10	8.2	73	1.5

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 27...	30	18	4.0	5.0	37	.05	2	.23	.050	<.010	<.010
DEC 01...	56	22	3.0	4.0	35	.05	4	.20	.040	.020	<.010
JAN 26...	20	14	4.0	4.5	30	.04	8	.59	.020	.030	<.010
FEB 16...	<4	16	1.0	4.0	21	.03	8	.15	.020	.030	<.010
MAR 16...	20	24	4.0	2.5	37	.05	5	.17	.040	.010	.010
APR 20...	34	24	5.0	2.5	25	.03	2	.13	.010	.010	<.010
MAY 11...	8	20	<1.0	3.5	41	.06	<1	.16	.060	.010	<.010
JUN 22...	38	18	7.0	4.0	43	.06	<1	.10	.030	.010	<.010
AUG 17...	84	--	3.0	2.5	34	.05	2	.23	.030	.010	<.010
SEP 14...	64	18	3.0	4.0	33	.04	2	.21	.030	.010	<.010

07076200 LITTLE RED RIVER NEAR WILBURN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT 27...	0900	<5	1	2	16	<5	38
DEC 01...	0815	<5	<1	1	15	<5	140
JAN 26...	0850	<5	3	1	27	5	120
FEB 16...	0730	<5	6	<1	--	<5	150
MAR 16...	0750	<5	1	<1	20	<5	79
APR 20...	0805	<5	1	2	<10	<5	15
MAY 11...	0820	<5	<1	<1	<10	<5	21
JUN 22...	0745	<5	1	5	<10	--	28
AUG 17...	0800	<5	1	<1	<10	<5	14
SEP 14...	0750	<5	1	<1	18	<5	51

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN 26...	0850	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR 20...	0805	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG 17...	0800	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07076634 LITTLE RED RIVER AT JUDSONIA, AR

LOCATION.--Lat 35°15'48", long 91°38'12", in NW 1/4 NW 1/4 sec.3, T.7 N., R.6 W., White County, Hydrologic Unit 11010014, on county road, 0.3 mi (0.5 km) south of Judsonia, and 0.5 mi (0.8 km) downstream from Corley Branch.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT 20...	1000	9827	9827	6.9	19.0	15.0	45	7.1	70	2.2	--
NOV 17...	0950	9827	9827	7.2	19.0	11.0	6.2	10.2	92	2.4	<4
DEC 15...	1050	9827	9827	7.2	11.0	8.0	6.5	11.9	100	1.2	8
JAN 26...	1100	9827	9827	6.6	2.0	4.0	25	--	--	1.1	100
FEB 16...	1220	9827	9827	7.0	19.0	8.0	4.5	11.8	99	.6	10
MAR 23...	1100	9827	9827	7.0	23.0	15.0	7.0	10.1	99	1.5	16
APR 27...	1130	9827	9827	6.9	22.0	11.0	10	10.8	97	--	360
MAY 25...	1115	9827	9827	6.8	24.0	20.0	20	8.7	97	.9	88
JUN 15...	1130	9827	9827	7.0	32.0	20.0	20	10.2	111	1.6	46
JUL 06...	1125	9827	9827	6.4	30.0	26.0	20	7.5	91	1.7	62
AUG 17...	1045	9827	9827	6.9	28.0	21.0	25	8.3	92	1.5	210
SEP 14...	1045	9827	9827	7.0	29.0	25.0	15	9.6	114	3.4	120

DATE	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 20...	18	4.0	9.0	60	.08	33	.30	.190	.210	.120
NOV 17...	22	3.0	5.0	42	.06	6	--	.070	.080	<.010
DEC 15...	26	5.0	5.0	41	.06	6	.25	.170	.100	.030
JAN 26...	16	5.0	4.5	39	.05	17	--	.090	.100	.020
FEB 16...	20	3.0	4.5	28	.04	4	--	.070	.040	<.010
MAR 23...	22	5.0	5.5	31	.04	10	.25	.050	.050	<.010
APR 27...	20	3.0	3.0	39	.05	21	.16	.050	.040	<.010
MAY 25...	28	<1.0	5.0	34	.05	28	.14	.020	.020	.020
JUN 15...	18	1.0	4.0	46	.06	24	.16	.040	--	<.010
JUL 06...	22	3.0	5.0	43	.06	22	.31	.050	.060	.010
AUG 17...	22	4.0	4.0	46	.06	40	.23	.070	--	--
SEP 14...	18	3.0	4.5	41	.06	14	.05	.040	.100	.060

07076634 LITTLE RED RIVER AT JUDSONIA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT 20...	1000	<5	12	1	<10	--	<5	26
NOV 17...	0950	<5	3	25	13	--	<5	12
DEC 15...	1050	11	10	3	13	--	7	47
JAN 26...	1100	<5	2	<1	<10	--	6	52
FEB 16...	1220	9	--	1	14	--	<5	17
MAR 23...	1100	<5	1	<1	13	--	--	14
APR 27...	1130	<5	2	6	19	--	<5	27
MAY 25...	1115	5	--	--	<10	--	<5	8
JUN 15...	1130	<5	<1	6	11	--	<5	42
JUL 06...	1125	<5	2	--	22	<1.0	<5	27
AUG 17...	1045	<5	2	<1	<10	--	<5	16
SEP 14...	1045	<5	2	<1	19	--	<5	10

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC 15...	1050	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB 16...	1220	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN 15...	1130	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP 14...	1045	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07077000 WHITE RIVER AT DEVALLS BLUFF, AR

LOCATION.--Lat 34°47'25", long 91°26'45", in SE 1/4 sec.17, T.2 N., R.4 W., Prairie County, Hydrologic Unit 08020301, near center of span on downstream side of bridge on U.S. Highway 70, 1.0 mi (1.6 km) northeast of DeValls Bluff, 7.5 mi (12.1 km) downstream from Wattensaw Bayou, 24.1 mi (38.8 km) upstream from Cache River, and at mile 125.3 (201.6 km).

DRAINAGE AREA.--23,483 mi^2 (60,821 km^2).

PERIOD OF RECORD.--December 1967 to September 1970, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: May 1963 to September 1970.

REMARKS.--Flow regulated by upstream reservoirs.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
06...	0930	9827	9827	5460	8.3	24.0	22.0	--	8.8	100	--
NOV											
03...	1000	9827	9827	5850	8.1	20.0	15.0	30	9.6	94	1.8
DEC											
08...	1015	9827	9827	5090	8.2	16.0	10.0	--	11.7	104	2.1
JAN											
05...	0945	9827	9827	6400	8.1	10.0	9.0	55	12.3	106	1.5
FEB											
09...	1020	9827	9827	52000	7.6	-1.0	1.0	130	11.8	83	1.6
MAR											
09...	1445	9827	9827	42500	7.9	16.0	10.0	35	10.8	96	2.1
APR											
06...	0945	9827	9827	33500	7.6	8.0	14.0	45	10.1	97	2.1
MAY											
04...	1510	9827	9827	27400	7.8	28.0	22.0	45	8.8	100	3.2
JUN											
01...	0930	9827	9827	15100	8.0	21.0	24.0	30	--	--	1.2
29...	0900	9827	9827	21900	7.9	28.0	24.0	45	7.8	92	.6
JUL											
20...	1430	9827	9827	12400	7.9	33.0	31.0	20	--	--	1.9
AUG											
17...	1015	9827	9827	8330	8.0	27.0	26.0	30	8.0	98	1.8
SEP											
14...	1000	9827	9827	10300	8.1	29.0	26.0	40	8.2	100	2.7

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
06...	8	182	5.0	6.0	187	.25	--	.10	.040	.040	--
NOV											
03...	88	146	8.0	8.5	168	.23	30	.16	.030	.050	.020
DEC											
08...	20	156	7.0	7.5	170	.23	20	.08	.010	.050	<.010
JAN											
05...	16	142	8.0	8.0	161	.22	65	.22	.010	.110	<.010
FEB											
09...	200	62	--	5.0	140	.19	--	.52	.100	.230	.100
MAR											
09...	16	110	<1.0	5.5	142	.19	39	.28	.040	.070	.010
APR											
06...	80	106	--	9.0	142	.19	46	--	.050	.100	.020
MAY											
04...	20	11	4.0	4.5	138	.19	78	.20	.030	.100	.020
JUN											
01...	4	126	6.0	6.0	151	.21	52	.16	.020	--	.030
29...	40	--	6.0	6.5	137	.19	60	.19	.030	.050	.010
JUL											
20...	12	156	5.0	--	164	.22	28	.03	.010	--	.010
AUG											
17...	64	148	6.0	9.5	171	.23	44	.12	--	<.010	<.010
SEP											
14...	80	140	5.0	7.0	149	.20	78	.13	.020	.080	.020

07077000 WHITE RIVER AT DEVALLS BLUFF, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	0930	5	<1	2	<10	--	--	--
NOV								
03...	1000	<5	<1	3	<10	--	6	--
DEC								
08...	1015	<5	<1	--	<10	--	<5	8
JAN								
05...	0945	<5	<1	4	<10	--	<5	15
FEB								
09...	1020	<5	<1	--	10	--	<5	35
MAR								
09...	1445	<5	<1	<1	<10	--	<5	--
APR								
06...	0945	<5	<1	--	--	--	<5	10
MAY								
04...	1510	<5	<1	--	<10	--	<5	4
JUN								
01...	0930	13	<1	<1	<10	--	16	--
29...	0900	5	--	2	8	--	--	--
JUL								
20...	1430	<5	<1	<1	<10	<1.0	<5	17
AUG								
17...	1015	5	<1	<1	<10	--	<5	3
SEP								
14...	1000	<5	<1	5	<10	--	<5	5

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV											
03...	1000	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB											
09...	1020	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
04...	1510	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
17...	1015	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07077380 CACHE RIVER AT EGYPT, AR

LOCATION.--Lat 35°51'28", long 90°56'00", in NW 1/4 SE 1/4 sec.12, T.14 N., R.1 E., Craighead County, Hydrologic Unit 08020302, on right bank on downstream side of bridge on State Highway 91, 1.0 mi (1.6 km) southeast of Egypt, 2.2 mi (3.5 km) northwest of Winesburg, and at mile 143 (230 km).

DRAINAGE AREA.--701 mi^2 (1,816 km^2).

PERIOD OF RECORD.--October 1964 to current year. Daily stages and results of discharge measurements for July 1937 to December 1940, and December 1944 to date are published in reports of Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1972: 1966. WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 222.99 ft (67.967 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--18 years, 801 ft^3/s (22.7 m^3/s), 15.52 in/yr (394 mm/yr), 580,300 acre-ft/yr (716 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,940 ft^3/s (253 m^3/s) Jan. 6, 1966, gage height, 21.88 ft (6.669 m); minimum, 0.90 ft^3/s (0.025 m^3/s) Oct. 17, 1980, gage height, 2.41 ft (0.735 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,790 ft^3/s (136 m^3/s) Feb. 3, gage height, 18.82 ft (5.736 m); minimum daily, 7.0 ft^3/s (0.198 m^3/s) Dec. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	83	20	59	4700	306	16	319	55	419	524	457
2	60	128	137	67	4750	284	18	187	33	600	401	456
3	55	1150	199	482	4770	247	197	111	28	403	280	697
4	50	1470	164	1360	4700	229	666	67	35	239	211	728
5	50	996	109	1530	4480	219	577	40	42	162	166	551
6	45	758	74	1230	4290	198	309	28	31	118	155	376
7	45	526	58	770	4130	311	177	533	26	90	166	301
8	45	314	50	419	3760	311	416	1190	22	219	243	258
9	40	200	40	247	3740	267	503	1190	22	309	309	230
10	40	128	35	169	3520	213	258	866	80	467	406	213
11	40	91	30	130	3250	175	158	401	394	517	369	192
12	35	67	25	100	3150	134	92	163	283	396	307	183
13	35	56	20	75	2500	126	58	79	201	243	319	177
14	35	80	20	60	2030	401	40	40	136	165	880	196
15	50	70	15	45	2160	1370	42	27	102	120	1540	203
16	75	60	15	35	2330	1620	88	20	392	98	2450	283
17	137	55	10	30	2380	1220	741	19	1130	96	2830	244
18	607	50	10	25	2220	621	912	17	1030	103	2840	184
19	289	45	9.5	20	1950	327	521	17	615	98	2570	142
20	120	40	8.5	20	1650	221	426	124	337	93	1970	122
21	69	40	7.5	1100	1350	166	514	125	212	104	1110	105
22	51	35	7.0	2740	993	108	301	43	163	112	592	71
23	76	30	73	4020	633	63	180	19	137	136	359	49
24	98	30	525	4190	441	44	112	17	111	165	617	44
25	93	30	554	4180	340	35	63	17	145	177	1340	32
26	660	25	377	4070	282	38	2310	344	482	174	1410	25
27	676	25	244	3860	250	33	3370	734	537	172	1220	25
28	493	20	169	3610	254	21	3100	480	572	171	979	25
29	319	20	123	3340	---	19	2060	278	621	212	852	20
30	200	20	91	3310	---	25	766	153	371	371	703	20
31	122	---	70	4260	---	27	---	80	---	524	530	---
TOTAL	4770	6642	3289.5	45553	71003	9379	18991	7728	8345	7273	28648	6609
MEAN	154	221	106	1469	2536	303	633	249	278	235	924	220
MAX	676	1470	554	4260	4770	1620	3370	1190	1130	600	2840	728
MIN	35	20	7.0	20	250	19	16	17	22	90	155	20
CFSM	.22	.32	.15	2.10	3.62	.43	.90	.36	.40	.34	1.32	.31
IN.	.25	.35	.17	2.42	3.77	.50	1.01	.41	.44	.39	1.52	.35
AC-FT	9460	13170	6520	90350	140800	18600	37670	15330	16550	14430	56820	13110

CAL YR 1981 TOTAL 123913.3 MEAN 339 MAX 3300 MIN 6.8 CFSM .48 IN 6.58 AC-FT 245800
WTR YR 1982 TOTAL 218230.5 MEAN 598 MAX 4770 MIN 7.0 CFSM .85 IN 11.58 AC-FT 432900

07077400 CACHE RIVER NEAR CASH, AR

LOCATION.--Lat 35°47'48", long 90°58'54", in SE 1/4 SE 1/4 sec.33, T.14 N., R.1 E., Craighead County, Hydrologic Unit 08020302, at bridge on State Highway 226, 2.5 mi (4.0 km) west of Cash.

DRAINAGE AREA.--735 mi^2 (1,904 km^2).

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
06...	1455	9827	9827	47	7.8	20.0	20.0	60	3.5
NOV									
03...	1400	9827	9827	1200	7.3	15.0	14.0	140	6.5
DEC									
08...	1345	9827	9827	52	7.6	13.0	10.0	--	9.9
JAN									
05...	1335	9827	9827	1600	7.2	10.0	5.0	>1000	10.3
FEB									
23...	1300	9827	9827	630	7.1	19.0	13.0	600	8.7
MAR									
09...	1615	9827	9827	280	7.3	12.0	8.0	150	11.4
APR									
20...	1550	9827	9827	460	7.0	20.0	17.0	750	8.1
MAY									
18...	1450	9827	9827	33	7.2	31.0	28.0	35	--
JUN									
08...	1500	9827	9827	40	7.9	--	--	210	8.5
JUL									
06...	1450	9827	9827	120	7.7	33.0	31.0	100	6.8
AUG									
03...	1550	9827	9827	300	8.0	32.0	30.0	50	7.0
31...	1520	9827	9827	570	7.6	34.0	27.0	65	6.2
SEP									
28...	1355	9827	9827	26	8.1	26.0	21.0	70	8.6

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT									
06...	38	27	3.7	--	180	8.0	--	286	.39
NOV									
03...	63	48	7.6	>240	68	12	15	185	.25
DEC									
08...	88	43	4.1	--	78	16	25	264	.36
JAN									
05...	80	61	6.0	<4	52	22	--	472	.64
FEB									
23...	82	45	3.4	--	34	12	5.5	3	.00
MAR									
09...	96	35	2.2	<10	36	15	9.5	222	.30
APR									
20...	84	54	3.6	--	42	17	5.0	386	.53
MAY									
18...	--	40	4.7	230	42	9.0	7.0	264	.36
JUN									
08...	--	38	5.4	330	66	17	9.5	192	.26
JUL									
06...	91	28	4.1	140	102	12	20	189	.26
AUG									
03...	92	23	3.6	28	146	7.0	11	232	.32
31...	77	20	1.8	60	110	12	12	191	.26
SEP									
28...	96	24	2.6	40	148	6.0	23	233	.32

07077400 CACHE RIVER NEAR CASH, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
06...	64	.15	.130	.77	.90	1.1	4.6	.010	.060
NOV									
03...	176	.20	.050	.75	.80	1.0	4.4	.440	.200
DEC									
08...	154	--	.120	.98	1.10	--	--	.370	.180
JAN									
05...	407	.88	.510	1.9	2.40	3.3	15	.800	--
FEB									
23...	393	.22	.170	--	--	--	--	.590	.100
MAR									
09...	91	--	.170	.83	1.00	--	--	.290	<.010
APR									
20...	336	.47	.290	2.3	2.60	3.1	14	.580	.330
MAY									
18...	196	.33	.120	1.7	1.80	2.1	9.4	.500	.320
JUN									
08...	185	.10	.060	1.7	1.80	1.9	8.4	--	.120
JUL									
06...	122	.45	.060	--	--	--	--	.150	.060
AUG									
03...	78	--	.050	.75	.80	--	--	--	.020
31...	124	.16	.070	--	--	--	--	--	.090
SEP									
28...	92	.03	.060	--	--	--	--	.180	.060

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	1455	--	<1	--	<10	--	<5	--
NOV								
03...	1400	6	<1	8	<10	--	<5	--
DEC								
08...	1345	6	<1	11	13	--	<5	76
JAN								
05...	1335	6	<1	22	19	--	--	57
FEB								
23...	1300	8	<1	15	15	--	<5	84
MAR								
09...	1615	<5	<1	5	10	--	5	70
APR								
20...	1550	6	<1	19	28	--	<5	80
MAY								
18...	1450	--	<1	6	<10	--	<5	50
JUN								
08...	1500	<5	<1	--	15	--	--	26
JUL								
06...	1450	8	<1	<1	<10	<1.0	<5	33
AUG								
03...	1550	12	<1	4	<10	--	<5	27
31...	1520	<5	<1	1	14	--	<5	24
SEP								
28...	1355	6	<1	1	<10	--	<5	8

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
08...	1345	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB											
23...	1300	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
09...	1615	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
08...	1500	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
31...	1520	.00	.00	.00	.00	.00	.00	.00	.01	0	.00

07077500 CACHE RIVER AT PATTERSON, AR

LOCATION.--Lat 35°16'10", long 91°14'15", in SE 1/4 sec.31, T.8 N., R.2 W., Woodruff County, Hydrologic Unit 08020302, at bridge on U.S. Highway 64 at Patterson, 10.9 mi (17.5 km) upstream from Maple Slough, and at mile 77.2 (124.2 km).

DRAINAGE AREA.--1,037 mi^2 (2,686 km^2).

PERIOD OF RECORD.--October 1952 to May 1955, October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT											
06...	1045	80513	80010	406	7.8	21.5	4.5	51	1.9	K89	K50
DEC											
01...	1015	80513	80010	268	7.4	10.5	5.7	51	2.8	K130	220
FEB											
08...	0945	80513	80010	56	7.3	.0	12.4	85	1.4	K44	K120
APR											
13...	1000	80513	80010	86	7.1	13.0	8.5	80	2.4	260	490
JUN											
09...	1015	80513	80010	118	7.4	25.0	5.1	61	2.9	K180	230
AUG											
03...	1010	80513	80010	348	7.9	26.0	3.8	46	3.4	K89	K70

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
OCT											
06...	150	.00	39	12	18	.7	4.1	180	5.0	15	.2
DEC											
01...	97	.00	25	8.4	15	.7	4.1	110	7.5	9.7	.1
FEB											
08...	16	1.0	3.9	1.6	8.9	1.0	1.0	15	9.0	5.5	<.1
APR											
13...	28	6.0	6.9	2.6	9.8	.9	.7	22	9.0	8.3	.2
JUN											
09...	40	2.0	10	3.6	12	.9	.8	38	11	8.1	.3
AUG											
03...	130	.00	33	11	20	.8	2.0	158	12	9.5	.3

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT											
06...	.14	.12	.50	.030	.030	.10	.17	.15	.090	.12	.69
DEC											
01...	.11	--	--	.020	<.010	--	.13	.15	.150	.19	.18
FEB											
08...	--	--	--	--	--	--	.40	.60	.160	.21	1.2
APR											
13...	.48	.73	3.2	.160	.020	.07	.64	.75	.150	.19	1.2
JUN											
09...	.86	.91	4.0	.240	.020	.07	1.1	.93	.120	.15	1.2
AUG											
03...	.31	.33	1.5	.040	.010	.03	.35	.34	.090	.12	.79

07077500 CACHE RIVER AT PATTERSON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)
OCT 06...	1.1	.79	.00	1.2	.96	4.3	1.4	.250	.77	.170
DEC 01...	.26	.34	.00	.41	.47	2.1	.56	.220	.67	.060
FEB 08...	1.3	1.40	.00	1.5	1.8	8.0	2.6	.280	.86	.080
APR 13...	.58	1.50	.77	.73	2.1	9.5	1.5	.310	.95	.080
JUN 09...	.48	1.70	1.1	.60	2.8	12	1.5	.500	1.5	.110
AUG 03...	.91	.90	.00	1.0	1.3	5.5	1.3	.190	.58	.060

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
OCT 06...	1045	--	--	<10	--	--	--	--
DEC 01...	1015	1300	2	30	<1	16	2	17
FEB 08...	0945	--	--	70	--	--	--	--
APR 13...	1000	--	--	80	--	--	--	--
JUN 09...	1015	--	--	70	--	--	--	--
AUG 03...	1010	--	--	120	--	--	--	--

DATE	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT 06...	--	--	--	--	--	--	--	--
DEC 01...	2300	5	1000	<.1	1	5	<1	60
FEB 08...	--	--	--	--	--	--	--	--
APR 13...	--	--	--	--	--	--	--	--
JUN 09...	--	--	--	--	--	--	--	--
AUG 03...	--	--	--	--	--	--	--	--

07077600 CACHE RIVER AT BRASFIELD, AR

LOCATION.--Lat 34°49'52", long 91°22'42", in NW 1/4 SE 1/4 sec.36, T.3 N., R.4 W., at Monroe-Prairie County line, Hydrologic Unit 08020302, at bridge on U.S. Highway 70 at Brasfield and 3.1 mi (5.0 km) downstream from Jackson Bayou.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT									
06...	1000	9827	9827	7.9	24.0	22.0	--	7.7	88
NOV									
03...	1025	9827	9827	7.4	20.0	15.0	55	7.0	69
DEC									
08...	1040	9827	9827	7.5	15.0	10.0	--	8.3	73
JAN									
05...	1010	9827	9827	7.8	10.0	9.0	55	10.9	94
FEB									
09...	1045	9827	9827	6.9	-1.0	1.0	180	10.9	77
MAR									
09...	1415	9827	9827	6.7	16.0	11.0	150	8.0	72
APR									
06...	1015	9827	9827	7.1	8.0	15.0	200	6.9	68
MAY									
04...	1445	9827	9827	6.9	28.0	23.0	200	6.9	79
JUN									
01...	1015	9827	9827	7.1	21.0	26.0	150	--	--
29...	0940	9827	9827	7.1	27.0	25.0	180	5.9	70
JUL									
20...	1410	9827	9827	7.4	33.0	32.0	75	--	--
AUG									
17...	1045	9827	9827	7.5	29.0	24.0	40	5.8	68
SEP									
14...	1030	9827	9827	7.6	29.0	27.0	40	5.6	69

DATE	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)
OCT									
06...	15	--	20	164	6.0	23	243	.33	--
NOV									
03...	26	2.0	490	70	21	15	168	.23	26
DEC									
08...	17	1.6	<4	102	8.0	22	181	.25	16
JAN									
05...	13	1.5	16	106	7.0	12	182	.25	58
FEB									
09...	30	1.7	50	24	--	6.0	203	.28	--
MAR									
09...	41	1.4	--	28	4.0	55	220	.30	44
APR									
06...	25	3.6	--	50	--	10	202	.27	87
MAY									
04...	33	3.1	40	32	5.0	4.0	229	.31	81
JUN									
01...	27	3.7	20	72	5.0	15	182	.25	125
29...	24	1.8	230	--	11	7.5	97	.13	88
JUL									
20...	26	4.8	4	88	8.0	--	170	.23	69
AUG									
17...	22	4.3	>600	120	8.0	13	194	.26	43
SEP									
14...	25	2.4	36	96	4.0	14	175	.24	45

07077600 CACHE RIVER AT BRASFIELD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT								
06...	.17	.040	.56	.60	.77	3.4	.090	--
NOV								
03...	.09	.080	--	<.10	--	--	.140	.100
DEC								
08...	.14	.140	.00	.07	.21	.93	.150	.070
JAN								
05...	.14	.080	.12	.20	.34	1.5	.150	<.010
FEB								
09...	.48	.110	.89	1.00	1.5	6.6	.360	.240
MAR								
09...	.32	.140	--	--	--	--	.260	.170
APR								
06...	--	.200	1.0	1.20	--	--	.330	.130
MAY								
04...	.25	.210	1.3	1.50	1.8	7.7	.390	.290
JUN								
01...	.45	.090	--	--	--	--	--	.140
29...	.49	.090	1.6	1.70	2.2	9.7	.340	.170
JUL								
20...	.30	.010	--	--	--	--	--	.050
AUG								
17...	.47	--	--	.60	1.1	4.7	.150	.030
SEP								
14...	.10	.060	.64	.70	.80	3.5	.150	.090

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	1000	<5	<1	4	<10	--	--	--
NOV								
03...	1025	<5	<1	2	<10	--	170	--
DEC								
08...	1040	<5	<1	--	<10	--	<5	7
JAN								
05...	1010	<5	<1	3	<10	--	<5	6
FEB								
09...	1045	15	<1	--	10	--	7	34
MAR								
09...	1415	6	<1	3	<10	--	<5	--
APR								
06...	1015	<5	<1	--	--	--	<5	37
MAY								
04...	1445	7	<1	--	11	--	<5	18
JUN								
01...	1015	<5	<1	<1	15	--	<5	--
29...	0940	<5	--	2	<10	--	--	--
JUL								
20...	1410	<5	<1	<1	<10	<1.0	<5	22
AUG								
17...	1045	7	<1	<1	<10	--	<5	4
SEP								
14...	1030	<5	<1	<1	<10	--	<5	7

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV											
03...	1025	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB											
09...	1045	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
04...	1445	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
17...	1045	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07077660 BAYOU DEVIEW NEAR GIBSON, AR

LOCATION.--Lat 35°47'36", long 90°50'18", in SW 1/4 SW 1/4 sec.36, T.14 N., R.2 E., Craighead County, Hydrologic Unit 08020302, at bridge on State Highway 226, 1.8 mi (2.9 km) northwest of Gibson.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
06...	1415	9827	9827	5.4	8.0	21.0	23.0	20	5.7	66	3.4
14...	1400	9827	9827	--	--	--	--	--	--	--	--
NOV											
03...	1335	9827	9827	86	7.3	16.0	15.0	110	7.8	76	7.4
DEC											
08...	1320	9827	9827	65	7.6	13.0	9.0	--	8.2	71	3.4
JAN											
05...	1310	9827	9827	86	7.3	10.0	5.0	320	11.2	88	6.9
FEB											
23...	1230	9827	9827	--	7.4	22.0	4.0	60	9.9	95	3.2
MAR											
09...	1550	9827	9827	28	7.5	12.0	10.0	45	12.5	111	2.6
APR											
20...	1520	9827	9827	34	7.2	21.0	19.0	75	8.9	95	3.1
MAY											
18...	1430	9827	9827	--	8.3	30.0	29.0	45	--	--	3.8
JUN											
08...	1440	9827	9827	--	8.1	--	--	40	4.0	--	--
JUL											
06...	1430	9827	9827	1.9	7.6	29.0	28.0	45	3.6	45	2.7
AUG											
03...	1520	9827	9827	17	7.7	34.0	31.0	50	4.1	55	6.4
31...	1450	9827	9827	44	7.7	34.0	28.0	25	6.1	77	2.2
SEP											
28...	1330	9827	9827	14	8.5	27.0	21.0	25	8.4	93	1.9

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
06...	220	110	32	--	348	.47	25	2.6	.040	7.00	4.50
14...	--	--	--	--	--	--	--	2.7	--	--	--
NOV											
03...	>600	70	18	19	217	.30	89	1.8	.210	2.35	1.90
DEC											
08...	4	94	26	32	248	.34	28	--	.130	2.30	1.90
JAN											
05...	60	46	19	--	308	.42	126	1.4	.300	1.15	--
FEB											
23...	20	38	19	15	--	--	24	.42	.780	1.35	>1.00
MAR											
09...	12	40	16	14	157	.21	22	--	.530	1.30	1.20
APR											
20...	470	38	16	9.5	139	.19	46	.68	.160	1.00	.730
MAY											
18...	110	50	14	20	172	.23	26	.74	.030	1.94	1.50
JUN											
08...	<4	70	25	28	182	.25	50	.73	.070	--	1.00
JUL											
06...	100	92	16	24	181	.25	64	.53	.230	1.35	.540
AUG											
03...	<4	130	12	11	218	.30	60	--	.190	--	.120
31...	150	132	13	24	227	.31	32	.02	.060	--	.370
SEP											
28...	140	80	27	58	279	.38	16	1.6	.050	4.55	--

07077660 BAYOU DEVIEW NEAR GIBSON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	1415	--	4	--	15	--	<5	--
NOV								
03...	1335	7	<1	5	13	--	<5	--
DEC								
08...	1320	8	<1	5	15	--	<5	39
JAN								
05...	1310	5	<1	13	15	--	--	71
FEB								
23...	1230	8	<1	3	11	--	<5	80
MAR								
09...	1550	<5	<1	<1	<10	--	<5	29
APR								
20...	1520	<5	<1	6	12	--	<5	54
MAY								
18...	1430	--	<1	2	<10	--	<5	24
JUN								
08...	1440	<5	<1	--	14	--	--	45
JUL								
06...	1430	7	<1	<1	<10	<1.0	<5	51
AUG								
03...	1520	10	<1	<1	23	--	<5	78
31...	1450	<5	<1	1	15	--	<5	37
SEP								
28...	1330	<5	<1	2	<10	--	<5	19

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
MAR											
09...	1550	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
08...	1440	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
31...	1450	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07077700 BAYOU DEVIEW AT MORTON, AR

LOCATION.--Lat 35°15'07", long 91°06'37", near center of secs.4, 5, 8, and 9, T.7 N., R.1 W., Woodruff County, Hydrologic Unit 08020302, at bridge on U.S. Highway 64, 1.0 mi (1.6 km) west of Morton, and at mile 39.6 (63.7 km).

DRAINAGE AREA.--421 mi^2 (1,090 km^2).

PERIOD OF RECORD.--October 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT											
06...	1130	80513	80010	426	8.0	19.5	5.0	54	1.0	K11	K10
DEC											
01...	1100	80513	80010	233	7.3	9.5	6.6	58	3.9	1700	4300
FEB											
08...	1015	80513	80010	78	7.0	.0	11.9	82	1.7	K33	250
APR											
13...	1100	80513	80010	87	6.9	12.5	7.4	69	2.6	K130	410
JUN											
09...	1100	80513	80010	143	7.3	25.0	5.0	60	5.0	K56	K70
AUG											
03...	1100	80513	80010	372	7.9	28.0	3.3	41	4.4	K170	--

DATE	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
OCT											
06...	170	.00	44	14	19	.7	4.5	170	13	21	.3
DEC											
01...	72	.00	18	6.5	14	.8	6.9	75	16	12	.1
FEB											
08...	24	5.0	6.3	2.0	8.6	.8	2.0	19	11	11	<.1
APR											
13...	28	8.0	6.9	2.5	8.9	.8	.9	20	12	7.7	.2
JUN											
09...	44	6.0	11	3.9	9.3	.7	3.1	38	14	6.8	.2
AUG											
03...	150	.00	38	13	19	.7	1.9	150	26	12	.3

DATE	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NITRITE DISSOLVED (MG/L AS NO2) (71856)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT											
06...	.06	--	--	.010	<.010	--	.07	.05	.050	.06	.71
DEC											
01...	.12	--	--	.020	<.010	--	.14	.18	.110	.14	.48
FEB											
08...	.26	--	--	.110	--	--	.37	--	.170	.22	1.2
APR											
13...	.34	.41	1.8	.120	.020	.07	.46	.43	.120	.15	1.1
JUN											
09...	.68	.67	3.0	.220	.130	.43	.90	.80	.470	.61	1.1
AUG											
03...	.78	.77	3.4	.220	.200	.66	1.0	.97	.180	.23	1.2

07077700 BAYOU DEVIEW AT MORTON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)
OCT 06...	.62	.75	.08	.67	.82	3.6	.72	.150	.46	.070
DEC 01...	.44	.55	.00	.55	.69	3.1	.84	.230	.71	.100
FEB 08...	1.3	1.40	.00	1.5	1.8	7.8	--	.260	.80	.070
APR 13...	.77	1.30	.41	.89	1.8	7.8	1.3	.350	1.1	.090
JUN 09...	1.0	1.80	.30	1.5	2.7	12	2.3	.560	1.7	.290
AUG 03...	1.0	1.40	.20	1.2	2.4	11	2.2	.160	.49	.080

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
OCT 06...	1130	--	--	60	--	--	--	--
DEC 01...	1100	1600	2	50	<1	15	3	10
FEB 08...	1015	--	--	60	--	--	--	--
APR 13...	1100	--	--	100	--	--	--	--
JUN 09...	1100	--	--	40	--	--	--	--
AUG 03...	1100	--	--	110	--	--	--	--

DATE	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT 06...	--	--	--	--	--	--	--	--
DEC 01...	1800	7	420	<.1	1	5	<1	50
FEB 08...	--	--	--	--	--	--	--	--
APR 13...	--	--	--	--	--	--	--	--
JUN 09...	--	--	--	--	--	--	--	--
AUG 03...	--	--	--	--	--	--	--	--

07077750 BAYOU DEVIEW NEAR BRASFIELD, AR

LOCATION.--Lat 34°50'21", long 91°17'04", in NW 1/4 NE 1/4 sec.35, T.3 N., R.3 W., Monroe County, Hydrologic Unit 08020302, at bridge on U.S. Highway 70, 1.4 mi (2.3 km) upstream from Big Rhobe Bayou, and 5.6 mi (9.0 km) northeast of Brasfield.

DRAINAGE AREA.--632 mi^2 (1,637 km^2).

PERIOD OF RECORD.--January 1955 to September 1957, April 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT											
06...	1030	9827	9827	7.7	24.0	22.0	--	3.9	44	--	68
NOV											
03...	1430	9827	9827	7.3	18.0	16.0	20	6.1	61	1.3	88
DEC											
08...	1100	9827	9827	7.4	15.0	10.0	--	7.7	68	.9	76
JAN											
05...	1035	9827	9827	7.4	10.0	9.0	20	9.9	85	1.6	8
FEB											
09...	1115	9827	9827	7.0	-1.0	1.0	150	12.1	85	1.1	<10
MAR											
09...	1345	9827	9827	6.7	16.0	11.0	85	6.3	57	1.4	4
APR											
06...	1045	9827	9827	6.7	9.0	15.0	95	7.0	69	1.5	7
MAY											
04...	1420	9827	9827	6.9	24.0	22.0	180	6.3	72	1.5	60
JUN											
01...	1045	9827	9827	7.1	22.0	26.0	70	--	--	1.1	12
29...	1015	9827	9827	7.1	27.0	25.0	65	5.7	68	.8	58
JUL											
20...	1330	9827	9827	7.3	33.0	32.0	30	--	--	1.0	8
AUG											
17...	1115	9827	9827	7.4	29.0	27.0	25	6.4	79	2.1	100
SEP											
14...	1100	9827	9827	7.7	29.0	27.0	20	6.0	74	1.7	60

DATE	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT										
06...	126	5.0	17	186	.25	--	.08	.130	.060	--
NOV										
03...	66	24	15	146	.20	10	.02	.020	.070	.050
DEC										
08...	62	11	14	129	.18	5	.04	.020	.100	.050
JAN										
05...	48	13	12	111	.15	2	.02	<.010	.090	.030
FEB										
09...	28	--	7.5	224	.30	--	.38	.100	.290	.220
MAR										
09...	36	2.0	7.5	178	.24	22	.17	.060	.210	.120
APR										
06...	32	--	8.5	158	.21	26	--	.110	.270	.160
MAY										
04...	30	6.0	4.0	240	.33	48	.25	.240	.370	.360
JUN										
01...	38	6.0	6.0	138	.19	44	.12	.050	--	.280
29...	--	11	8.0	136	.19	36	.15	.060	.190	.150
JUL										
20...	66	6.0	--	131	.18	14	.13	.060	--	.160
AUG										
17...	78	8.0	17	148	.20	20	.08	--	.030	--
SEP										
14...	128	9.0	14	205	.28	20	.01	.040	.080	.060

07077750 BAYOU DEVIEW NEAR BRASFIELD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	1030	10	<1	7	17	--	--	--
NOV								
03...	1430	<5	<1	5	21	--	19	--
DEC								
08...	1100	5	<1	--	12	--	8	33
JAN								
05...	1035	<5	<1	1	10	--	<5	14
FEB								
09...	1115	33	<1	--	<10	--	<5	29
MAR								
09...	1345	<5	<1	3	22	--	<5	--
APR								
06...	1045	<5	<1	--	--	--	<5	290
MAY								
04...	1420	11	<1	--	11	--	<5	12
JUN								
01...	1045	<5	<1	<1	22	--	<5	--
29...	1015	<5	--	<1	13	--	--	--
JUL								
20...	1330	<5	<1	<1	26	<1.0	<5	69
AUG								
17...	1115	<5	<1	<1	<10	--	<5	24
SEP								
14...	1100	<5	<1	<1	14	--	<5	46

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV											
03...	1430	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB											
09...	1115	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
06...	1045	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
29...	1015	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
20...	1330	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

WHITE RIVER BASIN

07077800 WHITE RIVER AT CLARENDON, AR

LOCATION.--Lat 34°41'08", long 91°18'55", in W 1/2 sec.22, T.1 N., R.3 W., Monroe County, Hydrologic Unit 08020303, at St. Louis Southwestern Railroad bridge at Clarendon, 1.1 mi (1.8 km) downstream from Cache River and at mile 100.1 (161.1 km).

DRAINAGE AREA.--25,555 mi^2 (66,187 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1965 to September 1980 in reports of Geological Survey. Gage-height records since 1884 are contained in reports of Mississippi River Commission and National Weather Service. Intermittent records of discharge since 1879 and daily discharges since Jan. 1, 1928, in reports of Mississippi River Commission.

REVISED RECORDS.--WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 139.91 ft (42.645 m) National Geodetic Vertical Datum of 1929, or 140.02 ft (42.678 m) above mean Gulf level. Prior to Sept. 16, 1970, nonrecording gage at present site and datum.

REMARKS.--Some regulation since 1943 by Norfork Lake, capacity, 1,983,000 acre-ft (2.45 km^3), since 1948 by Clearwater Lake (Missouri), capacity, 413,700 acre-ft (510 hm^3), since July 24, 1951, by Bull Shoals Lake, 307 mi (494 km) upstream, capacity, 5,408,000 acre-ft (6.67 km^3), since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft (4.40 km_2), and since Dec. 26, 1963, by Beaver Lake, capacity, 1,951,500 acre-ft (2.41 km^3).

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--52 years, 29,830 ft^3/s (845 m^3/s), 21,610,000 acre-ft/yr (26,600 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 299,000 ft^3/s (8,470 m^3/s) Apr. 23, 1945; maximum gage height, 39.10 ft (11.921 m) Apr. 24, 1945; minimum discharge, 2,900 ft^3/s (82 m^3/s) Sept. 4, 1936.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1874, 43.3 ft (13.20 m) Apr. 23, 1927.

EXTREMES FOR WATER YEAR 1979.--Maximum daily discharge, 50,400 ft^3/s (1,430 m^3/s) Apr. 15; minimum daily, 6,300 ft^3/s (178 m^3/s) Sept. 4, 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17400	14800	17300	29500	14700	18900	35700	32400	24300	17800	9400	7400
2	17000	14000	17100	29000	14700	18400	35100	31700	22900	18100	9900	6800
3	16600	15000	16900	28200	15200	18100	34400	29900	20900	17800	10600	6400
4	16700	16900	16700	27300	15900	18200	34300	27900	19200	16900	11500	6300
5	16900	17800	16400	26500	16200	18600	34100	25900	19400	16300	11800	6300
6	17300	17600	16000	26100	16200	19000	33900	24100	21000	15800	11300	6400
7	17600	16700	15800	26000	15600	19600	33600	23500	22100	14900	10500	6900
8	17700	15500	15900	25600	15100	20300	34100	22600	22300	14300	9700	7200
9	17400	14700	15700	25200	15400	20800	35700	20900	22200	14000	9100	7700
10	16900	14800	15100	25200	15700	21100	38000	18900	21900	14000	9400	8400
11	16400	16000	14400	25900	15800	21000	40500	17600	21300	14100	10500	9300
12	16200	17100	14000	26400	16200	20400	44200	16700	20400	14300	11100	9800
13	16700	17500	15200	26900	16500	19300	47100	16600	18900	14700	11200	10100
14	17500	17200	15900	27400	16600	18100	49500	17300	17400	15200	11100	9700
15	17700	16400	16000	27500	16600	17800	50400	18200	16200	15700	11200	8800
16	16900	15900	16400	27100	17000	19100	50100	20100	15100	16100	11600	8200
17	15600	16200	17000	26200	17700	24200	49300	22700	14100	16200	11700	7900
18	14100	16300	16800	25000	18200	27600	48900	24900	14300	16300	11400	7600
19	13000	16200	16400	23800	18700	29900	48100	26200	14900	16400	10700	7300
20	13500	15700	16300	23000	20100	31900	46900	27000	14500	16200	10000	6900
21	15500	15000	17100	22500	22000	33700	45400	27400	13800	15200	9500	6800
22	17400	14700	18000	22300	24000	34500	43400	27600	13400	14700	9500	6800
23	18500	14300	18300	22300	24600	34800	41300	27400	13600	14000	9900	6600
24	19300	14100	19600	21700	24200	36500	39500	27100	13700	12900	10200	6600
25	20000	14000	20600	20700	23100	37300	38000	26800	13700	11600	9800	7100
26	20700	14400	21800	19700	21600	36800	37000	26700	13900	10300	9100	7800
27	21100	15200	23900	18600	20400	35800	36300	26500	14200	9400	8300	8200
28	20600	15900	26100	17600	19700	35200	35200	26300	14900	9000	7900	8500
29	19200	16600	28000	16600	19200	34800	34000	26100	16000	8700	8000	8700
30	17600	17200	29600	15700	---	35400	33100	25800	17200	8600	8000	8900
31	16200	---	30600	15200	---	35800	---	25200	---	8900	7800	---
TOTAL	535200	473700	574900	740700	526900	812900	1207100	758000	527700	438400	311700	231400
MEAN	17260	15790	18550	23890	18170	26220	40240	24450	17590	14140	10050	7713
MAX	21100	17800	30600	29500	24600	37300	50400	32400	24300	18100	11800	10100
MIN	13000	14000	14000	15200	14700	17800	33100	16600	13400	8600	7800	6300
AC-FT	1062000	939600	1140000	1469000	1045000	1612000	2394000	1503000	1047000	869600	618300	459000

CAL YR 1979 TOTAL 16035600 MEAN 43930 MAX 137000 MIN 13000 AC-FT 31810000
WTR YR 1980 TOTAL 7138600 MEAN 19500 MAX 50400 MIN 6300 AC-FT 14160000

07077800 WHITE RIVER AT CLARENDON, AR--CONTINUED
(National stream-quality accounting network and pesticide station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1948 to 1967, October 1970 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1947 to September 1965, October 1974 to September 1981.
WATER TEMPERATURES: October 1948 to September 1965, October 1974 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (FTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
08...	1145	80513	80010	5700	324	8.4	21.0	9.4	7.5	83
NOV										
30...	1045	80513	80010	6000	293	8.2	11.0	14	10.8	97
FEB										
11...	1130	80513	80010	66600	123	7.4	1.0	100	12.1	85
APR										
27...	1000	80513	80010	27000	144	8.0	16.5	3.9	8.4	86
JUN										
30...	0900	80513	80010	23500	240	8.2	23.0	48	7.6	87
SEP										
03...	1000	80513	80010	14700	252	8.2	26.5	32	7.1	87

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
OCT										
08...	K20	K12	190	32	37	18	5.0	35	1.6	1.4
NOV										
30...	K33	162	150	6.0	32	16	4.9	7	.2	1.4
FEB										
11...	K50	260	56	9.0	14	5.1	4.3	14	.3	1.2
APR										
27...	380	800	92	3.0	22	9.0	4.1	9	.2	.4
JUN										
30...	140	120	120	7.0	30	11	6.2	10	.3	.8
SEP										
03...	210	K230	120	.00	25	13	3.9	7	.2	1.5

DATE	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
OCT									
08...	160	5.4	7.8	<.1	7.0	196	235	.27	3020
NOV									
30...	140	8.3	6.1	<.1	7.3	168	160	.23	2720
FEB									
11...	47	6.2	4.9	.2	5.8	88	71	.12	15800
APR									
27...	89	6.0	4.2	.2	4.9	114	105	.16	8560
JUN									
30...	113	7.0	8.7	.2	5.8	153	138	.21	9710
SEP									
03...	121	7.0	4.2	.1	7.6	143	135	.19	5680

07077800 WHITE RIVER AT CLARENDON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 08...	.06	.060	.08	.40	.070	.040	176	2710	19
NOV 30...	.12	.060	.08	.59	.080	.040	30	486	83
FEB 11...	2.7	.130	.17	1.20	.180	.050	204	36700	50
APR 27...	.19	.070	.09	.31	.150	.050	126	9460	89
JUN 30...	.22	.080	.10	.70	.090	.030	131	8310	89
SEP 03...	.17	.060	.08	.70	.110	.030	92	3650	89

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT 08...	1145	3	3	100	50	50	1	0	1	20
FEB 11...	1130	1	1	260	0	260	1	--	<1	10
APR 27...	1000	2	1	--	--	200	1	--	<3	20
SEP 03...	1000	2	1	100	60	43	1	--	<1	10

DATE	TIME	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
OCT 08...	1145	10	10	3	1	2	32	7	25	940	--
FEB 11...	1130	0	10	<1	--	<1	20	12	8	3800	3600
APR 27...	1000	10	10	2	--	<1	16	6	10	3100	2900
SEP 03...	1000	0	10	1	0	1	11	4	7	1800	1800

DATE	TIME	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT 08...	1145	<3	23	--	<1	150	--	<1	.5	--	<.1
FEB 11...	1130	200	18	14	4	220	190	35	.1	.0	.1
APR 27...	1000	160	14	13	1	200	190	13	<.1	--	<.1
SEP 03...	1000	6	13	10	3	150	150	2	<.1	--	<.1

WHITE RIVER BASIN

07077800 WHITE RIVER AT CLARENDON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG) (01076)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT 08...	1145	<1	<1	1	0	1	90	80	8
FEB 11...	1130	<1	<1	<1	--	<1	60	0	65
APR 27...	1000	<1	<1	<1	--	<5	30	--	--
SEP 03...	1000	<1	<1	<1	--	<1	30	30	5

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	MALATHION, TOTAL (UG/L) (39530)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39333)
OCT 08...	1145	<.10	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<0	32	<.1
APR 27...	1000	<.10	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<1	<1	<.1

DATE	CHLORDANE, TOTAL (UG/L) (39350)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG) (39363)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39368)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG) (39373)	DIAZINON, TOTAL (UG/L) (39570)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)
OCT 08...	<.10	5.0	<.01	.8	.4	<.1	.02	.3	<.01	<.1	<.1
APR 27...	<.10	<1.0	<.01	<.1	<.1	<.1	<.01	<.1	<.01	<.1	<.1

DATE	ETHION, TOTAL (UG/L) (39398)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL TRITHION, TOTAL (UG/L) (39790)	MIREX, TOTAL (UG/L) (39755)
OCT 08...	<.01	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.01
APR 27...	<.01	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.01

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) (39758)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) (39250)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39251)	PARATHION, TOTAL (UG/L) (39540)	PERTHANE IN BOTTOM MATERIL (UG/KG) (81886)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	TOTAL TRITHION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2, 4-DP TOTAL (UG/L) (82183)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)
OCT 08...	<.1	<.10	<1.0	<.01	<.10	<1.0	<.01	<.01	<.01	<.01	<.01
APR 27...	<.1	<.10	<1.0	<.01	<1.00	<10	<.01	.03	<.01	<.01	<.01

WHITE RIVER BASIN

07077820 WHITE RIVER AT ST. CHARLES, AR

LOCATION.--Lat 34°22'35", long 91°07'30", in SW 1/4 NE 1/4 sec.4, T.4 S., R.1 W., Arkansas County, Hydrologic Unit 08020303, at St. Charles Ferry on west bank at State Highway 1, and 0.4 mi (0.6 km) east of St. Charles.

DRAINAGE AREA.--25,809 mi^2 (66,845 km^2).

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT 06...	1020	9827	9827	8.3	23.0	22.0	20	8.3	94	3.9	24
NOV 03...	1430	9827	9827	8.0	16.0	15.0	35	9.8	96	2.6	16
DEC 08...	1420	9827	9827	8.0	17.0	10.0	35	12.6	96	2.6	4
JAN 05...	1430	9827	9827	8.2	12.0	6.0	8.0	12.7	102	1.4	10
FEB 23...	1000	9827	9827	7.5	18.0	9.0	60	9.2	79	3.0	8
MAR 09...	1020	9827	9827	7.7	7.0	9.0	30	10.6	91	3.2	4
APR 27...	1420	9827	9827	7.6	18.0	17.0	80	8.4	87	2.1	120
MAY 25...	1425	9827	9827	7.6	26.0	23.0	55	7.8	90	2.2	40
JUN 15...	1020	9827	9827	7.9	26.0	24.0	60	7.7	90	2.2	40
JUL 20...	1425	9827	9827	--	35.0	29.0	45	7.0	90	2.3	24
AUG 23...	1400	9827	9827	7.9	32.0	28.0	60	7.2	91	1.7	30
SEP 14...	1015	9827	9827	--	24.0	24.0	25	8.7	102	3.2	12

DATE	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 06...	166	5.0	7.0	178	.24	42	<.01	.010	--	<.010
NOV 03...	124	5.0	8.5	157	.21	45	.17	.040	.070	.020
DEC 08...	150	5.0	9.5	157	.21	45	.17	.040	.070	.020
JAN 05...	142	9.0	9.0	158	.21	16	.19	.030	.060	.010
FEB 23...	84	8.0	--	65	.09	35	--	.040	.130	.030
MAR 09...	110	8.0	7.0	142	.19	30	.14	.030	.070	.010
APR 27...	92	6.0	4.0	144	.20	77	.17	.070	.120	.050
MAY 25...	116	4.0	5.0	141	.19	70	.13	.040	.100	.030
JUN 15...	126	6.0	5.5	149	.20	110	.23	.030	.050	.010
JUL 20...	126	--	--	145	.20	89	.03	.030	.090	.020
AUG 23...	134	5.0	6.0	164	.22	106	.34	.010	--	.020
SEP 14...	--	--	--	--	--	--	.85	--	--	.010

07077820 WHITE RIVER AT ST. CHARLES, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	1020	<5	<1	<1	<10	--	--	10
NOV								
03...	1430	<5	--	7	<10	--	<5	<3
DEC								
08...	1420	<5	--	7	<10	--	<5	<3
JAN								
05...	1430	12	<1	4	<10	--	<5	3
FEB								
23...	1000	<5	<1	2	<10	--	<5	8
MAR								
09...	1020	<5	<1	<1	<10	--	<5	11
APR								
27...	1420	<5	<1	2	<10	--	<5	14
MAY								
25...	1425	5	<1	--	<10	--	<5	3
JUN								
15...	1020	<5	<1	5	11	--	<5	13
JUL								
20...	1425	<5	<1	<1	<10	<1.0	<5	17
AUG								
23...	1400	<5	<1	1	<10	--	<5	17

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT											
06...	1020	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JAN											
05...	1430	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
23...	1400	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07077950 BIG CREEK AT POPLAR GROVE, AR

LOCATION.--Lat 34°33'20", long 90°50"44", in sec.1, T.2 S., R.2 E., Phillips County, Hydrologic Unit 08020304, near right bank on downstream side of bridge on U.S. Highway 49, at Poplar Grove, 900 ft (274 m) upstream from Crooked Creek, and 3.9 mi (6.3 km) east of Marvel.

DRAINAGE AREA.--448 mi^2 (1,160 km^2), includes that of Crooked Creek. Area at site used prior to September 30, 1972, 459 mi^2 (1,189 km^2).

PERIOD OF RECORD.--October 1970 to current year. Prior to September 30, 1972, published as "07077952 Big Creek near Poplar Grove." Gage-height record and results of discharge measurements since August 1954 at same site are contained in reports of Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 143.00 ft (43.586 m) National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder 7.0 mi (11.3 km) downstream at same datum. Prior to February 6, 1978, auxiliary water-stage recorder at site 8.7 (19.0 km) downstream at same datum. October 1970 to September 1972, the downstream site was used as the base gage. The auxiliary gage was removed on December 28, 1981.

REMARKS.--Records good to fair except those for days of no gage-height record, Aug. 1-30, which are poor.

AVERAGE DISCHARGE.--12 years, 591 ft^3/s (16.7 m^3/s), 428,200 acre-ft/yr (528 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,910 ft^3/s (167 m^3/s) Apr. 23, 1973, gage height, 31.74 ft (9.674 m); no flow June 18-27, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1954, 31.74 ft (9.674 m) Apr. 23, 1973, discharge, 5,910 ft^3/s (167 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,820 ft^3/s (51.5 m^3/s) Feb. 10, gage height, 28.10 ft (8.565 m); minimum, 3.8 ft^3/s (0.11 m^3/s) Oct. 11, 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	195	43	12	1110	411	288	1580	607	789	260	547
2	17	195	44	11	1180	342	562	1410	612	678	320	493
3	13	214	39	52	1190	296	994	1270	603	618	390	450
4	9.0	255	34	185	1140	272	1050	1130	605	566	430	401
5	6.1	246	31	233	1070	254	1040	1010	590	518	450	356
6	5.8	243	34	200	1010	249	1050	914	538	468	430	308
7	6.3	252	51	183	956	262	1020	827	475	415	400	269
8	6.4	272	65	170	978	256	981	745	407	359	380	240
9	5.4	298	74	160	1580	246	956	647	326	295	360	215
10	4.9	326	75	150	1800	238	923	543	232	226	350	191
11	4.1	350	71	140	1800	228	882	441	150	166	340	173
12	4.2	368	63	130	1740	216	837	337	100	121	350	200
13	5.0	379	53	120	1660	204	784	230	71	87	400	346
14	5.2	383	44	120	1550	241	735	146	54	62	450	378
15	5.8	380	37	157	1410	419	683	96	44	47	470	345
16	7.1	370	31	111	1310	500	717	62	252	35	460	332
17	8.5	353	26	100	1270	557	870	45	496	29	440	340
18	9.6	327	22	90	1190	713	890	35	419	27	470	295
19	11	291	19	80	1080	814	923	26	298	26	530	263
20	11	243	17	68	994	892	1140	19	246	25	600	245
21	11	189	17	232	907	1030	1160	16	238	24	690	227
22	12	143	19	470	822	1130	1130	15	243	24	790	207
23	12	105	23	670	741	1070	1080	16	242	26	870	184
24	12	75	26	808	660	996	1070	15	230	28	900	161
25	13	55	24	801	573	915	1060	344	216	33	900	134
26	63	42	21	762	505	829	1260	562	221	37	860	108
27	110	31	19	731	524	743	1590	493	239	43	810	85
28	151	25	18	721	488	653	1720	468	356	63	760	65
29	173	24	16	720	---	560	1720	503	986	94	700	48
30	186	27	14	723	---	467	1720	551	963	106	660	37
31	193	---	14	903	---	378	---	587	---	181	603	---
TOTAL	1102.4	6656	1084	10013	31238	16381	30835	15083	11059	6216	16823	7643
MEAN	35.6	222	35.0	323	1116	528	1028	487	369	201	543	255
MAX	193	383	75	903	1800	1130	1720	1580	986	789	900	547
MIN	4.1	24	14	11	488	204	288	15	44	24	260	37
AC-FT	2190	13200	2150	19860	61960	32490	61160	29920	21940	12330	33370	15160

CAL YR 1981 TOTAL 121558.4 MEAN 333 MAX 3130 MIN 4.1 AC-FT 241100
WTR YR 1982 TOTAL 154133.4 MEAN 422 MAX 1800 MIN 4.1 AC-FT 305700

07077960 BIG CREEK NEAR WATKINS CORNER, AR

LOCATION.--Lat 34°24'48", long 90°56'42", in NE 1/4 SE 1/4 sec.24, T.3 S, R.1 E., Phillips County, Hydrologic Unit 08020304, at bridge on State Highway 318, 3.5 mi (5.6 km) upstream from Little Cypress Creek, and 3.8 mi (6.1 km) south of Watkins Corner.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT											
06...	1400	9827	9827	7.9	26.0	23.0	--	6.7	77	--	44
NOV											
03...	1130	9827	9827	7.6	20.0	15.0	55	6.6	65	2.4	290
DEC											
08...	1400	9827	9827	7.8	16.0	11.0	--	8.6	77	1.6	150
JAN											
05...	1430	9827	9827	7.7	12.0	10.0	550	9.3	82	4.4	10
FEB											
09...	1430	9827	9827	7.0	-1.0	2.0	900	12.0	85	1.3	300
MAR											
09...	1035	9827	9827	7.1	13.0	11.0	80	8.8	79	1.4	28
APR											
06...	1430	9827	9827	6.6	9.0	15.0	250	7.9	77	2.3	110
MAY											
04...	1045	9827	9827	7.0	29.0	23.0	180	6.7	77	2.1	62
JUN											
01...	1415	9827	9827	7.2	24.0	26.0	160	--	--	2.4	100
29...	1345	9827	9827	6.9	27.0	26.0	1400	5.6	68	3.5	800
JUL											
20...	1015	9827	9827	7.7	32.0	30.0	45	--	--	2.4	52
AUG											
17...	1455	9827	9827	6.9	29.0	28.0	60	3.9	49	2.2	120
SEP											
14...	1545	9827	9827	7.7	30.0	27.0	35	5.1	63	3.3	230

DATE	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT										
06...	272	18	20	359	.49	--	.30	.170	.120	--
NOV										
03...	122	30	22	219	.30	60	.17	.050	.190	.090
DEC										
08...	194	20	19	276	.38	33	.21	.130	.140	.020
JAN										
05...	98	15	17	242	.33	298	.55	.230	.930	.180
FEB										
09...	30	--	6.5	263	.36	--	.45	.180	1.05	.400
MAR										
09...	68	6.0	12	190	.26	61	.45	.190	.280	.100
APR										
06...	28	--	7.0	173	.24	134	--	.190	.490	.190
MAY										
04...	38	7.0	6.0	211	.29	99	.27	.290	.440	.330
JUN										
01...	42	9.0	6.5	152	.21	188	.40	.120	--	.200
29...	--	6.0	5.0	108	.15	896	.59	.130	.600	.160
JUL										
20...	218	16	--	283	.38	84	.54	.080	--	.070
AUG										
17...	42	5.0	6.0	96	.13	36	.26	--	.180	.130
SEP										
14...	140	9.0	15	195	.27	78	.19	.060	.290	.190

07077960 BIG CREEK NEAR WATKINS CORNER, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	1400	8	<1	5	12	--	--	--
NOV								
03...	1130	<5	<1	9	12	--	7	--
DEC								
08...	1400	6	<1	--	17	--	8	31
JAN								
05...	1430	11	<1	14	39	--	<5	68
FEB								
09...	1430	14	1	--	25	--	<5	98
MAR								
09...	1035	<5	<1	3	<10	--	6	--
APR								
06...	1430	14	<1	--	--	--	<5	85
MAY								
04...	1045	8	<1	--	16	--	<5	23
JUN								
01...	1415	<5	<1	11	20	--	<5	--
29...	1345	7	--	19	27	--	--	--
JUL								
20...	1015	<5	<1	<1	19	<1.0	<5	68
AUG								
17...	1455	10	<1	<1	18	--	<5	30
SEP								
14...	1545	9	<1	<1	10	--	<5	24

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
08...	1400	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
09...	1035	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
01...	1415	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
14...	1545	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07078285 WHITE RIVER AT ARKANSAS POST CANAL, NEAR NADY, AR

LOCATION.--Lat 34°01'15", long 91°11'08", in sec.1, T.8 S., R.2 W., Arkansas County, Hydrologic Unit 08020303, at Arkansas Post Canal, 3.4 mi (5.5 km) northeast of Nady.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 06...	1125	9827	9827	8.2	23.0	22.0	30	8.1	92
NOV 03...	1300	9827	9827	8.0	16.0	15.0	30	9.4	92
DEC 08...	1300	9827	9827	8.4	15.0	10.0	15	12.6	112
JAN 05...	1225	9827	9827	8.3	9.0	6.0	30	12.7	102
FEB 23...	1105	9827	9827	7.3	23.0	9.0	80	9.7	84
MAR 09...	1120	9827	9827	7.5	13.0	9.0	30	9.4	81
APR 27...	1235	9827	9827	7.5	17.0	17.0	70	7.9	81
MAY 25...	1240	9827	9827	7.7	23.0	23.0	55	8.3	95
JUN 15...	1125	9827	9827	7.8	28.0	24.0	20	8.6	101
JUL 20...	1245	9827	9827	--	33.0	29.0	55	7.4	95
AUG 23...	1235	9827	9827	8.0	32.0	28.0	35	8.6	109
SEP 14...	1125	9827	9827	--	26.0	24.0	60	8.2	96

DATE	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)
OCT 06...	6	2.3	4	160	6.0	8.0	181	.25	43
NOV 03...	8	2.5	40	138	9.0	12	175	.24	32
DEC 08...	7	2.8	<4	150	10	11	173	.24	18
JAN 05...	11	2.2	<4	162	9.0	7.0	172	.23	54
FEB 23...	16	2.4	72	64	9.0	--	137	.19	26
MAR 09...	12	3.2	10	90	9.0	9.0	142	.19	16
APR 27...	16	2.8	24	84	5.0	4.0	149	.20	40
MAY 25...	--	3.5	<4	120	3.0	5.0	148	.20	88
JUN 15...	7	4.1	90	126	15	7.0	156	.21	19
JUL 20...	11	2.8	4	134	--	--	153	.21	72
AUG 23...	11	6.2	10	134	5.0	10	166	.23	48
SEP 14...	20	3.3	24	--	--	--	--	--	--

07078285 WHITE RIVER AT ARKANSAS POST CANAL, NEAR NADY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT								
06...	<.01	.020	.28	.30	--	--	--	<.010
NOV								
03...	.20	.050	--	<.10	--	--	.070	.010
DEC								
08...	.01	.020	.08	.10	.11	.49	.060	<.010
JAN								
05...	.13	.480	--	<.10	--	--	.140	.010
FEB								
23...	--	.040	--	--	--	--	.150	.050
MAR								
09...	.09	.030	--	<.10	--	--	.080	.030
APR								
27...	.19	.080	.72	.80	.99	4.4	.140	.070
MAY								
25...	.17	.040	--	--	--	--	.110	.040
JUN								
15...	.19	.030	--	--	--	--	.050	.010
JUL								
20...	.14	.030	--	--	--	--	.090	.010
AUG								
23...	.13	.060	.34	.40	.53	2.3	--	.010
SEP								
14...	.14	--	--	.70	.84	3.7	--	.040

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	1125	<5	<1	5	<10	--	--	21
NOV								
03...	1300	<5	--	1	<10	--	<5	<3
DEC								
08...	1300	<5	<1	<1	<10	--	<5	8
JAN								
05...	1225	<5	<1	<1	<10	--	<5	<3
FEB								
23...	1105	9	<1	3	<10	--	<5	10
MAR								
09...	1120	<5	<1	1	<10	--	<5	11
APR								
27...	1235	<5	<1	2	<10	--	<5	13
MAY								
25...	1240	6	<1	--	<10	--	<5	8
JUN								
15...	1125	<5	<1	7	<10	--	7	12
JUL								
20...	1245	<5	<1	<1	<10	<1.0	<5	15
AUG								
23...	1235	<5	<1	1	<10	--	<5	7

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT											
06...	1125	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JAN											
05...	1225	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
27...	1235	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
23...	1235	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07188820 LITTLE SUGAR CREEK AT CAVERNA, MO

LOCATION.--Lat 36°30'10", long 94°16'30", in SW 1/4 NE 1/4 sec.34, T.21 N., R.31 W., McDonald County, Hydrologic Unit 11070208, at bridge on U.S. Highway 71, 0.5 mi (0.8 km) north of Caverna, Mo., and 0.1 mi (0.2 km) downstream from Bear Creek.

DRAINAGE AREA.--118 mi^2 (306 km^2), at State line.

PERIOD OF RECORD.--August 1967 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT											
13...	1302	9827	9827	7.9	21.0	18.0	7.5	7.7	81	5.2	380
DEC											
08...	1145	9827	9827	8.1	12.0	11.0	2.0	11.2	101	2.7	14
JAN											
05...	1430	9827	9827	8.0	14.0	8.0	4.8	12.6	106	1.4	12
FEB											
09...	1338	9827	9827	8.0	.0	5.0	20	9.4	73	4.1	15
MAR											
09...	1215	9827	9827	8.4	16.0	12.0	1.4	14.5	134	2.8	<4
APR											
06...	1340	9827	9827	7.3	13.0	12.0	1.8	13.3	123	3.8	230
MAY											
04...	1150	9827	9827	8.2	19.0	18.0	4.0	12.3	129	2.1	92
JUN											
01...	1355	9827	9827	7.8	22.0	18.0	3.8	9.5	100	1.7	20
JUL											
06...	1533	9827	9827	7.7	37.0	28.0	5.0	10.2	129	4.6	<4
27...	1455	9827	9827	8.5	26.0	24.0	20	13.9	164	--	150
AUG											
17...	1400	9827	9827	8.2	32.0	28.0	20	9.9	125	8.2	210
SEP											
21...	1128	9827	9827	8.2	10.0	16.0	4.6	8.8	88	2.1	88

DATE	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT										
13...	148	--	17	214	.29	22	1.2	.140	.660	.540
DEC										
08...	156	10	10	191	.26	4	1.8	.030	.220	.180
JAN										
05...	150	10	13	185	.25	12	2.2	.070	.410	.320
FEB										
09...	138	6.0	9.5	177	.24	80	2.3	.160	.320	.180
MAR										
09...	140	6.0	9.5	181	.25	2	1.2	.020	.220	.150
APR										
06...	154	--	10	182	.25	6	--	.040	.280	.250
MAY										
04...	140	--	10	180	.24	18	1.4	.040	.350	.280
JUN										
01...	130	7.0	8.5	174	.24	17	1.2	.060	.320	.280
JUL										
06...	144	9.0	15	185	.25	14	.69	.040	.280	.250
27...	146	12	15	180	.24	40	.16	.040	.490	.280
AUG										
17...	152	6.0	16	196	.27	22	.49	.030	.360	.300
SEP										
21...	144	--	13	202	.27	8	1.7	.010	.370	.330

07188820 LITTLE SUGAR CREEK AT CAVERNA, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
13...	1302	13	<1	6	<10	--	10	--
DEC								
08...	1145	<5	<1	2	<10	--	<5	8
JAN								
05...	1430	5	<1	6	<10	--	<5	10
FEB								
09...	1338	7	<1	12	42	--	10	53
MAR								
09...	1215	12	<1	<1	<10	--	5	3
APR								
06...	1340	5	<1	7	<10	--	--	6
MAY								
04...	1150	16	<1	2	<10	--	--	6
JUN								
01...	1355	15	<1	5	<10	--	--	3
JUL								
06...	1533	<5	<1	7	<10	<1.0	<5	8
27...	1455	<5	<1	4	<10	<1.0	<5	6
AUG								
17...	1400	<5	<1	4	<10	--	<5	7
SEP								
21...	1128	<5	<1	6	--	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
FEB											
09...	1338	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
04...	1150	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
27...	1455	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
17...	1400	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07188910 BUTLER CREEK NEAR SULPHUR SPRINGS, AR

LOCATION.--Lat 36°30'44", long 94°28'54", in NW 1/4 NW 1/4 sec.35, T.21 N., R.33 W., McDonald County, Mo., Hydrologic Unit 11070208, at bridge on county road about 500 ft (152 m) west of State Highway 59, 0.9 mi (1.4 km) north of State line along Highway 59, 2.0 mi (3.2 km) northwest of Sulphur Springs.

DRAINAGE AREA.--34.9 mi^2 (90.4 km^2), at State line.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT 27...	1200	9827	9827	8.0	21.0	14.0	4.5	--	--	.8	40
NOV 17...	1150	9827	9827	8.2	22.0	16.0	1.0	9.1	91	--	<4
DEC 01...	1133	9827	9827	8.2	2.0	7.0	9.0	11.2	92	.5	130
JAN 19...	1145	9827	9827	8.2	10.0	4.0	10	13.9	106	.5	4
FEB 23...	1145	9827	9827	8.3	23.0	14.0	2.0	--	--	1.0	8
MAR 09...	1300	9827	9827	9.2	16.0	12.0	1.6	13.7	127	.4	<4
APR 06...	1415	9827	9827	8.0	12.0	12.0	.10	9.7	90	.1	4
MAY 04...	1116	9827	9827	8.2	23.0	18.0	.20	11.4	120	1.2	250
JUN 01...	1311	9827	9827	7.9	22.0	20.0	1.7	8.6	93	.8	310
JUL 06...	1455	9827	9827	7.7	37.0	27.0	1.2	8.7	107	3.2	120
27...	1420	9827	9827	7.9	30.0	24.0	1.4	8.0	94	--	--
AUG 17...	1435	9827	9827	7.9	32.0	27.0	7.5	8.7	107	1.8	76
SEP 21...	1052	9827	9827	8.3	15.0	16.0	1.5	8.5	--	1.1	28

DATE	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 27...	154	10	8.6	185	.25	6	1.8	.020	.040	--
NOV 17...	174	12	7.0	193	.26	3	1.3	.020	.010	.020
DEC 01...	180	15	8.5	215	.29	41	1.1	.040	--	.020
JAN 19...	166	15	10	200	.27	4	1.4	.020	.020	.010
FEB 23...	144	15	7.5	--	--	8	1.4	.020	.030	<.010
MAR 09...	84	13	12	200	.27	12	.86	.080	.020	.010
APR 06...	146	--	7.5	165	.22	<1	--	.010	.010	.020
MAY 04...	140	--	5.0	179	.24	<1	.72	.030	.020	.010
JUN 01...	160	11	6.0	196	.27	<1	.94	.030	.060	.030
JUL 06...	158	10	11	191	.26	6	.87	.010	.020	.010
27...	154	13	10	187	.25	2	.49	.030	.010	.010
AUG 17...	160	7.0	12	201	.27	2	.75	.050	.020	<.010
SEP 21...	156	--	13	199	.27	<1	.63	.020	.040	.030

07188910 BUTLER CREEK NEAR SULPHUR SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
27...	1200	<5	<1	4	<10	--	5	--
NOV								
17...	1150	<5	--	6	17	--	<5	8
DEC								
01...	1133	6	<1	4	40	--	5	--
JAN								
19...	1145	9	<1	2	--	--	<5	15
FEB								
23...	1145	13	<1	1	20	--	<5	20
MAR								
09...	1300	<5	<1	<1	26	--	<5	39
APR								
06...	1415	<5	<1	1	<10	--	--	<3
MAY								
04...	1116	7	<1	1	<10	--	--	6
JUN								
01...	1311	6	<1	<1	<10	--	--	3
JUL								
06...	1455	<5	<1	2	<10	<1.0	<5	4
27...	1420	<5	<1	8	<10	<1.0	<5	6
AUG								
17...	1435	<5	<1	1	<10	--	<5	6
SEP								
21...	1052	<5	<1	6	--	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT											
27...	1200	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JAN											
19...	1145	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
09...	1300	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
06...	1415	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07191179 SPAVINAW CREEK NEAR CHEROKEE CITY, AR

LOCATION.--Lat 36°20'31", long 94°35'15", in SW 1/4 NE 1/4 sec.10, T.19 N., R.34 W., Benton County, Hydrologic Unit 11070209, at bridge on State Highway 99, 3.0 mi (4.8 km) north of Cherokee City.

DRAINAGE AREA.--104 mi^2 (269 km^2), at State line.

PERIOD OF RECORD.--October 1968 to January 1972, October 1978 to current year.

REMARKS.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
27...	1113	9827	9827	110	7.9	16.0	14.0	1.0	--
NOV									
17...	1112	9827	9827	69	7.9	19.0	13.0	.60	10.4
DEC									
01...	1058	9827	9827	47	8.0	3.0	10.0	.20	9.9
JAN									
19...	1100	9827	9827	35	8.1	9.0	9.0	.90	13.9
FEB									
23...	1111	9827	9827	100	8.0	23.0	12.0	1.6	--
MAR									
09...	1340	9827	9827	60	8.5	16.0	14.0	.90	14.0
APR									
06...	1455	9827	9827	55	8.4	12.0	11.0	.50	15.5
MAY									
04...	1040	9827	9827	55	7.9	20.0	15.0	.80	10.5
JUN									
01...	1230	9827	9827	63	7.9	19.0	17.0	1.8	10.3
JUL									
06...	1340	9827	9827	34	7.5	35.0	21.0	1.5	9.9
27...	1325	9827	9827	15	8.0	25.0	--	2.2	9.7
AUG									
17...	1510	9827	9827	20	8.0	32.0	24.0	1.2	12.0
SEP									
21...	1020	9827	9827	10	8.1	15.0	23.0	2.0	10.2

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT									
27...	--	<1	1.1	8	144	2.0	11	187	.25
NOV									
17...	98	1	3.5	<4	144	5.0	11	178	.24
DEC									
01...	88	<1	1.0	88	144	7.0	12	189	.26
JAN									
19...	120	1	.8	<4	136	9.0	14	185	.25
FEB									
23...	--	2	1.4	24	120	7.0	11	152	.21
MAR									
09...	135	1	2.6	<4	120	6.0	14	173	.24
APR									
06...	140	<1	1.1	<4	122	--	13	155	.21
MAY									
04...	103	2	1.9	24	126	--	10	159	.22
JUN									
01...	106	3	.4	84	130	5.0	10	168	.23
JUL									
06...	110	1	2.9	9	142	12	15	181	.25
27...	--	6	--	44	140	10	17	178	.24
AUG									
17...	141	2	3.7	8	156	6.0	15	180	.24
SEP									
21...	--	5	1.2	8	144	--	15	193	.26

07191179 SPAVINAW CREEK NEAR CHEROKEE CITY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
27...	<1	3.6	.020	--	<.10	--	--	.050	--
NOV									
17...	2	2.7	.010	--	<.10	--	--	.050	.050
DEC									
01...	2	2.0	.030	--	--	--	--	--	.060
JAN									
19...	2	2.5	.010	--	--	--	--	.080	.040
FEB									
23...	<1	2.9	.030	--	--	--	--	.060	<.010
MAR									
09...	2	1.5	.020	--	<.10	--	--	.040	.030
APR									
06...	3	--	.010	--	<.10	--	--	.030	.030
MAY									
04...	<1	2.0	.070	--	<.10	--	--	.040	.020
JUN									
01...	6	1.5	.040	.46	.50	2.0	8.9	.060	.060
JUL									
06...	6	1.7	.030	--	--	--	--	.050	.050
27...	8	1.3	.040	--	--	--	--	.080	.030
AUG									
17...	4	1.6	.050	--	<.10	--	--	.060	.050
SEP									
21...	1	1.7	.040	.26	.30	2.0	8.9	.080	.070

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
27...	1113	<5	<1	2	<10	--	<5	--
NOV								
17...	1112	<5	--	5	<10	--	<3	<5
DEC								
01...	1058	<5	2	4	<10	--	<5	--
JAN								
19...	1100	22	<1	2	--	--	<5	<3
FEB								
23...	1111	19	<1	<1	<10	--	<5	3
MAR								
09...	1340	<5	<1	<1	<10	--	7	3
APR								
06...	1455	<5	<1	<1	<10	--	--	4
MAY								
04...	1040	6	<1	<1	<10	--	--	4
JUN								
01...	1230	5	<1	<1	<10	--	--	4
JUL								
06...	1340	<5	<1	<1	<10	<1.0	<5	4
27...	1325	<5	<1	2	20	<1.0	<5	27
AUG								
17...	1510	<5	<1	<1	<10	--	<5	4
SEP								
21...	1020	<5	<1	<1	--	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN											
19...	1100	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
06...	1455	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
06...	1340	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07194800 ILLINOIS RIVER AT SAVOY, AR

LOCATION.--Lat 36°06'11", long 94°20'39", in NW 1/4 SE 1/4 sec.36, T.17 N., R.32 W., Washington County, Hydrologic Unit 11110103, on left bank at downstream side of bridge on State Highway 16 at Savoy.

DRAINAGE AREA.--167 mi^2 (433 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1979 to December 1981 (Discontinued).

REVISED RECORDS.--WRD 1981: 1980 (M).

GAGE.--Water-stage recorder. Datum of gage is 1,020.00 ft (310.896 m) National Geodetic Vertical Datum of 1929. July 10, 1974, to June 20, 1979, nonrecording gage at present site with reference mark on bridge.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, during period October to December 1981, 813 ft^3/s (23.0 m^3/s) Nov. 1, gage height, 601 ft (1.832 m), no peak above base of 5,000 ft^3/s (140 m^3/s); minimum, 6.2 ft^3/s (0.18 m^3/s) Oct. 5, gage height, 2.08 ft (0.634 m).

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	531	88	21								
2	6.6	352	73	22								
3	6.6	247	58	23								
4	6.6	372	48	26								
5	6.6	290	41	28								
6	6.8	226	38	28								
7	7.1	182	35	26								
8	7.4	153	34	23								
9	7.8	136	31	22								
10	8.1	117	29	20								
11	7.9	104	28	---								
12	17	94	26	---								
13	28	85	25	---								
14	82	75	24	---								
15	77	69	24	---								
16	48	65	22	---								
17	39	60	21	---								
18	63	55	19	---								
19	69	50	18	---								
20	44	46	17	---								
21	33	41	18	---								
22	355	39	23	---								
23	269	38	33	---								
24	166	35	35	---								
25	126	34	31	---								
26	135	33	30	---								
27	108	31	29	---								
28	79	30	27	---								
29	65	29	25	---								
30	55	38	23	---								
31	179	---	22	---								
TOTAL	2115.3	3657	995	---								
MEAN	68.2	122	32.1	---								
MAX	355	531	88	---								
MIN	6.6	29	17	---								
CFSM	.41	.73	.19	---								
IN.	.47	.81	.22	---								
AC-FT	4200	7250	1970	---								

CAL YR 1981 TOTAL 26692.3 MEAN 73.1 MAX 1110 MIN 5.4 CFSM .44 IN 5.95 AC-FT 52940

07194800 ILLINOIS RIVER AT SAVOY, AR--CONTINUED

WATER-QUALITY RECORDS

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

COOPERATION.--Additional records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT											
27...	1340	9827	9827	7.7	18.0	14.0	15	--	--	4.3	290
NOV											
17...	1320	9827	9827	7.9	22.0	16.0	4.0	7.9	79	--	<4
DEC											
01...	1410	9827	9827	7.8	3.0	9.0	10	7.8	67	1.3	600
JAN											
19...	1255	9827	9827	8.0	13.0	5.0	2.5	14.5	113	2.0	<10
FEB											
23...	1430	9827	9827	7.8	23.0	14.0	8.4	--	--	2.6	48
MAR											
09...	1600	9827	9827	8.2	13.0	14.0	4.0	13.4	129	1.6	16
APR											
06...	1845	9827	9827	7.8	10.0	12.0	9.5	11.0	102	3.0	220
MAY											
04...	0800	9827	9827	7.7	16.0	18.0	6.5	8.4	88	2.3	36
JUN											
01...	1002	9827	9827	7.4	13.0	20.0	55	6.7	73	2.6	<4
JUL											
06...	1046	9827	9827	7.6	31.0	25.0	3.5	7.5	89	1.4	16
27...	1033	9827	9827	7.8	24.0	22.0	4.2	9.1	103	--	68
AUG											
17...	1834	9827	9827	7.9	29.0	24.0	8.0	8.4	99	2.8	32
SEP											
21...	1220	9827	9827	8.1	23.0	16.0	5.1	9.5	95	1.7	54

DATE	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT										
27...	112	10	9.5	163	.22	6	2.0	.040	.100	--
NOV										
17...	134	15	10	168	.23	4	1.6	.010	.060	.040
DEC										
01...	146	16	11	185	.25	30	1.8	.110	--	.040
JAN										
19...	148	17	13	190	.26	4	1.5	.080	.140	.050
FEB										
23...	106	18	11	144	.20	6	2.3	.050	.080	.010
MAR										
09...	118	16	11	159	.22	2	1.1	.030	.050	.010
APR										
06...	108	--	9.0	142	.19	8	--	.010	.070	.020
MAY										
04...	120	--	8.0	160	.22	8	1.2	.070	.080	.020
JUN										
01...	94	12	9.0	147	.20	62	1.1	.110	.350	.200
JUL										
06...	122	11	17	161	.22	6	2.7	.010	.270	.220
27...	138	10	21	176	.24	8	.95	.040	.040	<.010
AUG										
17...	128	10	13	179	.24	--	.94	.070	.100	.010
SEP										
21...	130	--	23	237	.32	12	5.9	.020	1.80	1.70

07194800 ILLINOIS RIVER AT SAVOY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
27...	1340	<5	<1	4	<10	--	<5	--
NOV								
17...	1320	<5	--	<1	<10	--	<5	<3
DEC								
01...	1410	<5	<1	<1	<10	--	<5	--
JAN								
19...	1255	10	<1	<1	--	--	<5	<3
FEB								
23...	1430	<5	<1	<1	<10	--	8	3
MAR								
09...	1600	<5	<1	<1	<10	--	10	<3
APR								
06...	1845	<5	<1	<1	<10	--	--	3
MAY								
04...	0800	10	<1	<1	<10	--	--	<3
JUN								
01...	1002	<5	<1	<1	15	--	--	14
JUL								
06...	1046	<5	<1	<1	<10	<1.0	<5	21
27...	1033	<5	<1	<1	41	<1.0	<5	24
AUG								
17...	1834	<5	<1	1	18	--	<5	15
SEP								
21...	1220	<5	<1	<1	--	--	<5	59

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
01...	1410	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
01...	1002	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
21...	1220	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07195000 OSAGE CREEK NEAR ELM SPRINGS, AR

LOCATION.--Lat 36°13'19", long 94°17'18", in SW 1/4 NE 1/4 sec.21, T.18 N., R.31 W., Benton County, Hydrologic Unit 11110103, on left bank 0.7 mi (1.1 km) downstream from Little Osage Creek, and 3.2 mi (5.1 km) northwest of Elm Springs.

DRAINAGE AREA.--130 mi^2 (337 km^2).

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

COOPERATION.--Additional records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT											
13...	1406	9827	9827	7.8	21.0	18.0	5.3	6.7	71	2.6	100
DEC											
08...	1230	9827	9827	8.4	12.0	10.0	6.0	14.6	129	.4	8
JAN											
05...	1510	9827	9827	8.2	14.0	8.0	3.2	13.3	112	1.9	20
FEB											
09...	1515	9827	9827	7.8	.0	5.0	7.0	10.2	95	1.9	10
MAR											
09...	1700	9827	9827	9.5	13.0	13.0	6.0	14.2	134	1.7	<4
APR											
06...	1740	9827	9827	8.3	10.0	12.0	3.5	11.8	109	1.0	20
MAY											
04...	0715	9827	9827	7.5	16.0	16.0	5.0	11.1	111	1.9	88
JUN											
01...	1050	9827	9827	7.5	14.0	20.0	--	6.4	70	3.1	690
JUL											
06...	0945	9827	9827	7.5	29.0	27.0	3.2	8.7	107	3.3	56
20...	0730	9827	9827	6.7	25.0	10.0	--	8.7	71	1.3	190
AUG											
17...	1745	9827	9827	--	29.0	25.0	--	--	--	--	310
SEP											
21...	0832	9827	9827	7.9	13.0	15.0	3.8	8.0	--	4.4	20

DATE	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT										
13...	118	--	18	209	.28	10	5.0	.090	1.55	1.00
DEC										
08...	138	18	16	206	.28	10	4.5	.030	1.20	1.10
JAN										
05...	136	17	25	215	.29	9	5.6	.410	1.42	1.30
FEB										
09...	120	10	15	189	.26	34	4.3	.410	.250	--
MAR										
09...	156	16	15	219	.30	26	2.9	<.010	.780	.610
APR										
06...	132	--	15	197	.27	8	--	.010	.820	.750
MAY										
04...	136	--	16	210	.29	13	3.6	.220	.960	.760
JUN										
01...	90	13	8.0	145	.20	--	1.1	.100	.340	.210
JUL										
06...	128	16	28	191	.26	14	2.7	.030	1.52	1.20
20...	24	--	--	18	.02	--	.16	.010	--	<.010
AUG										
17...	--	--	--	--	--	--	--	--	--	--
SEP										
21...	128	--	14	181	.25	--	.56	.010	.100	.060

07195000 OSAGE CREEK NEAR ELM SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
13...	1406	6	<1	3	17	--	7	--
DEC								
08...	1230	7	<1	5	<10	--	7	13
JAN								
05...	1510	<5	<1	3	20	--	<5	39
FEB								
09...	1515	<5	<1	21	41	--	7	56
MAR								
09...	1700	<5	<1	8	14	--	<5	27
APR								
06...	1740	7	<1	11	21	--	--	14
MAY								
04...	0715	<5	<1	2	71	--	--	51
JUN								
01...	1050	6	<1	7	<10	--	--	8
JUL								
06...	0945	<5	<1	<1	<10	<1.0	<5	13
20...	0730	<5	<1	7	10	<1.0	<5	33
SEP								
21...	0832	<5	<1	<1	--	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
08...	1230	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB											
09...	1515	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
04...	0715	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
20...	0730	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07195400 ILLINOIS RIVER NEAR SILOAM SPRINGS, AR

LOCATION.--Lat 36°08'41", long 94°29'41", in SW 1/4 SW 1/4 sec.15, T.17 N., R.33 W., Benton County, Hydrologic Unit 11110103, on right bank at downstream side of bridge on State Highway 16, 8.2 mi (13.2 km) downstream from Osage Creek, and 4.6 mi (7.4 km) southeast of Siloam Springs.

DRAINAGE AREA.--509 mi^2 (1,318 km^2).

PERIOD OF RECORD.--June 1979 to December 1981 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 975.00 ft (294.132 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 7,500 ft^3/s (212 m^3/s) July 1, 1981, gage height, 15.42 ft (4.700 m), from rating curve extended above 900 ft^3/s (25.5 m^3/s) on basis of a slope-area measurement of peak flow; minimum, 45 ft^3/s (1.27 m^3/s) Sept. 1, 2, 1980, gage height, 4.31 ft (1.319 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period October to December 1981, 1,960 ft^3/s (55.5 m^3/s) Oct. 30, gage height, 8.98 ft (2.737 m), from rating curve extended as explained above, no peak above base of 8,000 ft^3/s (227 m^3/s); minimum, 70 ft^3/s (1.98 m^3/s) Oct. 5, 6, 11, 12, gage height, 4.60 ft (1.402 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	911	215									
2	75	1050	195									
3	76	1040	180									
4	74	787	169									
5	70	617	161									
6	73	496	156									
7	74	418	151									
8	74	363	152									
9	75	325	151									
10	75	295	150									
11	72	274	144									
12	88	252	140									
13	165	234	134									
14	325	221	131									
15	487	213	129									
16	303	204	131									
17	248	193	128									
18	217	182	123									
19	208	173	112									
20	195	165	115									
21	171	158	115									
22	184	158	129									
23	1010	156	178									
24	500	152	182									
25	363	145	179									
26	328	139	168									
27	314	136	158									
28	277	158	149									
29	257	234	139									
30	1230	245	130									
31	1380	---	122									
TOTAL	9066	10094	4616									
MEAN	292	336	149									
MAX	1380	1050	215									
MIN	70	136	112									
CFSM	.57	.66	.29									
IN.	.66	.74	.34									
AC-FT	17980	20020	9160									

CAL YR 1981 TOTAL 87908 MEAN 241 MAX 3600 MIN 62 CFSM .47 IN 6.42 AC-FT 174400

07195800 FLINT CREEK AT SPRINGTOWN, AR

LOCATION.--Lat 36°15'20", long 94°25'50", in NW 1/4 sec.7, T.18 N., R.32 W., Benton County, Hydrologic Unit 11110103, on right bank 20 ft (6 m) downstream from State Highway 12, 0.8 mi (1.3 km) southwest of Springtown.

DRAINAGE AREA.--14.2 mi^2 (36.8 km^2).

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

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,173.47 ft (357.674 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for period of no gage-height record June 8 to July 27, and Aug. 4 to Sept. 30, which are poor. Some diversion for irrigation upstream from gage.

AVERAGE DISCHARGE.--21 years, 13.3 ft^3/s (0.38 m^3/s), 12.72 in/yr (323 mm/yr), 9,640 acre-ft/yr (11.9 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,600 ft^3/s (413 m^3/s) June 8, 1974, gage height, 17.51 ft, (5.337 m), from floodmarks, from rating curve extended above 260 ft^3/s (7.36 m^3/s) on basis of contracted-opening, and flow-over-road measurement of peak flow; no flow for part of July 9, 29, 30, Aug. 7, 1964, Sept. 16, 1980, result of pumpage for irrigation upstream from gage.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 260 ft^3/s (7.4 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 30	1930	*505	14.3	6.83	2.082
July 30	0700	386	10.9	6.24	1.902

Minimum discharge, 2.0 ft^3/s (0.06 m^3/s) July 22-25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	45	16	5.2	66	7.5	5.8	4.9	5.5	4.0	31	3.5
2	2.3	41	13	5.5	50	7.0	5.9	4.9	6.0	4.0	20	3.5
3	2.3	35	11	5.9	38	7.5	5.5	4.8	8.0	4.0	14	3.5
4	2.2	32	9.2	6.0	30	7.0	5.2	4.6	25	4.0	9.5	3.5
5	2.2	28	8.3	5.6	25	7.0	5.1	4.7	18	4.0	7.5	3.0
6	2.5	23	8.1	5.4	20	7.0	4.9	4.9	15	3.5	6.5	3.0
7	2.7	20	7.6	4.9	17	7.0	4.9	4.9	12	3.5	7.0	3.0
8	2.4	17	6.9	4.7	15	6.5	4.9	4.1	10	3.5	6.0	3.0
9	2.4	15	6.1	4.6	13	6.7	4.9	3.6	8.0	3.5	5.0	3.0
10	2.7	13	6.1	4.2	11	6.5	5.5	3.6	6.5	3.5	5.0	2.5
11	2.5	11	5.8	4.4	9.5	6.0	5.1	3.4	8.5	3.5	5.0	2.5
12	8.6	10	5.1	4.9	11	6.0	5.1	3.4	7.0	3.4	4.5	3.0
13	15	8.6	5.0	4.9	9.7	6.0	5.0	12	6.5	3.5	4.0	3.5
14	61	7.8	5.0	4.9	10	8.5	5.2	24	6.5	3.5	3.5	3.5
15	33	7.0	5.0	5.1	15	10	5.3	18	7.0	3.5	3.5	3.0
16	33	6.8	5.0	4.8	16	17	4.8	14	8.0	3.0	4.0	3.0
17	30	6.3	4.5	4.4	15	16	5.2	11	7.4	3.0	4.5	3.0
18	22	6.0	4.3	4.6	13	14	4.7	8.0	6.5	3.0	4.0	3.0
19	16	5.8	4.1	4.9	13	13	5.0	6.0	6.0	2.5	3.5	3.0
20	11	5.7	4.1	4.8	12	11	4.8	7.5	5.5	2.5	3.0	2.5
21	11	5.3	3.9	4.8	11	10	4.2	6.5	5.5	2.5	3.0	3.0
22	24	5.2	6.2	12	9.5	9.7	4.2	6.0	5.0	2.0	3.0	3.0
23	23	5.0	5.6	11	8.5	9.8	4.1	5.5	5.0	2.0	2.5	2.5
24	19	4.8	6.2	9.6	8.5	9.3	4.2	5.0	4.6	2.0	2.5	2.5
25	15	4.6	6.3	9.1	8.0	8.5	4.4	5.0	4.5	2.0	2.4	2.5
26	13	4.7	6.2	8.5	8.0	7.6	5.9	5.0	5.0	2.3	4.0	2.5
27	10	4.6	6.1	8.0	7.5	7.2	4.6	5.0	4.5	3.5	4.0	2.5
28	7.9	4.6	5.9	7.4	7.5	6.6	4.5	5.0	4.0	12	3.5	3.0
29	7.0	4.7	5.6	7.1	---	6.3	5.0	4.5	4.0	15	3.5	3.0
30	6.2	20	5.4	161	---	6.7	4.7	4.5	4.5	135	3.5	2.5
31	17	---	5.4	137	---	6.1	---	5.0	---	51	3.5	---
TOTAL	409.5	407.5	203.0	475.2	477.7	265.0	148.6	209.3	229.5	298.2	186.4	88.5
MEAN	13.2	13.6	6.55	15.3	17.1	8.55	4.95	6.75	7.65	9.62	6.01	2.95
MAX	61	45	16	161	66	17	5.9	24	25	135	31	3.5
MIN	2.2	4.6	3.9	4.2	7.5	6.0	4.1	3.4	4.0	2.0	2.4	2.5
CFSM	.93	.96	.46	1.08	1.20	.60	.35	.48	.54	.68	.42	.21
IN.	1.07	1.07	.53	1.24	1.25	.69	.39	.55	.60	.78	.49	.23
AC-FT	812	808	403	943	948	526	295	415	455	591	370	176

CAL YR 1981 TOTAL 2331.4 MEAN 6.39 MAX 61 MIN 1.1 CFSM .45 IN 6.11 AC-FT 4620
WTR YR 1982 TOTAL 3398.4 MEAN 9.31 MAX 161 MIN 2.0 CFSM .66 IN 8.90 AC-FT 6740

07195855 FLINT CREEK NEAR WEST SILOAM SPRINGS, OK

LOCATION.--Lat 36°12'58", long 94°36'15", in NE 1/4 NE 1/4 sec.14, T.20 N., R.25 E., Delaware County, Hydrologic Unit 11110103, on left bank 180 ft (54.9 m) downstream from county bridge, 2.5 mi (4.0 km) from Arkansas-Oklahoma State line, northwest of West Siloam Springs, Okla.

DRAINAGE AREA.--59.8 m^2 (155 km^3).

PERIOD OF RECORD.--June 1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is 958.00 ft (291.998 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow is partially regulated by Lake Siloam Spring, 4.5 mi (7.2 km) upstream, and sewage discharge into Flint Creek from city of Gentry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 775 ft^3/s (21.9 m^3/s) Jan. 30, 1982, gage height, 7.85 ft (2.393 m); minimum daily, 0.40 ft^3/s (0.11 m^3/s) Aug. 7, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 775 ft^3/s (21.9 m^3/s) Jan. 30, gage height, 7.85 ft (2.393 m); minimum daily, 6.6 ft^3/s (0.19 m^3/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	142	60	19	227	34	26	17	18	13	103	9.2
2	11	130	50	19	173	34	26	17	17	12	77	8.5
3	10	104	43	22	141	34	30	16	19	11	60	8.5
4	9.6	99	38	21	119	33	25	16	53	11	48	8.3
5	8.5	88	34	20	103	31	24	15	54	11	41	8.3
6	8.6	77	32	20	87	29	24	15	45	11	34	8.3
7	8.3	68	31	19	79	28	24	16	39	11	30	8.1
8	8.3	62	28	19	73	28	25	15	32	11	31	8.1
9	8.3	56	28	17	68	26	23	14	27	11	24	8.1
10	8.2	52	27	19	63	25	22	14	31	10	20	7.9
11	8.0	46	23	19	57	25	22	14	37	10	23	7.4
12	29	42	22	20	57	25	22	15	42	10	20	7.4
13	51	39	22	20	55	25	22	36	36	10	18	8.1
14	304	36	22	20	53	37	21	83	32	11	18	9.0
15	165	34	20	20	56	45	21	66	30	9.2	17	8.3
16	112	32	20	18	61	59	20	52	33	9.0	16	8.3
17	85	30	19	18	63	60	19	41	28	9.2	16	8.3
18	65	29	22	19	60	57	19	34	29	8.8	13	8.1
19	52	27	23	19	56	53	18	32	23	8.5	12	7.4
20	42	26	20	19	53	48	18	31	19	8.3	11	7.4
21	35	25	19	30	51	44	17	26	18	8.3	10	7.4
22	60	24	22	40	48	40	16	23	17	8.3	10	7.4
23	68	23	25	32	45	39	16	21	16	8.1	9.7	7.2
24	61	23	23	27	44	39	16	21	15	8.1	9.5	7.4
25	52	23	23	24	42	38	16	20	15	8.1	9.5	7.0
26	46	22	22	23	41	34	29	19	15	8.1	9.7	7.0
27	38	21	22	23	38	32	26	18	15	44	12	7.0
28	32	21	22	23	36	34	21	19	15	137	11	7.2
29	29	21	20	20	---	29	20	19	14	69	9.7	7.4
30	26	51	20	277	---	29	18	17	13	312	9.5	6.6
31	49	---	20	422	---	28	---	18	---	160	9.5	---
TOTAL	1501.8	1473	822	1328	2049	1122	646	780	797	977.0	742.1	234.6
MEAN	48.4	49.1	26.5	42.8	73.2	36.2	21.5	25.2	26.6	31.5	23.9	7.82
MAX	304	142	60	422	227	60	30	83	54	312	103	9.2
MIN	8.0	21	19	17	36	25	16	14	13	8.1	9.5	6.6
AC-FT	2980	2920	1630	2630	4060	2230	1280	1550	1580	1940	1470	465

WTR YR 1982 TOTAL 12472.5 MEAN 34.2 MAX 422 MIN 6.6 AC-FT 24740

07196900 BARON FORK AT DUTCH MILLS, AR

LOCATION.--Lat 35°52'48", long 94°29'11", on line between secs.21 and 22, T.14 N., R.33 W., Washington County, Hydrologic Unit 11110103, near right bank on downstream side of bridge on State Highway 59 at Dutch Mills, 2.2 mi (3.5 km) downstream from Fly Creek, and 2.9 mi (4.7 km) upstream from Arkansas-Oklahoma State line.

DRAINAGE AREA.--46.0 mi^2 (119 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1958 to current year. Prior to October 1969, published as "Barren Fork at Dutch Mills."

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 986.47 ft (300.676 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--24 years, 37.3 ft^3/s (1.06 m^3/s), 11.01 in/yr (280 mm/yr), 27,020 acre-ft/yr (33.3 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,100 ft^3/s (484 m^3/s) July 13, 1972, gage height, 13.74 ft (4.188 m), from rating curve extended above 2,900 ft^3/s (82.1 m^3/s) on basis of contracted-opening measurement at 12,900 ft^3/s (365 m^3/s); no flow at times in 1963, 1967, 1980, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,380 ft^3/s (95.7 $m^3/2$) January 30 at 1800 hours, gage height, 8.17 ft (2.490 m), no other peak above base of 2,000 ft^3/s (56.6 m^3/s); minimum, 0.31 ft^3/s (0.009 m^3/s); Sept. 29-30, gage height, 1.33 ft. (0.405 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.77	170	22	4.5	163	19	12	11	108	11	18	1.1
2	.73	69	16	4.8	118	18	31	10	68	9.5	13	1.1
3	.66	46	13	5.6	105	18	44	10	336	8.4	9.3	1.0
4	.66	69	11	7.3	76	22	24	9.5	423	7.3	6.5	.90
5	.52	53	9.5	6.9	64	19	20	8.4	144	6.4	4.9	.82
6	.78	39	9.0	6.4	53	18	16	7.9	89	6.0	4.1	.75
7	.60	30	8.4	5.6	46	17	15	7.9	64	7.9	8.5	.67
8	.59	26	8.4	4.8	44	16	46	6.9	48	9.5	43	.65
9	.66	24	7.3	4.5	46	15	34	6.0	41	7.3	10	.62
10	.80	21	6.9	4.6	37	15	25	5.2	84	5.6	6.3	.60
11	.81	19	6.9	4.5	32	15	21	4.5	64	4.8	5.2	.48
12	1.2	18	6.4	6.0	34	15	19	10	57	4.2	4.8	.44
13	2.2	16	6.0	5.2	32	14	18	364	42	4.0	4.0	.61
14	8.8	15	6.0	5.0	44	67	16	251	32	3.5	3.6	.82
15	5.6	13	5.6	5.2	61	61	15	124	170	3.3	2.8	.88
16	4.0	13	5.6	5.0	80	190	58	65	247	3.4	2.5	.75
17	5.6	12	5.2	4.5	70	75	54	43	90	3.0	2.3	.81
18	9.8	12	4.8	5.6	54	55	26	30	58	3.0	1.9	1.2
19	6.4	10	4.8	5.2	44	45	22	24	52	2.9	1.8	1.2
20	4.3	10	4.5	4.8	38	37	19	21	37	2.7	1.6	1.1
21	3.4	10	4.8	5.2	33	29	16	17	30	2.8	1.4	.76
22	87	9.5	6.4	18	28	24	14	15	25	2.8	1.4	.64
23	41	9.5	10	22	26	23	13	13	23	3.0	1.2	.57
24	23	9.5	7.9	16	23	21	12	12	20	2.9	1.0	.64
25	19	9.0	6.4	12	21	19	12	16	19	2.7	1.0	.49
26	20	9.5	6.0	9.5	21	18	14	45	21	3.6	1.1	.42
27	16	9.5	5.6	9.0	20	16	12	47	16	12	2.0	.45
28	13	9.0	5.6	9.5	19	15	12	134	15	225	3.5	.42
29	12	9.0	4.8	9.0	---	15	13	90	13	39	1.9	.36
30	11	19	4.8	1360	---	15	12	44	12	121	1.4	.35
31	53	---	4.5	432	---	13	---	254	---	33	1.2	---
TOTAL	353.88	788.5	234.1	2008.2	1432	959	665	1706.3	2448	561.5	171.2	21.60
MEAN	11.4	26.3	7.55	64.8	51.1	30.9	22.2	55.0	81.6	18.1	5.52	.72
MAX	87	170	22	1360	163	190	58	364	423	225	43	1.2
MIN	.52	9.0	4.5	4.5	19	13	12	4.5	12	2.7	1.0	.35
CFSM	.25	.57	.16	1.41	1.11	.67	.48	1.20	1.77	.39	.12	.02
IN.	.29	.64	.19	1.62	1.16	.78	.54	1.38	1.98	.45	.14	.02
AC-FT	702	1560	464	3980	2840	1900	1320	3380	4860	1110	340	43

CAL YR 1981 TOTAL 6721.72 MEAN 18.4 MAX 1430 MIN .52 CFSM .40 IN 5.44 AC-FT 13330
WTR YR 1982 TOTAL 11349.28 MEAN 31.1 MAX 1360 MIN .35 CFSM .68 IN 9.18 AC-FT 22510

07196900 BARON FORK AT DUTCH MILLS, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1960 to September 1961, October 1968 to current year.

COOPERATION.--Additional records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
27...	0830	9827	9827	16	7.8	13.0	10.0	2.0	--	--	.9
NOV											
17...	0923	9827	9827	12	7.8	18.0	13.0	2.2	9.5	90	2.0
DEC											
01...	0905	9827	9827	23	7.8	3.0	9.0	15	8.8	76	5.0
FEB											
23...	0905	9827	9827	26	7.8	20.0	14.0	6.4	--	--	3.7
MAR											
09...	1513	9827	9827	15	8.5	15.0	14.0	15	13.8	133	4.5
APR											
06...	1603	9827	9827	16	8.2	10.0	12.0	4.0	13.0	120	4.4
MAY											
04...	0840	9827	9827	9.5	7.6	16.0	16.0	150	4.9	49	8.0
JUN											
01...	0900	9827	9827	115	7.4	13.0	16.0	200	7.6	76	6.3
JUL											
06...	1203	9827	9827	55	7.5	32.0	26.0	3.2	7.5	91	1.3
27...	1145	9827	9827	3.8	7.8	24.0	24.0	2.0	8.5	100	--
AUG											
17...	1706	9827	9827	2.2	7.7	30.0	26.0	2.6	10.5	128	5.2
SEP											
21...	0841	9827	9827	.80	8.1	13.0	15.0	4.0	9.1	89	3.8

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
27...	210	160	20	12	224	.30	2	3.5	.040	.220	--
NOV											
17...	<4	168	22	12	208	.28	4	2.5	.040	.120	.090
DEC											
01...	1400	148	24	14	201	.27	26	1.2	.050	--	.190
FEB											
23...	20	134	23	11	173	.24	16	2.9	.010	.140	.050
MAR											
09...	20	142	18	14	197	.27	32	1.3	.030	.330	.190
APR											
06...	88	136	--	10	167	.23	16	--	.020	.120	.070
MAY											
04...	1300	154	--	8.0	189	.26	446	.78	.070	.880	.080
JUN											
01...	--	108	13	6.0	190	.26	480	1.2	.110	.820	.150
JUL											
06...	20	122	13	15	172	.23	6	2.6	.020	.240	.230
27...	110	174	12	25	281	.38	4	.23	.040	.140	.120
AUG											
17...	230	134	44	25	234	.32	--	2.0	.030	1.60	--
SEP											
21...	16	130	--	13	174	.24	16	.09	.030	.090	.040

07196900 BARON FORK AT DUTCH MILLS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
27...	0830	<5	<1	6	19	--	<5	--
NOV								
17...	0923	<5	--	<1	27	--	<5	31
DEC								
01...	0905	<5	<1	1	27	--	<5	--
FEB								
23...	0905	<5	<1	<1	74	--	5	98
MAR								
09...	1513	<5	<1	<1	38	--	10	26
APR								
06...	1603	<5	<1	<1	<10	--	--	5
MAY								
04...	0840	6	<1	9	57	--	--	74
JUN								
01...	0900	13	<1	12	<10	--	--	85
JUL								
06...	1203	<5	<1	<1	<10	<1.0	<5	22
27...	1145	<5	<1	<1	<10	<1.0	<5	13
AUG								
17...	1706	<5	<1	2	<10	--	<5	14
SEP								
21...	0841	<5	<1	<1	--	--	<5	59

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
01...	0905	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
09...	1513	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
01...	0900	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
21...	0841	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07247000 POTEAU RIVER AT CAUTHRON, AR

LOCATION.--Lat 34°55'08", long 94°17'55", in NW 1/4 SW 1/4 sec.16, T.3 N., R.31 W., Scott County, Hydrologic Unit 11110105, on right bank at downstream side of highway bridge at Cauthron, 2.9 mi (4.7 km) downstream from Cross Creek, 7.8 mi (12.6 km) downstream from Jones Creek, and at mile 109.0 (175.4 km).

DRAINAGE AREA.--203 mi^2 (526 km^2).

PERIOD OF RECORD.--February 1939 to current year.

REVISED RECORDS.--WSP 1037: 1939(M). WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 569.53 ft (173.593 m) National Geodetic Vertical Datum of 1929. Prior to May 2, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good except those for period of no gage-height record, May 16 to Sept. 30, which are poor. As of September 1974, flow from 92.2 mi^2 (239 km^2) upstream from this station is controlled by 16 floodwater-detention reservoirs that have a total combined capacity of 39,082 acre-ft (48.2 hm^3) below the flood spillway crests, of which 33,524 acre-ft (41.3 hm^3) is flood-detention capacity, 2,100 acre-ft (2.59 hm^3) is water-supply storage, and 3,458 acre-ft (4.67 hm^3) is sediment-storage capacity.

AVERAGE DISCHARGE.--43 years, 213 ft^3/s (6.03 m^3/s), 154,300 acre-ft/yr (190 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,200 ft^3/s (912 m^3/s) May 20, 1960, gage height, 23.76 ft (7.242 m); no flow at times in most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1935 reached a stage of 27.4 ft (8.35 m), from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,960 ft^3/s (225 m^3/s) Jan. 31, gage height, 17.55 ft (5.349 m); minimum, 0.78 ft^3/s (0.022 m^3/s) Oct. 8-11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	456	234	14	1470	439	45	29	399	25	25	2.8
2	1.2	431	146	12	1220	346	43	34	255	23	20	2.5
3	1.1	239	112	45	1160	286	212	33	205	21	17	2.3
4	.93	206	83	55	974	452	116	30	590	19	15	2.2
5	.85	163	64	42	810	335	79	26	400	17	13	2.1
6	.85	115	60	31	696	296	64	23	260	16	12	2.0
7	.81	92	55	26	622	284	52	21	190	15	12	2.0
8	.78	75	48	22	621	233	48	22	145	70	45	1.9
9	.78	69	44	19	864	200	45	23	120	41	29	2.0
10	.78	62	40	16	624	178	42	18	105	28	23	2.0
11	.78	53	37	14	515	166	38	15	215	19	20	2.1
12	.81	47	34	13	535	151	34	14	350	14	17	2.1
13	1.0	41	34	12	558	141	30	1780	240	10	15	2.2
14	3.0	36	30	12	599	1460	27	1650	190	8.3	25	2.2
15	10	34	27	12	536	967	24	877	150	6.4	18	2.2
16	15	31	25	11	856	589	24	625	570	5.2	13	2.2
17	1640	30	22	11	943	405	115	430	450	4.5	8.5	2.8
18	1630	27	20	11	595	333	78	350	210	3.8	6.5	3.7
19	434	24	21	10	434	281	55	270	150	3.4	4.8	4.9
20	338	21	21	10	366	239	70	220	115	3.0	3.8	3.4
21	234	19	22	13	324	196	45	250	93	2.7	3.1	3.3
22	169	16	22	647	277	161	33	490	77	2.5	2.6	3.0
23	149	15	21	577	239	130	27	350	66	2.3	2.1	2.9
24	112	13	18	306	202	106	24	250	58	2.1	1.9	2.9
25	93	12	19	235	183	100	25	550	70	2.0	1.7	2.8
26	86	12	18	180	257	84	83	450	55	1.9	1.5	2.5
27	81	12	18	148	327	72	61	300	46	1.8	1.4	2.3
28	64	12	17	124	464	64	38	350	38	1.7	2.0	2.1
29	51	62	16	105	---	58	34	800	32	1.7	2.9	1.8
30	44	568	16	1620	---	53	32	500	28	50	4.3	1.7
31	39	---	15	5480	---	51	---	320	---	33	3.3	---
TOTAL	5204.17	2993	1359	9833	17271	8856	1643	11100	5872	454.3	369.4	74.9
MEAN	168	99.8	43.8	317	617	286	54.8	358	196	14.7	11.9	2.50
MAX	1640	568	234	5480	1470	1460	212	1780	590	70	45	4.9
MIN	.78	12	15	10	183	51	24	14	28	1.7	1.4	1.7
AC-FT	10320	5940	2700	19500	34260	17570	3260	22020	11650	901	733	149

CAL YR 1981	TOTAL	68010.47	MEAN 186	MAX 4710	MIN .78	AC-FT	134900	
WTR YR 1982	TOTAL	65029.77	MEAN 178	MAX 5480	MIN .78	AC-FT	129000	

07247012 POTEAU RIVER SOUTH OF BATES, AR

LOCATION.--Lat 34°53'44", long 94°23'35", in SW 1/4 NW 1/4 sec.27, T.3 N., R.32 W., Scott County, Hydrologic Unit 11110105, at bridge on county road, 0.9 mi (1.4 km) south of Bates.

DRAINAGE AREA.--251 mi^2 (650 km^2).

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
06...	1045	9827	9827	1.4	7.3	23.0	21.0	10	6.0	67	2.6
27...	1105	9827	9827	102	6.9	15.0	13.0	25	9.2	87	1.6
DEC											
01...	1050	9827	9827	288	7.0	9.0	11.0	--	9.3	84	5.7
FEB											
23...	1205	9827	9827	295	7.0	20.0	10.0	30	10.4	92	--
MAR											
09...	1230	9827	9827	248	7.1	19.0	9.0	20	12.2	105	1.3
30...	1225	9827	9827	69	7.2	36.0	18.0	15	11.2	118	1.4
APR											
13...	1230	9827	9827	38	7.2	--	--	15	10.2	--	2.9
MAY											
11...	1245	9827	9827	21	7.1	42.0	25.0	--	8.5	101	3.0
JUN											
15...	1420	9827	9827	201	6.6	38.0	25.0	35	7.2	86	1.5
JUL											
13...	1215	9827	9827	97	7.2	39.0	30.0	--	8.6	113	--
AUG											
10...	1105	9827	9827	31	6.7	35.0	26.0	55	4.9	60	2.5
SEP											
07...	1415	9827	9827	3.1	7.0	34.0	26.0	9.0	7.3	89	4.1

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
06...	100	34	9.0	6.0	64	.09	10	.07	.010	.060	.010
27...	52	22	7.0	5.5	61	.08	10	.14	.010	.050	.010
DEC											
01...	--	30	13	8.5	94	.13	39	--	.050	--	.090
FEB											
23...	40	20	13	6.0	63	.09	10	.20	.040	.110	.010
MAR											
09...	40	22	10	8.5	63	.09	6	.18	.020	.070	.010
30...	28	20	8.0	5.0	59	.08	12	.01	.040	.050	.010
APR											
13...	24	32	12	6.0	66	.09	8	.01	.020	--	.010
MAY											
11...	16	24	11	7.0	66	.09	8	.02	.010	.050	<.010
JUN											
15...	92	20	22	5.0	74	.10	20	.14	.040	.040	.020
JUL											
13...	28	--	--	13	62	.08	11	.04	.010	--	--
AUG											
10...	140	24	9.0	9.5	97	.13	36	--	.160	--	.040
SEP											
07...	<4	24	7.0	6.0	58	.08	10	--	.060	.050	.010

ARKANSAS RIVER BASIN

07247012 POTEAU RIVER SOUTH OF BATES, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	1045	6	<1	3	<10	--	--	88
27...	1105	<5	<1	3	<10	--	<5	--
DEC								
01...	1050	8	<1	7	<10	--	6	--
FEB								
23...	1205	<5	<1	<1	--	--	<5	--
MAR								
09...	1230	<5	<1	<1	<10	--	<5	11
30...	1225	5	--	<1	16	--	<5	28
APR								
13...	1230	<5	<1	6	<10	--	<5	4
MAY								
11...	1245	<5	<1	<1	10	--	<5	9
JUN								
15...	1420	<5	<1	<1	<10	--	<5	9
JUL								
13...	1215	<5	<1	--	<10	<1.0	<5	5
AUG								
10...	1105	13	<1	1	<10	--	<5	10
SEP								
07...	1415	<5	<1	1	<10	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT											
06...	1045	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB											
23...	1205	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
13...	1230	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
13...	1215	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07249400 JAMES FORK NEAR HACKETT, AR

LOCATION.--Lat 35°09'45", long 94°24'25", in NW 1/4 NW 1/4 sec.34, T.6 N., R.32 W., Sebastian County, Hydrologic Unit 11110105, near left bank on downstream side of bridge on State Highway 45, 1.7 mi (2.7 km) south of Hackett, 2.0 mi (3.2 km) downstream from Elder Branch, 2.0 mi (3.2 km) upstream from small tributary, and 3.6 mi (5.8 km) upstream from Arkansas-Oklahoma State line.

DRAINAGE AREA.--147 mi^2 (381 km^2).

PERIOD OF RECORD.--April 1958 to current year.

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 459.71 ft (140.120 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--24 years, 129 ft^3/s (3.65 m^3/s), 11.92 in/yr (303 mm/yr), 93,460 acre-ft/yr (115 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,000 ft^3/s (850 m^3/s) May 14, 1968, gage height, 23.00 ft (7.010 m), from rating curve extended above 20,000 ft^3/s (566 m^3/s); no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 3,000 ft^3/s (85.0 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Oct. 18	0900	8,520	241	21.08	6.425
Jan. 31	0700	5,410	153	19.80	6.035
May 14	0900	*12,000	340	21.19	6.459

Minimum discharge, 1.2 ft^3/s (.03 m^3/s) Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTMEBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	607	405	18	963	219	36	21	248	24	11	6.8
2	2.4	334	198	18	602	179	36	20	156	23	10	5.7
3	2.6	212	143	21	635	153	36	19	136	21	9.9	4.5
4	2.6	180	109	24	439	192	35	18	274	21	8.4	4.1
5	2.3	143	90	31	320	149	33	17	169	20	7.7	3.7
6	2.4	112	82	35	232	136	32	19	115	19	7.2	3.4
7	2.2	91	78	31	192	132	31	22	91	164	7.1	3.2
8	2.5	86	72	28	213	112	31	22	73	102	51	3.0
9	2.8	90	63	27	451	97	30	18	63	37	31	2.8
10	3.8	91	58	26	320	90	28	16	191	25	18	3.9
11	4.2	82	55	23	249	86	27	15	115	22	15	6.8
12	5.2	75	63	21	288	84	26	16	196	21	14	8.7
13	6.0	69	63	21	326	79	26	3340	128	20	13	11
14	9.5	64	62	20	459	584	24	7400	71	18	12	12
15	14	61	59	20	370	444	24	1370	67	18	11	13
16	8.9	58	56	22	568	270	23	517	372	17	11	13
17	1290	56	51	23	432	187	74	316	194	16	10	13
18	5200	53	46	23	294	143	52	220	112	15	9.8	12
19	530	52	43	24	223	120	40	190	78	14	9.0	13
20	293	49	41	28	186	104	43	126	59	14	8.5	14
21	195	45	40	36	159	87	35	292	49	13	7.8	14
22	185	44	41	487	136	72	29	284	42	12	7.6	13
23	243	40	41	371	114	63	26	238	36	11	7.3	12
24	156	38	28	123	100	58	24	189	33	11	6.6	11
25	134	36	22	75	98	53	24	468	68	11	5.5	9.6
26	154	36	22	63	154	47	24	294	36	11	5.0	9.2
27	125	34	21	57	216	44	23	193	31	11	5.2	8.5
28	105	34	21	53	267	42	23	1210	29	11	6.3	7.7
29	93	35	19	47	---	40	24	487	28	16	6.7	7.2
30	86	952	19	1090	---	39	22	269	26	16	10	6.3
31	78	---	19	3960	---	38	---	255	---	12	8.2	---
TOTAL	8940.7	3859	2130	6846	9006	4143	941	17881	3286	766	350.8	256.1
MEAN	288	129	68.7	221	322	134	31.4	577	110	24.7	11.3	8.54
MAX	5200	952	405	3960	963	584	74	7400	372	164	51	14
MIN	2.2	34	19	18	98	38	22	15	26	11	5.0	2.8
CFSM	1.96	.88	.47	1.50	2.19	.91	.21	3.93	.75	.17	.08	.06
IN.	2.26	.98	.54	1.73	2.28	1.05	.24	4.52	.83	.19	.09	.06
AC-FT	17730	7650	4220	13580	17860	8220	1870	35470	6520	1520	696	508

CAL YR 1981	TOTAL	47338.7	MEAN 130	MAX 5200	MIN 1.2	CFSM .88	IN 11.98	AC-FT 93900		
WTR YR 1982	TOTAL	58405.6	MEAN 160	MAX 7400	MIN 2.2	CFSM 1.09	IN 14.78	AC-FT 115800		

07250000 LEE CREEK NEAR VAN BUREN, AR

LOCATION.--Lat 35°29'40", long 94°26'58", in SE 1/4 sec.21, T.12 N., R.27 E., Indian Meridian, Sequoyah County, Okla., Hydrologic Unit 11110104, on right bank 300 ft (91 m) west of Arkansas-Oklahoma State line, 3.2 mi (5.1 km) downstream from Webbers Creek, 6.8 mi (10.9 km) northwest of Van Buren, and at mile 7.8 (12.6 km).

DRAINAGE AREA.--426 mi^2 (1,103 km^2).

PERIOD OF RECORD.--September 1930 to June 1937, October 1950 to current year.

REVISED RECORDS.--WSP 1211: 1931(M). WSP 1441: 1935(M). WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 408.04 ft (124.371 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). September 1930 to June 1937, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--38 years (1930-36, 1950-82), 485 ft^3/s (13.7 m^3/s), 15.46 in/yr (393 mm/yr), 351,400 acre-ft/yr (433 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,600 ft^3/s (2,280 m^3/s) May 6, 1960, gage height, 30.30 ft (9.235 m); no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 15, 1945, reached a stage of about 35.0 ft (10.67 m), from floodmarks, discharge, about 112,000 ft^3/s (3,170 m^3/s).

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 13,000 ft^3/s (370 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 31	0300	*24,800	702	18.64	5.681
May 14	0700	21,200	600	17.14	5.224

Minimum discharge, 0.08 ft^3/s (0.002 m^3/s) Sept. 30, gage height, 0.44 ft (0.134 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.77	1150	303	61	4270	275	312	159	1530	156	82	2.0
2	.63	1470	376	60	2670	318	313	153	946	132	56	1.9
3	.43	729	296	62	2030	307	284	142	2210	113	44	1.7
4	.28	523	243	63	1560	329	341	132	7480	97	33	1.5
5	.31	541	208	62	1240	384	320	122	3370	83	25	1.4
6	.43	434	186	61	1010	367	278	115	1980	68	20	1.2
7	.41	349	171	58	844	330	267	106	1320	84	19	1.1
8	.41	291	157	55	768	308	288	98	944	95	19	.98
9	.47	258	144	53	804	287	627	90	795	89	25	.92
10	.53	227	133	50	737	279	533	81	2240	76	20	.79
11	.69	202	124	46	638	272	455	73	1710	65	14	.76
12	.84	182	116	45	568	267	411	91	1800	53	12	.71
13	1.2	164	109	46	482	248	378	3250	1280	44	10	.68
14	5.2	148	107	47	427	644	344	12000	935	35	9.4	.70
15	3.6	135	101	46	406	2510	319	4330	713	28	8.8	.64
16	2.6	124	95	44	382	3090	295	2530	2760	24	7.9	.65
17	7.2	114	89	40	353	2300	262	1540	1740	23	6.7	.60
18	63	106	83	37	330	1580	333	1050	1060	19	5.5	.44
19	49	99	78	37	1150	1240	306	964	731	16	4.7	.42
20	82	91	75	38	1000	1040	271	892	562	13	4.1	.46
21	78	85	72	39	770	847	242	735	449	15	4.8	.40
22	75	80	70	56	580	688	218	590	369	12	5.8	.33
23	194	75	70	94	510	593	202	457	310	11	4.0	.25
24	280	71	70	313	450	532	191	379	263	9.6	3.2	.23
25	200	67	69	273	420	473	187	364	251	8.2	2.8	.18
26	168	62	76	242	395	419	193	342	234	7.5	2.5	.15
27	147	57	77	216	380	382	180	292	212	6.8	2.3	.14
28	135	55	73	200	320	355	175	1170	190	7.0	2.5	.11
29	122	52	69	188	---	339	174	1900	196	13	2.3	.11
30	108	132	66	5610	---	330	165	1140	181	100	2.1	.09
31	138	---	63	14200	---	314	---	1090	---	142	2.1	---
TOTAL	1865.00	8073	3969	22442	25494	21647	8864	36377	38761	1645.1	460.5	21.54
MEAN	60.2	269	128	724	911	698	295	1173	1292	53.1	14.9	.72
MAX	280	1470	376	14200	4270	3090	627	12000	7480	156	82	2.0
MIN	.28	52	63	37	320	248	165	73	181	6.8	2.1	.09
CFSM	.14	.63	.30	1.70	2.14	1.64	.69	2.75	3.03	.13	.04	.002
IN.	.16	.70	.35	1.96	2.23	1.89	.77	3.18	3.38	.14	.04	.00
AC-FT	3700	16010	7870	44510	50570	42940	17580	72150	76880	3260	913	43

CAL YR 1981 TOTAL 104010.91 MEAN 285 MAX 5690 MIN .28 CFSM .67 IN 9.08 AC-FT 206300
WTR YR 1982 TOTAL 169619.14 MEAN 465 MAX 14200 MIN .09 CFSM 1.09 IN 14.81 AC-FT 336400

07250500 ARKANSAS RIVER AT VAN BUREN, AR

LOCATION.--Lat 35°25'42", long 94°21'37", in SE 1/4 SW 1/4 sec.25, T.9 N., R.32 W., Crawford County, Hydrologic Unit 11110104, near left bank on upstream side of bridge on U.S. Highway 64 and 71 at Van Buren, 1.4 mi (2.3 km) downstream from Lee Creek, 8.7 mi (14.0 km) downstream from Poteau River, and at mile 316.5 (509.2 km).

DRAINAGE AREA.--150,482 mi^2 (242,126 km^2), of which 22,241 mi^2 (57,604 km^2) is probably noncontributing.

PERIOD OF RECORD.--October 1945 to September 1970, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1945 to September 1970.
SEDIMENT RECORDS: October 1967 to September 1970.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT										
27...	1620	9827	9827	30400	--	7.6	18.0	13.0	45	9.1
DEC										
01...	1440	9827	9827	--	31200	7.9	9.0	10.0	--	10.2
FEB										
23...	0820	9827	9827	--	46800	7.5	18.0	12.0	50	14.0
MAR										
09...	0930	9827	9827	--	32700	8.3	10.0	9.0	40	13.2
30...	0910	9827	9827	--	10500	8.0	26.0	16.0	30	11.3
APR										
13...	1600	9827	9827	--	13400	8.6	--	--	15	--
MAY										
11...	0855	9827	9827	--	9690	--	21.0	21.0	--	10.9
JUN										
15...	1155	9827	9827	138000	--	--	33.0	24.0	--	--
JUL										
13...	0910	9827	9827	--	51900	7.9	28.0	28.0	40	8.4
AUG										
10...	1345	9827	9827	--	27100	8.5	41.0	34.0	15	11.1
SEP										
07...	1145	9827	9827	5000	--	8.3	29.0	27.0	25	10.1

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT									
27...	86	19	2.5	120	88	32	88	282	.38
DEC									
01...	90	--	1.9	2100	136	58	220	498	.68
FEB									
23...	130	--	--	16	84	34	45	202	.27
MAR									
09...	114	21	4.8	18	128	43	140	382	.52
30...	113	20	2.1	8	--	55	15	429	.58
APR									
13...	--	20	--	<4	148	57	170	407	.55
MAY									
11...	121	--	5.2	20	--	--	--	--	--
JUN									
15...	--	--	--	50	--	--	--	--	--
JUL									
13...	106	13	--	340	136	--	90	330	.45
AUG									
10...	154	16	3.4	110	160	59	170	484	.66
SEP									
07...	125	21	2.9	<4	174	68	160	483	.66

07250500 ARKANSAS RIVER AT VAN BUREN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
27...	30	.21	.100	--	<.10	--	--	.110	.020
DEC									
01...	26	--	.090	--	--	--	--	--	.040
FEB									
23...	42	.43	.130	--	--	--	--	.150	.010
MAR									
09...	60	.37	.040	.26	.30	.67	3.0	.150	<.010
30...	37	.78	.060	.44	.50	1.3	5.7	.130	.010
APR									
13...	36	.32	.020	1.3	1.30	1.6	7.2	--	<.010
MAY									
11...	--	--	--	--	--	--	--	--	--
JUN									
15...	--	--	--	--	--	--	--	--	--
JUL									
13...	47	.45	.020	--	--	--	--	.100	--
AUG									
10...	16	--	.010	.29	.30	--	--	--	.020
SEP									
07...	32	--	.030	.97	1.00	--	--	.110	.030

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
27...	1620	5	<1	5	10	--	6	--
DEC								
01...	1440	<5	<1	2	10	--	12	--
FEB								
23...	0820	<5	<1	1	--	--	<5	--
MAR								
09...	0930	12	<1	1	19	--	5	52
30...	0910	<5	--	<1	22	--	13	5
APR								
13...	1600	<5	<1	3	24	--	<5	28
JUL								
13...	0910	<5	<1	--	39	<1.0	<5	40
AUG								
10...	1345	5	<1	1	<10	--	<5	7
SEP								
07...	1145	<5	<1	2	20	--	<5	880

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
01...	1440	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
09...	0930	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
11...	0855	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
10...	1345	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, AR

LOCATION.--Lat 35°20'56", long 94°17'54", in sec.28, T.8 N., R.31 W., Sebastian County, Hydrologic Unit 11110104, in Dam No. 13 control house on right bank and at mile 308.9 (497.0 km).

DRAINAGE AREA.--150,547 mi^2 (389,917 km^2), of which 22,241 mi^2 (57,604 km^2) is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1927 to current year. Prior to October 1969, published as "07250500 Arkansas River at Van Buren." Gage-height records collected from 1879 to December 1955 at Fort Smith, 16.3 mi (26.2 km) upstream, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: 1934-36. WSP 1561: 1554. WRD Ark. 1970: Drainage area.

GAGE.--Water-stage and gate position recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1934, nonrecording gage, and Oct. 1, 1934, to Dec. 20, 1969, recording gage at site 7.9 mi (12.7 km) upstream at datum 372.36 ft (113.495 m) higher.

REMARKS.--Records good. Beginning Apr. 26, 1970, daily discharge computed from relation between discharge, head, and gate openings. Flow regulated upstream by many locks, dams, and reservoirs.

AVERAGE DISCHARGE.--55 years, 30,730 ft^3/s (870 m^3/s), 22,260,000 acre-ft/yr (27,400 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 850,000 ft^3/s (24,100 m^3/s) May 12, 1943, gage height, 38.0 ft (11.58 m), from floodmark, site and datum then in use; maximum gage height, 38.10 ft (11.613 m), former site and datum, Apr. 16, 1945; no flow Nov. 2, 1975, Feb. 1, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1833, that of Apr. 16, 1945, and maximum discharge since at least 1833, that of May 12, 1943. Flood in June 1833 reached a stage of 38.0 ft (11.6 m) on Fort Smith gage, from records collected by National Weather Service. Flood of Apr. 16, 1927, reached a stage of 35.0 ft (10.67 m), former site and datum, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 155,000 ft^3/s (4,390 m^3/s) June 5, tailwater elevation, 390.69 ft (119.082 m); minimum daily, 60 ft^3/s (1.70 m^3/s) Oct. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4470	52500	27100	1760	93000	38600	17400	6080	121000	110000	30100	8610
2	5190	50500	25400	5780	78500	38100	17300	1560	121000	111000	29800	9770
3	1070	45500	24000	10700	62300	38600	15200	8070	121000	106000	32500	9220
4	1100	50900	14500	16200	45700	37800	16900	11600	139000	88900	25000	9260
5	5930	53900	19800	12400	57200	36000	19700	12800	154000	76600	25100	219
6	8210	55600	22000	15000	47600	33500	20400	15100	146000	61700	24400	216
7	1750	51800	19000	14700	47600	30200	9330	13400	135000	60200	21000	5000
8	268	48600	27100	17700	47300	33000	16000	12800	132000	62000	21600	6140
9	2150	52400	26700	5280	47300	30500	11800	2750	130000	59800	21500	5650
10	105	64100	24600	15300	47300	33500	11000	19000	133000	57600	20500	6000
11	60	58300	26000	20800	47200	29600	9230	19600	138000	58500	21500	1370
12	3210	47600	17900	15300	47200	29600	7080	23100	144000	60200	18700	904
13	15900	47300	16300	9510	47500	30100	9840	67400	146000	53100	16400	3750
14	35600	47800	24400	3980	47200	37500	10700	114000	146000	44400	12900	5880
15	33100	45100	16900	3790	48000	38300	11100	109000	138000	34900	7840	6770
16	32300	46100	11500	12000	49200	37800	7190	89000	143000	33500	16700	5200
17	31600	41800	24500	3240	44500	43300	7540	76100	149000	34100	16200	7640
18	34800	40800	26400	15700	47000	47700	7250	84900	148000	33500	14400	763
19	24600	43400	13200	12700	48000	41700	6850	100000	144000	33400	7720	698
20	38100	41500	12300	16600	45700	42300	14200	103000	134000	29400	13200	4720
21	28800	36800	5960	14400	46900	40600	12300	107000	127000	32700	5550	3760
22	27500	32900	10500	17100	46900	34100	12500	109000	125000	28300	1170	1460
23	19000	32800	15100	8230	47000	35900	8420	109000	124000	26300	14400	1470
24	11700	38400	3360	11600	47000	34500	3370	105000	121000	26300	11000	2620
25	12800	26300	7190	13300	46500	39700	5710	108000	120000	22200	5410	1420
26	33600	11300	6970	12500	45100	37200	14700	106000	120000	21500	12500	1450
27	30400	16900	3890	6670	44500	39400	10600	105000	121000	22100	20800	1390
28	22200	9200	7570	6330	43900	37600	2070	111000	114000	19800	6080	1380
29	17200	9210	3660	6980	---	21600	17700	118000	109000	19900	6900	1420
30	16800	29900	5550	45800	---	20800	11600	115000	108000	23400	10200	1400
31	12400	---	9550	129000	---	29800	---	111000	---	31000	7390	---
TOTAL	511913	1229210	498900	500350	1413100	1098900	344980	2093260	3951000	1482300	498460	115550
MEAN	16510	40970	16090	16140	50470	35450	11500	67520	131700	47820	16080	3852
MAX	38100	64100	27100	129000	93000	47700	20400	118000	154000	111000	32500	9770
MIN	60	9200	3360	1760	43900	20800	2070	1560	108000	19800	1170	216
AC-FT	1015000	2438000	989600	992400	2803000	2180000	684300	4152000	7837000	2940000	988700	229200

CAL YR 1981 TOTAL 4880719.00 MEAN 13370 MAX 64100 MIN .00 AC-FT 9681000
WTR YR 1982 TOTAL 13737923.00 MEAN 37640 MAX 154000 MIN 60 AC-FT 27250000

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, AR--CONTINUED
(National tritium and pesticide station)
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1969 to September 1981.
WATER TEMPERATURES: October 1969 to September 1972, March 1974 to September 1981.
SUSPENDED SEDIMENT DISCHARGE: October 1970 to September 1981.

INSTRUMENTATION.--Water-quality monitor December 1969 to September 1981.

COOPERATION.--Pesticide samples were collected by the U.S. Geological Survey and were analyzed by Environmental Protection Agency.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (FTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
16...	1130	80513	80010	38100	1022	8.1	20.0	--	8.2	89
NOV										
23...	1400	80513	--	--	--	--	--	--	--	--
DEC										
01...	1015	80513	80010	31500	--	--	--	18	9.9	--
23...	1100	80513	--	--	--	--	--	--	--	--
JAN										
26...	1030	80513	--	--	--	--	--	--	--	--
FEB										
10...	1000	80513	80010	47400	350	7.5	1.5	70	12.7	90
MAR										
15...	1035	80513	--	--	--	--	--	--	--	--
APR										
06...	1115	80513	80010	25700	890	8.3	14.0	18	10.3	99
MAY										
14...	1200	80513	--	--	--	--	--	--	--	--
JUN										
10...	0830	80513	80010	132000	524	8.0	24.0	60	7.5	88
JUL										
16...	1200	80513	--	--	--	--	--	--	--	--
AUG										
11...	0930	80513	80010	1140	862	8.1	29.5	15	6.6	85
11...	1030	--	--	--	--	--	--	--	--	--
SEP										
17...	1030	--	--	--	--	--	--	--	--	--

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
OCT										
16...	200	140	--	--	--	--	--	--	--	--
NOV										
23...	--	--	--	--	--	--	--	--	--	--
DEC										
01...	470	420	140	47	41	9.0	110	62	4.3	4.5
23...	--	--	--	--	--	--	--	--	--	--
JAN										
26...	--	--	--	--	--	--	--	--	--	--
FEB										
10...	450	98	98	35	29	6.3	29	38	1.3	3.7
MAR										
15...	--	--	--	--	--	--	--	--	--	--
APR										
06...	K9	K20	170	58	49	11	130	62	4.6	3.8
MAY										
14...	--	--	--	--	--	--	--	--	--	--
JUN										
10...	310	--	120	40	35	8.7	55	48	2.3	3.6
JUL										
16...	--	--	--	--	--	--	--	--	--	--
AUG										
11...	K60	K16	160	54	47	11	100	56	3.6	4.4
11...	--	--	--	--	--	--	--	--	--	--
SEP										
17...	--	--	--	--	--	--	--	--	--	--

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
OCT 16...	--	--	--	--	--	--	--	--	--	.08
NOV 23...	--	--	--	--	--	--	--	--	--	--
DEC 01...	92	60	180	.3	2.5	505	463	.69	43000	.30
23...	--	--	--	--	--	--	--	--	--	--
JAN 26...	--	--	--	--	--	--	--	--	--	--
FEB 10...	63	31	38	.3	4.6	195	180	.27	25000	1.3
MAR 15...	--	--	--	--	--	--	--	--	--	--
APR 06...	110	66	160	.2	1.9	496	488	.67	34400	.59
MAY 14...	--	--	--	--	--	--	--	--	--	--
JUN 10...	83	42	80	.3	6.6	304	281	.41	108000	.67
JUL 16...	--	--	--	--	--	--	--	--	--	--
AUG 11...	109	63	160	.3	5.2	494	457	.67	1520	.24
11...	--	--	--	--	--	--	--	--	--	--
SEP 17...	--	--	--	--	--	--	--	--	--	--

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	TRITIUM IN WATER MOLECULES (TU) (07012)	TRITIUM WATER MOLECULES COUNT ERROR (TU) (07013)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 16...	.110	.14	5.50	.110	.060	--	--	31	3190	87
NOV 23...	--	--	--	--	--	19.9	1.0	--	--	--
DEC 01...	.070	.09	.27	.070	.030	--	--	32	2720	55
23...	--	--	--	--	--	21.3	1.1	--	--	--
JAN 26...	--	--	--	--	--	20.6	1.1	--	--	--
FEB 10...	.210	.27	1.20	.130	.050	--	--	67	8580	84
MAR 15...	--	--	--	--	--	20.1	1.1	--	--	--
APR 06...	.040	.05	.60	.120	.060	21.1	.9	32	2220	86
MAY 14...	--	--	--	--	--	17.8	.9	--	--	--
JUN 10...	.050	.06	.70	.170	.070	17.0	.8	446	159000	20
JUL 16...	--	--	--	--	--	19.7	1.0	--	--	--
AUG 11...	.060	.08	.60	.120	.070	--	--	28	86	69
11...	--	--	--	--	--	18.9	.9	--	--	--
SEP 17...	--	--	--	--	--	20.7	1.0	--	--	--

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
FEB 10...	1000	1	1	100	20	84	3	1	2	20
APR 06...	1115	1	1	100	5	95	1	--	<1	20
AUG 11...	0930	4	4	100	0	110	<1	--	<1	20

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
FEB 10...	1000	--	<10	<1	--	<1	56	38	18	2500	2400
APR 06...	1115	10	10	9	0	9	6	5	1	570	550
AUG 11...	0930	0	20	<1	--	<1	12	7	5	660	650

DATE	TIME	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)
FEB 10...	1000	110	22	19	3	120	100	19	.1	--	<.1
APR 06...	1115	18	5	--	<1	80	80	2	<.1	--	.1
AUG 11...	0930	8	7	5	2	80	80	4	.1	.0	.1

DATE	TIME	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
FEB 10...	1000	<1	<1	<1	<1	80	20	58
APR 06...	1115	<1	<1	<1	<1	50	50	4
AUG 11...	0930	<1	<1	<1	<1	120	100	21

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	MALATHION, TOTAL (UG/L) (39530)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39333)
OCT 16...	1130	<.10	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<0	--	--
APR 06...	1115	<.10	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<1	<1	<.1

DATE	CHLORDANE, TOTAL (UG/L) (39350)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG) (39363)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39368)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG) (39373)	DIAZINON, TOTAL (UG/L) (39570)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)
OCT 16...	<.10	--	<.01	--	--	--	.01	--	<.01	--	--
APR 06...	<.10	<1.0	<.01	<.1	<.1	<.1	.01	<.1	<.01	<.1	<.1

DATE	ETHION, TOTAL (UG/L) (39398)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL TRITHION, TOTAL (UG/L) (39790)	MIREX, TOTAL (UG/L) (39755)
OCT 16...	<.01	<.01	--	<.01	--	<.01	--	<.01	--	<.01	<.01
APR 06...	<.01	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.01

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) (39758)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) (39250)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39251)	PARATHION, TOTAL (UG/L) (39540)	PERTHANE IN BOTTOM MATERIL (UG/KG) (81886)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	TOTAL TRITHION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2, 4-DP TOTAL (UG/L) (82183)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)
OCT 16...	--	<.10	--	<.01	--	--	<.01	.02	<.01	<.01	<.01
APR 06...	<.1	<.10	<1.0	<.01	<1.00	<10	<.01	<.01	<.01	<.01	<.01

07252000 MULBERRY RIVER NEAR MULBERRY, AR

LOCATION.--Lat 35°34'37", long 94°00'55", in SE 1/4 SW 1/4 sec.31, T.11 N., R.28 W., Franklin County, Hydrologic Unit 11110201, on left bank 0.6 mi (1.0 km) upstream from Mill Creek, 5.7 mi (9.2 km) north of Mulberry, and at mile 11.3 (18.2 km).

DRAINAGE AREA.--373 mi^2 (966 km^2).

PERIOD OF RECORD.--May 1938 to current year.

REVISED RECORDS.--WSP 1007: 1943. WSP 1211: 1941-42. WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 432.75 ft (131.902 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Apr. 19, 1940, nonrecording gage at site 500 ft (152 m) downstream at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--44 years, 531 ft^3/s (15.0 m^3/s), 19.33 in/yr (491 mm/yr), 384,700 acre-ft/yr (474 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 56,800 ft^3/s (1,609 m^3/s) Nov. 25, 1973, gage height, 21.34 ft (6.504 m); no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1927 reached a stage of 22.0 ft (6.71 m), discharge, about 59,000 ft^3/s (1,700 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37,000 ft^3/s (1,050 m^3/s) Jan. 31 at 0300 hours, gage height, 17.56 ft (5.352 m), no other peak above base of 10,000 ft^3/s (280 m^3/s); minimum, 2.7 ft^3/s (0.08 m^3/s), Sept. 30, gage height, 0.69 ft (0.210 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	2260	1720	106	4800	346	338	505	539	535	49	14
2	9.8	2770	1120	104	2950	325	314	473	448	421	42	17
3	9.5	1420	829	110	2200	320	329	437	1350	337	36	17
4	8.7	998	660	134	1720	309	330	401	4170	270	32	15
5	7.6	754	537	162	1400	312	306	360	2660	218	28	14
6	7.4	590	474	176	1150	298	289	325	1670	180	24	12
7	7.0	486	428	180	1010	279	269	352	1200	177	21	11
8	6.8	425	386	178	901	265	319	382	861	258	20	9.7
9	6.2	371	337	165	894	251	552	318	645	263	20	7.9
10	5.8	314	296	159	780	237	555	278	1380	205	33	7.0
11	5.7	274	267	150	691	231	531	245	1180	166	34	6.2
12	6.0	241	243	145	658	231	506	220	1410	138	31	5.6
13	7.5	216	224	168	633	231	485	880	1090	121	30	5.1
14	84	196	207	159	588	565	450	2700	820	105	29	5.0
15	147	178	194	143	579	2400	416	1590	662	93	32	4.3
16	108	166	184	143	643	1790	394	1150	2260	82	34	3.9
17	128	156	174	191	845	1390	468	882	1880	72	35	3.4
18	398	145	163	134	858	1140	576	722	1260	64	34	3.3
19	408	135	154	126	782	963	519	592	928	59	29	3.2
20	274	126	146	124	700	843	499	521	720	53	25	3.2
21	199	118	137	125	648	717	446	465	561	47	22	3.6
22	181	111	138	715	587	603	399	422	464	42	21	3.9
23	251	106	144	1970	533	527	361	348	386	39	19	4.4
24	294	101	146	1350	494	480	332	294	316	38	20	4.4
25	270	98	140	1060	456	440	316	383	295	33	18	4.2
26	441	95	133	852	423	396	327	362	434	34	15	3.8
27	480	91	126	725	399	355	415	344	653	35	14	3.7
28	390	87	124	641	374	325	357	569	889	34	15	3.5
29	315	84	119	563	---	301	386	870	1060	35	14	3.1
30	261	397	113	8990	---	309	527	637	707	34	15	2.8
31	229	---	110	19100	---	379	---	514	---	36	15	---
TOTAL	4957.0	13509	10173	39048	28696	17558	12311	18541	32898	4224	806	205.2
MEAN	160	450	328	1260	1025	566	410	598	1097	136	26.0	6.84
MAX	480	2770	1720	19100	4800	2400	576	2700	4170	535	49	17
MIN	5.7	84	110	104	374	231	269	220	295	33	14	2.8
CFSM	.43	1.21	.88	3.38	2.75	1.52	1.10	1.60	2.94	.37	.07	.02
IN.	.49	1.35	1.01	3.89	2.86	1.75	1.23	1.85	3.28	.42	.08	.02
AC-FT	9830	26800	20180	77450	56920	34830	24420	36780	65250	8380	1600	407

CAL YR 1981 TOTAL 127574.0 MEAN 350 MAX 3390 MIN 5.7 CFSM .94 IN 12.72 AC-FT 253000
WTR YR 1982 TOTAL 182926.2 MEAN 501 MAX 19100 MIN 2.8 CFSM 1.34 IN 18.24 AC-FT 362800

07252406 ARKANSAS RIVER AT OZARK DAM AT OZARK, AR

LOCATION.--Lat 35°28'21", long 93°48'46", in SW 1/4 sec.6, T.9 N., R.26 W., Franklin County, Hydrologic Unit 11110201, at Ozark Dam 1.0 mi (1.6 km) southeast of Ozark, and at mile 272.9 (439.1 km).

DRAINAGE AREA.--151,801 mi^2 (393,165 km^2), of which 22,241 mi^2 (57,604 km^2) is probably noncontributing.

PERIOD OF RECORD.--August 1962 to August 1963, January 1965 to March 1966, April 1974 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: January 1965 to March 1966.
SUSPENDED SEDIMENT DISCHARGE: October 1974 to September 1975.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
06...	0830	9827	9827	11200	8.3	19.0	22.0	6.0	7.3	79	4.0
27...	0840	9827	9827	41400	7.7	10.0	16.0	40	8.6	86	2.1
DEC											
01...	0910	9827	9827	47300	8.0	10.0	7.0	--	9.6	79	1.7
FEB											
23...	1545	9827	9827	57200	7.8	21.0	12.0	45	12.2	113	--
MAR											
09...	1630	9827	9827	40800	8.6	15.0	10.0	25	13.8	122	2.2
30...	1440	9827	9827	28100	8.0	26.0	17.0	20	10.7	110	.7
APR											
13...	0800	9827	9827	10800	8.2	--	--	10	11.1	--	2.4
MAY											
11...	1810	9827	9827	26800	8.5	32.0	23.0	--	9.5	109	2.9
JUN											
15...	1005	9827	9827	163000	7.7	31.0	23.0	70	7.9	91	2.2
JUL											
13...	1630	9827	9827	68500	8.0	36.0	29.0	30	8.4	108	--
AUG											
10...	0700	9827	9827	29200	8.1	21.0	28.0	25	7.7	97	2.4
SEP											
07...	0930	9827	9827	3430	8.0	27.0	28.0	20	7.3	92	1.7

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
06...	4	162	52	140	450	.61	13	.05	.020	.100	.010
27...	80	114	42	140	397	.54	32	.21	.110	.110	<.010
DEC											
01...	420	150	62	230	536	.73	22	--	.060	--	.030
FEB											
23...	10	112	43	71	274	.37	28	.57	.120	.130	.010
MAR											
09...	<4	150	50	160	456	.62	30	.39	.030	.110	<.010
30...	10	150	54	150	426	.58	21	.83	.070	.100	.030
APR											
13...	<4	160	61	170	452	.61	17	.44	.040	--	<.010
MAY											
11...	4	148	58	170	456	.62	23	.06	.070	.080	<.010
JUN											
15...	24	138	51	96	359	.49	68	.64	.060	.130	.050
JUL											
13...	28	146	--	97	345	.47	33	.44	.030	.100	--
AUG											
10...	68	160	57	160	467	.64	17	--	.020	--	.010
SEP											
07...	<4	162	67	150	487	.66	14	--	.110	.090	.040

07252406 ARKANSAS RIVER AT OZARK DAM AT OZARK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	0830	<5	<1	4	<10	--	--	120
27...	0840	5	<1	7	18	--	8	--
DEC								
01...	0910	6	<1	2	30	--	12	--
FEB								
23...	1545	<5	<1	<1	--	--	<5	--
MAR								
09...	1630	8	<1	<1	20	--	7	47
30...	1440	11	--	<1	19	--	9	38
APR								
13...	0800	<5	<1	5	13	--	<5	15
MAY								
11...	1810	<5	<1	<1	21	--	9	21
JUN								
15...	1005	7	<1	2	27	--	<5	51
JUL								
13...	1630	<5	<1	--	18	<1.0	<5	13
AUG								
10...	0700	5	2	6	25	--	<5	36
SEP								
07...	0930	6	1	1	35	--	5	37

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
FEB											
23...	1545	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
13...	0800	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
13...	1630	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07257000 BIG PINEY CREEK NEAR DOVER, AR

LOCATION.--Lat 35°32'58", long 93°09'30", in SW 1/4 NE 1/4 sec.6, T.10 N., R.20 W., Pope County, Hydrologic Unit 11110202, on left bank 7.2 mi (11.6 km) downstream from Indian Creek, 10.4 mi (16.7 km) north of Dover, and at mile 28.0 (45.1 km).

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

PERIOD OF RECORD.--October 1950 to current year. Prior to October 1967, published as "Piney Creek near Dover."

REVISED RECORDS.--WRD Ark. 1972: 1949(M), 1953(M), 1957(M), 1961(M), 1966(M), 1968-69(M).

GAGE.--Water-stage recorder. Datum of gage is 487.66 ft (148.639 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--32 years, 390 ft^3/s (11.0 m^3/s) 19.33 in/yr (491 mm/yr), 282,600 acre-ft/yr (348 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 74,600 ft^3/s (2,110 m^3/s) Dec. 10, 1971, gage height, 28.7 ft (8.75 m), from floodmark, from rating curve extended above 45,000 ft^3/s (1,270 m^3/s); no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 24, 1949, reached a stage of 25.6 ft (7.80 m), from floodmarks, discharge, about 55,800 ft^3/s (1,580 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,900 ft^3/s (847 m^3/s) Jan. 30 at 2200 hours, gage height, 19.15 ft (5.837 m), no other peak above base of 7,000 ft^3/s (200 m^3/s); minimum, 2.5 ft^3/s (0.07m^3/s) Oct. 6, gage height, 0.86 ft (0.262 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	170	1140	56	2790	308	188	420	213	202	68	143
2	4.1	682	624	58	1630	264	202	384	170	159	67	112
3	4.5	396	443	71	1200	251	277	348	525	131	56	90
4	4.0	284	324	99	906	246	259	315	2020	115	47	72
5	2.8	226	261	119	741	243	242	285	1360	98	39	57
6	3.0	186	225	124	624	222	227	261	782	81	34	46
7	3.8	155	204	123	550	210	210	329	572	72	137	38
8	4.8	136	182	117	529	190	339	308	429	134	404	32
9	5.4	123	158	108	554	185	554	270	331	127	331	27
10	5.5	110	141	103	492	176	495	246	644	102	197	23
11	5.7	99	130	88	441	176	453	220	580	81	268	21
12	8.4	92	122	93	426	178	417	194	626	62	651	20
13	11	85	115	93	401	178	395	389	493	51	344	19
14	16	78	108	92	394	2070	357	615	398	43	269	19
15	20	73	102	92	412	1800	329	609	332	59	231	20
16	58	69	95	90	901	1260	316	507	2730	44	173	34
17	194	64	89	78	1500	931	833	406	1520	37	134	27
18	468	62	83	80	1090	760	710	364	943	31	107	23
19	227	58	77	78	859	650	660	348	671	25	86	20
20	140	53	71	80	746	578	635	294	517	22	69	18
21	109	49	69	82	672	499	566	255	397	18	56	16
22	92	47	70	505	582	419	506	222	328	50	44	13
23	94	45	76	1270	504	373	445	185	278	146	37	12
24	127	43	78	781	452	343	403	157	216	59	31	13
25	111	43	76	607	394	308	378	148	211	38	26	12
26	116	45	72	492	340	270	469	141	422	34	23	12
27	155	43	68	415	324	238	466	131	610	44	172	11
28	138	42	66	363	299	222	388	142	432	38	1260	10
29	121	41	64	334	---	210	416	180	329	95	448	9.8
30	108	440	61	8840	---	197	466	147	259	122	268	9.4
31	99	---	59	9340	---	202	---	146	---	84	192	---
TOTAL	2460.3	4039	5453	24871	20753	14157	12601	8966	19338	2404	6269	979.2
MEAN	79.4	135	176	802	741	457	420	289	645	77.5	202	32.6
MAX	468	682	1140	9340	2790	2070	833	615	2730	202	1260	143
MIN	2.8	41	59	56	299	176	188	131	170	18	23	9.4
CFSM	.29	.49	.64	2.93	2.70	1.67	1.53	1.06	2.35	.28	.74	.12
IN.	.33	.55	.74	3.38	2.82	1.92	1.71	1.22	2.63	.33	.85	.13
AC-FT	4880	8010	10820	49330	41160	28080	24990	17780	38360	4770	12430	1940

CAL YR 1981 TOTAL 82663.8 MEAN 226 MAX 2820 MIN 2.8 CFSM .83 IN 11.22 AC-FT 164000
WTR YR 1982 TOTAL 122290.5 MEAN 335 MAX 9340 MIN 2.8 CFSM 1.22 IN 16.60 AC-FT 242600

07258000 ARKANSAS RIVER AT DARDANELLE, AR

LOCATION.--Lat 35°13'34", long 93°08'58", in SW 1/4 sec.29, T.7 N., R.20 W., Pope County, Hydrologic Unit 11110203, near left bank on upstream side of bridge on State Highway 7 at Dardanelle, 1.0 mi (1.6 km) upstream from Whig Creek, 2.0 mi downstream from Dardanelle Dam, 4.7 mi (7.6 km) downstream from Illinois Bayou, and at mile 219.5 (353.2 km).

DRAINAGE AREA.--153,670 mi^2 (398,010 km^2), of which 22,241 mi^2 (57,604 km^2) is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1937 to current year. Gage-height records collected at same site since 1886 are contained in reports of National Weather Service.

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder at bridge, and totalizing flowmeters on each turbine in Dardanelle Dam 2.0 mi (3.2 km) upstream. Datum of gage is 280.16 ft (85.393 m) National Geodetic Vertical Datum of 1929. Prior to Jan. 11, 1939, nonrecording gage at same site at datum 10.0 ft (3.048 m) higher. Jan. 11, 1939, to Dec. 10, 1970, water-stage recorder at same site at datum 10.0 ft (3.048 m) higher.

REMARKS.--Records good. Flow regulated upstream by many locks, dams, and reservoirs. Daily discharge below about 50,000 ft^3/s (1,420 m^3/s) determined from flow through turbines.

AVERAGE DISCHARGE.--45 years, 34,790 ft^3/s (985 m^3/s), 25,210,000 acre-ft/yr (31,100 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 683,000 ft^3/s (19,300 m^3/s) May 13, 14, 1943; maximum gage height, 43.60 ft (13.289 m), in gage well, 44.1 ft (13.44 m) from outside gage, May 25, 1943, present datum; minimum daily discharge, 40 ft^3/s (1.13 m^3/s) Sept. 18, 1982.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 19, 1927, reached a stage of 43.0 ft (13.11 m), present datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 192,000 ft^3/s (5,440 m^3/s) Jan. 31, gage height, 29.63 ft (9.031 m); minimum daily, 40 ft^3/s (1.13 m^3/s) Sept. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4070	35100	35200	4480	153000	46800	18900	9640	103000	98600	26800	9950
2	4620	55900	36900	1880	102000	41700	25700	4480	107000	99800	33100	7290
3	3310	51400	26500	6950	84700	39600	25900	10200	112000	99100	18100	10100
4	2520	50200	26800	23000	68800	37700	5110	9780	122000	96200	24200	4670
5	4230	53100	15800	11500	57100	40900	20500	13300	139000	83500	24600	4530
6	3430	59800	21100	14600	61000	35900	25200	14300	151000	68600	23800	4000
7	3030	55000	29400	18200	52700	29100	13100	12300	146000	66100	23700	5440
8	3390	49100	21200	17700	50200	31900	13200	11200	130000	65800	24300	5070
9	2320	54300	27400	14100	53900	33300	9610	1750	126000	66500	25500	2230
10	203	54400	21900	14700	53100	32100	23700	17300	129000	52200	23500	7250
11	1260	62000	23600	24300	52600	31500	8380	19400	132000	52500	23500	2460
12	2060	58900	19100	13000	52500	27300	11000	27900	136000	57400	24300	2480
13	8900	46400	18800	10500	51500	32600	9280	43100	138000	52600	22000	6700
14	19000	44200	24200	4500	51000	35800	12800	80400	139000	47400	20200	4880
15	27600	48700	24900	7840	50000	44800	19400	109000	141000	42700	17500	2070
16	34900	49600	17000	9490	50600	48000	8630	109000	141000	42800	13200	6820
17	35700	44400	16600	5300	59500	48900	9410	90200	143000	30500	16100	5840
18	44100	42900	28000	16800	51300	53900	8600	76300	148000	23300	17500	40
19	36000	38400	27000	15500	51400	54300	12200	83600	145000	29900	10000	3050
20	29500	38600	1460	15600	52800	41500	14200	93200	138000	26900	12600	5350
21	34400	38900	4630	16900	50200	42800	14700	99700	126000	25600	200	6870
22	35600	38000	11400	16300	48300	46500	13800	100000	121000	26000	785	3230
23	27500	33300	15200	18100	46900	40900	11200	100000	121000	25800	10800	996
24	17900	29700	7400	17500	52200	41500	7230	100000	114000	21800	9510	3600
25	15700	24700	3160	19000	49500	41700	4540	99500	114000	18700	15900	2230
26	33800	21300	8020	18100	46200	39700	15400	99700	113000	28800	13800	2880
27	30800	13200	2370	9000	47500	34400	17500	99500	114000	23000	9930	3640
28	26900	10500	7390	9670	47900	36400	5850	99600	126000	14800	6030	2640
29	20700	11800	10400	11800	---	37600	11000	110000	115000	43000	7920	4250
30	16900	25500	6150	26500	---	17400	16000	106000	105000	24700	13100	1140
31	14300	---	5910	158000	---	29600	---	110000	---	28700	10200	---
TOTAL	544643	1239300	544890	570810	1648400	1196100	412040	1960350	3835000	1483300	522675	131696
MEAN	17570	41310	17580	18410	58870	38580	13730	63240	127800	47850	16860	4390
MAX	44100	62000	36900	158000	153000	54300	25900	110000	151000	99800	33100	10100
MIN	203	10500	1460	1880	46200	17400	4540	1750	103000	14800	200	40
AC-FT	1080000	2458000	1081000	1132000	3270000	2372000	817300	3888000	7607000	2942000	1037000	261200

CAL YR 1981	TOTAL	5533144	MEAN	15160	MAX	62000	MIN 69	AC-FT	10970000
WTR YR 1982	TOTAL	14089204	MEAN	38600	MAX	158000	MIN 40	AC-FT	27950000

07258000 ARKANSAS RIVER AT DARDANELLE, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1949-61, August 1961 to August 1963, July 1971 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1948 to September 1961.
WATER TEMPERATURES: October 1948 to September 1961, July 1971 to current year.
SUSPENDED SEDIMENT DISCHARGE: October 1967 to current year.

COOPERATION.--Sediment records furnished by Corps of Engineers, Little Rock, Ark. Chemical records furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTMEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT												
13...	0920	9827	9827	--	2090	8.1	20.0	22.0	6.2	7.0	80	1.5
NOV												
17...	0900	9827	9827	44400	--	8.0	8.0	14.0	20	11.1	107	--
DEC												
15...	0900	9827	9827	24900	--	8.0	4.0	8.0	20	11.2	94	1.2
FEB												
02...	0830	9827	9827	102000	--	7.7	-5.0	4.0	110	14.6	111	1.9
16...	1730	9827	9827	50600	--	7.7	6.0	13.0	55	13.7	129	1.3
MAR												
16...	1300	9827	9827	48000	--	8.2	25.0	14.0	20	11.8	--	2.1
APR												
20...	1345	9827	9827	--	18500	8.5	20.0	17.0	10	10.8	111	2.6
MAY												
11...	1330	9827	9827	--	23400	8.1	30.0	21.0	--	6.7	74	2.1
JUN												
22...	1350	9827	9827	121000	--	7.7	24.0	25.0	55	9.4	112	2.2
JUL												
20...	1315	9827	9827	--	29400	7.5	35.0	30.0	30	6.4	84	1.8
AUG												
17...	1320	9827	9827	--	12500	7.9	32.0	28.0	25	6.6	84	1.7
SEP												
14...	1305	9827	9827	--	3600	7.9	32.0	28.0	20	5.8	73	1.9

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
13...	230	158	55	140	463	.63	10	.01	.050	.040	<.010
NOV											
17...	<4	148	60	150	444	.60	24	.25	.030	.100	.020
DEC											
15...	8	132	54	--	444	.60	19	.39	.040	.070	.010
FEB											
02...	270	84	32	130	297	.40	112	.45	.110	.300	.030
16...	44	80	22	37	186	.25	44	.58	.110	.150	.020
MAR											
16...	4	136	52	140	403	.55	19	.35	.100	.090	.010
APR											
20...	--	148	57	15	398	.54	18	.20	.040	.060	<.010
MAY											
11...	8	130	37	110	367	.50	16	.07	.130	.060	<.010
JUN											
22...	100	126	47	80	324	.44	54	.63	.050	.090	.010
JUL											
20...	24	142	--	--	335	.46	21	.37	.100	--	.020
AUG											
17...	330	--	54	140	429	.58	23	.22	.100	.090	.020
SEP											
14...	96	156	56	120	436	.59	16	.26	.110	.080	.050

07258000 ARKANSAS RIVER AT DARDANELLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
13...	0920	8	--	4	8	--	<5	--
NOV								
17...	0900	7	<1	7	21	--	--	38
DEC								
15...	0900	18	3	<1	19	--	6	81
FEB								
02...	0830	11	2	3	--	--	<5	86
16...	1730	10	4	2	--	--	<5	110
MAR								
16...	1300	<5	2	<1	17	--	9	63
APR								
20...	1345	<5	<1	<1	13	--	<5	21
MAY								
11...	1330	16	3	3	<10	--	<5	31
JUN								
22...	1350	5	2	6	17	--	--	64
JUL								
20...	1315	<5	2	<1	14	<1.0	<5	49
AUG								
17...	1320	6	3	<1	13	--	<5	39
SEP								
14...	1305	5	3	<1	17	--	9	43

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT											
13...	0920	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB											
02...	0830	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
11...	1330	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
17...	1320	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07258000 ARKANSAS RIVER AT DARDANELLE, AR--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	23.5	23.0	15.0	14.5	11.0	10.5	---	---	6.0	6.0	9.0	8.5
2	24.0	23.5	15.5	15.0	10.5	10.0	---	---	6.0	5.5	9.0	9.0
3	24.0	23.5	15.5	15.0	10.0	9.5	---	---	5.5	5.0	9.5	9.0
4	24.0	23.0	15.0	15.0	9.5	9.5	---	---	5.0	5.0	10.0	9.5
5	23.5	23.0	15.0	15.0	9.5	9.0	5.5	5.5	5.0	5.0	10.0	10.0
6	23.0	23.0	15.0	15.0	9.0	9.0	5.5	5.0	5.0	4.0	10.0	9.5
7	23.0	22.5	15.5	15.0	9.0	9.0	5.5	5.0	4.0	4.0	9.5	9.0
8	22.5	22.0	15.0	15.0	9.5	9.0	5.0	5.0	4.0	4.0	9.0	9.0
9	22.0	22.0	15.0	14.5	9.5	9.0	5.0	5.0	4.0	4.0	9.0	9.0
10	22.0	21.5	14.5	14.5	9.0	9.0	5.0	5.0	4.0	3.5	9.5	9.0
11	21.5	21.0	14.5	14.0	8.5	8.5	5.0	3.0	3.5	3.0	9.5	9.5
12	21.0	21.0	14.0	14.0	8.5	8.0	3.0	2.5	3.0	3.0	10.0	9.5
13	21.0	21.0	14.0	13.5	8.0	7.5	2.5	2.5	3.0	3.0	11.0	10.0
14	21.0	20.5	13.5	13.5	7.5	7.0	2.5	2.0	3.0	3.0	11.0	11.0
15	20.5	20.5	13.5	13.5	7.0	7.0	2.0	1.5	3.5	3.0	11.0	11.0
16	20.5	20.0	13.5	13.0	7.0	7.0	1.5	1.5	4.0	3.5	12.0	11.0
17	20.0	20.0	13.5	13.0	7.0	6.5	2.0	1.5	4.5	4.0	12.5	12.0
18	20.0	20.0	13.0	13.0	6.5	6.0	2.0	1.5	5.0	4.0	13.5	12.5
19	20.0	19.5	13.0	13.0	6.0	5.5	1.5	1.5	6.0	5.0	14.0	13.5
20	19.5	19.0	13.0	12.0	5.0	---	2.0	1.5	6.5	6.0	15.5	14.5
21	19.0	18.5	12.0	11.5	---	---	2.0	2.0	7.0	6.5	15.5	15.5
22	18.5	18.5	11.5	11.0	---	---	2.5	2.0	7.5	7.0	16.0	15.5
23	18.5	18.0	11.0	11.0	---	---	2.5	2.0	8.5	7.5	16.0	15.5
24	18.0	17.5	11.0	11.0	---	---	2.5	2.5	9.0	8.5	15.5	15.5
25	17.5	16.5	11.0	11.0	---	---	2.5	2.5	9.0	9.0	16.0	15.5
26	16.5	16.0	11.0	11.0	---	---	3.5	2.5	9.0	9.0	16.0	15.5
27	16.0	15.0	12.0	11.0	---	---	3.5	3.0	9.0	8.5	15.5	15.0
28	15.0	14.5	12.0	11.5	---	---	3.0	3.0	8.5	8.5	15.0	14.5
29	14.0	14.0	11.5	11.0	---	---	3.0	3.0	---	---	14.5	14.0
30	14.5	14.0	11.0	11.0	---	---	4.0	3.0	---	---	14.0	14.0
31	14.5	14.5	---	---	---	---	6.0	4.0	---	---	15.0	14.0
MONTH	24.0	14.0	15.5	11.0	11.0	5.5	6.0	1.5	9.0	3.0	16.0	8.5

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	15.0	15.0	17.5	17.5	24.5	24.0	27.5	26.5	29.0	29.0	---	---
2	15.0	15.0	19.0	17.5	24.5	24.0	27.5	27.0	29.0	28.5	---	---
3	15.0	15.0	19.0	18.5	24.0	23.5	28.0	27.5	29.0	29.0	---	---
4	15.0	15.0	18.5	18.0	23.5	23.0	28.5	27.5	29.5	29.0	---	---
5	15.5	15.0	18.0	18.0	23.0	22.5	28.5	28.0	30.0	29.5	---	---
6	15.0	15.0	18.5	18.0	22.5	22.0	28.5	28.0	30.0	30.0	---	---
7	15.0	14.5	20.0	18.5	22.5	22.0	28.5	28.5	30.0	30.0	---	---
8	14.5	14.0	20.5	20.0	23.5	22.5	28.0	28.0	30.0	30.0	---	---
9	14.0	14.0	21.0	20.0	24.0	23.0	28.5	27.5	30.0	30.0	---	---
10	14.0	13.5	20.0	19.5	24.5	24.0	28.0	28.0	30.0	30.0	---	---
11	14.0	13.5	20.0	20.0	24.5	24.5	28.5	28.0	30.0	29.5	---	---
12	14.0	13.5	21.0	20.0	24.5	24.0	28.5	28.0	---	---	---	---
13	14.0	14.0	21.5	21.0	24.5	24.0	28.5	28.0	---	---	---	---
14	14.0	14.0	22.0	21.5	24.5	24.0	28.5	28.0	---	---	---	---
15	15.0	14.0	22.0	21.5	24.0	24.0	28.5	28.0	---	---	---	---
16	17.0	14.0	21.5	21.0	24.0	24.0	28.5	28.0	---	---	26.5	26.5
17	17.0	15.0	22.5	21.5	24.0	24.0	28.5	28.0	---	---	27.0	26.5
18	16.5	16.5	23.0	22.0	24.5	24.0	28.5	28.5	---	---	27.0	26.5
19	17.0	16.5	23.0	23.0	25.0	24.5	29.0	28.5	---	---	26.5	26.0
20	17.0	16.5	23.0	22.5	25.0	24.5	29.5	29.0	---	---	26.0	26.0
21	17.0	16.5	23.5	23.0	25.0	24.5	30.0	29.5	---	---	26.0	25.5
22	17.0	16.5	23.5	23.0	25.0	25.0	30.5	30.0	---	---	25.5	24.5
23	17.0	16.5	23.5	23.5	25.5	25.0	30.5	30.0	---	---	25.0	24.5
24	17.0	16.5	24.0	23.5	26.0	25.5	30.0	30.0	---	---	25.0	24.0
25	16.5	16.5	24.0	24.0	25.5	25.5	30.0	30.0	---	---	24.0	23.5
26	17.0	16.5	23.5	23.5	26.0	25.5	30.0	29.5	---	---	23.5	23.0
27	17.0	17.0	24.0	23.5	25.5	25.5	30.0	29.5	---	---	23.5	23.0
28	17.0	17.0	24.0	24.0	25.5	25.0	30.0	29.5	---	---	23.0	23.0
29	17.0	17.0	24.5	24.0	26.0	25.0	30.0	29.5	---	---	23.5	22.5
30	17.5	17.0	24.5	24.5	27.0	26.0	29.5	29.0	---	---	23.0	22.5
31	---	---	---	24.5	---	---	29.0	29.0	---	---	---	---
MONTH	17.5	13.5	24.5	17.5	27.0	22.0	30.5	26.5	30.0	28.5	27.0	22.5

07258500 PETIT JEAN RIVER NEAR BOONEVILLE, AR

LOCATION.--Lat 35°06'25", long 93°55'25", in NW 1/4 NW 1/4 sec.18, T.5 N., R.27 W., Logan County, Hydrologic Unit 11110204, on right bank at downstream side of bridge on State Highway 23, 0.5 mi (0.8 km) downstream from Fletcher Creek, 2.3 mi (3.7 km) south of Booneville, and at mile 102.3 (164.6 km).

DRAINAGE AREA.--241 mi^2 (624 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1938 to current year. Prior to October 1965, published as "Petit Jean Creek near Booneville."

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 423.39 ft (129.049 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years (1939-82), 247 ft^3/s (7.00 m^3/s), 13.92 in/yr (354 mm/yr), 179,000 acre-ft/yr (231 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 43,200 ft^3/s (1,220 m^3/s) Apr. 16, 1939, gage height, 23.42 ft (7.138 m), from rating curve extended above 20,500 ft^3/s (581 m^3/s) on basis of slope-area and contracted-opening measurement of peak flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft^3/s (110 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Oct. 18	1000	12,200	346	20.31	6.190
Jan. 31	1000	*15,000	425	21.00	6.401

No flow at times.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	948	1110	23	1990	486	55	42	298	40	18	1.3
2	.86	843	514	24	1090	397	53	50	170	27	14	1.1
3	.64	456	328	32	1040	317	54	48	137	18	9.1	.78
4	.25	319	232	43	802	345	49	47	534	14	6.5	.56
5	.29	243	176	39	611	292	46	43	298	11	4.6	.42
6	.49	185	153	33	433	270	42	26	181	8.0	3.3	.28
7	.81	146	137	28	345	251	37	25	128	372	3.5	.14
8	.90	120	117	25	433	211	35	26	91	534	109	.14
9	.76	135	97	22	880	178	35	21	69	181	384	.07
10	.86	133	87	20	656	164	33	17	394	89	79	.00
11	.76	106	79	17	471	153	30	15	183	50	30	.00
12	.61	91	72	16	534	146	29	15	280	35	16	.00
13	1.4	80	64	15	590	135	27	705	194	22	11	.00
14	2.7	71	66	15	671	1520	26	1980	117	16	7.4	.00
15	2.3	64	61	10	587	1190	24	653	86	12	5.1	.00
16	4.2	58	54	10	1040	681	24	351	602	9.5	3.7	.00
17	2330	53	49	10	1040	436	36	214	348	7.1	2.7	.00
18	7820	48	43	10	656	325	56	148	190	5.9	2.3	.00
19	817	43	37	9.5	456	272	69	113	124	4.8	1.8	.00
20	390	38	36	18	357	232	71	89	89	3.9	1.5	.14
21	243	35	37	22	292	190	52	96	69	3.3	1.2	.14
22	204	32	42	790	243	157	41	155	53	2.9	1.1	.14
23	240	30	43	767	204	135	35	166	42	2.4	1.1	.14
24	174	30	39	403	172	120	30	148	35	2.3	1.1	.14
25	148	29	34	295	166	106	28	573	28	2.3	.87	.14
26	174	27	33	216	257	91	62	280	30	2.0	.87	.00
27	150	26	32	176	378	83	66	185	25	1.6	.78	.00
28	115	26	29	153	537	75	51	1100	49	14	.97	.00
29	96	24	27	130	---	69	53	558	115	4.3	1.3	.00
30	84	1650	24	2640	---	66	50	290	71	3.1	2.3	.00
31	78	---	24	12200	---	61	---	270	---	22	1.6	---
TOTAL	13081.83	6089	3876	18211.5	16931	9154	1299	8449	5030	1520.4	725.69	5.63
MEAN	422	203	125	587	605	295	43.3	273	168	49.0	23.4	.19
MAX	7820	1650	1110	12200	1990	1520	71	1980	602	534	384	1.3
MIN	.25	24	24	9.5	166	61	24	15	25	1.6	.78	.00
CFSM	1.75	.84	.52	2.44	2.51	1.22	.18	1.13	.70	.20	.10	.001
IN.	2.02	.94	.60	2.81	2.61	1.41	.20	1.30	.78	.23	.11	.00
AC-FT	25950	12080	7690	36120	33580	18160	2580	16760	9980	3020	1440	11

CAL YR 1981 TOTAL 77203.13 MEAN 212 MAX 7820 MIN .25 CFSM .88 IN 11.92 AC-FT 153100
WTR YR 1982 TOTAL 84373.05 MEAN 231 MAX 12200 MIN .00 CFSM .96 IN 13.02 AC-FT 167400

07258500 PETIT JEAN RIVER NEAR BOONEVILLE, AR--CONTINUED

WATER-QUALITY RECORDS

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
06...	0950	9827	9827	.60	7.6	22.0	21.0	7.0	5.1	57	4.7
27...	0945	9827	9827	199	7.0	13.0	11.0	35	9.7	87	2.1
DEC											
01...	1010	9827	9827	1110	7.0	9.0	10.0	--	9.8	87	4.2
FEB											
23...	1310	9827	9827	42	7.0	20.0	10.0	35	10.3	91	--
MAR											
09...	1345	9827	9827	180	7.2	20.0	10.0	20	11.7	104	.5
30...	1340	9827	9827	66	7.2	27.0	18.0	15	10.6	112	.8
APR											
13...	0845	9827	9827	28	7.2	--	--	10	8.6	--	1.5
MAY											
11...	1700	9827	9827	14	7.1	35.0	24.0	--	9.1	107	2.9
JUN											
15...	1745	9827	9827	78	6.9	32.0	26.0	35	7.0	85	2.1
JUL											
13...	1515	9827	9827	21	7.1	41.0	30.0	40	7.7	101	--
AUG											
10...	0800	9827	9827	86	6.5	26.0	24.0	120	5.4	63	--
SEP											
07...	0830	9827	9827	.10	7.0	21.0	21.0	20	4.1	46	.5

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
06...	190	36	10	6.5	78	.11	14	.06	.010	.050	<.010
27...	48	26	8.0	6.5	73	.10	10	.18	.040	.040	.010
DEC											
01...	2700	28	12	6.5	86	.12	43	--	.120	--	.040
FEB											
23...	60	24	17	7.5	70	.10	9	.17	.040	.070	.010
MAR											
09...	48	28	12	7.0	77	.10	6	.19	.060	.040	.010
30...	84	28	14	7.0	69	.09	9	.09	.040	.030	.010
APR											
13...	72	34	16	9.0	76	.10	9	.03	.010	--	<.010
MAY											
11...	32	24	11	7.0	77	.10	14	.04	.020	.030	<.010
JUN											
15...	110	24	18	7.0	102	.14	22	.16	.030	.040	.010
JUL											
13...	150	30	--	11	76	.10	44	.06	.010	.070	--
AUG											
10...	620	24	4.0	3.5	71	.10	83	--	.120	--	.020
SEP											
07...	<4	30	8.0	6.0	75	.10	10	--	.080	.050	.010

07258500 PETIT JEAN RIVER NEAR BOONEVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	0950	<5	<1	<1	<10	--	--	65
27...	0945	<5	<1	3	23	--	<5	--
DEC								
01...	1010	<5	<1	3	25	--	<5	--
FEB								
23...	1310	<5	<1	<1	--	--	<5	--
MAR								
09...	1345	<5	<1	<1	16	--	<5	25
30...	1340	<5	--	<1	10	--	<5	29
APR								
13...	0845	<5	<1	2	17	--	<5	14
MAY								
11...	1700	<5	<1	<1	12	--	<5	6
JUN								
15...	1745	<5	1	<1	30	--	<5	59
JUL								
13...	1515	<5	<1	--	37	<1.0	<5	35
AUG								
10...	0800	24	<1	3	16	--	<5	15
SEP								
07...	0830	<5	<1	<1	20	--	<5	18

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
MAR											
09...	1345	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
11...	1700	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
10...	0800	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR

LOCATION.--Lat 35°06'06", long 93°39'02", in NW 1/4 NW 1/4 sec.15, T.5 N., R.25 W., Yell County, Hydrologic Unit 11110204, at outlet sructure at Blue Mountain Dam on Petit Jean River, 1.9 mi (3.1 km) southwest of Waveland, and at mile 74.4 (119.7 km).

DRAINAGE AREA.--488 mi^2 (1,264 km^2).

PERIOD OF RECORD.--October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT								
13...	1310	80513	.00	68	7.2	19.5	16.0	7.9
13...	1315	80513	10.0	68	7.1	19.0	--	7.9
13...	1320	80513	20.0	69	7.1	19.0	--	7.8
NOV								
19...	1230	80513	.00	59	6.9	13.0	16.0	10.3
19...	1235	80513	10.0	59	7.1	13.0	--	9.8
19...	1240	80513	17.0	59	7.1	13.0	--	9.6

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC									
08...	0825	80513	80513	.00	15	65	7.3	9.0	11.1
08...	0830	80513	80010	3.00	15	65	7.3	9.0	11.1
08...	0835	80513	--	10.0	15	65	7.2	9.0	11.0
08...	0840	80513	80010	12.0	15	65	7.2	9.0	11.0
08...	0845	80513	--	15.0	15	65	7.2	9.0	11.0

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
DEC												
08...	0825	.00	15	--	--	12.0	--	140	--	--	--	--
08...	0830	3.00	15	70	32	--	2.1	--	.00	2.3	6.0	1.8
08...	0840	12.0	15	80	30	--	1.6	--	.00	2.7	7.0	2.1

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC												
08...	0830	1.7	17	8.4	3.9	.23	.070	.30	.37	.60	2.7	.050
08...	0840	2.1	16	8.5	4.3	.24	.090	.23	.32	.56	2.5	.050

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
08...	0830	.020	350	1	10	7	1500	110	<.1	2	50
08...	0840	<.010	380	1	20	8	1600	100	<.1	4	50

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN								
15...	1140	80513	.00	74	7.5	.5	12.0	14.2
15...	1142	80513	10.0	74	7.5	.5	--	14.2
15...	1145	80513	16.0	74	7.5	.5	--	14.2
FEB								
12...	1100	80513	.00	54	6.6	3.0	11.0	11.8
12...	1105	80513	10.0	54	6.6	3.0	--	11.6
12...	1110	80513	20.0	54	6.6	3.0	--	11.6
12...	1115	80513	30.0	54	6.6	3.0	--	11.6
12...	1120	80513	34.0	54	6.6	3.0	--	11.5
MAR								
15...	1200	80513	.00	63	7.0	11.0	18.0	10.6
15...	1210	80513	10.0	64	7.0	11.0	--	10.6
15...	1220	80513	17.0	64	7.0	10.5	--	10.6
APR								
02...	0915	80513	.00	65	7.3	15.0	13.0	9.7
02...	0920	80513	10.0	66	7.3	15.0	--	9.7
02...	0925	80513	15.0	66	7.3	15.0	--	9.6

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY									
17...	1540	80513	80513	.00	30	73	7.0	24.5	8.7
17...	1545	80513	--	1.00	30	72	7.0	22.5	8.4
17...	1550	80513	80010	6.00	30	72	7.0	21.5	7.7
17...	1552	80513	--	10.0	30	72	6.9	21.5	7.6
17...	1554	80513	--	16.0	30	72	6.9	20.5	6.7
17...	1556	80513	--	20.0	30	71	6.6	19.5	6.1
17...	1600	80513	80010	24.0	30	71	6.6	18.5	6.0
17...	1605	80513	--	30.0	30	72	6.6	18.5	5.5

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
MAY												
17...	1540	.00	30	--	--	21.6	--	2	--	--	--	--
17...	1550	6.00	30	45	22	--	1.3	--	1.0	3.1	8.0	2.2
17...	1600	24.0	30	45	24	--	.8	--	2.0	3.7	9.0	2.1

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
MAY										
17...	1550	2.0	16	10	5.4	<.10	.060	.41	.47	.050
17...	1600	1.8	16	10	4.4	<.10	.120	.31	.43	.060

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY											
17...	1550	.010	340	1	20	4	860	80	.3	5	20
17...	1600	.020	--	1	20	12	1400	120	<.1	10	80

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
17...	1547	80513	80010	3.00	30	.040	.010	.12	6.00	.900

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN								
18...	1030	80513	.00	76	7.1	24.5	36.0	7.0
18...	1035	80513	10.0	78	6.7	24.0	--	4.7
18...	1040	80513	20.0	81	6.4	23.0	--	2.8
18...	1045	80513	30.0	81	6.3	22.5	--	2.4
18...	1050	80513	32.0	82	6.3	22.5	--	2.1

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL									
12...	1230	80513	--	.00	82	6.8	29.5	30.0	6.7
12...	1232	80513	--	8.00	85	6.5	28.5	--	4.5
12...	1234	80513	--	10.0	88	6.4	28.0	--	2.3
12...	1236	80513	--	15.0	96	6.3	27.0	--	.2
12...	1238	80513	--	17.0	98	6.3	26.0	--	.1
12...	1240	80513	--	20.0	98	6.4	25.0	--	.0
12...	1242	80513	--	28.0	99	6.3	24.0	--	.0
12...	1245	80513	--	30.0	99	6.3	23.0	--	.0

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
12...	1231	80513	80010	3.00	30	.040	.010	.12	5.00	2.00

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG									
16...	1450	80513	80513	.00	25	84	7.5	31.0	6.9
16...	1455	80513	80010	5.00	25	84	7.4	30.0	6.8
16...	1456	80513	--	8.00	25	84	7.2	29.0	6.5
16...	1458	80513	--	10.0	25	83	7.1	28.0	6.1
16...	1500	80513	80010	20.0	25	84	6.8	27.0	4.8
16...	1505	80513	--	25.0	25	85	6.7	27.0	3.5

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
AUG												
16...	1450	.00	25	--	--	20.4	--	1	--	--	--	--
16...	1455	5.00	25	22	16	--	1.5	--	.00	2.2	6.0	1.9
16...	1500	20.0	25	20	16	--	1.2	--	.00	2.7	7.0	2.4

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
AUG												
16...	1455	2.4	24	8.0	4.6	.10	.040	.26	.30	.40	1.8	.040
16...	1500	2.6	24	9.0	4.9	.11	.060	1.0	1.10	1.2	5.4	.050

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG											
16...	1455	.020	330	2	10	4	970	430	<.1	3	10
16...	1500	.020	300	1	10	5	900	420	<.1	3	100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP									
29...	1100	80513	--	.00	88	7.1	21.0	19.2	8.0
29...	1105	80513	--	3.00	88	7.1	21.0	--	7.8
29...	1110	80513	--	10.0	88	7.1	21.0	--	7.6
29...	1115	80513	--	20.0	88	7.1	21.0	--	7.6
29...	1120	80513	--	26.0	88	7.1	21.0	--	7.6

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP										
29...	1101	80513	80010	3.00	26	.040	<.010	.12	8.50	2.80

07259500 PETIT JEAN RIVER NEAR WAVELAND, AR

LOCATION.--Lat 35°06'06", long 93°39'02", in NW 1/4 NW 1/4 sec.15, T.5 N., R.25 W., Yell County, Hydrologic Unit 11110204, at Blue Mountain Dam, 1.9 mi (3.1 km) southwest of Waveland, and at mile 74.4 (119.7 km).

DRAINAGE AREA.--488 mi^2 (1,264 km^2).

PERIOD OF RECORD.--October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 13...	1240	80513	--	70	7.2	19.5	8.0
NOV 19...	1210	80513	--	59	6.9	13.0	10.2
DEC 08...	0750	80513	80010	65	7.0	9.0	11.7

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC 08...	0750	80	29	1.8	150	15	.00	2.6	6.0	2.0	1.3

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
DEC 08...	0750	17	7.7	4.0	.23	.070	.30	.37	.60	2.7	.050	.030

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC 08...	0750	350	1	0	5	1400	2	100	<.1	2	40

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN 15...	1115	80513	--	74	7.5	1.0	15.0
FEB 12...	1030	80513	--	53	6.6	3.0	13.1
MAR 15...	1130	80513	--	65	7.1	11.0	10.8
APR 02...	0940	80513	--	66	7.2	15.0	10.0
MAY 17...	1510	80513	80010	73	6.6	22.0	8.2

ARKANSAS RIVER BASIN

07259500 PETIT JEAN RIVER NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
MAY 17...	1510	38	21	2.0	16	17	2.0	3.3	8.0	2.2	1.7

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
MAY 17...	1510	15	10	5.8	<.10	.070	1.3	1.40	.060	.020

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 17...	1510	420	1	20	10	1300	6	90	<.1	7	10

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 18...	1000	80513	--	78	6.7	24.0	7.3
JUL 12...	1200	80513	--	87	6.7	28.0	6.0
AUG 16...	1430	80513	80010	86	7.1	29.0	6.8

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
AUG 16...	1430	25	16	1.3	6	15	.00	3.2	8.0	1.7	2.2

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG 16...	1430	24	9.0	4.5	.11	.040	.36	.40	.51	2.3	.050	.020

07259500 PETIT JEAN RIVER NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG 16...	1430	340	2	10	3	1200	1	460	<.1	3	10

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 29...	1030	80513	86	7.2	21.0	8.6

07260500 PETIT JEAN RIVER AT DANVILLE, AR

LOCATION.--Lat 35°03'33", long 93°23'44", in NW 1/4 SE 1/4 sec.25, T.5 N., R.23 W., Yell County, Hydrologic Unit 11110204, on left bank at downstream side of bridge on State Highway 10 at Danville, 0.3 mi (0.5 km) upstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 0.5 mi (0.8 km) upstream from Spring Creek, 0.6 mi (1.0 km) downstream from Dutch Creek, and at mile 48.8 (78.5 km).

DRAINAGE AREA.--764 mi^2 (1,979 km^2).

PERIOD OF RECORD.--June 1916 to current year. Prior to October 1965, published as "Petit Jean Creek at Danville."

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 303.33 ft (92.455 m) National Geodetic Vertical Datum of 1929. June 1, 1916, to Aug. 24, 1934, nonrecording gage on railroad bridge 0.3 mi (0.5 km) downstream at datum 0.25 ft (0.076 m) higher. Aug. 25, 1934, to July 12, 1939, nonrecording gage at present site and datum. Since June 18, 1954, auxiliary water-stage recorder 2.2 mi (3.5 km) downstream.

REMARKS.--Records good. Flow regulated since March 1947 by Blue Mountain Lake, 25.6 mi (41.2 km) upstream, capacity, 257,900 acre-ft (318 hm^3).

AVERAGE DISCHARGE.--66 years, 803 ft^3/s (22.7 m^3/s), 581,800 acre-ft/yr (717 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,800 ft^3/s (2,010 m^3/s) Apr. 17, 1939, gage height, 31.82 ft (9.699 m); no flow at times in 1924, 1934-36, 1943, 1956, 1963, 1965.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,780 ft^3/s (135 m^3/s) Mar. 15, gage height, 20.31 ft (6.190 m); minimum daily, 1.4 ft^3/s (0.04 m^3/s) Aug. 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	722	338	84	3930	1980	225	56	555	403	39	3.5
2	27	758	280	45	1900	2010	521	50	744	426	30	11
3	31	574	1260	52	1180	1850	1120	47	1020	238	25	12
4	22	1120	1420	44	1360	1810	560	42	2500	171	25	10
5	19	1160	1420	51	2010	1770	374	35	1410	154	21	8.0
6	18	1110	1420	78	2330	1430	305	34	474	84	37	6.9
7	8.2	1070	1360	131	2430	1310	264	37	316	61	78	5.8
8	6.0	1040	690	136	2440	1240	218	37	909	286	125	5.7
9	5.5	959	466	136	2760	1160	196	37	974	146	113	5.8
10	5.5	509	294	132	2780	923	182	37	826	467	157	5.9
11	5.5	380	166	81	2870	844	170	37	594	541	186	6.3
12	6.1	234	134	129	3010	803	115	37	927	506	182	6.6
13	6.8	165	128	90	3140	642	98	47	709	341	177	7.4
14	8.7	119	126	71	3110	2210	92	112	646	183	168	7.8
15	8.7	117	159	70	3070	4640	71	116	589	123	169	7.8
16	11	118	194	70	3180	3280	51	182	677	323	162	11
17	202	116	192	63	3900	2120	48	182	422	89	154	10
18	1690	114	185	66	2520	2450	45	798	688	35	93	6.4
19	882	113	128	66	2430	2210	67	923	1070	27	50	5.2
20	1290	108	103	67	2790	1910	76	992	1080	28	19	4.6
21	1430	103	69	52	2880	1780	65	1000	1030	26	18	4.2
22	1400	103	50	419	2780	1650	55	1000	940	25	21	3.9
23	1400	102	48	1220	2920	1580	50	1000	523	25	15	4.7
24	1570	100	85	745	2960	1390	46	1000	223	24	12	5.8
25	1650	100	108	463	2870	1000	46	1020	137	28	12	6.5
26	1660	100	110	1010	2700	745	116	1330	131	29	7.2	6.2
27	1610	95	110	1140	2100	493	94	1320	152	32	4.2	5.9
28	1560	65	107	1430	1950	287	66	1090	641	41	2.4	5.8
29	1520	52	107	1450	---	249	59	978	695	44	2.1	6.4
30	1460	132	104	1560	---	238	63	991	365	52	2.2	6.6
31	896	---	103	3870	---	235	---	932	---	53	1.6	---
TOTAL	20427.0	11558	11464	15021	74300	46239	5458	15499	21967	5011	2107.7	203.7
MEAN	659	385	370	485	2654	1492	182	500	732	162	68.0	6.79
MAX	1690	1160	1420	3870	3930	4640	1120	1330	2500	541	186	12
MIN	5.5	52	48	44	1180	235	45	34	131	24	1.6	3.5
AC-FT	40520	22930	22740	29790	147400	91720	10830	30740	43570	9940	4180	404

CAL YR 1981 TOTAL 231940.0 MEAN 635 MAX 4030 MIN 5.5 AC-FT 460100
WTR YR 1982 TOTAL 229255.4 MEAN 628 MAX 4640 MIN 1.6 AC-FT 454700

07260640 PETIT JEAN RIVER NEAR CENTERVILLE, AR

LOCATION.--Lat 35°04'35", long 93°12'10", in NE 1/4 sec.23, T.5 N., R.21 W., Yell County, Hydrologic Unit 11110204, at bridge on State Highway 7, 3.8 mi (6.1 km) southwest of Centerville.

DRAINAGE AREA.--927 mi^2 (2,401 km^2).

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
13...	1200	9827	9827	11	7.4	23.0	19.0	30	5.0	53	1.8
NOV											
17...	1130	9827	9827	134	6.9	15.0	12.0	40	9.1	84	--
DEC											
15...	1145	9827	9827	160	7.1	8.0	8.0	25	11.0	92	1.5
FEB											
02...	1030	9827	9827	605	6.5	.0	5.0	90	10.4	81	2.4
16...	1430	9827	9827	1410	7.8	16.0	5.0	55	11.8	92	1.2
MAR											
16...	1515	9827	9827	1090	6.9	29.0	14.0	80	8.0	--	2.6
APR											
20...	1320	9827	9827	108	6.7	20.0	17.0	85	7.5	77	2.0
MAY											
11...	1400	9827	9827	2530	6.7	29.0	22.0	--	6.7	76	3.6
JUN											
22...	1420	9827	9827	2180	6.9	29.0	25.0	55	7.0	--	1.9
JUL											
20...	1345	9827	9827	14	6.5	35.0	30.0	80	4.4	58	3.4
AUG											
17...	1345	9827	9827	294	6.9	31.0	29.0	55	--	--	2.1
SEP											
14...	1330	9827	9827	46	7.1	31.0	28.0	30	7.5	95	5.6

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
13...	240	22	5.0	8.0	80	.11	16	.36	.060	.030	.060
NOV											
17...	<4	32	9.0	6.5	71	.10	24	.28	.060	.080	<.010
DEC											
15...	34	28	10	6.5	54	.07	10	.23	.050	.050	<.010
FEB											
02...	68	14	4.0	5.0	78	.11	73	.46	.080	.290	.080
16...	32	16	6.0	6.0	61	.08	38	.36	.070	.120	.020
MAR											
16...	--	16	6.0	3.5	76	.10	49	.26	.080	.160	.060
APR											
20...	--	26	8.0	6.0	77	.10	64	.43	.120	.120	.080
MAY											
11...	64	20	2.0	5.0	69	.09	60	.59	.070	.120	.010
JUN											
22...	80	22	13	5.5	--	--	84	.17	.070	.040	.010
JUL											
20...	48	26	--	--	73	.10	54	.50	.110	--	.030
AUG											
17...	40	--	8.0	6.0	78	.11	61	.31	.060	.090	.020
SEP											
14...	52	32	7.0	14	88	.12	25	.13	.020	.080	.020

07260640 PETIT JEAN RIVER NEAR CENTERVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
13...	1200	<5	--	<1	18	--	<5	--
NOV								
17...	1130	<5	<1	3	11	--	--	<3
DEC								
15...	1145	9	<1	<1	<10	--	<5	10
FEB								
02...	1030	8	<1	<1	--	--	6	40
16...	1430	17	<1	3	--	--	<5	12
MAR								
16...	1515	<5	<1	<1	11	--	<5	25
APR								
20...	1320	11	<1	8	<10	--	<5	14
MAY								
11...	1400	16	<1	<1	<10	--	<5	7
JUN								
22...	1420	<5	<1	3	<10	--	--	8
JUL								
20...	1345	<5	<1	<1	<10	<1.0	<5	6
AUG								
17...	1345	12	<1	<1	<10	--	<5	7
SEP								
14...	1330	<5	<1	<1	<10	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV											
17...	1130	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
16...	1515	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
11...	1400	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
17...	1345	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07260660 ARKANSAS RIVER AT DAM NO. 9, NEAR OPPELO, AR

LOCATION.--Lat 35°07'26", long 92°47'11", in sec.35, T.6 N., R.17 W., Conway County, Hydrologic Unit 11110203, at Lock and Dam No. 9, 2.0 mi (3.2 km) northwest of Oppelo, and at mile 193.0 (310.5 km).

DRAINAGE AREA.--154,949 mi^2 (401,318 km^2), of which 22,241 mi^2 (57,604 km^2) is probably noncontributing.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
13...	1320	9827	9827	1800	8.3	24.0	22.0	7.5	8.0	91	2.2
NOV											
17...	1320	9827	9827	46600	8.0	20.0	15.0	20	10.7	105	--
DEC											
15...	1310	9827	9827	24500	7.9	10.0	9.0	20	11.2	97	1.4
FEB											
02...	1130	9827	9827	132000	7.6	1.0	5.0	140	12.3	96	2.5
16...	1515	9827	9827	48000	7.6	17.0	6.0	60	13.0	104	1.2
MAR											
16...	1600	9827	9827	52500	8.1	27.0	14.0	35	10.8	--	2.4
APR											
20...	1435	9827	9827	21400	8.5	20.0	17.0	10	11.2	115	3.0
MAY											
11...	1500	9827	9827	23400	8.6	30.0	22.0	--	10.4	118	3.8
JUN											
22...	1515	9827	9827	133000	7.7	29.0	25.0	55	8.0	95	1.9
JUL											
20...	1440	9827	9827	38000	7.6	37.0	31.0	25	7.9	105	3.0
AUG											
17...	1500	9827	9827	22400	8.0	32.0	29.0	20	7.1	91	1.5
SEP											
14...	1430	9827	9827	3600	8.4	30.0	28.0	15	11.0	139	3.9

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
13...	<4	158	56	170	471	.64	14	.01	.020	.050	<.010
NOV											
17...	<4	144	58	160	423	.58	23	.26	.030	.100	.030
DEC											
15...	4	126	52	--	428	.58	18	.39	.070	.070	.010
FEB											
02...	170	76	29	110	270	.37	132	.40	.080	.360	.030
16...	8	78	20	33	168	.23	46	.55	.120	.150	.020
MAR											
16...	280	122	46	120	362	.49	32	.35	.100	.110	.010
APR											
20...	<10	148	56	140	394	.54	20	.20	.010	.060	<.010
MAY											
11...	<4	128	38	110	359	.49	12	.02	.020	.050	<.010
JUN											
22...	52	122	46	80	317	.43	49	.63	.050	.090	.010
JUL											
20...	12	136	--	--	341	.46	20	.40	.080	--	.030
AUG											
17...	4	--	57	130	412	.56	19	.27	.070	.020	.030
SEP											
14...	<4	164	56	130	431	.59	12	.06	.030	.070	.030

07260660 ARKANSAS RIVER AT DAM NO. 9, NEAR OPPELO, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
13...	1320	8	--	5	18	--	<5	--
NOV								
17...	1320	5	<1	10	14	--	--	18
DEC								
15...	1310	23	4	7	17	--	8	57
FEB								
02...	1130	10	4	4	--	--	<5	99
16...	1515	6	7	1	--	--	<5	94
MAR								
16...	1600	<5	1	<1	13	--	11	45
APR								
20...	1435	<5	<1	<1	12	--	<5	25
MAY								
11...	1500	<5	1	<1	19	--	<5	28
JUN								
22...	1515	5	3	5	28	--	--	64
JUL								
20...	1440	<5	2	<1	20	<1.0	<5	59
AUG								
17...	1500	5	2	1	<10	--	<5	25
SEP								
14...	1430	<5	2	<1	19	--	<5	24

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
MAR											
16...	1600	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
11...	1500	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
17...	1500	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07261000 CADRON CREEK NEAR GUY, AR

LOCATION.--Lat 35°17'56", long 92°24'10", in NW 1/4 SE 1/4 sec.29, T.8 N., R.13 W., Faulkner County, Hydrologic Unit 11110205, on left bank on downstream side of bridge on U.S. Highway 65, 4.3 mi (6.9 km) southwest of Guy, 10.5 mi (16.9 km) upstream from Cove Creek, and at mile 48.3 (77.7 km).

DRAINAGE AREA.--169 mi^2 (438 km^2).

PERIOD OF RECORD.--October 1954 to current year. Prior to October 1965, published as "North Fork Cadron Creek near Guy."

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 371.68 ft (113.288 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--28 years, 284 ft^3/s (8.04 m^3/s), 22.82 in/yr (580 mm/yr), 205,800 acre-ft/yr (254 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,600 ft^3/s (527 m^3/s) Aug. 14, 1957, gage height, 24.95 ft (7.605 m), from rating curve extended above 14,000 ft^3/s (396 m^3/s); no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,780 ft^3/s (249 m^3/s) Jan. 31 at 1400 hours, gage height, 16.65 ft (5.075 m), no other peak above base of 4,000 ft $^3/s$ (110 m^3/s); no flow Oct. 11-12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.70	15	219	34	2060	208	93	239	56	687	12	2.6
2	.60	15	124	39	1200	190	373	210	50	173	8.9	2.6
3	.50	19	90	192	1050	183	1420	179	73	120	7.9	2.5
4	.40	27	72	358	894	222	750	150	214	94	7.7	4.0
5	.30	28	60	270	697	254	551	127	216	75	6.6	8.5
6	.20	24	53	204	555	247	401	112	146	63	8.8	5.2
7	.10	21	49	157	454	268	317	138	111	52	8.0	3.6
8	.10	20	45	122	460	251	417	160	88	46	6.3	2.9
9	.10	15	42	105	921	232	667	116	71	42	5.8	2.3
10	.10	15	38	93	703	215	501	96	79	37	5.0	2.1
11	.00	14	36	69	552	199	394	85	86	34	8.0	2.5
12	.00	13	34	75	473	192	316	74	73	31	6.8	3.0
13	.20	14	33	70	417	181	272	67	72	30	7.4	2.8
14	.80	14	32	71	375	264	231	64	72	26	12	2.9
15	.80	14	32	63	357	800	199	90	60	22	27	3.1
16	.70	14	31	64	625	652	187	120	1760	19	24	8.0
17	17	13	30	68	851	486	198	170	858	16	17	2.6
18	38	12	28	53	649	375	167	110	482	13	19	21
19	36	13	27	51	503	316	294	80	308	12	14	14
20	21	13	26	61	418	276	401	75	220	11	11	9.8
21	13	12	25	101	355	229	291	85	166	9.5	9.1	6.9
22	9.9	12	27	531	301	188	233	90	140	12	8.1	4.7
23	9.4	12	34	2550	265	166	197	80	110	24	6.6	3.8
24	8.2	11	50	1010	237	152	176	70	95	21	5.1	3.2
25	7.4	10	46	663	210	138	166	85	108	14	4.0	2.7
26	8.6	10	42	451	197	123	245	85	98	12	3.6	2.2
27	20	10	41	343	199	112	300	80	95	11	3.9	2.0
28	30	10	41	280	217	105	242	65	189	11	3.7	1.9
29	27	10	39	255	---	99	223	65	235	8.8	3.2	1.6
30	22	26	37	832	---	96	291	60	169	8.1	3.1	1.3
31	18	---	35	6600	---	95	---	60	---	19	2.7	---
TOTAL	291.10	456	1518	15835	16195	7514	10513	3287	6500	1753.4	276.3	136.3
MEAN	9.39	15.2	49.0	511	578	242	350	106	217	56.6	8.91	4.54
MAX	38	28	219	6600	2060	800	1420	239	1760	687	27	21
MIN	.00	10	25	34	197	95	93	60	50	8.1	2.7	1.3
CFSM	.06	.09	.29	3.02	3.42	1.43	2.07	.63	1.28	.34	.05	.03
IN.	.06	.10	.33	3.49	3.56	1.65	2.31	.72	1.43	.39	.06	.03
AC-FT	577	904	3010	31410	32120	14900	20850	6520	12890	3480	548	270

CAL YR 1981 TOTAL 49356.10 MEAN 135 MAX 1410 MIN .00 CFSM .80 IN 10.86 AC-FT 97900
WTR YR 1982 TOTAL 64275.10 MEAN 176 MAX 6600 MIN .00 CFSM 1.04 IN 14.15 AC-FT 127500

07261250 CADRON CREEK WEST OF CONWAY, AR

LOCATION.--Lat 35°06'51", long 92°31'30", in SW 1/4 NW 1/4 sec.32, T.6 N., R.14 W., Faulkner County, Hydrologic Unit 11110205, 120 ft (37 m) upstream from bridge on U.S. Highway 64 at county line near Conway.

DRAINAGE AREA.--752 mi^2 (1,948 km^2).

PERIOD OF RECORD.--October 1968 to September 1973, February 1974 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT 27...	1500	9827	9827	548	6.7	20.0	16.0	50	5.3	53	2.9
DEC 01...	1400	9827	9827	670	6.9	8.0	10.0	20	9.2	81	2.4
JAN 26...	1415	9827	9827	--	6.4	3.0	5.0	45	11.3	88	2.2
FEB 16...	0730	9827	9827	--	6.5	10.0	7.0	25	11.0	90	1.7
MAR 16...	1740	9827	9827	2930	7.0	25.0	15.0	40	9.2	--	3.1
APR 20...	1610	9827	9827	--	6.4	21.0	18.0	35	7.5	75	2.5
MAY 11...	1630	9827	9827	450	6.4	29.0	23.0	--	7.6	86	3.1
JUN 22...	1200	9827	9827	--	6.3	30.0	29.0	25	5.8	74	4.5
JUL 20...	1610	9827	9827	--	6.6	37.0	36.0	25	9.7	139	5.4
AUG 17...	1620	9827	9827	--	7.1	32.0	30.0	25	8.1	107	5.3
SEP 14...	1545	9827	9827	.00	7.7	32.0	30.0	15	10.6	139	6.6

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 27...	68	18	7.0	6.0	72	.10	28	.30	.150	.100	<.010
DEC 01...	110	20	3.0	7.5	47	.06	28	.23	.060	.070	.010
JAN 26...	80	14	5.0	5.5	46	.06	32	.98	.050	.110	.020
FEB 16...	34	14	1.0	5.5	38	.05	14	1.0	.080	.060	.010
MAR 16...	2200	34	4.0	4.5	55	.07	26	.47	.070	.080	.020
APR 20...	780	12	6.0	4.5	55	.07	28	.36	.120	.070	.010
MAY 11...	32	18	4.0	5.0	56	.08	22	.31	.050	.070	.010
JUN 22...	48	10	6.0	5.5	59	.08	27	.24	.150	.100	.020
JUL 20...	8	26	--	--	57	.08	12	.03	.010	--	.010
AUG 17...	36	--	4.0	6.0	57	.08	19	.02	.200	.010	.010
SEP 14...	<4	32	3.0	7.5	68	.09	14	.01	.030	.050	.010

07261250 CADRON CREEK WEST OF CONWAY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT 27...	1500	5	<1	5	<10	--	<5	3
DEC 01...	1400	<5	<1	1	<10	--	<5	8
JAN 26...	1415	<5	<1	4	<10	--	<5	11
FEB 16...	0730	15	<1	1	--	--	<5	57
MAR 16...	1740	<5	<1	<1	<10	--	<5	18
APR 20...	1610	7	<1	2	<10	--	<5	8
MAY 11...	1630	<5	<1	3	<10	--	<5	4
JUN 22...	1200	5	<1	8	<10	--	--	9
JUL 20...	1610	<5	<1	3	<10	<1.0	<5	10
AUG 17...	1620	<5	<1	1	<10	--	<5	<3
SEP 14...	1545	5	<1	1	13	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
MAR 16...	1740	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN 22...	1200	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP 14...	1545	.00	.00	.00	.00	.00	.00	.00	.01	0	.00

07261260 ARKANSAS RIVER AT TOAD SUCK FERRY DAM, NEAR CONWAY, AR

LOCATION.--Lat 35°04'30", long 92°32'06", in sec.18, T.5 N., R.14 W., Faulkner County, Hydrologic Unit 11110203, at Toad Suck Ferry Dam, 6.0 mi (9.7 km) west of Conway, and at mile 172.0 (276.7 km).

DRAINAGE AREA.--156,386 mi^2 (405,040 km^2), of which 22,421 mi^2 (57,604 km^2) is probably noncontributing.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT 13...	1430	9827	9827	1700	8.1	25.0	22.0	7.2	8.0	91	2.1
NOV 17...	1430	9827	9827	42800	7.9	21.0	15.0	25	11.2	110	--
DEC 15...	1410	9827	9827	24400	7.9	8.0	8.0	25	11.3	95	1.4
FEB 02...	1230	9827	9827	--	7.4	1.0	4.0	120	12.0	92	2.6
16...	1615	9827	9827	56200	7.5	17.0	6.0	65	13.1	105	1.2
MAR 16...	1510	9827	9827	56200	8.0	25.0	14.0	35	10.8	--	2.2
APR 20...	1530	9827	9827	24400	8.3	20.0	17.0	20	10.9	112	2.5
MAY 11...	1600	9827	9827	24400	8.4	29.0	23.0	--	9.8	113	3.0
JUN 22...	1615	9827	9827	--	7.6	37.0	25.0	55	8.5	101	2.1
JUL 20...	1540	9827	9827	31800	7.5	37.0	32.0	25	8.4	67	2.4
AUG 17...	1600	9827	9827	24400	8.0	32.0	29.0	20	8.3	106	2.5
SEP 14...	1520	9827	9827	4400	8.2	32.0	28.0	15	9.2	116	2.5

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 13...	<4	158	55	140	472	.64	14	.01	.020	.060	<.010
NOV 17...	<4	142	57	160	412	.56	24	.28	.030	.100	.040
DEC 15...	8	126	51	160	417	.57	28	.39	.070	.080	.010
FEB 02...	300	64	23	100	231	.31	135	.47	.080	.320	.030
16...	28	74	18	33	163	.22	55	.62	.120	.150	.020
MAR 16...	370	102	40	110	319	.43	38	.40	.100	.110	.010
APR 20...	70	134	49	130	356	.48	27	.28	.010	.070	.010
MAY 11...	32	128	36	110	346	.47	22	.04	.020	.060	<.010
JUN 22...	130	116	44	78	305	.41	54	.60	.060	.090	.010
JUL 20...	28	136	--	--	338	.46	20	.40	.070	--	.010
AUG 17...	26	--	54	120	398	.54	20	.29	.040	.010	.010
SEP 14...	10	168	57	130	441	.60	8	.05	.040	.050	.030

07261260 ARKANSAS RIVER AT TOAD SUCK FERRY DAM, NEAR CONWAY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
13...	1430	6	--	3	19	--	12	--
NOV								
17...	1430	7	1	9	18	--	--	31
DEC								
15...	1410	10	13	6	13	--	9	60
FEB								
02...	1230	14	3	6	--	--	<5	68
16...	1615	8	4	2	--	--	<5	84
MAR								
16...	1510	<5	2	<1	15	--	15	52
APR								
20...	1530	8	1	<1	23	--	5	37
MAY								
11...	1600	<5	1	<1	17	--	<5	33
JUN								
22...	1615	10	3	7	24	--	--	80
JUL								
20...	1540	<5	2	<1	24	<1.0	<5	64
AUG								
17...	1600	5	2	4	16	--	<5	38
SEP								
14...	1520	<5	2	<1	16	--	6	19

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
15...	1410	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
16...	1510	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
22...	1615	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
14...	1520	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, AR

LOCATION.--Lat 34°52'21", long 93°39'24", in NW 1/4 NW 1/4 sec.34, T.3 N., R.25 W., Yell County, Hydrologic Unit 11110206, near left bank on downstream side of bridge on State Highway 28, 1.2 mi (1.9 km) downstream from Garner Creek, 1.9 mi (3.1 km) east of Gravelly, 6.4 mi (10.3 km) upstream from Gaffords Creek, and at mile 103.7 (166.9 km).

DRAINAGE AREA.--410 mi^2 (1,062 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1939 to current year.

REVISED RECORDS.--WSP 1007: 1939. WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 410.50 ft (125.120 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to May 11, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years, 523 ft^3/s (14.8 m^3/s), 17.32 in/yr (440 mm/yr), 378,900 acre-ft/yr (467 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 69,400 ft^3/s (1,970 m^3/s) May 20, 1960, and July 26, 1969, gage height, 30.30 ft (9.235 m); no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 10,000 ft^3/s (280 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 31	1500	*27,200	770	24.55	7.483
Mar. 14	2000	17,200	487	19.82	6.041

Minimum discharge, 0.25 ft^3/s (0.007 m^3/s) Sept. 30, gage height, 0.56 ft (0.171 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	224	438	54	3650	1190	174	187	1070	78	198	9.5
2	22	1490	543	56	2150	1220	1100	174	755	68	127	8.0
3	22	910	385	65	1790	1000	3730	163	557	59	94	7.0
4	22	641	304	78	1540	1660	1630	148	1870	51	79	5.5
5	22	506	250	91	1270	1500	1080	136	1750	44	78	5.0
6	20	410	217	102	1050	1190	796	123	981	37	71	4.5
7	19	337	193	104	867	1050	614	125	667	34	79	3.5
8	18	288	178	102	796	910	519	120	492	36	99	3.0
9	18	250	161	100	1150	796	457	113	379	68	104	3.0
10	17	219	146	85	1230	691	394	100	349	55	92	2.5
11	17	196	136	75	1020	614	340	91	296	48	70	2.0
12	16	174	125	65	932	557	299	86	656	40	59	2.0
13	16	155	116	60	1000	502	267	1100	936	30	51	1.5
14	18	143	109	55	1100	9910	237	4770	564	25	105	1.5
15	42	131	104	50	1150	6160	215	3390	404	23	78	1.8
16	221	120	97	45	2410	2290	196	2000	1050	21	52	1.8
17	469	111	91	40	4020	1490	509	1120	1360	18	38	1.5
18	2160	102	84	40	2050	1130	648	776	751	16	29	1.2
19	1180	94	79	40	1400	905	910	589	512	14	24	1.0
20	671	86	76	40	1050	763	808	466	391	13	19	.89
21	473	79	75	79	863	641	574	398	312	11	17	.67
22	370	75	75	187	714	536	444	553	261	8.6	16	.58
23	318	72	75	1770	603	460	364	633	219	9.1	15	.48
24	285	68	71	1280	516	404	307	972	182	9.5	13	.45
25	253	64	67	871	466	358	280	1360	155	8.2	11	.43
26	291	61	65	660	506	315	376	846	140	8.2	9.0	.35
27	299	58	62	522	553	278	349	607	123	10	7.0	.33
28	258	54	62	444	656	242	264	529	116	12	8.5	.30
29	222	52	59	388	---	219	232	1050	99	27	10	.28
30	193	78	56	880	---	200	210	1110	86	95	15	.25
31	176	---	55	17800	---	187	---	792	---	355	10	---
TOTAL	8153	7248	4554	26228	36502	39368	18323	24627	17483	1331.6	1677.5	70.81
MEAN	263	242	147	846	1304	1270	611	794	583	43.0	54.1	2.36
MAX	2160	1490	543	17800	4020	9910	3730	4770	1870	355	198	9.5
MIN	16	52	55	40	466	187	174	86	86	8.2	7.0	.25
CFSM	.64	.59	.36	2.06	3.18	3.10	1.49	1.94	1.42	.11	.13	.006
IN.	.74	.66	.41	2.38	3.31	3.57	1.66	2.23	1.59	.12	.15	.01
AC-FT	16170	14380	9030	52020	72400	78090	36340	48850	34680	2640	3330	140

CAL YR 1981	TOTAL	163494.00	MEAN 448	MAX 9160	MIN 16	CFSM 1.09	IN 14.83	AC-FT	324300		
WTR YR 1982	TOTAL	185565.91	MEAN 508	MAX 17800	MIN .25	CFSM 1.24	IN 16.84	AC-FT	368100		

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, AR--CONTINUED

WATER-QUALITY RECORDS

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

COOPERATION.-Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
13...	1115	9827	9827	16	7.2	22.0	20.0	4.8	7.1	77	1.2
NOV											
17...	1040	9827	9827	111	6.9	12.0	12.0	15	10.4	96	--
DEC											
15...	1100	9827	9827	105	7.0	6.0	8.0	15	11.9	100	.5
FEB											
02...	0945	9827	9827	2200	6.6	-3.0	4.0	30	12.1	92	.9
16...	1330	9827	9827	1740	6.8	16.0	9.0	40	10.9	94	1.4
MAR											
16...	1400	9827	9827	2110	6.6	27.0	15.0	30	9.7	--	1.2
APR											
13...	1030	9827	9827	267	7.1	--	--	10	9.9	--	1.4
MAY											
11...	1515	9827	9827	89	7.1	42.0	25.0	--	9.5	113	1.9
JUN											
15...	1600	9827	9827	379	--	38.0	27.0	--	--	--	--
JUL											
13...	1400	9827	9827	30	7.0	35.0	32.0	5.0	8.4	67	--
AUG											
10...	0925	9827	9827	95	6.7	34.0	27.0	20	6.9	85	.9
SEP											
07...	1545	9827	9827	35	7.2	31.0	29.0	4.0	8.4	108	1.9

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
13...	16	18	1.0	4.5	38	.05	3	.03	.040	<.010	<.010
NOV											
17...	<4	20	4.0	4.5	42	.06	4	.03	.010	.020	.020
DEC											
15...	16	18	5.0	5.0	37	.05	7	.02	.070	.010	.010
FEB											
02...	300	14	<1.0	5.0	47	.06	16	.30	.040	.090	.020
16...	210	14	3.0	6.0	35	.05	33	.25	.040	.100	.010
MAR											
16...	170	--	5.0	--	50	.07	15	.15	.050	.040	.020
APR											
13...	16	20	5.0	45	43	.06	2	.06	.020	--	<.010
MAY											
11...	24	16	4.0	2.5	43	.06	3	.05	.030	.010	<.010
JUN											
15...	24	--	--	--	--	--	--	--	--	--	--
JUL											
13...	26	20	--	7.5	41	.06	5	.04	.010	.010	--
AUG											
10...	72	20	1.0	4.0	47	.06	8	--	.040	--	.010
SEP											
07...	<4	12	4.0	5.0	39	.05	2	--	.040	.020	<.010

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
13...	1115	<5	--	<1	13	--	<5	--
NOV								
17...	1040	<5	<1	1	17	--	--	31
DEC								
15...	1100	<5	4	<1	11	--	<5	39
FEB								
02...	0945	8	4	<1	--	--	9	90
16...	1330	<5	7	1	--	--	<5	87
MAR								
16...	1400	<5	2	<1	12	--	<5	54
APR								
13...	1030	<5	<1	2	11	--	<5	16
MAY								
11...	1515	11	<1	5	<10	--	<5	7
JUL								
13...	1400	<5	<1	--	28	<1.0	<5	27
AUG								
10...	0925	<5	<1	1	13	--	<5	19

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT											
13...	1115	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB											
02...	0945	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07262000 NIMROD LAKE NEAR NIMROD, AR

LOCATION.--Lat 34°57'07", long 93°09'38", in NW 1/4 SW 1/4 sec.32, T.4 N., R.20 W., Perry County, Hydrologic Unit 11110206, at Nimrod Dam on Fourche LaFave River, 4.8 mi (7.7 km) west of Nimrod, 10.2 mi (16.4 km) upstream from South Fourche LaFave River, and at mile 62.6 (100.7 km).

DRAINAGE AREA.--680 mi^2 (1,760 km^2).

PERIOD OF RECORD.--October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT								
13...	1100	80513	.00	40	7.1	20.5	26.0	5.6
13...	1105	80513	10.0	40	6.9	20.0	--	5.6
13...	1110	80513	20.0	40	6.9	20.0	--	5.6
13...	1115	80513	30.0	40	6.8	20.0	--	5.5
13...	1120	80513	35.0	41	6.8	20.0	--	4.9
NOV								
19...	1050	80513	.00	38	6.7	14.5	18.0	9.2
19...	1055	80513	10.0	38	6.7	14.5	--	9.1
19...	1100	80513	20.0	38	6.7	14.5	--	9.0
19...	1105	80513	30.0	39	6.7	14.5	--	9.0
19...	1110	80513	33.0	40	6.6	14.0	--	8.8

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC									
07...	1015	80513	80513	.00	37	38	7.2	9.5	10.8
07...	1020	80513	80010	7.50	37	38	7.2	9.5	10.9
07...	1025	80513	--	10.0	37	38	7.2	9.5	10.9
07...	1030	80513	--	20.0	37	38	7.2	9.5	10.9
07...	1035	80513	80010	30.0	37	38	7.2	9.0	10.6
07...	1040	80513	--	37.0	37	38	7.1	9.0	10.5

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
DEC												
07...	1015	.00	37	--	--	42.0	--	0	--	--	--	--
07...	1020	7.50	37	4	3.7	--	2.0	--	.00	1.6	4.0	1.1
07...	1035	30.0	37	15	5.6	--	1.2	--	.00	1.7	4.0	1.2

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC												
07...	1020	1.8	12	3.0	2.5	.04	.030	.21	.24	.28	1.2	.030
07...	1035	1.2	13	3.7	2.4	.06	.070	.09	.16	.22	.97	.020

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
07...	1020	<.010	100	1	0	5	400	60	<.1	2	40
07...	1035	<.010	60	1	<0	5	380	50	<.1	1	40

07262000 NIMROD LAKE NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN								
15...	1300	80513	.00	44	7.3	2.0	3.6	14.0
15...	1303	80513	10.0	44	7.4	2.0	--	14.2
15...	1306	80513	20.0	44	7.4	2.5	--	14.2
15...	1309	80513	30.0	44	7.4	2.5	--	14.2
15...	1310	80513	34.0	44	7.4	2.5	--	14.2
FEB								
16...	1000	80513	.00	36	7.3	5.5	14.0	11.6
16...	1005	80513	10.0	36	7.3	5.5	--	11.7
16...	1010	80513	20.0	36	7.3	5.0	--	12.0
16...	1015	80513	30.0	36	7.3	5.0	--	12.0
16...	1020	80513	34.0	36	7.2	5.0	--	11.9
MAR								
15...	1030	80513	.00	37	6.8	11.5	14.4	10.5
15...	1035	80513	10.0	38	6.7	11.0	--	10.4
15...	1040	80513	20.0	38	6.7	11.0	--	10.4
15...	1045	80513	30.0	38	6.7	11.0	--	10.4
15...	1050	80513	40.0	38	6.7	11.0	--	10.4
15...	1055	80513	50.0	38	6.7	11.0	--	10.4
15...	1100	80513	60.0	38	6.7	11.0	--	10.3
15...	1105	80513	68.0	36	6.6	11.0	--	10.3
APR								
02...	1140	80513	.00	33	6.5	15.0	8.0	8.4
02...	1145	80513	10.0	34	6.4	14.5	--	8.2
02...	1150	80513	20.0	34	6.4	14.0	--	8.1
02...	1155	80513	27.0	34	6.4	14.0	--	8.1

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY									
17...	1005	80513	80513	.00	40	38	6.4	22.5	7.3
17...	1010	80513	80010	8.00	40	38	6.3	22.0	6.6
17...	1012	80513	--	10.0	40	38	6.3	22.0	6.5
17...	1014	80513	--	20.0	40	39	6.0	21.0	5.6
17...	1016	80513	--	30.0	40	39	6.0	20.5	5.1
17...	1020	80513	80010	32.0	40	38	5.9	20.5	5.1
17...	1025	80513	--	40.0	40	37	5.9	19.5	4.6

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
MAY												
17...	1005	.00	40	--	--	24.0	--	7	--	--	--	--
17...	1010	8.00	40	25	13	--	1.2	--	.00	2.0	5.0	1.6
17...	1020	32.0	40	33	20	--	1.4	--	.00	1.6	4.0	1.5

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
MAY										
17...	1010	1.2	13	5.0	2.4	<.10	.070	.37	.44	.040
17...	1020	<.1	10	4.0	2.3	<.10	.080	.49	.57	.050

07262000 NIMROD LAKE NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAY											
17...	1010	<.010	360	1	20	4	880	80	<.1	5	60
17...	1020	<.010	380	1	20	4	1000	120	<.1	6	60

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY										
17...	1006	80513	80010	3.00	40	.030	<.010	.09	3.10	1.60
17...	1016	80513	--	30.0	40	--	--	--	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUN								
18...	0900	80513	.00	38	6.7	25.5	25.2	6.6
18...	0905	80513	10.0	39	6.3	25.5	--	4.6
18...	0910	80513	15.0	40	6.1	24.5	--	3.0
18...	0915	80513	20.0	41	6.0	24.0	--	2.6
18...	0920	80513	29.0	44	5.9	23.5	--	1.3

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUL									
12...	1030	80513	--	.00	37	7.6	31.0	38.4	6.8
12...	1032	80513	--	9.00	38	6.2	30.0	--	3.4
12...	1034	80513	--	10.0	38	6.1	29.5	--	2.9
12...	1036	80513	--	12.0	40	5.9	28.5	--	2.7
12...	1038	80513	--	14.0	42	5.9	24.5	--	2.5
12...	1040	80513	--	18.0	52	6.1	26.5	--	2.3
12...	1042	80513	--	20.0	54	6.1	25.5	--	2.0
12...	1044	80513	--	30.0	58	6.1	25.0	--	1.0
12...	1045	80513	--	38.0	60	6.5	24.0	--	.5

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUL										
12...	1031	80513	80010	3.00	38	.040	.020	.12	15.0	<.100

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
AUG									
16...	1030	80513	80513	.00	36	43	6.8	28.5	5.4
16...	1035	80513	80010	7.00	36	43	6.7	28.0	4.9
16...	1036	80513	--	10.0	36	43	6.6	27.5	4.8
16...	1038	80513	--	20.0	36	43	6.5	27.5	4.4
16...	1040	80513	80010	29.0	36	44	6.3	27.5	3.4
16...	1042	80513	--	30.0	36	44	6.2	27.5	3.3
16...	1044	80513	--	33.0	36	60	6.3	26.5	.1
16...	1046	80513	--	34.0	36	90	6.4	25.5	.1
16...	1050	80513	--	36.0	36	102	6.5	24.5	.1

07262000 NIMROD LAKE NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
AUG												
16...	1030	.00	36	--	--	30.0	--	0	--	--	--	--
16...	1035	7.00	36	18	10	--	1.6	--	.00	.3	.8	.1
16...	1040	29.0	36	23	5.4	--	1.0	--	.00	.6	2.0	.4

DATE	TIME	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
AUG										
16...	1035	1.4	15	3.0	2.8	<.10	.090	1.4	1.50	.040
16...	1040	1.3	14	3.0	2.6	<.10	.030	.27	.30	.040

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG											
16...	1035	.020	200	1	10	6	590	160	<.1	3	40
16...	1040	.010	180	--	10	4	610	230	<.1	2	30

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP									
29...	0910	80513	--	.00	43	6.6	22.5	28.8	6.4
29...	0915	80513	--	3.00	43	6.6	22.5	--	6.3
29...	0920	80513	--	10.0	43	6.6	22.0	--	6.3
29...	0925	80513	--	20.0	43	6.6	22.0	--	6.3
29...	0930	80513	--	30.0	43	6.6	22.0	--	6.2
29...	0935	80513	--	35.0	43	6.6	22.0	--	6.2

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP										
29...	0911	80513	80010	3.00	35	.030	<.010	.09	3.70	2.00

07262500 FOURCHE LAFAVE RIVER NEAR NIMROD, AR

LOCATION.--Lat 34°57'02", long 93°09'16", in NW 1/4 SW 1/4 sec.32, T.4 N., R.20 W., Perry County, Hydrologic Unit 11110206, on left bank 2,000 ft (610 m) downstream from Nimrod Dam, 4.5 mi (7.2 km) southwest of Nimrod, 9.8 mi (15.8 km) upstream from South Fourche LaFave River, and at mile 62.2 (100.1 km).

DRAINAGE AREA.--684 mi^2 (1,772 km^2).

PERIOD OF RECORD.--October 1957 to September 1960, October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 13...	1030	80513	--	42	7.4	19.5	7.6
NOV 19...	1025	80513	--	38	6.7	14.0	10.0
DEC 07...	0930	80513	80010	41	7.1	9.5	11.4

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC 07...	0930	5	3.7	1.9	0	9	.00	1.6	4.0	1.1	1.2

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
DEC 07...	0930	12	3.0	2.3	.07	.060	.11	.17	.24	1.1	.030	<.010

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC 07...	0930	80	1	<0	5	390	1	60	<.1	2	40

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN 15...	1330	80513	--	44	7.3	2.5	15.0
FEB 16...	0940	80513	--	35	7.3	5.0	12.4
MAR 15...	1010	80513	--	38	6.7	11.5	9.9
APR 02...	1100	80513	--	33	6.6	14.5	9.6
MAY 17...	0930	80513	80010	41	6.3	21.5	8.2

07262500 FOURCHE LAFAVE RIVER NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
MAY 17...	0930	45	17	1.1	33	11	.00	2.0	5.0	1.5	1.3

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
MAY 17...	0930	11	4.0	2.3	<.10	.090	.34	.43	.040	.020

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
MAY 17...	0930	300	1	20	3	860	5	100	<.1	5	<10

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 18...	0840	80513	--	41	6.5	24.0	7.6
JUL 12...	1000	80513	--	52	6.4	24.5	6.4
AUG 16...	1000	80513	80010	46	6.6	27.5	7.2

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
AUG 16...	1000	16	11	1.3	K26	3	.00	.8	2.0	.3	1.9

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG 16...	1000	15	3.0	2.9	<.10	.080	.32	.40	.040	.020

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
AUG 16...	1000	220	1	10	3	780	1	240	<.1	3	70

07262500 FOURCHE LAFAVE RIVER NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 29...	0830	80513	43	6.6	20.0	7.5

07263000 SOUTH FOURCHE LAFAVE RIVER NEAR HOLLIS, AR

LOCATION.--Lat 34°54'41", long 93°03'21", in SE 1/4 NE 1/4 sec.18, T.3 N., R.19 W., Perry County, Hydrologic Unit 11110206, on left bank 0.8 mi (1.3 km) upstream from Big Cove Creek, 2.1 mi (3.4 km) downstream from Cedar Creek, 4.0 mi (6.4 km) northeast of Hollis, and at mile 5.6 (9.0 km).

DRAINAGE AREA.--210 mi^2 (544 km^2).

PERIOD OF RECORD.--May 1941 to current year.

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 366.10 ft (111.587 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark).

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years, 288 ft^3/s (8.16 m^3/s), 18.62 in/yr (473 mm/yr), 208,700 acre-ft/yr (257 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,400 ft^3/s (1,540 m^3/s) Mar. 30, 1945, gage height, 19.47 ft (5.934 m), from rating curve extended above 35,000 ft^3/s (991 m^3/s) on basis of slope-area measurement of peak flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 9,000 ft^3/s (260 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 30	2215	9,310	264	10.08	3.072
Mar. 14	1430	*12,500	354	11.17	3.405
Apr. 2	1845	10,400	295	10.48	3.194

Minimum discharge, 1.2 ft^3/s (0.034 m^3/s), Sept. 30, gage height, 1.48 ft (0.451 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	51	118	13	2000	724	64	144	50	176	98	4.7
2	3.8	118	106	23	878	686	2710	122	49	127	65	15
3	3.6	118	65	187	633	496	3720	99	47	75	66	6.6
4	3.3	79	49	272	536	1470	1140	82	179	59	44	4.7
5	3.0	65	41	193	420	956	604	72	238	47	36	3.7
6	2.8	55	36	138	323	688	394	62	144	39	30	3.3
7	2.7	47	33	106	250	693	285	74	92	32	62	2.9
8	2.6	41	29	83	256	568	235	64	69	30	289	2.7
9	2.7	36	27	71	745	466	199	55	56	26	268	2.8
10	2.7	32	25	62	622	356	169	48	59	22	141	2.6
11	2.6	29	23	55	438	306	146	41	50	20	70	2.4
12	2.6	26	21	50	350	258	127	36	51	17	83	2.4
13	2.7	24	20	47	308	215	111	34	48	15	108	2.4
14	3.2	22	19	41	271	8360	97	32	42	13	60	2.4
15	3.6	21	18	38	240	3040	87	32	41	12	42	2.1
16	5.2	19	17	36	221	1800	81	38	291	11	32	2.0
17	9.8	18	17	36	840	866	235	32	211	10	26	1.9
18	603	16	16	35	483	504	350	28	139	9.6	22	1.8
19	210	14	16	33	322	371	1410	27	88	16	18	1.8
20	104	14	16	37	244	297	1030	38	68	65	15	1.8
21	67	13	16	111	201	240	528	36	55	28	13	1.7
22	61	13	16	1830	165	195	336	33	50	18	12	1.7
23	82	12	15	3350	140	167	245	34	43	13	11	1.5
24	100	12	14	937	119	148	193	32	44	13	8.5	1.5
25	78	12	14	496	107	132	183	56	35	14	7.7	1.5
26	176	11	13	319	117	112	723	57	31	15	7.0	1.5
27	201	9.5	13	231	133	94	416	57	31	14	6.1	1.4
28	123	8.7	13	183	207	82	282	70	739	35	5.8	1.3
29	83	8.4	13	157	---	76	221	60	616	107	5.4	1.3
30	67	12	13	1560	---	71	175	53	279	286	5.1	1.2
31	56	---	13	5410	---	69	---	55	---	179	4.6	---
TOTAL	2072.0	956.6	865	16140	11569	24506	16496	1703	3935	1543.6	1661.2	84.6
MEAN	66.8	31.9	27.9	521	413	791	550	54.9	131	49.8	53.6	2.82
MAX	603	118	118	5410	2000	8360	3720	144	739	286	289	15
MIN	2.6	8.4	13	13	107	69	64	27	31	9.6	4.6	1.2
CFSM	.32	.15	.13	2.48	1.97	3.77	2.62	.26	.62	.24	.26	.01
IN.	.37	.17	.15	2.86	2.05	4.34	2.92	.30	.70	.27	.29	.01
AC-FT	4110	1900	1720	32010	22950	48610	32720	3380	7810	3060	3290	168

CAL YR 1981 TOTAL 80097.4 MEAN 219 MAX 3040 MIN 2.6 CFSM 1.04 IN 14.19 AC-FT 158900
WTR YR 1982 TOTAL 81532.0 MEAN 223 MAX 8360 MIN 1.2 CFSM 1.06 IN 14.44 AC-FT 161700

07263150 FOURCHE LAFAVE RIVER NEAR BIGELOW, AR

LOCATION.--Lat 34°58'42", long 92°38'54", in NE 1/4 sec.24, T.4 N., R.16 W., Perry County, Hydrologic Unit 11110206, at bridge on State Highway 113, 1.8 mi (2.8 km) southwest of Bigelow, and at mile 5.1 (8.2 km).

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT											
13...	1400	9827	9827	--	25.0	21.0	--	--	--	--	8
NOV											
17...	1400	9827	9827	6.8	21.0	15.0	30	7.9	77	--	<4
DEC											
15...	1310	9827	9827	6.9	10.0	9.0	15	10.2	88	1.0	8
FEB											
02...	1200	9827	9827	6.5	1.0	6.0	110	10.2	82	2.1	1400
16...	1550	9827	9827	6.6	17.0	6.0	35	11.9	95	1.0	8
MAR											
16...	1640	9827	9827	6.5	27.0	14.0	130	9.1	--	2.3	1200
APR											
20...	1505	9827	9827	6.5	20.0	17.0	45	6.8	70	1.1	20
MAY											
11...	1530	9827	9827	6.6	30.0	23.0	--	6.7	77	1.7	12
JUN											
22...	1545	9827	9827	6.5	30.0	26.0	20	4.5	55	1.8	4
JUL											
20...	1515	9827	9827	6.5	37.0	31.0	40	3.6	48	2.2	36
AUG											
17...	1530	9827	9827	6.8	32.0	30.0	30	8.1	107	2.8	32
SEP											
14...	1500	9827	9827	6.9	30.0	27.0	40	4.8	59	1.9	4

DATE	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT										
13...	--	--	--	--	--	--	--	--	--	--
NOV										
17...	24	5.0	5.5	51	.07	22	.05	.030	.050	<.010
DEC										
15...	16	6.0	5.5	38	.05	16	.04	.020	.030	<.010
FEB										
02...	20	1.0	5.0	67	.09	81	.20	.050	.240	.040
16...	12	3.0	1.2	42	.06	24	.28	.050	.080	.010
MAR										
16...	14	6.0	2.5	86	.12	112	.15	.080	.170	.050
APR										
20...	14	6.0	5.0	51	.07	40	.10	.050	.070	.010
MAY										
11...	18	1.0	5.5	56	.08	31	.08	.060	.060	<.010
JUN										
22...	18	8.0	4.0	58	.08	10	.14	.050	.040	<.010
JUL										
20...	26	--	5.0	53	.07	32	.10	.100	--	<.010
AUG										
17...	--	3.0	5.5	53	.07	24	.24	.030	.060	.010
SEP										
14...	24	3.0	27	85	.12	16	.06	.150	.060	.040

07263150 FOURCHE LAFAVE RIVER NEAR BIGELOW, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
NOV								
17...	1400	<5	<1	1	18	--	--	21
DEC								
15...	1310	9	5	<1	11	--	5	38
FEB								
02...	1200	13	4	2	--	--	7	58
16...	1550	6	4	1	--	--	<5	50
MAR								
16...	1640	<5	1	2	11	--	<5	48
APR								
20...	1505	9	<1	3	14	--	<5	28
MAY								
11...	1530	<5	<1	<1	<10	--	<5	24
JUN								
22...	1545	<5	2	<1	16	--	--	44
JUL								
20...	1515	<5	2	<1	12	<1.0	<5	50
AUG								
17...	1530	5	3	<1	<10	--	<5	27
SEP								
14...	1500	<5	2	<1	15	--	<5	22

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
15...	1310	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
16...	1640	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
11...	1530	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
22...	1545	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
17...	1530	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07263450 ARKANSAS RIVER AT MURRAY DAM, AT LITTLE ROCK, AR

LOCATION.--Lat 34°47'27", long 92°21'32", in sec.23, T.2 N., R.13 W., Pulaski County, Hydrologic Unit 11110207, in Murray Dam control house on right bank and at mile 141.5 (227.7 km).

DRAINAGE AREA.--158,030 mi^2 (409,300 km^2), of which 22,241 mi^2 (57,604 km^2) is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1927 to current year. Prior to October 1969, published as "07263500 Arkansas River at Little Rock." Monthly discharge only for some periods, published in WSP 1311. Gage-height records collected at or near former site since 1873 are contained in reports of National Weather Service. Gage-height records collected since 1883 at site 5.5 mi (8.8 km) downstream, and intermittent records of discharge since 1885 are contained in reports of Mississippi River Commission.

GAGE.--Water-stage and gate-position recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1934, nonrecording gage, Oct. 1, 1934, to May 9, 1970, recording gage at site 6.2 mi (10.0 km) downstream at datum 223.61 ft (68.156 m) higher. Sept. 20, 1968, to May 9, 1979, auxiliary water-stage recorder 5.5 mi (8.8 km) upstream from former gage.

REMARKS.--Records good. Beginning May 10, 1970, daily discharge computed from relation between discharge, head, and gate openings. Flow regulated upstream by many locks, dams, and reservoirs.

AVERAGE DISCHARGE.--55 years, 40,170 ft^3/s (1,140 m^3/s), 29,100,000 acre-ft/yr (35,900 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 536,000 ft^3/s (15,200 m^3/s) May 27, 1943, gage height, 30.05 ft (9.159 m), site and datum then in use; minimum daily, 14 ft^3/s (0.40 m^3/s) Oct. 25, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1833 reached a stage of 34.6 ft (10.55 m) former site and datum. Flood of Apr. 20, 1927, reached a stage of 33.0 ft (10.06 m), former site and datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 176,000 ft^3/s (4,980 m^3/s) Feb. 1, tailwater elevation, 245.58 ft (74.853 m); minimum daily, 636 ft^3/s (18.0 m^3/s) Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3840	31000	33800	4000	173000	56900	28300	13800	124000	124000	28400	4670
2	2440	51500	41100	5780	162000	54000	31100	11200	118000	116000	30200	13400
3	636	59300	33100	6340	126000	50500	48000	11600	120000	117000	27800	7870
4	2750	54100	32800	24800	111000	51100	26400	14300	130000	112000	21500	4890
5	5000	53100	21900	17500	88200	49400	31000	10300	143000	106000	27100	5010
6	3540	59200	20000	15400	82900	53300	34500	16100	153000	86800	24300	3750
7	3880	65600	34800	20200	77100	48200	31300	21400	160000	75100	20200	3550
8	3260	55000	27400	19700	68500	34500	15000	10700	166000	72200	23200	4060
9	4180	55300	27600	17100	70200	39300	24700	5860	158000	72800	26600	6560
10	2250	59200	31300	16100	73200	43400	22000	13300	153000	67300	22500	4360
11	1640	58500	21300	22000	69400	38900	26300	19600	144000	53200	26600	6320
12	1300	64200	24700	18600	68200	41600	11000	27300	145000	61000	22700	3620
13	5690	56600	22100	15800	69000	30900	12100	41700	148000	60400	22000	3590
14	22700	43700	22000	13700	67500	50300	14600	57900	149000	52600	24300	3520
15	26400	47200	25000	8320	64700	62300	20800	100000	151000	41300	21700	2900
16	32000	51400	23000	6710	64500	68400	15300	122000	155000	40800	16600	1770
17	36200	48700	19300	7510	70000	65000	16000	118000	156000	35000	9120	8350
18	52400	43700	21200	13500	69500	68200	11700	97400	155000	29700	17100	3730
19	43300	43900	33700	17600	62300	72600	13300	86700	151000	26400	14200	1310
20	38900	40900	11000	22100	66900	66100	22000	97600	146000	30300	9870	829
21	38100	40800	4260	16800	64800	59800	19100	106000	147000	29500	6180	7540
22	36400	42200	9940	23200	60700	56300	16900	110000	143000	31600	1500	3520
23	36200	36800	12900	31000	54500	58200	16800	111000	139000	29600	2930	3540
24	17300	35000	16900	26600	57200	53200	9020	111000	136000	27700	9100	2940
25	12900	35400	1580	34500	59800	55100	6880	113000	130000	22500	14300	2200
26	27100	18000	5370	29600	57400	51800	18300	114000	126000	25900	15600	1520
27	40900	21200	6390	18700	54200	45100	24200	114000	127000	26800	7560	1220
28	32200	7760	9860	17200	54300	37000	17000	115000	133000	20600	6430	2680
29	26100	15400	10800	21900	---	39900	11700	118000	146000	20700	8100	2690
30	25500	21900	6920	26800	---	36800	15300	124000	134000	28900	8150	1830
31	13200	---	5380	114000	---	22900	---	122000	---	31800	17200	---
TOTAL	598206	1316560	617400	653060	2167000	1561000	610600	2154760	4286000	1675500	533040	123739
MEAN	19300	43890	19920	21070	77390	50350	20350	69510	142900	54050	17190	4125
MAX	52400	65600	41100	114000	173000	72600	48000	124000	166000	124000	30200	13400
MIN	636	7760	1580	4000	54200	22900	6880	5860	118000	20600	1500	829
AC-FT	1187000	2611000	1225000	1295000	4298000	3096000	1211000	4274000	8501000	3323000	1057000	245400

CAL YR 1981	TOTAL	6877074	MEAN	18840	MAX	69900	MIN 496	AC-FT	13640000
WTR YR 1982	TOTAL	16296865	MEAN	44650	MAX	173000	MIN 636	AC-FT	32320000

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK, AR--CONTINUED

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SUSPENDED SEDIMENT DISCHARGE: October 1970 to September 1981.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 20...	1355	9827	9827	40300	8.2	27.0	20.0	20	10.4
NOV 17...	1405	9827	9827	48000	7.9	21.0	16.0	30	10.9
DEC 15...	1400	9827	9827	21700	8.0	11.0	9.0	20	11.9
JAN 26...	1420	9827	9827	25500	7.8	4.0	4.0	50	--
FEB 16...	1350	9827	9827	64400	7.5	17.0	7.0	50	14.1
MAR 23...	1445	9827	9827	56600	7.7	21.0	16.0	30	9.9
APR 27...	1500	9827	9827	24400	8.7	26.0	20.0	10	11.7
MAY 25...	1515	9827	9827	112000	7.7	29.0	24.0	70	8.3
JUN 15...	1500	9827	9827	151000	7.8	32.0	28.0	--	8.2
JUL 06...	1415	9827	9827	81400	7.7	31.0	30.0	35	8.7
AUG 17...	1350	9827	9827	3300	8.0	--	--	20	7.5
SEP 14...	1345	9827	9827	3500	8.4	31.0	29.0	15	9.5

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT 20...	113	23	2.9	110	138	48	160	401	.55
NOV 17...	109	19	1.1	<4	134	51	140	345	.47
DEC 15...	103	18	1.8	12	124	52	170	428	.58
JAN 26...	--	--	2.3	80	92	37	120	295	.40
FEB 16...	116	20	1.5	8	64	17	34	161	.22
MAR 23...	99	--	1.6	20	86	31	96	277	.38
APR 27...	127	19	--	28	108	39	100	307	.42
MAY 25...	98	20	1.6	48	130	47	190	477	.65
JUN 15...	104	20	1.6	120	136	49	100	357	.49
JUL 06...	--	18	2.3	8	--	56	130	381	.52
AUG 17...	--	15	1.2	20	156	55	150	410	.56
SEP 14...	122	23	3.0	4	152	56	120	438	.60

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
20...	24	.01	.020	.48	.50	.51	2.3	.090	.010
NOV									
17...	27	--	.050	.35	.40	--	--	.120	.020
DEC									
15...	14	.37	.030	.17	.20	.57	2.5	.080	.020
JAN									
26...	42	.45	.060	.34	.40	.85	3.8	.140	.020
FEB									
16...	80	--	.130	--	--	--	--	.200	.020
MAR									
23...	29	.32	.090	.51	.60	.92	4.1	.090	.010
APR									
27...	22	.08	.040	.66	.70	.78	3.5	.060	<.010
MAY									
25...	70	.58	.060	.74	.80	1.4	6.1	.140	.060
JUN									
15...	92	.66	.050	--	--	--	--	--	.040
JUL									
06...	40	.56	.030	--	--	--	--	.100	.030
AUG									
17...	17	.32	.040	.16	.20	.52	2.3	--	--
SEP									
14...	11	.01	.100	1.1	1.20	1.2	5.4	.050	.050

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
20...	1355	10	2	5	13	--	8	31
NOV								
17...	1405	<5	<1	10	11	--	<5	12
DEC								
15...	1400	6	<1	3	12	--	9	18
JAN								
26...	1420	8	<1	3	11	--	9	23
FEB								
16...	1350	<5	--	3	14	--	<5	17
MAR								
23...	1445	2	2	<1	16	--	--	23
APR								
27...	1500	7	<1	4	18	--	<5	28
MAY								
25...	1515	23	--	--	<10	--	<5	9
JUN								
15...	1500	<5	<1	10	31	--	<5	55
JUL								
06...	1415	<5	2	--	27	<1.0	<5	31
AUG								
17...	1350	6	--	<1	12	--	<5	14
SEP								
14...	1345	5	2	<1	18	--	<5	20

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN											
26...	1420	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
25...	1515	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
17...	1350	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, AR
(National radiochemical station)
(National stream-quality accounting network station)

LOCATION.--Lat 34°40'07", long 92°09'18", in sec.35, T.1 N., R.11 W., Pulaski County, Hydrologic Unit 11110207, at upper end of upstream wall at David D. Terry Lock and Dam, 10.7 mi (17.2 km) downstream from Main Street bridge at Little Rock, and at mile 124.2 (199.8 km).

DRAINAGE AREA.--158,288 mi^2 (409,966 km^2), of which 22,241 mi^2 (57,604 km^2) is probably noncontributing.

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1970 to September 1978, October 1980 to September 1981.
pH: April 1970 to September 1978.
WATER TEMPERATURES: October 1969 to September 1978, October 1980 to September 1981.
DISSOLVED OXYGEN: October 1969 to September 1978.

INSTRUMENTATION.--Water-quality monitor October 1969 to September 1981.

REMARKS.--Discharge figures are for station 07263450, 16.8 mi (26.0 km) upstream.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (FTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 09...	1030	80513	80010	6010	836	8.2	21.5	3.5	6.5	73
DEC 02...	0900	80513	80010	38600	1044	7.9	10.5	25	10.4	93
FEB 12...	1100	80513	80010	66900	353	7.8	2.5	71	12.3	90
APR 07...	1000	80513	80010	30400	450	7.9	13.5	32	10.5	100
JUN 08...	1500	80513	80010	158000	498	7.9	24.0	82	7.1	84
JUL 27...	0915	80513	80010	30800	591	8.2	29.5	17	7.0	90

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
OCT 09...	--	K8	150	50	42	11	120	63	4.5	4.5
DEC 02...	100	96	140	50	41	9.1	150	69	5.8	4.4
FEB 12...	120	110	69	30	20	4.7	40	54	2.2	2.8
APR 07...	K150	K34	87	30	25	5.8	52	56	2.6	2.3
JUN 08...	150	180	110	32	31	6.8	48	49	2.2	3.4
JUL 27...	590	2000	140	39	40	8.9	59	47	2.3	4.6

DATE	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
OCT 09...	100	53	170	.3	1.0	467	462	.64	7580
DEC 02...	90	61	210	.3	3.2	558	533	.76	58200
FEB 12...	39	27	55	.1	5.1	189	178	.26	34100
APR 07...	57	33	77	.2	4.4	248	235	.34	20400
JUN 08...	73	40	75	.2	6.1	286	254	.39	122000
JUL 27...	98	48	88	.2	5.8	362	313	.49	30100

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
09...	.06	.140	.18	.57	.110	.070	11	178	62
DEC									
02...	.41	.070	.09	.16	.090	.050	32	3340	77
FEB									
12...	.73	.200	.26	2.80	.140	.060	90	16300	64
APR									
07...	.46	.080	.10	.81	.090	.040	46	3780	82
JUN									
08...	.62	.050	.06	.50	.210	.050	281	120000	56
JUL									
27...	.35	.140	.18	1.30	.090	.060	26	2160	72

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT										
09...	1030	4	4	100	10	90	1	0	1	10
FEB										
12...	1100	1	0	100	50	48	1	--	<1	20
APR										
07...	1000	1	1	260	0	260	<1	--	<1	10
JUL										
27...	0915	2	1	200	100	93	1	--	<1	20

DATE	TIME	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
OCT											
09...	1030	--	<10	3	1	2	20	0	20	360	--
FEB											
12...	1100	--	<10	<1	--	<1	23	18	5	2600	2500
APR											
07...	1000	--	<10	6	0	6	10	6	4	720	510
JUL											
27...	0915	10	10	3	2	1	15	8	7	700	670

DATE	TIME	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT											
09...	1030	<3	24	--	<1	90	--	<1	<.1	--	<.1
FEB											
12...	1100	110	13	10	3	120	110	12	.1	.0	.1
APR											
07...	1000	210	3	--	<1	80	70	8	<.1	--	.1
JUL											
27...	0915	31	12	8	4	60	60	3	<.1	--	<.1

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG) (01076)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT 09...	1030	<1	<1	1	0	1	30	30	5
FEB 12...	1100	<1	<1	<1	--	<1	40	10	27
APR 07...	1000	<1	<1	<1	--	<1	110	0	110
JUL 27...	0915	<1	<1	<1	--	<1	70	60	6

DATE	TIME	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT) (80030)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT) (01516)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS BETA, DISSOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90) (80060)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L) (09511)	URANIUM DISSOLVED, EXTRACTION (UG/L) (80020)
FEB 12...	1100	<4.4	3.8	5.6	3.8	3.7	3.5	3.3	.08	.25
JUL 27...	0915	<4.1	--	<1.0	6.2	6.0	1.8	1.8	.07	.21

07263750 ARKANSAS RIVER AT LOCK AND DAM 3, NEAR SWAN LAKE, AR

LOCATION.--Lat 34°09'36", long 91°40'42", in sec.20, T.6 S., R.6 W., Jefferson County, Hydrologic Unit 08020401, at Dam No. 3, 1.5 mi (2.4 km) southeast of Swan Lake.

DRAINAGE AREA.--158,937 mi^2 (411,647 km^2), of which 22,241 mi^2 (57,604 km^2) is probably noncontributing.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
06...	1425	9827	9827	.00	8.1	25.0	23.0	7.0	7.5
NOV									
03...	1025	9827	9827	55500	7.8	14.0	15.0	40	9.5
DEC									
08...	0910	9827	9827	34600	8.1	14.0	11.0	35	11.6
JAN									
05...	1030	9827	9827	25700	8.0	6.0	6.0	20	11.9
FEB									
23...	1435	9827	9827	52500	7.7	26.0	9.0	50	12.3
MAR									
09...	1430	9827	9827	38600	7.8	15.0	9.0	30	11.7
APR									
27...	1030	9827	9827	22600	8.1	15.0	17.0	35	10.0
MAY									
25...	1030	9827	9827	124000	7.4	21.0	23.0	70	8.1
JUN									
15...	1410	9827	9827	158000	7.6	32.0	25.0	80	7.7
JUL									
20...	1030	9827	9827	28000	--	31.0	30.0	20	8.5
AUG									
23...	1010	9827	9827	.00	8.0	30.0	29.0	4.5	9.3
SEP									
14...	1420	9827	9827	1700	--	30.0	26.0	3.2	6.9

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT									
06...	86	20	2.0	<4	158	58	180	487	.66
NOV									
03...	93	17	2.3	60	132	48	160	408	.55
DEC									
08...	105	17	--	4	154	57	200	569	.77
JAN									
05...	95	9	2.0	8	126	52	180	423	.58
FEB									
23...	106	19	1.6	18	74	30	.5	169	.23
MAR									
09...	101	13	1.3	16	96	32	95	259	.35
APR									
27...	103	21	3.8	40	112	36	110	320	.44
MAY									
25...	93	23	2.0	60	124	43	170	461	.63
JUN									
15...	92	18	1.5	140	132	24	88	--	--
JUL									
20...	112	17	2.3	<4	140	--	--	368	.50
AUG									
23...	119	19	3.5	56	146	59	150	433	.59
SEP									
14...	84	27	1.3	<4	--	--	--	--	--

07263750 ARKANSAS RIVER AT LOCK AND DAM 3, NEAR SWAN LAKE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
06...	24	<.01	.020	.78	.80	--	--	--	.010
NOV									
03...	42	.23	.100	--	<.10	--	--	.070	<.010
DEC									
08...	42	.29	.040	--	--	--	--	.120	.010
JAN									
05...	21	.37	.110	.19	.30	.67	3.0	.130	.020
FEB									
23...	34	--	.110	--	--	--	--	.130	.020
MAR									
09...	26	.41	.080	.02	.10	.51	2.3	.460	.340
APR									
27...	42	.14	.090	.61	.70	.84	3.7	.120	.020
MAY									
25...	8	.56	.080	.82	.90	1.5	6.5	.150	.060
JUN									
15...	92	.65	.040	.86	.90	1.6	6.9	.130	.040
JUL									
20...	20	.40	.040	--	--	--	--	.050	.030
AUG									
23...	8	.17	.030	1.5	1.50	1.7	7.4	--	.020
SEP									
14...	--	.05	--	--	1.00	1.1	4.6	--	.040

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	1425	5	<1	5	15	--	--	11
NOV								
03...	1025	7	--	2	24	--	<5	37
DEC								
08...	0910	7	<1	2	140	--	8	400
JAN								
05...	1030	6	<1	<1	300	--	<5	46
FEB								
23...	1435	8	<1	2	22	--	8	51
MAR								
09...	1430	<5	<1	1	19	--	8	36
APR								
27...	1030	<5	<1	3	23	--	<5	37
MAY								
25...	1030	7	<1	--	30	--	6	71
JUN								
15...	1410	<5	<1	10	21	--	10	53
JUL								
20...	1030	<5	<1	2	21	<1.0	<5	46
AUG								
23...	1010	<5	<1	3	14	--	<5	56

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
08...	0910	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
15...	1410	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
14...	1420	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07264000 BAYOU METO NEAR LONOKE, AR

LOCATION.--Lat 34°44'10", long 91°54'58", in SW 1/4 sec.6, T.1 N., R.8 W., Lonoke County, Hydrologic Unit 08020402, near left bank on downstream side of bridge on State Highway 31, 3.0 mi (4.8 km) upstream from Brushy Slough, 3.5 mi (5.6 km) south of Lonoke, and at mile 106.4 (171.2 km).

DRAINAGE AREA.--207 mi^2 (536 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1954 to current year. Gage-height records and results of discharge measurements since June 1948 at site 4.8 mi (7.7 km) upstream are contained in reports of Corps of Engineers, Vicksburg District; published as "Big Bayou Meto near Lonoke."

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 199.11 ft (60.689 m) National Geodetic Vertical Datum of 1929. Prior to Feb. 10, 1955, water-stage recorder at site 4.8 mi (7.7 km) upstream at datum 6.97 ft (2.124 m) higher. Feb. 10 to June 29, 1955, nonrecording gage at present site and datum.

REMARKS.--Records good. Part of low flow is drainage from areas irrigated with ground water and from large minnow farm supplied with ground water.

AVERAGE DISCHARGE.--28 years, 288 ft^3/s (8.16 m^3/s), 208,700 acre-ft/yr (257 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,700 ft^3/s (133 m^3/s) May 18, 1968, gage height, 26.55 ft (8.092 m); no flow at times in 1955, 1956, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,410 ft^3/s (39.9 m^3/s) Feb. 5, gage height, 20.01 ft (6.099 m); minimum daily, 0.61 ft^3/s (0.017 m^3/s) July 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	102	19	31	916	286	72	395	232	147	22	22
2	12	90	33	37	1040	322	646	368	157	118	20	16
3	11	93	53	55	1180	339	1050	316	112	85	13	15
4	9.9	89	60	92	1340	335	1150	292	94	76	14	33
5	9.8	81	56	148	1410	330	1160	259	75	66	11	30
6	9.8	72	47	222	1370	394	1190	215	65	51	8.6	26
7	10	62	40	242	1260	428	1200	343	54	38	14	21
8	14	51	36	204	1140	423	1130	577	49	26	25	20
9	9.2	43	34	147	1080	412	978	669	43	21	24	19
10	7.6	35	36	105	944	370	770	711	44	18	26	17
11	8.5	27	37	86	833	321	539	704	41	15	69	17
12	9.0	22	31	85	777	274	354	608	43	9.4	63	23
13	11	19	26	85	723	246	261	436	39	6.3	51	22
14	12	19	23	85	641	459	247	282	64	2.1	100	25
15	9.9	14	21	85	536	652	223	217	76	4.4	312	31
16	9.7	11	19	84	469	773	451	194	79	6.5	420	35
17	13	9.4	18	84	497	888	650	188	100	1.1	447	43
18	20	14	18	84	539	1010	579	169	287	.61	397	38
19	79	16	16	68	594	1070	677	130	356	9.8	288	33
20	217	16	18	56	625	1020	817	98	275	12	175	27
21	224	19	21	335	605	889	872	93	158	13	97	23
22	149	17	20	468	536	690	865	203	92	13	66	19
23	97	16	19	672	433	479	812	222	70	59	53	19
24	86	22	22	780	341	328	721	207	53	114	46	20
25	90	21	29	794	296	256	599	313	44	87	37	28
26	98	20	36	785	254	219	568	494	54	79	30	24
27	163	17	37	778	221	187	556	560	44	62	22	20
28	242	16	35	745	245	154	504	578	55	43	18	19
29	252	14	34	671	---	130	467	519	71	30	18	18
30	202	16	32	574	---	99	423	414	112	21	18	17
31	145	---	32	760	---	79	---	327	---	24	21	---
TOTAL	2244.4	1063.4	958	9447	20845	13862	20531	11101	3038	1258.21	2925.6	720
MEAN	72.4	35.4	30.9	305	744	447	684	358	101	40.6	94.4	24.0
MAX	252	102	60	794	1410	1070	1200	711	356	147	447	43
MIN	7.6	9.4	16	31	221	79	72	93	39	.61	8.6	15
AC-FT	4450	2110	1900	18740	41350	27500	40720	22020	6030	2500	5800	1430

CAL YR 1981 TOTAL 75115.90 MEAN 206 MAX 1930 MIN 6.5 AC-FT 149000
WTR YR 1982 TOTAL 87993.61 MEAN 241 MAX 1410 MIN .61 AC-FT 174500

07264000 BAYOU METO NEAR LONOKE, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1967 to September 1972, April 1974 to current year.

REMARKS.--Part of low flow is drainage from areas irrigated with ground water and from large minnow farm supplied with ground water.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
06...	1600	9827	9827	9.6	7.4	27.0	23.0	--	3.2
NOV									
03...	0915	9827	9827	93	7.2	20.0	15.0	35	6.0
DEC									
08...	0915	9827	9827	37	7.1	16.0	10.0	--	5.9
JAN									
26...	0935	9827	9827	785	6.7	-2.0	4.0	70	--
FEB									
16...	0925	9827	9827	457	7.0	16.0	8.0	45	9.9
MAR									
23...	0915	9827	9827	497	6.9	26.0	17.0	35	4.8
APR									
27...	0950	9827	9827	562	6.6	22.0	17.0	100	6.1
MAY									
25...	0930	9827	9827	278	6.9	23.0	24.0	100	4.3
JUN									
15...	0945	9827	9827	85	6.9	32.0	27.0	40	3.6
JUL									
06...	0910	9827	9827	52	6.7	32.0	29.0	35	3.6
AUG									
17...	0855	9827	9827	451	6.7	29.0	21.0	40	3.6
SEP									
14...	0845	9827	9827	24	8.0	29.0	21.0	20	2.9

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT									
06...	37	28	--	48	124	6.0	73	287	.39
NOV									
03...	59	33	2.7	56	64	17	37	174	.24
DEC									
08...	52	29	1.6	130	110	22	230	432	.59
JAN									
26...	--	--	4.4	150	24	12	18	108	.15
FEB									
16...	83	26	2.1	28	36	8.0	17	105	.14
MAR									
23...	49	--	2.4	66	42	9.0	16	103	.14
APR									
27...	63	28	--	480	34	7.0	13	126	.17
MAY									
25...	51	35	--	--	42	5.0	23	150	.20
JUN									
15...	44	28	2.1	230	48	7.0	42	164	.22
JUL									
06...	46	25	1.7	88	60	6.0	47	162	.22
AUG									
17...	40	23	2.3	230	44	7.0	37	144	.20
SEP									
14...	32	38	5.1	--	130	.9	56	268	.36

07264000 BAYOU METO NEAR LONOKE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
06...	--	.36	.090	.81	.90	1.3	5.6	.130	--
NOV									
03...	31	.56	.120	--	<.10	--	--	.350	.210
DEC									
08...	9	.59	.160	.34	.50	1.1	4.8	.130	.070
JAN									
26...	36	.49	.460	--	--	--	--	.420	.230
FEB									
16...	18	--	.120	--	--	--	--	.230	.060
MAR									
23...	28	.23	.140	.66	.80	1.0	4.6	.330	.170
APR									
27...	79	.25	.110	.89	1.00	1.3	5.5	.300	.140
MAY									
25...	91	.60	.100	1.2	1.30	1.9	8.4	.850	.220
JUN									
15...	38	.41	.100	--	--	--	--	--	.130
JUL									
06...	36	.63	.100	--	--	--	--	.280	.180
AUG									
17...	42	.58	.500	.30	.80	1.4	6.1	--	--
SEP									
14...	21	.28	.110	1.4	1.50	1.8	7.9	.180	.130

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	1600	7	5	2	<10	--	--	--
NOV								
03...	0915	5	<1	4	10	--	5	--
DEC								
08...	0915	<5	<1	--	19	--	<5	38
JAN								
26...	0935	16	9	7	16	--	<5	51
FEB								
16...	0925	8	--	1	12	--	<5	44
MAR								
23...	0915	<5	4	<1	16	--	--	33
APR								
27...	0950	<5	1	10	23	--	<5	26
MAY								
25...	0930	9	--	--	18	--	<5	52
JUN								
15...	0945	5	<1	6	22	--	<5	68
JUL								
06...	0910	5	2	--	<10	<1.0	<5	22
AUG								
17...	0855	10	--	<1	<10	--	<5	17
SEP								
14...	0845	5	2	<1	17	--	<5	24

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT											
06...	1600	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JAN											
26...	0935	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
27...	0950	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
06...	0910	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07264050 BAYOU TWO PRAIRIE NEAR CABOT, AR

LOCATION.--Lat 34°51'32", long 91°58'48", in NW 1/4 NW 1/4 sec.28, T.3 N., R.9 W., Lonoke County, Hydrologic Unit 08020402, at bridge on State Highway 89, 8.4 mi (13.5 km) south of Cabot.

DRAINAGE AREA.--84.9 mi^2 (220 km^2).

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 06...	0830	9827	9827	--	7.3	23.0	19.0	--	.6
NOV 03...	0850	9827	9827	--	6.8	20.0	15.0	20	1.5
DEC 08...	0830	9827	9827	--	7.0	16.0	9.0	--	2.2
JAN 26...	1000	9827	9827	--	6.2	.0	4.0	40	--
FEB 16...	1000	9827	9827	--	6.5	17.0	9.0	30	7.0
MAR 23...	0950	9827	9827	--	6.6	28.0	16.0	25	3.1
APR 27...	1030	9827	9827	--	6.3	22.0	17.0	45	5.7
MAY 25...	1010	9827	9827	--	6.5	23.0	22.0	65	3.0
JUN 15...	1015	9827	9827	14	6.5	32.0	26.0	35	3.1
JUL 06...	1030	9827	9827	5.0	6.5	30.0	29.0	40	2.5
AUG 17...	0930	9827	9827	34	6.7	26.0	25.0	30	2.6
SEP 14...	0920	9827	9827	7.0	7.1	26.0	21.0	6.2	1.5

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)
OCT 06...	6	--	--	80	4.0	34	201	.27	--
NOV 03...	15	5.2	670	40	18	17	110	.15	12
DEC 08...	19	10	>240	38	19	23	142	.19	8
JAN 26...	--	3.4	50	20	10	9.5	79	.11	15
FEB 16...	60	2.0	92	28	8.0	9.0	74	.10	4
MAR 23...	31	1.4	44	32	9.0	9.5	89	.12	15
APR 27...	59	--	940	20	7.0	7.5	88	.12	34
MAY 25...	34	--	<4	20	3.0	10	99	.13	57
JUN 15...	38	--	88	26	12	9.5	106	.14	18
JUL 06...	32	--	48	52	8.0	12	136	.19	39
AUG 17...	31	--	220	36	7.0	11	102	.14	16
SEP 14...	17	11	--	58	8.0	27	187	.25	26

07264050 BAYOU TWO PRAIRIE NEAR CABOT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT								
06...	.08	4.60	--	--	--	--	1.70	--
NOV								
03...	.17	2.10	--	--	--	--	2.70	.900
DEC								
08...	.13	5.40	--	--	--	--	2.00	1.50
JAN								
26...	.29	.160	.94	1.10	1.4	6.2	.190	.090
FEB								
16...	--	.400	--	--	--	--	.290	.120
MAR								
23...	.19	.510	--	--	--	--	.420	.260
APR								
27...	.21	.210	--	--	--	--	.210	.100
MAY								
25...	.42	.390	--	--	--	--	.430	.240
JUN								
15...	.77	.230	--	--	--	--	--	.300
JUL								
06...	.74	.460	--	--	--	--	.660	.460
AUG								
17...	.43	.980	--	--	--	--	--	--
SEP								
14...	.02	6.60	--	--	--	--	2.85	2.30

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	0830	10	<1	2	16	--	--	--
NOV								
03...	0850	<5	<1	6	15	--	<5	--
DEC								
08...	0830	<5	<1	--	<10	--	<5	71
JAN								
26...	1000	6	<1	2	18	--	<5	24
FEB								
16...	1000	8	--	1	15	--	<5	24
MAR								
23...	0950	8	1	<1	16	--	--	22
APR								
27...	1030	<5	2	2	23	--	<5	24
MAY								
25...	1010	30	--	--	<10	--	<5	11
JUN								
15...	1015	<5	<1	16	29	--	<5	58
JUL								
06...	1030	<5	2	--	<10	<1.0	<5	22
AUG								
17...	0930	6	--	2	10	--	<5	13
SEP								
14...	0920	<5	1	2	22	--	<5	17

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT											
06...	0830	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JAN											
26...	1000	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
27...	1030	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
06...	1030	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07265099 BAYOU METO NEAR BAYOU METO, AR

LOCATION.--Lat 34°12'07", long 91°31'50", in SE 1/4 NE 1/4 sec.3, T.6 S., R.5 W., at Arkansas-Jefferson County line, Hydrologic Unit 08020402, at bridge on State Highway 11, 1.6 mi (2.6 km) southwest of Bayou Meto.

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

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
06...	1325	9827	9827	3.0	8.2	25.0	23.0	20	8.6	99	2.9
NOV											
03...	1105	9827	9827	420	7.3	14.0	14.0	35	6.7	64	3.2
DEC											
08...	1100	9827	9827	24	7.4	14.0	11.0	25	7.0	63	1.7
JAN											
05...	1110	9827	9827	110	7.6	7.0	7.0	35	9.4	77	2.5
FEB											
23...	1345	9827	9827	2800	6.9	25.0	12.0	100	7.4	69	3.1
MAR											
09...	1350	9827	9827	1600	7.1	14.0	12.0	60	8.6	80	2.7
APR											
27...	1110	9827	9827	4000	6.5	16.0	16.0	120	5.3	53	3.3
MAY											
25...	1100	9827	9827	1900	6.6	21.0	23.0	70	4.3	49	--
JUN											
15...	1310	9827	9827	810	6.8	31.0	24.0	60	2.5	29	--
JUL											
20...	1100	9827	9827	--	--	31.0	30.0	50	6.9	91	--
AUG											
23...	1040	9827	9827	150	7.5	30.0	29.0	50	6.1	78	3.2
SEP											
14...	1345	9827	9827	28	--	29.0	26.0	35	4.6	56	--

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
06...	12	136	12	33	231	.31	14	<.01	.010	--	.010
NOV											
03...	120	78	11	24	171	.23	22	.25	.170	.140	.080
DEC											
08...	60	80	14	35	175	.24	12	.13	.060	.120	.060
JAN											
05...	120	80	19	35	173	.24	10	.17	.060	--	.050
FEB											
23...	20	32	12	--	155	.21	38	--	.070	.220	.110
MAR											
09...	12	42	12	17	157	.21	27	.20	.080	.180	.090
APR											
27...	64	30	6.0	5.5	190	.26	26	.20	.130	.320	.270
MAY											
25...	28	38	6.0	12	137	.19	32	.27	.090	.310	.230
JUN											
15...	20	46	14	15	155	.21	10	.34	.130	.300	.200
JUL											
20...	12	80	--	--	167	.23	42	.20	.080	.160	.060
AUG											
23...	56	102	11	36	200	.27	54	.27	.040	--	.040
SEP											
14...	36	--	--	--	--	--	--	.18	--	--	.070

07265099 BAYOU METO NEAR BAYOU METO, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
06...	1325	<5	<1	3	18	--	--	15
NOV								
03...	1105	7	--	4	<10	--	<5	<3
DEC								
08...	1100	15	<1	4	<10	--	<5	7
JAN								
05...	1110	5	<1	<1	<10	--	<5	<3
FEB								
23...	1345	19	<1	5	10	--	<5	15
MAR								
09...	1350	7	<1	2	<10	--	<5	15
APR								
27...	1110	6	<1	7	10	--	<5	23
MAY								
25...	1100	8	<1	--	<10	--	<5	6
JUN								
15...	1310	6	<1	7	<10	--	<5	12
JUL								
20...	1100	<5	<1	9	15	<1.0	<5	12
AUG								
23...	1040	5	<1	6	<10	--	<5	15

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
08...	1100	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
09...	1350	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
15...	1310	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
14...	1345	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, AR
(National stream-quality accounting network station)

LOCATION.--Lat 33°59'20", long 91°18'47", in sec.20, T.8 S., R.3 W., Arkansas County, Hydrologic Unit 08020401
2.0 mi (3.2 km) downstream from Arkansas Post Canal, and 9.8 mi (15.8 km) southeast of Gillett.

DRAINAGE AREA.--160,475 mi^2 (415,630 km^2), of which 22,241 mi^2 (57,604 km^2) is probably noncontributing.

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1979 to May 1981.
WATER TEMPERATURES: November 1979 to May 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (FTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
08...	1230	80513	80010	.00	866	7.9	20.0	6.3	7.9	87
DEC										
03...	1530	80513	80010	33500	860	8.1	10.5	15	11.2	100
FEB										
10...	1000	80513	80010	71100	421	7.6	.0	65	12.0	82
APR										
15...	1030	80513	80010	23600	435	7.9	16.5	33	9.7	67
JUN										
15...	1100	80513	80010	144000	455	8.1	25.0	80	7.1	84
AUG										
05...	0900	80513	80010	25400	616	8.0	30.0	23	7.2	94

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
OCT										
08...	<3	K4300	140	36	40	10	100	55	3.2	4.1
DEC										
03...	K30	120	130	39	37	10	130	67	5.2	4.1
FEB										
10...	110	320	74	27	21	5.1	52	60	2.8	2.8
APR										
15...	K13	72	86	21	25	5.8	55	57	2.7	2.8
JUN										
15...	K230	K360	110	33	32	7.7	49	48	2.1	3.2
AUG										
05...	>800	K4800	140	34	41	8.9	62	48	2.4	3.9

DATE	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
OCT									
08...	100	45	170	.3	1.5	476	410	.65	.00
DEC									
03...	95	55	180	.3	2.6	467	476	.64	42200
FEB									
10...	47	31	75	.3	4.7	225	221	.31	43200
APR									
15...	65	31	69	.2	3.8	245	232	.33	15600
JUN									
15...	79	37	78	.2	6.3	338	261	.46	131000
AUG									
05...	105	53	92	.3	5.0	354	330	.48	24300

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT									
08...	.25	.160	.21	.81	.120	.100	21	.00	67
DEC									
03...	.34	.090	.12	.13	.090	.040	35	3170	63
FEB									
10...	.48	.130	.17	1.30	.120	.050	77	14800	83
APR									
15...	.38	.080	.10	.44	.110	.040	64	4080	57
JUN									
15...	.70	.080	.10	.70	.220	.060	186	72300	89
AUG									
05...	.38	.120	.15	.50	.120	.090	78	5350	61

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT										
08...	1230	2	4	100	10	90	1	0	2	10
FEB										
10...	1000	2	2	100	0	--	1	--	<1	20
APR										
15...	1030	2	2	100	30	72	<1	--	<3	20
AUG										
05...	0900	3	2	100	0	--	2	0	2	20

DATE	TIME	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
OCT											
08...	1230	0	10	3	1	2	11	1	10	490	420
FEB											
10...	1000	0	20	1	0	1	12	3	9	3100	2900
APR											
15...	1030	10	10	1	--	<1	8	0	9	1800	1700
AUG											
05...	0900	10	10	1	0	2	12	0	15	1300	1300

DATE	TIME	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT											
08...	1230	73	4	--	<1	90	50	40	.6	.2	.4
FEB											
10...	1000	180	9	4	5	120	110	15	.1	.0	.1
APR											
15...	1030	150	3	0	7	90	80	14	.1	.0	.1
AUG											
05...	0900	39	6	1	5	90	70	25	<.1	--	<.1

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE) (01146)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT									
08...	1230	2	--	<1	<1	1	110	0	30
FEB									
10...	1000	<1	--	1	<1	<1	30	0	--
APR									
15...	1030	2	0	2	<1	<1	40	30	<3
AUG									
05...	0900	<1	--	<1	<1	<1	70	0	78

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, AR
(National stream-quality accounting network station)

LOCATION.--Lat 33°33'27", long 91°14'15", in sec.18, T.13 S., R.1 W., Chicot County, Hydrologic Unit 08050002, 3.0 mi (4.8 km) southwest of Arkansas City, and at mile 554.1 (891.5 km).

DRAINAGE AREA.--1,130,600 mi^2 (2,928,300 km^2), approximately.

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1974 to September 1981.
WATER TEMPERATURES: November 1974 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (FTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
08...	0830	80513	80010	233000	494	8.0	20.0	32	9.0	99
DEC										
03...	1100	80513	80010	308000	550	8.2	10.0	20	11.2	99
FEB										
09...	1330	80513	80010	1190000	295	7.5	1.0	140	14.0	98
APR										
14...	1430	80513	80010	865000	370	8.0	10.0	90	9.5	84
JUN										
15...	1530	80513	80010	856000	400	7.8	24.0	90	6.7	79
AUG										
04...	1700	80513	80010	425000	408	7.9	28.0	110	6.9	87

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
OCT										
08...	K120	52	180	41	46	16	26	23	.9	3.4
DEC										
03...	660	110	160	30	41	14	39	34	1.4	3.2
FEB										
09...	360	960	74	8.0	21	5.2	53	60	2.9	3.6
APR										
14...	K140	54	150	47	39	12	12	15	.5	2.6
JUN										
15...	K1000	350	140	33	38	11	18	21	.7	3.2
AUG										
04...	K370	50	150	31	40	11	24	26	.9	3.5

DATE	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
OCT									
08...	140	72	20	.3	4.3	--	272	.58	171000
DEC									
03...	130	62	46	.3	4.3	319	288	.43	265000
FEB									
09...	66	31	73	.5	4.3	323	233	.44	1040000
APR									
14...	100	33	14	.2	7.3	211	183	.29	493000
JUN									
15...	107	36	29	.2	6.5	263	206	.36	608000
AUG									
04...	115	36	27	.3	6.9	232	219	.32	266000

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 08...	.98	.060	.08	.74	.190	.100	85	53500	92
DEC 03...	1.3	.100	.13	.31	.150	.070	61	50700	83
FEB 09...	--	.630	.81	1.10	.510	.110	205	661000	92
APR 14...	2.1	.080	.10	.72	.310	.070	328	766000	62
JUN 15...	2.3	.070	.09	1.20	.250	.080	168	388000	95
AUG 04...	1.8	.140	.18	.80	.400	.120	319	366000	98

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT 08...	0830	3	2	100	30	70	2	0	2	20
FEB 09...	1330	2	2	100	0	--	1	--	<1	20
APR 14...	1430	3	1	100	10	90	1	--	<3	20
AUG 04...	1700	3	2	--	0	440	2	1	1	20

DATE	TIME	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
OCT 08...	0830	--	<10	3	1	2	130	60	70	2500	2500
FEB 09...	1330	0	20	2	0	2	80	0	80	13000	13000
APR 14...	1430	10	10	3	--	<1	130	100	26	6700	6600
AUG 04...	1700	10	10	2	1	1	120	81	39	10000	10000

DATE	TIME	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT 08...	0830	10	10	8	2	160	150	7	.2	.0	.2
FEB 09...	1330	460	22	13	9	380	300	85	<.1	--	--
APR 14...	1430	56	19	12	7	310	310	5	<.1	--	<.1
AUG 04...	1700	36	7	0	7	390	380	7	.1	.0	.1

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, SUSPENDED TOTAL (UG/L AS SE) (01146)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
OCT									
08...	0830	<1	--	<1	<1	<1	90	70	16
FEB									
09...	1330	6	0	6	<1	<1	70	0	--
APR									
14...	1430	2	0	2	<1	<1	40	0	<3
AUG									
04...	1700	<1	--	<1	<1	<1	110	0	180

07336860 RED RIVER NEAR FOREMAN, AR

LOCATION.--Lat 33°34'12", long 94°24'39", in sec.10, T.14 S., R.32 W., Little River County, Hydrologic Unit 11140106, at bridge on State Highway 41, 10.7 mi (17.2 km) south of Foreman.

DRAINAGE AREA.--47,648 mi^2 (123,408 km^2), of which 5,936 mi^2 (15,374 km^2) is probably noncontributing.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
13...	0830	9827	9827	1600	8.1	22.0	20.0	20	8.5	92	4.7
NOV											
03...	0810	9827	9827	95300	7.9	12.0	16.0	600	7.1	71	1.7
DEC											
15...	0815	9827	9827	5890	8.0	3.0	7.0	50	10.7	88	1.2
JAN											
19...	0815	9827	9827	4810	8.0	9.0	2.0	40	12.7	92	1.2
FEB											
16...	0815	9827	9827	10900	8.0	15.0	8.0	90	11.3	95	1.0
MAR											
16...	0800	9827	9827	7820	8.0	22.0	16.0	100	8.7	--	2.4
APR											
13...	0805	9827	9827	5880	8.0	20.0	15.0	50	9.6	94	2.4
MAY											
18...	0815	9827	9827	44400	7.7	22.0	21.0	370	--	--	2.5
JUN											
22...	0815	9827	9827	59700	7.8	22.0	24.0	260	7.5	88	1.7
JUL											
13...	1045	9827	9827	56400	7.7	30.0	27.0	250	7.8	96	--
AUG											
10...	0830	9827	9827	7170	8.3	26.0	27.0	45	8.3	102	3.0
SEP											
08...	0805	9827	9827	2610	8.2	22.0	25.0	25	8.3	99	4.6

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
13...	48	286	97	17	662	.90	34	--	.010	.060	<.010
NOV											
03...	240	198	81	14	440	.60	746	.21	.100	.900	.040
DEC											
15...	12	204	80	120	445	.61	76	.31	.030	.080	<.010
JAN											
19...	16	188	79	120	449	.61	54	.36	.060	--	.010
FEB											
16...	60	130	--	51	260	.35	124	.41	.080	--	.010
MAR											
16...	540	140	42	48	272	.37	160	.25	.060	.140	.020
APR											
13...	20	200	--	120	--	--	--	.19	--	.100	<.010
MAY											
18...	440	86	13	9.0	178	.24	484	.30	.070	--	.060
JUN											
22...	160	152	54	--	336	.46	339	.24	.060	.050	.020
JUL											
13...	36	160	63	85	127	.17	314	.17	.040	.120	--
AUG											
10...	180	214	92	150	515	.70	82	.06	.060	--	<.010
SEP											
08...	<4	278	100	130	579	.79	36	.01	.010	.090	<.010

07336860 RED RIVER NEAR FOREMAN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
13...	0830	<5	<1	5	14	--	<5	13
NOV								
03...	0810	17	<1	--	--	--	<5	170
DEC								
15...	0815	10	<1	1	20	--	<5	92
JAN								
19...	0815	9	<1	2	17	--	7	110
FEB								
16...	0815	13	<1	4	--	--	<5	50
MAR								
16...	0800	19	<1	36	--	--	6	51
APR								
13...	0805	11	<1	5	25	--	<5	--
MAY								
18...	0815	<5	<1	12	--	--	<5	--
JUN								
22...	0815	<5	1	11	60	--	--	--
JUL								
13...	1045	6	<1	<1	49	<1.0	<5	73
AUG								
10...	0830	5	<1	1	12	--	<5	--
SEP								
08...	0805	5	<1	6	--	--	5	--

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
15...	0815	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
16...	0800	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
22...	0815	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
08...	0805	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07337000 RED RIVER AT INDEX, AR

LOCATION.--Lat 33°33'07", long 94°02'28", in NW 1/4 SW 1/4 sec.7, T.14 S., R.28 W., Miller County, Hydrologic Unit 11140106, near right bank on downstream side of southbound bridge on U.S. Highway 71 at Index, 2.2 mi (3.5 km) south of Ogden, 20.6 mi (33.1 km) upstream from Little River, and at mile 485.3 (780.8 km).

DRAINAGE AREA.--48,030 mi^2 (124,400 km^2), of which 5,936 mi^2 (15,370 km^2) is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1936 to current year. Gage-height records collected at same site since 1917 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1211: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 246.87 ft (75.246 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 12, 1939, nonrecording gage, and Dec. 12, 1939, to July 19, 1979, water-stage recorder, at site 500 ft (152 m) downstream at present datum.

REMARKS.--Records good. Some regulation since Oct. 31, 1943, by Lake Texoma (Texas), 241 mi (388 km) upstream, capacity, 5,392,900 acre-ft (6,650 hm^3), since Sept. 28, 1967, by Pat Mayse Lake (Texas), capacity, 352,700 acre-ft (435 hm^3), and since Jan. 18, 1974, by Hugo Lake (Oklahoma) capacity, 966,700 acre-ft (1,190 hm^3).

AVERAGE DISCHARGE.--46 years, 11,750 ft^3/s (333 m^3/s), 8,513,000 acre-ft/yr (10,500 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 297,000 ft^3/s (8,410 m^3/s) Feb. 23, 1938, gage height, 34.25 ft (10.439 m); minimum, 378 ft^3/s (10.7 m^3/s) Nov. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 115,000 ft^3/s (3,260 m^3/s) May 16, gage height, 22.20 ft (6.767 m); minimum daily, 1,510 ft^3/s (42.8 m^3/s) Oct. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3180	72100	7070	5920	15200	16400	7510	4790	57600	44100	6840	3730
2	3370	78300	7450	6220	41400	22200	7870	5160	60600	37800	9930	3360
3	3390	88600	15100	6170	45200	23000	8420	5480	63200	51100	16100	2750
4	3800	92000	21900	5750	45700	20400	9410	5040	67000	57300	16800	2440
5	3740	79900	20400	5480	49300	16700	10800	4390	68600	55900	14000	2760
6	3210	66200	17000	4950	50200	14300	11600	3820	66400	53300	10300	3260
7	2890	63100	13500	4600	46000	13300	10900	3360	62700	51600	8540	3640
8	2550	65300	11400	4550	41300	12200	9070	4270	62100	51600	8330	3820
9	2140	61900	10500	5180	37300	10500	6700	5140	65200	52900	8370	3370
10	1760	57700	9050	5350	33300	9810	5690	5610	66500	57000	8350	2710
11	1570	65200	7860	5170	28600	8980	5450	6550	63900	59000	6740	2370
12	1510	62900	7060	5590	24000	7320	5650	7840	64100	56600	5480	2230
13	1600	49600	6570	5930	19800	6160	6310	7620	63300	53900	5100	2390
14	2100	41200	6260	6270	15700	5690	6040	42800	61300	50900	5730	2860
15	2470	36700	6100	9240	12900	5840	5000	90300	57100	45600	6070	2910
16	19200	32600	6090	10800	12100	7120	3930	111000	63000	38900	5830	2840
17	40900	27900	5870	9130	11500	7750	3930	101000	78200	26900	5450	2730
18	50200	23200	5300	6850	11100	11200	4900	60800	82400	18700	5280	2510
19	67900	19100	5550	5380	12600	15300	5970	46000	75300	15200	4880	3010
20	78800	17000	5700	4720	16300	16600	6750	54800	58900	13800	4330	3540
21	76700	16000	6370	4390	17600	13400	6060	64500	53600	13100	4840	3980
22	74300	14400	8370	3780	16200	9550	4700	64900	58400	12700	5420	4500
23	77900	11500	8810	3690	14100	8360	3280	62400	62600	12300	4480	4200
24	79500	9830	8100	4850	11400	8620	3160	64700	63800	12100	4480	3070
25	79100	9070	6970	8100	8420	7560	3240	71100	62100	11100	4630	2510
26	75000	8550	6710	11500	6160	6140	3580	77200	59900	9350	4380	2860
27	72300	8080	7630	11800	6570	6460	4860	82500	58600	8730	4230	2610
28	72100	7670	8110	10200	8630	6620	5590	80500	59700	8470	4510	2240
29	72400	7380	7030	8660	---	6860	5520	68200	60300	8460	4390	2260
30	72400	7270	6260	8620	---	7470	4790	56900	56300	8470	4480	2870
31	72800	---	5900	10100	---	7230	---	54400	---	7060	4210	---
TOTAL	1120780	1200250	275990	208940	658580	339040	186680	1323070	1902700	1003940	212500	90330
MEAN	36150	40010	8903	6740	23520	10940	6223	42680	63420	32390	6855	3011
MAX	79500	92000	21900	11800	50200	23000	11600	111000	82400	59000	16800	4500
MIN	1510	7270	5300	3690	6160	5690	3160	3360	53600	7060	4210	2230
AC-FT	2223000	2381000	547400	414400	1306000	672500	370300	2624000	3774000	1991000	421500	179200

CAL YR 1981 TOTAL 4695980 MEAN 12870 MAX 92000 MIN 1510 AC-FT 9314000
WTR YR 1982 TOTAL 8522800 MEAN 23350 MAX 111000 MIN 1510 AC-FT 16900000

07337000 RED RIVER AT INDEX, AR--CONTINUED
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-1956, April 1980 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January to September 1981.
WATER TEMPERATURE: January to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (FTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
NOV 09...	1200	80513	80010	64200	820	7.5	15.0	200	9.0	89
JAN 20...	1030	80513	80010	4780	800	7.6	4.0	34	12.4	95
MAR 10...	1030	80513	80010	9900	300	7.9	11.0	85	10.2	93
MAY 12...	1100	80513	80010	8750	795	8.0	23.0	68	7.9	92
JUL 14...	1100	80513	80010	50400	640	7.5	28.0	170	5.9	76
SEP 01...	1130	80513	80010	3340	930	8.2	30.0	16	6.7	89

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
NOV 09...	K430	370	160	81	44	11	112	60	3.9	3.6
JAN 20...	K13	K30	190	73	54	14	77	46	2.6	3.8
MAR 10...	160	146	100	17	31	5.6	24	33	1.1	2.6
MAY 12...	120	40	200	68	56	14	77	45	2.5	4.1
JUL 14...	147	133	150	62	43	11	54	43	2.0	3.8
SEP 01...	5	38	250	77	70	17	99	46	2.9	5.2

DATE	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
NOV 09...	74	84	150	.2	6.0	442	427	.60	76600
JAN 20...	120	81	130	.2	6.7	456	439	.62	5890
MAR 10...	83	34	29	.1	7.5	212	184	.29	5670
MAY 12...	130	87	120	.3	3.2	463	440	.63	10900
JUL 14...	91	62	87	.2	3.3	384	319	.52	52300
SEP 01...	168	92	130	.2	5.1	566	520	.77	5100

07337000 RED RIVER AT INDEX, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 09...	.30	.080	.10	.40	.300	.040	656	114000	1
JAN 20...	.44	.120	.15	.44	.100	.030	70	903	85
MAR 10...	.41	.130	.17	.93	.140	.040	249	6660	66
MAY 12...	.25	.110	.14	.96	.180	.020	279	6590	70
JUL 14...	.14	.090	.12	.60	.100	.030	1150	156000	53
SEP 01...	<.10	.050	.06	.80	.130	.060	33	298	71

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
NOV 09...	1200	3	1	300	200	120	<1	--	1	30
JAN 20...	1030	2	1	200	100	100	1	--	<1	20
JUL 14...	1100	3	1	200	70	130	1	0	1	20
SEP 01...	1130	4	4	200	30	170	1	--	<1	10

DATE	TIME	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
NOV 09...	1200	--	<10	7	--	<1	24	20	4	12000	12000
JAN 20...	1030	10	10	<1	--	<1	11	8	3	770	730
JUL 14...	1100	10	10	8	7	1	19	14	5	20000	20000
SEP 01...	1130	0	10	1	0	4	6	0	6	620	590

DATE	TIME	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY SUSPENDED RECOVERABLE (UG/L AS HG) (71895)	MERCURY DISSOLVED (UG/L AS HG) (71890)
NOV 09...	1200	36	13	11	2	390	390	2	.2	--	<.1
JAN 20...	1030	38	9	--	<1	80	50	34	<.1	--	<.1
JUL 14...	1100	46	9	5	4	390	390	4	.4	.3	.1
SEP 01...	1130	29	5	0	5	140	130	13	<.1	--	<.1

07337000 RED RIVER AT INDEX, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
NOV 09...	1200	<1	<1	<1	<1	80	70	15
JAN 20...	1030	<1	<1	<1	<1	50	40	10
JUL 14...	1100	<1	<1	<1	<1	100	80	20
SEP 01...	1130	<1	<1	<1	<1	20	10	9

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR

LOCATION.--Lat 34°05'53", long 94°22'51", in SW 1/4 NW 1/4 sec.2, T.8 S., R.32 W., Sevier County, Hydrologic Unit 11140109, at DeQueen Dam on Rolling Fork about 4.2 mi (6.8 km) northwest of DeQueen, and at mile 22.8 (36.7 km).

DRAINAGE AREA.--169 mi^2 (438 km^2).

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT								
13...	1650	80513	.00	43	6.4	22.0	66.0	4.4
13...	1652	80513	10.0	43	6.4	22.0	--	4.3
13...	1654	80513	20.0	43	6.3	21.5	--	3.7
13...	1656	80513	30.0	52	6.1	21.0	--	.1
13...	1658	80513	40.0	80	6.1	20.0	--	.1
13...	1700	80513	46.0	86	6.2	19.0	--	.0
13...	1702	80513	50.0	93	6.2	18.5	--	.0
13...	1705	80513	55.0	104	6.2	18.0	--	.0
NOV								
23...	1440	80513	.00	42	6.5	15.0	60.0	7.2
23...	1442	80513	10.0	42	6.4	14.5	--	7.1
23...	1444	80513	20.0	42	6.4	14.0	--	6.9
23...	1446	80513	30.0	42	6.4	14.0	--	6.8
23...	1448	80513	40.0	42	6.3	14.0	--	6.9
23...	1450	80513	50.0	42	6.3	14.0	--	7.0
23...	1452	80513	60.0	42	6.3	14.0	--	7.0
23...	1455	80513	62.0	42	6.3	14.0	--	7.0
DEC								
22...	1510	80513	.00	40	6.7	9.0	60.0	9.5
22...	1512	80513	10.0	40	6.7	9.0	--	9.6
22...	1514	80513	20.0	40	6.6	9.0	--	9.6
22...	1516	80513	30.0	40	6.6	9.0	--	9.6
22...	1518	80513	40.0	40	6.6	8.5	--	9.6
22...	1520	80513	50.0	40	6.6	8.0	--	9.6
22...	1523	80513	60.0	40	6.6	8.0	--	9.6
22...	1525	80513	69.0	40	6.6	8.0	--	9.6
JAN								
19...	1505	80513	.00	39	7.1	6.5	90.0	11.1
19...	1508	80513	10.0	39	7.0	5.5	--	11.0
19...	1510	80513	20.0	39	7.0	5.0	--	10.9
19...	1513	80513	30.0	39	7.0	5.0	--	10.9
19...	1515	80513	40.0	39	7.0	5.0	--	10.9
19...	1518	80513	50.0	39	6.9	5.0	--	11.0
19...	1520	80513	60.0	39	6.9	5.0	--	11.0
FEB								
11...	0820	80513	.00	36	6.6	5.0	43.0	11.6
11...	0822	80513	10.0	36	6.7	5.0	--	11.5
11...	0824	80513	20.0	36	6.7	5.0	--	11.5
11...	0826	80513	30.0	36	6.7	5.5	--	11.5
11...	0828	80513	40.0	36	6.6	5.5	--	11.6
11...	0830	80513	50.0	36	6.6	5.5	--	11.6
11...	0832	80513	60.0	36	6.6	5.5	--	11.7
11...	0835	80513	66.0	36	6.6	5.5	--	11.7
MAR								
09...	1410	80513	.00	35	6.8	10.0	50.0	10.7
09...	1415	80513	10.0	35	6.8	9.5	--	10.6
09...	1420	80513	20.0	35	6.7	9.0	--	10.3
09...	1425	80513	30.0	36	6.5	8.0	--	9.8
09...	1430	80513	40.0	36	6.4	7.0	--	9.2
09...	1435	80513	50.0	37	6.3	6.5	--	9.0
09...	1440	80513	56.0	37	6.3	6.0	--	8.8
APR								
13...	1420	80513	.00	39	6.7	17.0	47.0	9.1
13...	1422	80513	2.00	39	6.8	16.0	--	9.2
13...	1424	80513	10.0	39	6.8	15.0	--	8.8
13...	1426	80513	20.0	39	6.6	14.5	--	8.2
13...	1428	80513	30.0	39	6.4	13.5	--	7.6
13...	1430	80513	35.0	40	6.3	12.5	--	6.6
13...	1432	80513	40.0	40	6.2	11.5	--	6.3
13...	1434	80513	45.0	40	6.1	10.5	--	6.1
13...	1436	80513	50.0	41	6.1	10.0	--	5.9
13...	1440	80513	60.0	42	6.1	9.0	--	5.1

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY								
11...	1440	80513	.00	36	8.7	22.0	48.0	9.6
11...	1442	80513	5.00	36	8.8	21.0	--	9.9
11...	1444	80513	7.00	35	8.2	20.0	--	9.0
11...	1446	80513	10.0	35	7.8	19.5	--	8.8
11...	1448	80513	14.0	35	6.9	18.5	--	7.3
11...	1450	80513	16.0	36	6.3	17.5	--	5.9
11...	1452	80513	18.0	36	6.1	16.5	--	4.8
11...	1454	80513	20.0	36	6.0	16.0	--	4.5
11...	1456	80513	25.0	36	6.1	15.0	--	4.9
11...	1458	80513	30.0	36	6.1	14.0	--	5.2
11...	1500	80513	40.0	37	6.0	13.5	--	4.4
11...	1502	80513	50.0	39	5.9	12.5	--	2.7
11...	1505	80513	55.0	41	5.9	11.5	--	1.8
JUN								
15...	1435	80513	.00	35	7.4	27.0	49.2	8.2
15...	1436	80513	7.00	36	6.9	26.0	--	6.8
15...	1438	80513	10.0	38	6.3	25.0	--	3.1
15...	1440	80513	15.0	38	5.9	24.0	--	1.2
15...	1442	80513	20.0	38	6.0	23.0	--	1.1
15...	1444	80513	30.0	38	5.9	22.0	--	1.7
15...	1446	80513	35.0	38	5.9	21.0	--	2.1
15...	1448	80513	40.0	38	5.9	20.0	--	2.0
15...	1449	80513	50.0	39	5.9	19.5	--	1.5
15...	1450	80513	60.0	44	5.9	18.5	--	.1

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUN										
03...	1145	80513	80010	3.00	60	.020	<.010	.06	35.0	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL								
13...	1430	80513	.00	30	7.6	31.0	70.8	7.0
13...	1432	80513	10.0	32	6.6	30.0	--	6.4
13...	1434	80513	13.0	32	5.7	29.0	--	.5
13...	1436	80513	14.0	36	5.5	27.0	--	.0
13...	1438	80513	16.0	38	5.5	26.0	--	.0
13...	1440	80513	20.0	38	5.5	25.0	--	.0
13...	1442	80513	25.0	40	5.5	24.0	--	.0
13...	1444	80513	30.0	40	5.7	23.0	--	.0
13...	1446	80513	40.0	44	5.7	22.5	--	.0
13...	1448	80513	50.0	52	5.8	21.5	--	.0
13...	1450	80513	55.0	58	5.9	21.0	--	.0

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
13...	1431	80513	80010	3.00	55	.020	<.010	.06	6.80	<.100

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG								
11...	1600	80513	.00	44	8.0	31.0	72.0	8.0
11...	1602	80513	5.00	44	8.0	30.0	--	8.1
11...	1604	80513	10.0	42	6.9	29.0	--	4.5
11...	1606	80513	17.0	42	5.9	28.0	--	.4
11...	1608	80513	20.0	44	5.8	28.0	--	.0
11...	1610	80513	28.0	56	5.8	27.0	--	.0
11...	1612	80513	30.0	56	5.8	26.0	--	.0
11...	1614	80513	35.0	58	5.8	25.0	--	.0
11...	1616	80513	40.0	62	5.8	24.0	--	.0
11...	1620	80513	45.0	70	5.8	23.0	--	.0
SEP								
15...	1510	80513	.00	47	7.0	28.0	54.0	7.1
15...	1512	80513	3.00	47	6.9	28.0	--	7.1
15...	1514	80513	10.0	47	6.9	28.0	--	7.1
15...	1516	80513	20.0	47	6.7	27.5	--	6.7
15...	1518	80513	23.0	48	6.3	27.0	--	.1
15...	1520	80513	25.0	56	6.0	26.5	--	.0
15...	1522	80513	27.0	68	6.0	25.5	--	.0
15...	1524	80513	30.0	70	6.0	24.5	--	.0
15...	1526	80513	34.0	76	6.1	23.5	--	.0
15...	1528	80513	40.0	85	6.1	22.5	--	.0
15...	1530	80513	45.0	100	6.2	21.5	--	.0
15...	1532	80513	50.0	118	6.2	20.5	--	.0
15...	1535	80513	57.0	192	6.3	19.5	--	.0

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP										
15...	1511	80513	80010	3.00	57	.010	<.010	.03	7.30	3.70

07339452 ROLLING FORK BELOW DEQUEEN LAKE NEAR DEQUEEN, AR

LOCATION.--Lat 34°05'51", long 94°22'50", in SW 1/4 NW 1/4 sec.2, T.8 S., R.32 W., Sevier County, Hydrologic Unit 11140109, at DeQueen Dam about 4.2 mi (6.8 km) northwest of DeQueen, and at mile 22.8 (36.7 km).

DRAINAGE AREA.--169 mi^2 (438 km^2).

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT						
13...	1630	80513	45	7.0	22.0	8.0
NOV						
23...	1420	80513	42	6.6	14.5	9.9
DEC						
22...	1445	80513	40	6.8	9.5	7.8
JAN						
19...	1445	80513	40	7.0	5.5	12.2
FEB						
11...	0745	80513	36	6.6	5.5	13.0
MAR						
09...	1450	80513	36	6.5	8.0	11.6
APR						
13...	1340	80513	39	6.9	15.5	9.6
MAY						
11...	1415	80513	36	7.5	22.0	8.4
JUN						
15...	1410	80513	40	6.1	23.0	7.9
JUL						
13...	1415	80513	36	6.7	30.5	7.1
AUG						
11...	1545	80513	44	6.7	30.0	7.0
SEP						
15...	1445	80513	49	6.6	28.0	7.3

07339850 ROLLING FORK NEAR HORATIO, AR

LOCATION.--Lat 33°57'19", long 94°24'03", in SW 1/4 sec.27 T.9 S., R.32 W., Sevier County, Hydrologic Unit 11140109, at bridge on State Highway 24, 1.5 mi (2.4 km) downstream from Bear Creek, and 3.0 mi (4.8 km) west of Horatio.

DRAINAGE AREA.--356 mi^2 (922 km^2).

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT 13...	0930	9827	9827	7.1	24.0	19.0	3.6	7.1	76	1.1	36
NOV 03...	0950	9827	9827	7.1	16.0	15.0	20	9.0	88	.9	230
DEC 15...	0940	9827	9827	7.1	5.0	6.0	5.0	10.8	86	.8	40
JAN 19...	0930	9827	9827	7.2	9.0	2.0	20	13.1	95	.6	24
FEB 16...	0920	9827	9827	--	14.0	8.0	6.0	10.7	90	.7	72
MAR 16...	0900	9827	9827	6.9	21.0	14.0	20	9.5	--	1.7	92
APR 13...	0910	9827	9827	6.6	21.0	15.0	9.0	9.1	89	1.5	54
MAY 18...	0915	9827	9827	6.5	22.0	16.0	30	--	--	1.5	80
JUN 22...	0900	9827	9827	6.7	24.0	22.0	10	7.5	85	1.5	84
JUL 13...	0930	9827	9827	6.8	26.0	26.0	9.2	7.4	90	--	30
AUG 10...	0930	9827	9827	6.6	26.0	25.0	6.2	6.4	76	1.8	28
SEP 07...	0910	9827	9827	6.8	23.0	22.0	5.0	5.8	66	1.3	<4

DATE	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 13...	20	2.0	11	53	.07	3	--	.010	<.010	<.010
NOV 03...	26	3.0	4.0	45	.06	17	.14	.090	.050	<.010
DEC 15...	20	4.0	7.0	46	.06	4	.15	.020	.010	<.010
JAN 19...	16	6.0	10	53	.07	9	.13	<.010	--	.010
FEB 16...	22	--	8.0	55	.07	55	.24	.050	--	.010
MAR 16...	12	5.0	4.5	42	.06	12	.16	.040	<.010	.010
APR 13...	24	--	7.0	--	--	--	.13	--	.020	<.010
MAY 18...	12	4.0	2.5	51	.07	34	.20	.070	--	<.010
JUN 22...	16	2.0	--	46	.06	11	.21	.080	.020	<.010
JUL 13...	20	5.0	16	25	.03	10	.24	.060	.030	--
AUG 10...	22	6.0	21	71	.10	8	.36	.060	--	.010
SEP 07...	40	4.0	24	73	.10	4	.13	.040	.040	.010

07339850 ROLLING FORK NEAR HORATIO, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
13...	0930	6	<1	<1	<10	--	<5	17
NOV								
03...	0950	<5	<1	--	--	--	<5	--
DEC								
15...	0940	6	<1	<1	<10	--	<5	24
JAN								
19...	0930	<5	<1	2	12	--	<5	32
FEB								
16...	0920	24	<1	2	--	--	<5	56
MAR								
16...	0900	11	<1	<1	--	--	<5	33
APR								
13...	0910	<5	<1	<1	17	--	<5	--
MAY								
18...	0915	<5	<1	<1	--	--	<5	--
JUN								
22...	0900	<5	<1	<1	<10	--	--	--
JUL								
13...	0930	<5	<1	<1	25	<1.0	<5	59
AUG								
10...	0930	<5	<1	1	10	--	<5	--
SEP								
07...	0910	<5	<1	<1	--	--	<5	--

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
15...	0940	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
16...	0900	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
22...	0900	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
07...	0910	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07340000 LITTLE RIVER NEAR HORATIO, AR

LOCATION.--Lat 33°55'10", long 94°23'15", in NE 1/4 sec.10, T.10 S., R.32 W., Sevier County, Hydrologic Unit 11140109, near left bank on downstream side of bridge on State Highway 41, 0.9 mi (1.4 km) downstream from Rolling Fork, 2.0 mi (3.2 km) southwest of Horatio, 28.5 mi (45.9 km) upstream from Cossatot River, and at mile 72.0 (115.8 km).

DRAINAGE AREA.--2,662 mi^2 (6,895 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 858: 1932, 1935-36. WSP 1211: 1931, drainage area. WSP 1561: 1932. WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 272.89 ft (83.177 m) National Geodetic Vertical Datum of 1929. Prior to Feb. 5, 1935, nonrecording gage, and Feb. 5, 1935, to Sept. 13, 1961, water-stage recorder, at site 50 ft (15 m) upstream at present datum.

REMARKS.--Records good. Some regulation since Oct. 3, 1968, by Broken Bow Lake (Oklahoma), 31.4 mi (50.5 km) upstream, capacity, 1,368,000 acre-ft (1,690 hm^3), and since June 1, 1969, by Pine Creek Lake (Oklahoma), 73.3 mi (117.9 km) upstream, capacity, 465,800 acre-ft (574 hm^3).

AVERAGE DISCHARGE.--52 years, 3,740 ft^3/s (106 m^3/s), 2,710,000 acre-ft/yr (3,340 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 120,000 ft^3/s (3,400 m^3/s) Mar. 30, 1945, gage height, 37.70 ft (11.491 m), from rating curve extended above 93,000 ft^3/s (2,630 m^3/s); minimum, 1.0 ft^3/s (0.028 m^3/s) Aug. 18 to Sept. 1, 1934.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1915, reached a stage of 38.0 ft (11.58 m), discharge, 124,000 ft^3/s (3,510 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,500 ft^3/s (722 m^3/s) May 14, gage height, 26.95 ft (8.214 m); minimum daily, 211 ft^3/s (5.98 m^3/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	830	4780	720	826	10000	4480	2650	1810	16700	2060	1790	1810
2	580	10600	2150	519	11300	4880	3410	799	13800	2090	4260	1520
3	370	8040	3700	387	11400	5810	7140	543	12900	1850	4190	526
4	297	4940	3100	408	10200	6610	8410	1180	14100	1130	3470	459
5	282	4620	2800	1030	11100	8170	4720	715	14200	778	3120	348
6	297	4540	2700	2140	12100	7970	4630	601	13000	717	3010	392
7	304	3940	1200	2060	10400	5580	5370	591	14900	1270	2790	337
8	370	2780	1410	2790	9210	4080	5300	706	15900	872	897	618
9	336	2420	2080	2070	9020	5180	4230	551	16100	983	454	402
10	360	2080	2570	976	10500	5260	1800	417	16100	1070	569	446
11	325	1310	2450	3190	11200	4640	1060	1000	16000	820	1020	986
12	263	899	2150	5860	10700	3970	808	992	15100	825	1170	454
13	322	833	1370	3730	10400	3280	1740	7480	12300	877	844	239
14	1980	788	907	2690	7140	1760	1460	22900	12400	1270	434	897
15	3390	719	1520	1160	3970	3760	842	22800	13000	1360	312	1140
16	2000	626	1750	665	2970	6770	1440	18000	14500	1330	290	444
17	4480	594	1550	572	4610	6790	1510	13300	15500	1490	1240	290
18	3520	582	1610	550	6630	6280	1150	9440	12600	857	1710	550
19	2780	558	2030	536	8190	5730	1060	11000	10300	585	1330	399
20	2250	526	1930	596	8460	5040	1180	13000	9120	1120	2300	242
21	2810	669	1410	1060	5590	2390	1660	14100	7980	1550	1400	435
22	3740	582	1240	3040	3430	1690	2710	14800	6860	1480	1020	341
23	4440	394	1600	6100	3380	2620	3200	13600	4450	1270	844	468
24	4420	418	1060	4920	4150	2550	2910	11500	3300	1410	1110	371
25	3340	406	633	4850	3710	2140	3140	13900	2850	1100	744	558
26	2880	368	520	6830	4470	2850	1950	15000	2780	947	360	397
27	3080	390	373	5800	5400	2790	2070	15200	1260	1210	550	217
28	3120	399	349	5360	5560	1890	2490	14700	1190	1860	917	433
29	2600	426	1010	4060	---	3280	3570	15400	2620	1530	451	352
30	2320	351	1040	3860	---	3040	1720	16200	2190	1180	265	211
31	1680	---	1060	5660	---	3610	---	17300	---	1620	461	---
TOTAL	59766	60578	49992	84295	215190	134890	85330	289525	314000	38511	43322	16282
MEAN	1928	2019	1613	2719	7685	4351	2844	9340	10470	1242	1397	543
MAX	4480	10600	3700	6830	12100	8170	8410	22900	16700	2090	4260	1810
MIN	263	351	349	387	2970	1690	808	417	1190	585	265	211
AC-FT	118500	120200	99160	167200	426800	267600	169300	574300	622800	76390	85930	32300

CAL YR 1981 TOTAL 1097750 MEAN 3008 MAX 18600 MIN 263 AC-FT 2177000
WTR YR 1982 TOTAL 1391681 MEAN 3813 MAX 22900 MIN 211 AC-FT 2760000

07340000 LITTLE RIVER NEAR HORATIO, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954-59, 1969-78, October 1979 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1953 to September 1959.
WATER TEMPERATURES: October 1953 to September 1959.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT 13...	0915	9827	9827	7.0	25.0	22.0	2.7	8.0	91	1.4	20
NOV 03...	0800	9827	9827	7.1	14.0	15.0	40	7.8	76	1.6	390
DEC 15...	0915	9827	9827	7.2	3.0	7.0	9.0	10.6	87	.8	4
JAN 19...	0900	9827	9827	7.3	9.0	2.0	15	12.1	88	1.5	150
FEB 16...	0900	9827	9827	7.1	16.0	7.0	20	11.2	92	.5	32
MAR 16...	0830	9827	9827	7.1	22.0	14.0	35	9.5	--	1.7	230
APR 13...	0850	9827	9827	7.0	21.0	15.0	10	9.0	88	1.2	8
MAY 18...	0900	9827	9827	6.8	22.0	19.0	45	--	--	1.4	180
JUN 22...	0845	9827	9827	6.6	23.0	20.0	20	7.9	86	1.4	84
JUL 13...	0945	9827	9827	6.8	27.0	27.0	15	6.7	83	--	12
AUG 10...	0910	9827	9827	6.8	26.0	26.0	8.8	7.1	86	2.0	24
SEP 07...	0850	9827	9827	6.7	23.0	23.0	6.0	7.6	87	1.0	8

DATE	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 13...	18	.3	13	60	.08	4	.15	.200	.050	<.010
NOV 03...	32	5.0	6.5	72	.10	36	.18	.050	.080	.020
DEC 15...	26	6.0	9.5	54	.07	16	.21	.050	.030	.010
JAN 19...	26	6.0	17	83	.11	10	.19	.230	--	.010
FEB 16...	18	--	6.0	43	.06	20	.21	.080	--	.010
MAR 16...	12	6.0	4.5	62	.08	34	.15	.050	.060	.020
APR 13...	30	--	13	--	--	--	.18	--	.040	.010
MAY 18...	24	6.0	3.5	65	.09	100	.17	.070	--	.010
JUN 22...	16	2.0	--	60	.08	36	.18	.070	.040	.010
JUL 13...	22	10	15	69	.09	6	.33	.080	.050	--
AUG 10...	24	6.0	15	69	.09	12	.26	.120	--	.030
SEP 07...	10	4.0	12	61	.08	9	.11	.080	.030	.010

07340000 LITTLE RIVER NEAR HORATIO, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
13...	0915	<5	<1	3	11	--	<5	21
NOV								
03...	0800	<5	<1	--	--	--	9	29
DEC								
15...	0915	7	<1	4	22	--	6	65
JAN								
19...	0900	<5	<1	2	18	--	<5	64
FEB								
16...	0900	19	1	1	--	--	<5	82
MAR								
16...	0830	<5	<1	<1	--	--	<5	62
APR								
13...	0850	5	<1	2	25	--	<5	--
MAY								
18...	0900	<5	<1	2	--	--	<5	--
JUN								
22...	0845	<5	<1	25	27	--	--	--
JUL								
13...	0945	<5	<1	5	15	<1.0	<5	42
AUG								
10...	0910	<5	<1	5	11	--	<5	--
SEP								
07...	0850	<5	<1	3	--	--	<5	--

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT											
13...	0915	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JAN											
19...	0900	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
13...	0850	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
13...	0945	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07340300 COSSATOT RIVER NEAR VANDERVOORT, AR
(Hydrologic bench-mark station)

LOCATION.--Lat 34°22'46", long 94°14'08", in SE 1/4 NE 1/4 sec.30, T.4 S., R.30 W., Polk County, Hydrologic Unit 11140109, near left bank on downstream side of bridge on State Highway 246, 0.3 mi (0.5 km) downstream from Brushy Creek, 3.2 mi (4.1 km) upstream from Flat Creek, and 7.5 mi (12.1 km) east of Vandervoort.

DRAINAGE AREA.--89.6 mi^2 (232.1 km^2).

PERIOD OF RECORD.--June 1967 to current year.

REVISED RECORDS.--WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 771.88 ft (235.269 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--15 years, 192 ft^3/s (5.44 m^3/s), 29.10 in/yr (739 mm/yr), 139,100 acre-ft/yr (172 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,500 ft^3/s (892 m^3/s) Dec. 9, 1971, gage height, 19.35 ft (5.898 m), from rating curve extended above 11,000 ft^3/s (312 m^3/s) on the basis of step-backwater computations; minimum, 7.2 ft^3/s (0.20 m^3/s) Aug. 28, 29, 30, 31, 1972, gage height, 1.67 ft (0.509 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 6, 1961, reached a stage of about 23.0 ft (7.01 m) from information by local resident, discharge, about 48,000 ft^3/s (1,400 m^3/s).

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 5,000 ft^3/s (142 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Feb. 16	1200	*5,660	160	9.88	3.011
May 13	2200	5,240	148	9.60	2.926

Minimum discharge, 11 ft^3/s (0.30 m^3/s) Oct. 2-7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	1850	242	27	645	348	79	61	390	88	84	18
2	11	628	157	34	403	310	1400	60	234	57	56	17
3	11	319	119	81	307	248	991	54	174	44	39	16
4	11	211	94	82	243	286	431	50	1630	37	29	16
5	11	156	78	77	205	247	282	45	538	32	25	16
6	11	121	70	74	167	237	194	49	294	29	22	14
7	11	98	65	66	143	230	154	71	196	31	23	13
8	12	84	60	57	140	215	136	55	143	34	32	13
9	14	75	53	52	161	190	115	46	111	28	31	12
10	15	65	48	49	155	169	99	40	93	25	26	12
11	14	58	45	51	152	153	87	36	82	23	23	12
12	14	53	43	56	165	141	80	80	126	21	22	13
13	16	49	41	55	209	126	76	2690	86	20	22	13
14	298	45	42	53	210	824	71	1690	67	20	20	13
15	94	43	38	50	188	697	67	846	64	19	18	13
16	723	41	36	49	2250	389	177	412	599	18	17	25
17	1080	38	34	48	1080	265	173	248	263	17	18	30
18	843	37	32	48	494	202	155	175	164	17	18	19
19	270	35	30	44	309	168	381	137	119	17	16	16
20	158	33	30	43	229	146	357	112	92	16	15	16
21	110	31	32	48	184	123	238	94	80	19	14	15
22	111	31	37	949	151	105	178	150	73	42	14	14
23	143	31	38	950	127	93	142	784	58	25	14	14
24	118	30	33	421	111	87	120	675	50	22	13	13
25	113	29	30	267	107	81	111	339	52	37	13	14
26	224	29	30	188	113	72	102	620	51	103	12	13
27	178	28	30	151	105	66	86	332	44	53	13	13
28	135	27	30	128	173	62	75	330	49	34	35	13
29	106	27	28	115	---	59	75	264	62	42	24	12
30	86	195	27	997	---	64	65	186	59	139	20	12
31	83	---	27	1690	---	77	---	473	---	114	19	---
TOTAL	5036	4497	1699	7000	8926	6480	6697	11204	6043	1223	747	450
MEAN	162	150	54.8	226	319	209	223	361	201	39.5	24.1	15.0
MAX	1080	1850	242	1690	2250	824	1400	2690	1630	139	84	30
MIN	11	27	27	27	105	59	65	36	44	16	12	12
CFSM	1.81	1.67	.61	2.52	3.56	2.33	2.49	4.03	2.24	.44	.27	.17
IN.	2.09	1.87	.71	2.91	3.71	2.69	2.78	4.65	2.51	.51	.31	.19
AC-FT	9990	8920	3370	13880	17700	12850	13280	22220	11990	2430	1480	893

CAL YR 1981	TOTAL	55443	MEAN 152	MAX 2040	MIN 11	CFSM 1.70	IN 23.02	AC-FT	110000	
WTR YR 1982	TOTAL	60002	MEAN 164	MAX 2690	MIN 11	CFSM 1.83	IN 24.91	AC-FT	119000	

07340450 GILLHAM LAKE NEAR GILLHAM, AR

LOCATION.--Lat 34°12'37", long 94°13'44", in SE 1/4 SE 1/4 sec.30, T.6 S., R.30 W., Howard County, Hydrologic Unit 11140109, at Gillham Dam on Cossatot River, 6.0 mi (9.6 km) northeast of Gillham, and at mile 49.0 (78.8 km).

DRAINAGE AREA.--273 mi^2 (707 km^2).

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT								
14...	0830	80513	.00	39	6.1	22.0	62.0	3.8
14...	0832	80513	10.0	39	6.1	22.0	--	3.7
14...	0834	80513	20.0	39	6.1	22.0	--	3.4
14...	0836	80513	30.0	40	6.1	22.0	--	3.1
14...	0838	80513	40.0	41	6.1	22.0	--	2.6
14...	0840	80513	50.0	78	6.1	21.0	--	.1
14...	0842	80513	53.0	101	6.2	20.0	--	.0
14...	0845	80513	56.0	104	6.2	19.5	--	.0
NOV								
23...	1250	80513	.00	38	6.6	14.0	48.0	8.4
23...	1252	80513	10.0	38	6.6	14.0	--	8.1
23...	1254	80513	20.0	38	6.5	14.0	--	7.7
23...	1256	80513	30.0	39	6.5	14.0	--	7.1
23...	1258	80513	40.0	40	6.4	13.5	--	5.8
23...	1300	80513	50.0	41	6.3	13.5	--	5.3
23...	1302	80513	60.0	42	6.2	13.5	--	4.8
23...	1305	80513	64.0	43	6.2	13.5	--	4.8
DEC								
22...	1350	80513	.00	36	6.8	9.5	47.0	9.5
22...	1352	80513	10.0	36	6.7	9.0	--	9.4
22...	1354	80513	20.0	36	6.6	9.0	--	9.4
22...	1356	80513	30.0	36	6.6	9.0	--	9.4
22...	1358	80513	40.0	36	6.6	8.5	--	9.6
22...	1400	80513	50.0	36	6.6	8.5	--	9.6
22...	1403	80513	60.0	36	6.6	8.5	--	9.5
22...	1405	80513	62.0	36	6.6	8.5	--	9.5
JAN								
19...	1350	80513	.00	38	7.1	6.0	54.0	11.0
19...	1353	80513	10.0	38	7.0	5.0	--	11.0
19...	1355	80513	20.0	38	7.0	5.0	--	10.9
19...	1356	80513	30.0	38	7.0	5.0	--	10.9
19...	1358	80513	40.0	38	6.9	5.0	--	10.9
19...	1400	80513	48.0	38	6.9	5.0	--	10.9
FEB								
11...	0930	80513	.00	32	6.5	5.5	16.0	10.8
11...	0932	80513	10.0	32	6.5	5.5	--	10.8
11...	0934	80513	20.0	32	6.5	5.5	--	10.8
11...	0936	80513	30.0	32	6.5	5.5	--	10.8
11...	0938	80513	40.0	32	6.5	5.5	--	10.9
11...	0940	80513	50.0	32	6.5	5.5	--	10.9
11...	0945	80513	58.0	33	6.5	5.5	--	10.9
MAR								
09...	1315	80513	.00	28	6.8	10.5	23.0	10.5
09...	1320	80513	10.0	28	6.7	10.0	--	10.5
09...	1325	80513	20.0	29	6.6	9.5	--	10.4
09...	1330	80513	30.0	30	6.6	9.0	--	10.2
09...	1335	80513	40.0	31	6.5	8.0	--	10.2
09...	1340	80513	48.0	32	6.5	7.0	--	9.9
APR								
14...	0820	80513	.00	31	6.9	17.0	34.0	9.1
14...	0825	80513	6.00	31	6.8	16.0	--	8.9
14...	0830	80513	10.0	31	6.7	15.0	--	8.4
14...	0835	80513	20.0	30	6.6	14.0	--	8.0
14...	0840	80513	30.0	30	6.5	13.5	--	7.8
14...	0845	80513	40.0	31	6.5	13.0	--	7.6
14...	0850	80513	48.0	32	6.4	12.0	--	6.9
MAY								
11...	1250	80513	.00	30	7.2	22.5	49.2	8.6
11...	1252	80513	6.00	30	7.2	21.5	--	8.6
11...	1254	80513	8.00	31	6.9	20.5	--	8.5
11...	1256	80513	10.0	31	6.6	19.5	--	7.9
11...	1258	80513	13.0	31	6.2	18.5	--	6.9
11...	1300	80513	15.0	31	6.1	17.5	--	6.1
11...	1302	80510	17.0	31	6.1	16.5	--	5.8
11...	1304	80513	20.0	32	6.1	16.0	--	5.6
11...	1306	80513	26.0	32	6.2	15.0	--	6.0
11...	1308	80513	30.0	32	6.2	14.5	--	5.8
11...	1309	80513	40.0	33	6.1	14.0	--	5.4
11...	1310	80513	49.0	35	6.0	13.5	--	4.5

07340450 GILLHAM LAKE NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUN								
16...	0840	80513	.00	33	6.9	26.5	70.8	7.5
16...	0842	80513	10.0	33	6.9	26.5	--	7.4
16...	0844	80513	13.0	33	6.9	25.5	--	6.4
16...	0846	80513	15.0	33	6.9	24.5	--	5.7
16...	0848	80513	20.0	33	6.7	23.5	--	4.7
16...	0850	80513	25.0	32	6.7	22.5	--	4.3
16...	0852	80513	30.0	32	6.6	21.5	--	4.2
16...	0854	80513	40.0	31	6.6	20.5	--	4.6
16...	0856	80513	45.0	31	6.5	19.5	--	4.8
16...	0858	80513	50.0	31	6.5	19.0	--	4.6
16...	0859	80513	56.0	32	6.3	18.0	--	4.1
16...	0900	80513	60.0	36	6.2	17.0	--	1.9

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN										
03...	1240	80513	80010	3.00	60	.020	<.010	.06	4.50	<.100

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUL								
13...	1300	80513	.00	35	7.6	31.0	78.0	7.1
13...	1302	80513	10.0	34	6.9	30.0	--	7.0
13...	1304	80513	11.0	34	6.6	29.0	--	6.9
13...	1306	80513	13.0	34	6.3	28.0	--	6.0
13...	1308	80513	15.0	34	6.0	27.0	--	3.0
13...	1310	80513	16.0	34	5.8	25.5	--	1.7
13...	1312	80513	19.0	34	5.7	24.5	--	.5
13...	1314	80513	20.0	34	5.7	24.0	--	.5
13...	1316	80513	25.0	34	5.7	23.0	--	.5
13...	1318	80513	30.0	34	5.7	22.0	--	.8
13...	1320	80513	40.0	36	5.7	21.0	--	1.0
13...	1322	80513	47.0	40	5.7	20.0	--	.3
13...	1325	80513	50.0	44	5.7	19.0	--	.0

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUL										
13...	1301	80513	80010	3.00	50	.010	<.010	.03	4.50	<.100

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)
AUG								
11...	1440	80513	.00	42	8.1	30.5	78.0	7.8
11...	1442	80513	5.00	42	8.2	29.5	--	8.0
11...	1444	80513	10.0	42	8.0	29.0	--	7.4
11...	1446	80513	17.0	42	6.1	28.0	--	.0
11...	1448	80513	20.0	48	6.0	27.0	--	.0
11...	1450	80513	22.0	48	6.0	26.0	--	.0
11...	1452	80513	25.0	44	5.9	25.0	--	.0
11...	1454	80513	30.0	44	5.9	24.0	--	.0
11...	1456	80513	33.0	44	5.9	23.0	--	.0
11...	1458	80513	35.0	46	5.9	22.0	--	.0
11...	1500	80513	40.0	48	5.9	21.5	--	.0
11...	1502	80513	50.0	60	6.1	20.5	--	.0
11...	1505	80513	54.0	62	6.1	20.0	--	.0

07340450 GILLHAM LAKE NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP								
16...	0840	80513	.00	41	7.2	27.5	48.0	7.2
16...	0842	80513	3.00	41	7.2	27.5	--	7.2
16...	0844	80513	10.0	41	7.2	27.5	--	7.0
16...	0846	80513	20.0	40	6.9	27.0	--	3.1
16...	0848	80513	30.0	44	6.6	26.5	--	.1
16...	0850	80513	35.0	64	6.9	25.5	--	.1
16...	0852	80513	38.0	74	7.0	24.5	--	.1
16...	0854	80513	40.0	74	7.0	23.5	--	.1
16...	0856	80513	42.0	86	7.0	22.5	--	.1
16...	0858	80513	44.0	90	6.8	21.5	--	.1
16...	0859	80513	47.0	108	6.8	20.5	--	.0
16...	0900	80513	49.0	122	6.8	19.5	--	.0

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP									
16...	0841	80513	80010	3.00	49	<.010	.010	8.40	<.100

07340452 COSSATOT RIVER BELOW GILLHAM DAM NEAR GILLHAM, AR

LOCATION.--Lat 34°12'32", long 94°13'40", in SE 1/4 SE 1/4 sec.30, T.6 S., R.30 W., Howard County, Hydrologic Unit 11140109 at Gillham Dam, 6.0 mi (9.6 km) northeast of Gillham, and at mile 49.0 (78.8 km).

DRAINAGE AREA.--273 mi^2 (707 km^2).

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT						
14...	0810	80513	41	6.1	22.0	7.7
NOV						
23...	1230	80513	37	6.7	14.0	9.6
DEC						
22...	1330	80513	37	6.9	11.0	11.4
JAN						
19...	1330	80513	39	7.0	6.0	12.3
FEB						
11...	0900	80513	32	6.7	5.5	13.0
MAR						
09...	1255	80513	30	6.7	9.0	11.2
APR						
14...	0750	80513	32	6.6	14.5	9.7
MAY						
11...	1225	80513	32	6.3	18.5	8.9
JUN						
16...	0750	80513	32	6.5	23.0	7.7
JUL						
13...	1230	80513	42	6.5	28.0	7.0
AUG						
11...	1420	80513	42	6.1	23.0	7.0
SEP						
16...	0800	80513	72	6.5	24.0	5.5

07340520 COSSATOT RIVER NEAR LOCKESBURG, AR

LOCATION.--Lat 33°58'17", long 94°13'20", in NW 1/4 sec.20, T.9 S., R.30 W., Sevier County, Hydrologic Unit 11140109, at bridge on State Highway 24, 3.1 mi (5.0 km) west of Lockesburg.

DRAINAGE AREA.--385 mi^2 (997 km^2).

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT 13...	1000	9827	9827	49	7.3	22.0	20.0	6.0	8.2	89	2.7
NOV 03...	0950	9827	9827	1630	7.2	16.0	15.0	20	9.2	90	.9
DEC 15...	1020	9827	9827	109	7.1	3.0	6.0	2.8	11.1	89	.8
JAN 19...	1000	9827	9827	--	7.2	6.0	2.0	5.0	12.7	92	.6
FEB 16...	0945	9827	9827	692	6.9	15.0	8.0	20	11.0	92	.5
MAR 16...	0920	9827	9827	1480	7.0	24.0	13.0	20	10.4	98	2.0
APR 13...	0930	9827	9827	307	6.6	21.0	16.0	10	9.2	92	1.2
MAY 18...	0945	9827	9827	2790	6.5	23.0	16.0	25	--	--	1.5
JUN 22...	0940	9827	9827	--	6.7	24.0	22.0	20	7.3	83	1.1
JUL 13...	0900	9827	9827	64	6.8	26.0	26.0	5.0	7.8	95	--
AUG 10...	1000	9827	9827	799	6.7	27.0	24.0	6.2	8.3	98	2.0
SEP 07...	0930	9827	9827	24	6.8	24.0	24.0	4.0	7.5	88	1.9

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 13...	48	16	2.0	4.0	35	.05	9	--	.010	.010	<.010
NOV 03...	510	24	1.0	4.0	47	.06	16	.14	.040	.050	<.010
DEC 15...	24	16	4.0	4.5	28	.04	2	.09	.020	<.010	<.010
JAN 19...	44	16	4.0	5.0	46	.06	4	.13	.010	--	.010
FEB 16...	42	16	--	3.5	39	.05	12	.22	.050	--	.010
MAR 16...	260	12	4.0	2.5	41	.06	14	.13	.050	.020	.010
APR 13...	32	--	--	2.5	--	--	--	.13	--	.020	<.010
MAY 18...	130	14	4.0	2.5	47	.06	23	.14	.060	--	<.010
JUN 22...	520	14	1.0	--	54	.07	22	.27	.060	.030	.010
JUL 13...	50	18	4.0	5.0	36	.05	3	.20	.040	.020	--
AUG 10...	64	16	4.0	6.0	44	.06	7	.08	.050	--	<.010
SEP 07...	10	32	3.0	4.5	44	.06	6	.16	.060	.230	.010

07340520 COSSATOT RIVER NEAR LOCKESBURG, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
13...	1000	<5	<1	<1	17	--	<3	7
NOV								
03...	0950	<5	<1	--	--	--	<5	26
DEC								
15...	1020	15	<1	3	<10	--	<5	30
JAN								
19...	1000	7	<1	2	11	--	<5	43
FEB								
16...	0945	<5	<1	<1	--	--	<5	68
MAR								
16...	0920	7	<1	<1	--	--	<5	99
APR								
13...	0930	<5	<1	<1	16	--	<5	--
MAY								
18...	0945	<5	<1	<1	--	--	<5	--
JUN								
22...	0940	<5	<1	<1	14	--	--	--
JUL								
13...	0900	<5	<1	<1	19	<1.0	<5	53
AUG								
10...	1000	<5	<1	<1	10	--	<5	--
SEP								
07...	0930	<5	<1	<1	--	--	<5	--

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV											
03...	0950	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB											
16...	0945	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
18...	0945	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
10...	1000	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07340990 DIERKS LAKE NEAR DIERKS, AR

LOCATION.--Lat 34°08'39", long 94°05'53", in NE 1/4 NW 1/4 sec.21, T.7 S., R.29 W., Howard County, Hydrologic Unit 11140109, at Dierks Dam on Saline River, 3.1 mi (5.0 km) upstream from Bluff Creek, 5.0 mi (8.0 km) northwest of Dierks, and at mile 56.6 (91.1 km).

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

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT								
14...	1020	80513	.00	43	6.1	22.0	60.0	1.9
14...	1025	80513	10.0	43	6.0	21.5	--	1.4
14...	1030	80513	20.0	44	5.9	21.5	--	.1
14...	1035	80513	30.0	53	5.9	21.5	--	.0
14...	1040	80513	40.0	72	5.9	21.0	--	.0
14...	1045	80513	50.0	84	5.9	20.5	--	.0
14...	1050	80513	60.0	104	6.0	19.5	--	.0
14...	1055	80513	66.0	112	6.0	19.0	--	.0
NOV								
23...	1130	80513	.00	47	6.6	14.5	62.0	6.5
23...	1132	80513	10.0	47	6.6	14.5	--	6.3
23...	1134	80513	20.0	47	6.6	14.5	--	6.2
23...	1136	80513	30.0	47	6.6	14.5	--	5.9
23...	1138	80513	40.0	47	6.6	14.0	--	5.9
23...	1140	80513	50.0	47	6.6	14.0	--	5.8
23...	1142	80513	60.0	47	6.6	14.0	--	6.0
23...	1145	80513	63.0	47	6.6	14.0	--	6.1
DEC								
22...	1210	80513	.00	45	6.9	10.0	56.0	8.6
22...	1212	80513	10.0	45	6.7	9.5	--	8.4
22...	1214	80513	20.0	45	6.7	9.5	--	8.4
22...	1216	80513	30.0	45	6.7	9.0	--	8.6
22...	1218	80513	40.0	45	6.7	9.0	--	8.9
22...	1220	80513	50.0	45	6.7	9.0	--	9.0
22...	1222	80513	60.0	45	6.6	9.0	--	9.1
22...	1224	80513	70.0	45	6.6	8.5	--	9.2
22...	1225	80513	72.0	45	6.6	8.5	--	9.2
JAN								
19...	1220	80513	.00	47	7.0	6.0	61.2	9.7
19...	1223	80513	10.0	47	7.0	5.5	--	9.6
19...	1226	80513	20.0	47	7.0	5.5	--	9.6
19...	1230	80513	30.0	47	6.9	5.5	--	9.6
19...	1232	80513	40.0	48	6.9	5.5	--	9.6
19...	1235	80513	50.0	48	6.9	5.0	--	9.8
19...	1238	80513	60.0	48	6.9	5.0	--	9.9
19...	1240	80513	63.0	48	6.9	5.0	--	10.0
FEB								
11...	1030	80513	.00	43	6.8	5.5	25.0	10.7
11...	1032	80513	10.0	43	6.8	5.5	--	10.6
11...	1034	80513	20.0	43	6.7	5.5	--	10.6
11...	1036	80513	30.0	43	6.6	5.5	--	10.6
11...	1038	80513	40.0	43	6.6	5.5	--	10.6
11...	1040	80513	50.0	43	6.6	5.5	--	10.6
11...	1042	80513	60.0	43	6.6	5.5	--	10.6
11...	1045	80513	68.0	43	6.6	5.5	--	10.6
MAR								
09...	1125	80513	.00	41	7.0	10.0	24.0	10.7
09...	1126	80513	10.0	41	6.9	9.0	--	10.4
09...	1128	80513	20.0	41	6.9	9.0	--	10.4
09...	1130	80513	30.0	42	6.7	8.0	--	8.8
09...	1132	80513	40.0	42	6.6	7.0	--	8.2
09...	1134	80513	50.0	43	6.5	6.5	--	8.1
09...	1136	80513	60.0	43	6.5	6.5	--	8.1
09...	1138	80513	70.0	43	6.5	6.5	--	8.1
09...	1140	80513	72.0	43	6.5	6.5	--	8.0
APR								
14...	1130	80513	.00	39	6.9	16.0	32.0	9.0
14...	1135	80513	10.0	40	6.9	15.0	--	8.5
14...	1140	80513	20.0	40	6.6	14.0	--	7.3
14...	1145	80513	25.0	41	6.4	13.0	--	5.9
14...	1150	80513	30.0	41	6.3	12.5	--	5.4
14...	1155	80513	37.0	42	6.2	11.5	--	4.9

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY								
11...	1100	80513	.00	40	8.4	22.5	62.4	9.4
11...	1102	80513	5.00	40	8.4	21.5	--	9.4
11...	1104	80513	8.00	39	8.1	20.5	--	9.4
11...	1106	80513	9.00	39	7.6	19.5	--	9.3
11...	1108	80513	10.0	39	6.5	18.0	--	7.2
11...	1110	80513	13.0	40	6.1	17.0	--	5.5
11...	1112	80513	15.0	40	6.0	16.0	--	4.9
11...	1114	80513	20.0	40	6.0	15.0	--	4.0
11...	1116	80513	25.0	40	5.9	14.0	--	4.1
11...	1118	80513	30.0	40	5.9	13.5	--	4.3
11...	1120	80513	40.0	41	5.9	13.0	--	3.5
11...	1122	80513	50.0	43	5.8	12.0	--	1.9
11...	1124	80513	60.0	48	5.8	11.0	--	.3
11...	1125	80513	69.0	52	5.9	10.5	--	.1
JUN								
16...	1100	80513	.00	38	7.0	26.5	54.0	7.2
16...	1102	80513	10.0	38	6.9	26.5	--	7.1
16...	1104	80513	12.0	38	6.6	25.5	--	6.7
16...	1106	80513	13.0	39	6.6	24.5	--	4.6
16...	1108	80513	16.0	39	6.5	23.5	--	2.3
16...	1110	80513	20.0	39	6.4	22.5	--	1.4
16...	1112	80513	22.0	38	6.4	21.5	--	.7
16...	1114	80513	25.0	38	6.4	20.5	--	.5
16...	1116	80513	28.0	38	6.4	19.5	--	.4
16...	1118	80513	30.0	38	6.5	18.5	--	.6
16...	1120	80513	32.0	38	6.5	17.5	--	.6
16...	1122	80513	36.0	38	6.5	16.5	--	.8
16...	1124	80513	40.0	38	6.4	16.0	--	1.1
16...	1126	80513	50.0	38	6.2	15.0	--	.7
16...	1128	80513	60.0	43	6.0	14.0	--	.2
16...	1130	80513	68.0	46	5.9	13.5	--	.1

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUN										
03...	1400	80513	80010	3.00	68	.020	<.010	.06	7.30	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL								
13...	1020	80513	.00	42	8.1	30.0	80.4	7.2
13...	1022	80513	10.0	42	7.9	30.0	--	7.0
13...	1024	80513	12.0	43	6.8	29.0	--	5.6
13...	1026	80513	13.0	44	6.2	27.0	--	1.0
13...	1028	80513	14.0	44	6.1	25.5	--	.3
13...	1030	80513	15.0	44	6.0	24.5	--	.1
13...	1032	80513	17.0	44	6.0	23.5	--	.1
13...	1034	80513	20.0	44	5.9	22.5	--	.1
13...	1036	80513	25.0	44	5.9	21.5	--	.0
13...	1038	80513	30.0	44	5.9	21.0	--	.0
13...	1040	80513	40.0	50	6.0	20.0	--	.0
13...	1042	80513	50.0	58	6.3	19.0	--	.0
13...	1044	80513	60.0	68	6.4	18.0	--	.0
13...	1045	80513	64.0	74	6.4	17.0	--	.0

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUL										
13...	1021	80513	80010	3.00	64	.020	<.010	.06	9.90	<.100

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)
AUG								
11...	1245	80513	.00	44	8.5	30.5	66.0	7.6
11...	1246	80513	5.00	44	8.7	29.5	--	7.8
11...	1248	80513	10.0	42	7.2	28.5	--	6.9
11...	1250	80513	11.0	42	6.6	27.5	--	1.0
11...	1252	80513	15.0	42	6.1	26.5	--	.2
11...	1254	80513	16.0	46	6.1	25.5	--	.1
11...	1256	80513	17.0	46	6.1	24.5	--	.1
11...	1258	80513	18.0	46	6.0	23.5	--	.0
11...	1300	80513	20.0	46	6.0	22.5	--	.0
11...	1302	80513	24.0	46	5.9	21.5	--	.0
11...	1304	80513	30.0	48	5.9	20.5	--	.0
11...	1306	80513	35.0	52	6.0	19.5	--	.0
11...	1308	80513	40.0	56	6.1	19.0	--	.0
11...	1310	80513	50.0	66	6.2	18.0	--	.0
11...	1312	80513	60.0	70	6.3	17.0	--	.0
11...	1314	80513	70.0	100	6.4	16.0	--	.0
11...	1315	80513	74.0	106	6.4	15.5	--	.0
SEP								
16...	1000	80513	.00	40	7.5	27.5	62.4	7.6
16...	1002	80513	3.00	40	7.5	27.5	--	7.6
16...	1004	80513	10.0	40	7.1	27.0	--	7.1
16...	1006	80513	15.0	40	6.5	26.0	--	2.1
16...	1008	80513	17.0	42	6.3	25.0	--	.1
16...	1010	80513	18.0	44	6.3	24.0	--	.0
16...	1012	80513	20.0	50	6.3	23.0	--	.0
16...	1014	80513	22.0	50	6.3	22.0	--	.0
16...	1016	80513	26.0	44	6.3	21.0	--	.0
16...	1018	80513	30.0	52	6.3	20.0	--	.0
16...	1020	80513	35.0	58	6.4	19.0	--	.0
16...	1022	80513	40.0	66	6.4	18.5	--	.0
16...	1023	80513	50.0	80	6.5	17.5	--	.0
16...	1024	80513	60.0	92	6.3	16.5	--	.0
16...	1025	80513	62.0	100	6.5	16.5	--	.0

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
SEP									
16...	1001	80513	80010	3.00	62	<.010	<.010	4.30	<.100

07340992 SALINE RIVER BELOW DIERKS DAM, NEAR DIERKS, AR

LOCATION.--Lat 34°08'37", long 94°05'53", in sec.21, T.7 S., R.29 W., Howard County, Hydrologic Unit 11140109, at Dierks Dam, 3.1 mi (5.0 km) upstream from Bluff Creek, 5.0 mi (8.0 km) northwest of Dierks, and at mile 56.6 (91.1 km).

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

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT						
14...	1110	80513	55	6.3	21.5	8.6
NOV						
23...	1100	80513	47	6.5	14.5	9.4
DEC						
22...	1140	80513	48	6.7	10.0	10.6
JAN						
19...	1130	80513	48	6.8	6.5	11.4
FEB						
11...	1100	80513	43	7.1	5.5	13.1
MAR						
09...	1050	80513	43	6.7	7.5	12.4
APR						
14...	1030	80513	40	6.9	15.0	9.5
MAY						
11...	1015	80513	41	6.9	20.0	9.0
JUN						
16...	1150	80513	50	6.9	23.0	6.0
JUL						
13...	1105	80513	48	6.8	29.5	6.8
AUG						
11...	1200	80513	46	6.9	29.5	6.4
SEP						
16...	0930	80513	41	7.0	27.0	7.4

07341200 SALINE RIVER NEAR LOCKESBURG, AR

LOCATION.--Lat 33°57'43", long 94°03'40", in NW 1/4 SE 1/4 sec.23, T.9 S., R.29 W., Sevier County, Hydrologic Unit 11140109, near right bank on downstream side of bridge on State Highway 24, 2.0 mi (3.2 km) downstream from Brushy Creek, 6.0 mi (9.7 km) east of Lockesburg, and at mile 30.0 (48.3 km).

DRAINAGE AREA.--256 mi^2 (663 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1963 to current year.

REVISED RECORDS.--WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 300.00 ft (91.440 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good. Some regulation since May 1975 by Dierks Lake (station 07340990), 26.6 mi (43 km) upstream.

AVERAGE DISCHARGE.--19 years, 382 ft^3/s (10.8 m^3/s), 276,800 acre-ft/yr (341 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 64,700 ft^3/s (1,830 m^3/s) May 14, 1968, gage height, 20.86 ft (6.358 m), from rating curve extended above 23,000 ft^3/s (651 m^3/s) on basis of contracted-opening measurement of peak flow; minimum, 0.20 ft^3/s (0.006 m^3/s) Nov. 6, 1963, Oct. 29, 1969.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 6 or 7, 1961, reached a stage of about 25.6 ft (7.83 m), from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,800 ft^3/s (164 m^3/s) June 16, gage height, 15.64 ft (4.767 m); minimum daily, 3.9 ft^3/s (0.11 m^3/s) Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	182	90	24	1400	552	37	116	740	622	48	22
2	5.4	316	82	36	550	454	306	99	193	567	64	22
3	6.2	326	51	89	879	410	2250	96	463	187	32	27
4	5.6	330	41	160	812	492	499	91	2160	115	26	26
5	5.4	416	35	149	858	654	259	86	1450	101	24	22
6	5.6	418	31	138	930	890	833	77	291	90	23	21
7	5.6	213	31	163	916	608	918	74	181	84	24	21
8	5.0	187	31	157	914	325	904	87	630	81	45	21
9	6.2	186	30	117	731	902	888	55	689	61	50	20
10	11	107	30	106	782	912	739	40	654	35	35	20
11	11	59	38	101	763	863	710	34	504	32	28	20
12	9.6	34	38	75	742	456	697	32	493	30	24	20
13	8.5	32	30	53	737	239	285	506	202	27	24	21
14	19	31	28	50	668	166	210	1050	109	26	23	24
15	25	30	28	48	639	200	200	541	429	24	23	23
16	26	29	27	53	693	390	1050	415	3750	24	22	23
17	274	27	26	53	819	646	512	343	2270	23	21	25
18	93	27	25	52	465	279	189	348	350	22	21	24
19	51	26	25	53	734	187	530	832	492	21	20	21
20	187	25	25	63	610	153	656	854	531	21	20	21
21	239	24	27	208	555	143	671	827	572	20	20	20
22	193	24	29	210	535	132	809	424	915	20	48	19
23	326	25	29	540	519	122	792	379	746	19	29	19
24	227	25	29	237	782	89	643	370	823	20	23	19
25	189	25	27	156	867	56	603	227	813	19	22	19
26	227	25	26	771	886	48	619	309	804	19	21	19
27	221	25	27	844	620	42	548	1130	791	19	21	19
28	184	24	26	834	722	39	219	393	790	18	38	19
29	171	24	25	826	---	36	167	250	1660	24	36	19
30	115	32	25	671	---	36	161	128	373	33	26	18
31	69	---	24	2740	---	38	---	380	---	31	23	---
TOTAL	2925.0	3254	1036	9777	21128	10559	17904	10593	24868	2435	904	634
MEAN	94.4	108	33.4	315	755	341	597	342	829	78.5	29.2	21.1
MAX	326	418	90	2740	1400	912	2250	1130	3750	622	64	27
MIN	3.9	24	24	24	465	36	37	32	109	18	20	18
AC-FT	5800	6450	2050	19390	41910	20940	35510	21010	49330	4830	1790	1260

CAL YR 1981 TOTAL 127103.2 MEAN 348 MAX 6660 MIN 3.9 AC-FT 252100
WTR YR 1982 TOTAL 106017.0 MEAN 290 MAX 3750 MIN 3.9 AC-FT 210300

07341200 SALINE RIVER NEAR LOCKESBURG, AR--CONTINUED

WATER-QUALITY RECORDS

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
13...	1030	9827	9827	8.3	7.3	21.0	19.0	15	5.7	61	1.0
NOV											
03...	1020	9827	9827	359	7.4	16.0	14.0	30	8.4	81	1.2
DEC											
15...	1045	9827	9827	28	7.2	6.0	5.0	6.4	10.3	80	.9
JAN											
19...	1030	9827	9827	53	7.3	4.0	1.0	20	12.9	91	.8
FEB											
16...	1015	9827	9827	637	7.0	15.0	8.0	35	10.9	92	1.0
MAR											
16...	0945	9827	9827	410	7.3	24.0	15.0	25	8.8	--	1.9
APR											
13...	1000	9827	9827	235	6.8	21.0	12.0	10	9.5	88	1.5
MAY											
18...	1000	9827	9827	314	6.9	23.0	20.0	20	--	--	1.6
JUN											
22...	1012	9827	9827	968	6.8	24.0	20.0	50	7.5	82	3.1
JUL											
13...	0830	9827	9827	27	6.9	26.0	25.0	15	6.3	75	--
AUG											
10...	1050	9827	9827	34	6.9	30.0	25.0	15	6.2	74	1.8
SEP											
07...	1000	9827	9827	21	7.0	24.0	22.0	8.0	6.2	70	1.4

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
13...	60	28	6.0	9.0	72	.10	6	--	.040	.030	.020
NOV											
03...	88	32	6.0	6.5	77	.10	18	.18	.030	.070	.010
DEC											
15...	44	28	6.0	6.5	50	.07	4	.13	.040	.020	<.010
JAN											
19...	64	24	8.0	9.0	68	.09	4	.20	.040	--	.010
FEB											
16...	48	22	--	6.5	46	.06	18	.34	.080	--	.010
MAR											
16...	890	30	9.0	6.0	69	.09	15	.19	.030	.010	.020
APR											
13...	>600	20	--	4.0	--	--	--	.35	--	.040	<.010
MAY											
18...	160	20	6.0	4.0	55	.07	27	.26	.020	--	.010
JUN											
22...	--	20	2.0	--	76	.10	62	.21	.030	.060	.020
JUL											
13...	20	26	5.0	5.5	58	.08	4	.23	.050	.040	--
AUG											
10...	100	20	7.0	8.5	67	.09	9	.11	.120	--	.010
SEP											
07...	4	36	5.0	6.0	54	.07	8	.16	.090	.040	.020

07341200 SALINE RIVER NEAR LOCKESBURG, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
13...	1030	5	<1	1	<10	--	<5	27
NOV								
03...	1020	<5	<1	--	--	--	<5	19
DEC								
15...	1045	<5	<1	<1	<10	--	<5	37
JAN								
19...	1030	7	<1	3	<10	--	<5	36
FEB								
16...	1015	<5	<1	<1	--	--	<5	48
MAR								
16...	0945	7	<1	<1	--	--	<5	42
APR								
13...	1000	<5	<1	<1	17	--	<5	--
MAY								
18...	1000	<5	<1	2	--	--	<5	65
JUN								
22...	1012	<5	<1	6	15	--	--	--
JUL								
13...	0830	<5	1	<1	18	<1.0	<5	36
AUG								
10...	1050	<5	<1	1	<10	--	<5	--
SEP								
07...	1000	<5	<1	<1	--	--	<5	--

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
FEB											
16...	1015	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
18...	1000	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07341300 MILLWOOD LAKE NEAR ASHDOWN, AR

LOCATION.--Lat 33°41'28", long 93°57'53", in NW 1/4 sec.26, T.12 S., R.28 W., Little River County, Hydrologic Unit 11140109, at Millwod Dam on Little River, 9.2 mi (14.8 km) east of Ashdown, 9.6 mi (15.4 km) upstream from Hudson Creek, and at mile 16.0 (25.7 km).

DRAINAGE AREA.--4,119 mi^2 (10,670 km^2).

PERIOD OF RECORD.--April 1981 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT								
14...	1340	80513	.00	63	7.4	21.5	36.0	9.0
14...	1345	80513	10.0	63	7.2	21.0	--	8.3
14...	1350	80513	20.0	63	7.1	20.5	--	8.0
14...	1355	80513	30.0	64	7.0	20.5	--	7.6
14...	1400	80513	35.0	64	6.8	20.0	--	6.5
NOV								
23...	1640	80513	.00	61	7.7	13.0	23.0	10.8
23...	1645	80513	10.0	63	7.6	12.5	--	9.9
23...	1650	80513	20.0	63	7.5	12.5	--	9.6
23...	1655	80513	26.0	63	7.3	12.5	--	9.6
DEC								
23...	1020	80513	.00	72	7.5	6.5	22.0	12.2
23...	1022	80513	10.0	71	7.5	6.5	--	12.2
23...	1024	80513	20.0	71	7.5	6.5	--	12.1
23...	1026	80513	30.0	71	7.6	6.5	--	12.1
23...	1100	80513	35.0	72	7.6	6.5	--	12.1
JAN								
20...	0850	80513	.00	66	7.1	1.5	27.6	13.9
20...	0852	80513	10.0	66	7.1	1.5	--	13.9
20...	0855	80513	20.0	66	7.1	1.5	--	14.0
20...	0857	80513	30.0	66	7.1	1.5	--	14.1
20...	0900	80513	35.0	66	7.1	1.5	--	14.1
FEB								
10...	1410	80513	.00	52	6.8	4.0	17.0	12.4
10...	1415	80513	10.0	52	6.8	4.0	--	12.4
10...	1420	80513	20.0	53	6.9	4.0	--	12.5
10...	1425	80513	30.0	54	6.9	4.0	--	12.5
10...	1430	80513	36.0	54	6.8	4.0	--	12.6
MAR								
10...	0830	80513	.00	67	7.3	10.5	25.0	10.9
10...	0835	80513	10.0	67	7.3	10.0	--	11.1
10...	0840	80513	20.0	67	7.3	10.0	--	11.0
10...	0845	80513	30.0	67	7.3	10.0	--	10.9
10...	0850	80513	34.0	66	7.2	10.0	--	10.9
APR								
13...	1110	80513	.00	61	7.3	15.0	36.0	9.5
13...	1115	80513	10.0	60	7.2	14.5	--	9.6
13...	1120	80513	20.0	59	7.2	14.5	--	9.6
13...	1125	80513	30.0	59	7.1	14.0	--	9.5
13...	1130	80513	35.0	59	7.1	14.0	--	9.2
MAY								
12...	0850	80513	.00	66	7.2	22.0	39.6	8.0
12...	0852	80513	10.0	66	7.0	21.5	--	6.9
12...	0854	80513	14.0	63	6.8	20.5	--	6.0
12...	0856	80513	20.0	61	6.7	19.5	--	5.3
12...	0858	80513	30.0	61	6.7	19.5	--	5.0
12...	0900	80513	35.0	61	6.6	19.0	--	4.5
JUN								
15...	1120	80513	.00	49	6.5	25.5	44.4	5.7
15...	1125	80513	10.0	48	6.5	24.5	--	4.1
15...	1130	80513	20.0	45	6.3	23.5	--	3.7
15...	1135	80513	30.0	43	6.1	23.0	--	3.7
15...	1140	80513	40.0	42	6.1	23.0	--	3.7
15...	1145	80513	42.0	42	6.1	23.0	--	3.7

07341300 MILLWOOD LAKE NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUN										
03...	1000	80513	80010	3.00	42	.040	.030	.12	26.0	6.70

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL								
14...	0950	80513	.00	66	6.9	29.5	36.0	6.6
14...	0955	80513	10.0	68	6.4	29.0	--	2.4
14...	1000	80513	15.0	70	6.2	28.0	--	.3
14...	1005	80513	20.0	76	6.2	27.0	--	.0
14...	1010	80513	27.0	84	6.3	26.0	--	.0

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
14...	0951	80513	80010	3.00	27	.040	<.010	.12	26.0	2.70

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG								
12...	0900	80513	.00	66	6.8	29.5	38.4	7.6
12...	0902	80513	10.0	68	6.7	29.0	--	3.5
12...	0904	80513	17.0	68	6.4	28.0	--	1.9
12...	0906	80513	20.0	64	6.4	28.0	--	2.1
12...	0908	80513	25.0	62	6.4	28.0	--	2.0
12...	0909	80513	30.0	62	6.4	27.5	--	1.8
12...	0910	80513	34.0	64	6.4	27.5	--	1.5
SEP								
15...	1300	80513	.00	61	8.3	28.5	39.6	8.4
15...	1305	80513	3.00	61	8.1	28.0	--	8.3
15...	1310	80513	6.00	61	8.1	27.5	--	8.3
15...	1315	80513	10.0	61	7.3	27.0	--	7.0
15...	1320	80513	20.0	64	6.9	26.5	--	4.0
15...	1325	80513	30.0	66	6.7	26.5	--	3.4
15...	1330	80513	34.0	66	6.7	26.5	--	3.3

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP										
15...	1301	80513	80010	3.00	34	.030	.020	.09	7.70	2.90

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR
(National stream-quality accounting network station)

LOCATION.--Lat 33°41'28", long 93°57'53", in NW 1/4 sec.26, T.12 S., R.28 W., Little River County, Hydrologic Unit 11140109, at Millwood Dam, 9.2 mi (14.8 km) upstream from Hudson Creek, and at mile 16.0 (25.7 km).

DRAINAGE AREA.--4,119 mi^2 (10,670 km^2).

PERIOD OF RECORD.--April 1979 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1979 to September 1980.
WATER TEMPERATURES: October 1979 to September 1980.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (FTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
14...	1310	80513	--	--	63	7.2	21.5	--	9.8	--
NOV										
09...	1030	80513	80010	9600	61	7.6	16.0	7.5	10.3	105
23...	1615	80513	--	--	68	7.0	13.5	--	11.8	--
DEC										
23...	0930	80513	--	--	71	7.4	6.5	--	13.8	--
JAN										
20...	0940	80513	80010	595	67	7.1	2.0	9.0	15.1	109
FEB										
10...	1340	80513	--	--	44	6.5	4.0	--	14.0	--
MAR										
10...	0930	80513	80010	9900	64	7.2	10.0	16	12.4	110
APR										
13...	1040	80513	--	--	66	7.1	15.0	--	10.9	--
MAY										
12...	0940	80513	80010	790	65	7.0	21.5	6.7	9.1	103
JUN										
15...	1020	80513	--	--	49	6.5	24.5	--	6.8	--
JUL										
14...	0900	80513	80010	790	68	6.5	29.0	4.8	6.2	80
AUG										
12...	0840	80513	--	--	68	6.7	29.0	--	7.8	--
SEP										
01...	1100	80513	80010	400	69	7.0	29.0	3.5	7.6	87
15...	1200	80513	--	--	66	7.0	27.5	--	7.2	--

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
NOV										
09...	6	K5	19	1.0	5.3	1.3	3.4	27	.4	1.3
JAN										
20...	K7	K14	18	.00	5.0	1.3	5.3	37	.6	1.3
MAR										
10...	2	3	21	3.0	6.3	1.3	4.1	28	.4	1.2
MAY										
12...	K210	92	19	.00	5.5	1.3	3.9	29	.4	1.3
JUL										
14...	66	21	23	2.0	6.7	1.5	3.9	26	.4	1.2
SEP										
01...	10	21	19	.00	5.2	1.4	4.6	33	.5	1.4

07341301 LITTLE RIVER AT MILLWOOD DAM NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
NOV 09...	18	4.1	4.6	<.1	7.6	50	39	.07	1300
JAN 20...	20	3.3	6.3	<.1	4.4	68	41	.09	109
MAR 10...	18	6.3	4.2	<.1	6.7	60	41	.08	1600
MAY 12...	21	6.0	4.8	<.1	3.6	36	39	.05	76.8
JUL 14...	21	4.0	3.9	<.1	6.7	58	41	.08	124
SEP 01...	19	3.0	5.9	<.1	10	50	43	.07	54.0

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 09...	.18	.050	.06	.31	.060	.040	10	259	44
JAN 20...	.10	.050	.06	.28	.040	.010	7	11	61
MAR 10...	.21	.050	.06	.46	.040	.020	16	428	80
MAY 12...	<.10	.080	.10	.73	.040	.010	12	26	90
JUL 14...	<.10	.110	.14	.60	.060	.010	13	28	68
SEP 01...	<.10	.070	.09	.70	.050	.020	222	240	99

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
NOV 09...	1030	1	0	100	80	16	<1	--	1	20
JAN 20...	0940	1	0	100	90	11	1	--	<1	20
JUL 14...	0900	2	2	<100	--	17	1	0	1	<10
SEP 01...	1100	2	2	<100	--	13	4	--	<1	20

DATE	TIME	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
NOV 09...	1030	--	<10	<1	--	<1	9	4	5	430	230
JAN 20...	0940	10	10	<1	--	<1	8	5	3	540	380
JUL 14...	0900	--	<10	2	--	<1	3	1	2	800	600
SEP 01...	1100	10	10	4	0	4	3	0	3	480	430

07341301 LITTLE RIVER AT MILLWOOD DAM NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB) (01050)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN) (01054)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
NOV 09...	1030	200	7	4	3	60	60	5	<.1	<.1
JAN 20...	0940	160	1	--	<1	40	20	19	<.1	<.1
JUL 14...	0900	200	4	0	4	480	420	60	<.1	.1
SEP 01...	1100	55	4	0	4	290	290	1	<.1	<.1

DATE	TIME	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN) (01091)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
NOV 09...	1030	<1	<1	<1	<1	40	20	23
JAN 20...	0940	<1	<1	<1	<1	40	30	7
JUL 14...	0900	<1	<1	<1	<1	50	40	9
SEP 01...	1100	<1	<1	<1	<1	20	10	6

07344275 SULPHUR RIVER SOUTH OF TEXARKANA, AR
(National stream-quality accounting network station)

LOCATION.--Lat 33°14'32", long 93°59'58", in SE 1/4 SE 1/4 sec.28, T.17 S., R.28 W., Miller County, Hydrologic Unit 11140302, at bridge on State Highway 237, 13.5 mi (21.7 km) south of Texarkana.

DRAINAGE AREA.--3,540 mi^2 (9,170 km^2).

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1979 to September 1981.
WATER TEMPERATURES: July 1979 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (FTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)
NOV 09...	1300	80513	80010	195	7.5	14.0	14	6.6	68	78	120	64
JAN 20...	1230	80513	80010	216	7.3	4.5	14	10.5	81	K17	K12	69
MAR 10...	1200	80513	80010	450	7.7	12.0	24	10.3	95	320	40	100
MAY 12...	1310	80513	80010	270	7.0	26.0	67	7.6	94	K20	91	89
JUL 14...	1230	80513	80010	210	6.9	28.0	4.3	3.6	46	K33	131	78
SEP 01...	1300	80513	80010	220	7.7	31.5	37	5.7	78	14	41	82

DATE	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)
NOV 09...	6.0	22	2.1	13	29	.7	3.6	58	14	14	.2	8.9
JAN 20...	19	22	3.3	15	31	.8	2.7	50	20	23	.1	9.6
MAR 10...	30	34	3.7	57	54	2.6	4.3	70	57	63	.2	5.2
MAY 12...	25	29	4.0	19	31	.9	3.4	64	33	26	.2	3.8
JUL 14...	3.0	27	2.5	7.6	17	.4	3.2	75	12	8.1	.2	7.2
SEP 01...	6.0	28	2.9	11	22	.5	3.8	76	12	9.9	.2	8.9

DATE	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 09...	132	113	.18	.16	.070	.09	.36	.130	.070	18	65
JAN 20...	150	126	.20	.17	.140	.18	.66	.080	.020	14	87
MAR 10...	313	266	.43	.32	.120	.15	.64	.100	.030	42	64
MAY 12...	150	157	.20	<.10	.440	.57	1.30	.150	.020	90	98
JUL 14...	143	113	.19	<.10	.100	.13	.70	.120	.090	13	65
SEP 01...	142	123	.19	.18	.110	.14	1.00	.130	.040	79	93

07344275 SULPHUR RIVER SOUTH OF TEXARKANA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BARIUM, SUS-PENDED RECOV-ERABLE (UG/L AS BA) (01006)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
NOV 09...	1300	2	1	100	60	39	<1	<1	20
JAN 20...	1230	1	0	100	50	46	1	<1	20
JUL 14...	1230	4	4	<100	--	41	1	<1	<10
SEP 01...	1300	4	3	<100	--	56	2	<1	20

DATE	TIME	CHRO-MIUM, SUS-PENDED RECOV. (UG/L AS CR) (01031)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	COPPER, SUS-PENDED RECOV-ERABLE (UG/L AS CU) (01041)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044)
NOV 09...	1300	--	<10	<1	<1	10	4	6	400	280
JAN 20...	1230	10	10	<1	<1	7	3	4	1400	1000
JUL 14...	1230	--	<10	3	<1	11	2	9	430	370
SEP 01...	1300	10	10	2	<1	16	0	16	2500	2500

DATE	TIME	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LEAD, SUS-PENDED RECOV-ERABLE (UG/L AS PB) (01050)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN) (01054)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MERCURY SUS-PENDED RECOV-ERABLE (UG/L AS HG) (71895)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
NOV 09...	1300	120	2	0	2	60	50	11	<.1	--	<.1
JAN 20...	1230	370	4	--	<1	170	10	160	<.1	--	<.1
JUL 14...	1230	56	5	1	4	100	50	48	.1	.0	.1
SEP 01...	1300	23	5	4	1	340	340	3	<.1	--	<.1

DATE	TIME	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, SUS-PENDED RECOV-ERABLE (UG/L AS ZN) (01091)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)
NOV 09...	1300	<1	<1	<1	<1	50	40	13
JAN 20...	1230	<1	<1	<1	<1	50	30	22
JUL 14...	1230	<1	<1	<1	<1	90	70	16
SEP 01...	1300	<1	<1	<1	<1	20	10	6

07344300 DAYS CREEK SOUTHEAST OF TEXARKANA, AR

LOCATION.--Lat 33°19'06", long 94°00'16", in sec.33, T.16 S., R.28 W., Miller County, Hydrologic Unit 11140302, at bridge on State Highway 237, 4.4 mi (7.1 km) south of junction U.S. Highway 71 and State Highway 237, and 7.8 mi (12.6 km) southeast of Texarkana.

DRAINAGE AREA.--78.5 mi^2 (203 km^2).

PERIOD OF RECORD.--December 1973 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 13...	1230	9827	9827	22	7.4	31.0	22.0	15	1.9
NOV 03...	1230	9827	9827	45	7.0	22.0	16.0	30	5.5
DEC 15...	1315	9827	9827	25	7.5	15.0	10.0	8.4	6.9
JAN 19...	1200	9827	9827	30	7.3	16.0	6.0	15	7.6
FEB 16...	1200	9827	9827	35	7.2	21.0	12.0	20	6.2
MAR 16...	1130	9827	9827	32	7.3	25.0	21.0	15	6.0
APR 13...	1210	9827	9827	25	7.2	28.0	19.0	9.0	3.7
MAY 18...	1200	9827	9827	26	7.3	34.0	26.0	20	--
JUN 22...	1227	9827	9827	560	6.7	33.0	24.0	55	3.9
JUL 13...	1445	9827	9827	23	7.6	30.0	30.0	9.2	6.9
AUG 10...	1230	9827	9827	30	7.5	34.0	30.0	7.6	5.4
SEP 07...	1215	9827	9827	18	7.7	32.0	24.0	6.0	4.7

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT 13...	22	--	10	100	74	28	89	331	.45
NOV 03...	55	61	5.4	160	536	8.0	850	1550	2.1
DEC 15...	61	43	9.2	10	84	30	72	268	.36
JAN 19...	61	50	--	250	68	30	57	234	.32
FEB 16...	57	35	5.4	140	60	--	51	19	.03
MAR 16...	--	61	6.6	--	720	28	1300	2530	3.4
APR 13...	39	44	--	76	94	--	88	--	--
MAY 18...	--	49	6.4	68	68	34	64	257	.35
JUN 22...	46	45	8.8	--	32	8.0	--	136	.19
JUL 13...	91	43	--	400	82	32	140	400	.54
AUG 10...	71	58	11	290	82	32	170	454	.62
SEP 07...	55	63	12	16	76	42	130	438	.60

07344300 DAYS CREEK SOUTHEAST OF TEXARKANA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
13...	16	.04	11.5	.00	10.0	10	44	2.70	1.90
NOV									
03...	40	.80	2.30	.70	3.00	3.8	17	.500	.060
DEC									
15...	10	.58	7.10	.00	6.50	7.1	31	1.85	1.30
JAN									
19...	13	.42	5.20	--	--	--	--	--	.820
FEB									
16...	14	.68	3.30	--	--	--	--	--	.420
MAR									
16...	30	.22	5.10	.90	6.00	6.2	28	1.00	.190
APR									
13...	--	.23	--	--	8.50	8.7	39	1.30	1.00
MAY									
18...	34	.33	6.70	.00	4.40	4.7	21	--	.910
JUN									
22...	66	.38	.670	1.2	1.90	2.3	10	.300	.100
JUL									
13...	12	.44	7.10	--	--	--	--	3.05	--
AUG									
10...	15	.13	9.80	.00	6.80	6.9	31	--	2.30
SEP									
07...	14	.13	11.8	3.2	15.0	15	67	2.50	2.50

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
13...	1230	8	<1	16	20	--	73	50
NOV								
03...	1230	16	2	--	--	--	<5	1300
DEC								
15...	1315	6	<1	13	13	--	8	57
JAN								
19...	1200	<5	<1	6	23	--	<5	81
FEB								
16...	1200	<5	<1	3	--	--	<5	86
MAR								
16...	1130	36	4	7	--	--	<5	1600
APR								
13...	1210	5	<1	<1	33	--	<5	--
MAY								
18...	1200	<5	<1	9	--	--	<5	--
JUN								
22...	1227	11	<1	15	36	--	--	--
JUL								
13...	1445	9	<1	5	32	<1.0	<5	34
AUG								
10...	1230	7	<1	5	29	--	<5	--
SEP								
07...	1215	<5	<1	7	--	--	6	--

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
OCT											
13...	1230	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JAN											
19...	1200	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
13...	1210	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
13...	1445	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07344350 RED RIVER NEAR SPRING BANK, AR

LOCATION.--Lat 33°05'29", long 93°51'38", in NW 1/4 sec.24, T.19 S., R.27 W., Miller County, Hydrologic Unit 11140201, at ferry landing, 1.8 mi (2.9 km) west of Spring Bank.

DRAINAGE AREA.--56,909 mi^2 (147,394 km^2).

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 13...	1330	9827	9827	8.1	27.0	22.0	30	8.6	98
NOV 03...	1330	9827	9827	7.7	23.0	17.0	470	6.9	71
DEC 15...	1415	9827	9827	7.8	16.0	9.0	60	10.6	91
JAN 19...	1300	9827	9827	7.9	16.0	4.0	75	12.8	98
FEB 16...	1250	9827	9827	7.9	23.0	8.0	65	11.4	96
MAR 16...	1215	9827	9827	7.9	28.0	17.0	55	9.2	--
APR 13...	1320	9827	9827	7.8	28.0	15.0	50	9.8	96
MAY 18...	1300	9827	9827	7.8	26.0	24.0	850	--	--
JUN 22...	1245	9827	9827	7.5	29.0	26.0	50	4.6	56
JUL 13...	1400	9827	9827	7.7	31.0	29.0	200	5.9	76
AUG 10...	1500	9827	9827	8.0	38.0	31.0	85	9.1	121
SEP 07...	1300	9827	9827	8.1	32.0	28.0	25	9.2	116

DATE	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)
OCT 13...	36	3.0	20	262	100	200	697	.95	40
NOV 03...	31	1.2	40	196	88	1500	507	.69	419
DEC 15...	21	1.5	24	134	46	66	290	.39	81
JAN 19...	18	1.1	4	160	77	120	421	.57	104
FEB 16...	31	2.0	24	92	--	31	205	.28	88
MAR 16...	28	2.4	<10	104	35	28	211	.29	63
APR 13...	22	2.5	20	94	--	24	--	--	--
MAY 18...	46	2.1	300	110	20	16	254	.35	946
JUN 22...	25	1.4	60	86	14	--	157	.21	88
JUL 13...	36	--	50	118	34	38	228	.31	246
AUG 10...	27	2.8	8	118	30	44	214	.29	131
SEP 07...	26	3.9	<4	212	64	89	424	.58	30

07344350 RED RIVER NEAR SPRING BANK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 13...	--	.050	.75	.80	--	--	.120	.050
NOV 03...	.25	.090	--	<.10	--	--	.360	.030
DEC 15...	.22	.110	.00	.10	.32	1.4	.120	.010
JAN 19...	.38	.100	--	--	--	--	--	.010
FEB 16...	.20	.060	--	--	--	--	--	.020
MAR 16...	.36	.080	.32	.40	.76	3.4	.110	.030
APR 13...	.18	--	--	.20	.38	1.7	.110	.100
MAY 18...	.45	.210	1.5	1.70	2.2	9.5	--	.110
JUN 22...	.18	.080	1.2	1.30	1.5	6.6	.130	.040
JUL 13...	.17	.210	--	--	--	--	.220	--
AUG 10...	.06	.040	.46	.50	.56	2.5	--	.010
SEP 07...	.04	.110	.89	1.00	1.0	4.6	.080	.020

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT 13...	1330	11	<1	5	22	--	11	18
NOV 03...	1330	9	<1	--	--	--	19	75
DEC 15...	1415	5	<1	5	10	--	5	34
JAN 19...	1300	6	<1	10	20	--	<5	35
FEB 16...	1250	<5	<1	2	--	--	<5	59
MAR 16...	1215	19	<1	2	--	--	<5	44
APR 13...	1320	<5	<1	1	13	--	<5	--
MAY 18...	1300	<5	<1	19	--	--	<5	--
JUN 22...	1245	<5	<1	9	18	--	--	--
JUL 13...	1400	8	<1	3	38	<1.0	<5	69
AUG 10...	1500	7	<1	3	<10	--	<5	--
SEP 07...	1300	<5	<1	<1	--	--	6	--

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV 03...	1330	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB 16...	1250	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY 18...	1300	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG 10...	1500	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07348650 BAYOU DORCHEAT NEAR TAYLOR, AR

LOCATION.--Lat 33°05'53", long 93°22'53", in SE 1/4 sec.9, T.19 S., R.22 W., Columbia County, Hydrologic Unit 11140203, at bridge on State Highway 160, 4.4 mi (7.1 km) east of Taylor.

DRAINAGE AREA.--389 mi^2 (1,008 km^2).

PERIOD OF RECORD.--October 1973 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
NOV											
03...	1225	9827	9827	61	5.4	22.0	15.0	2.8	7.0	69	.9
DEC											
15...	1245	9827	9827	16	5.9	11.0	6.0	2.8	8.4	67	1.1
JAN											
19...	1300	9827	9827	49	6.1	21.0	3.0	3.0	12.2	98	.7
FEB											
16...	1230	9827	9827	730	5.7	22.0	12.0	5.5	8.4	78	1.1
MAR											
16...	1230	9827	9827	167	5.9	26.0	20.0	3.5	5.3	58	.5
APR											
06...	1230	9827	9827	142	--	15.0	16.0	7.6	6.6	66	.9
MAY											
04...	1220	9827	9827	73	6.0	31.0	21.0	8.5	5.4	60	.5
JUN											
01...	1230	9827	9827	156	5.8	26.0	23.0	15	--	--	--
29...	1240	9827	9827	290	5.9	29.0	24.0	20	5.3	62	1.4
JUL											
12...	1230	9827	9827	6.4	6.1	36.0	26.0	25	3.3	40	1.5
AUG											
03...	1245	9827	9827	4.4	7.2	38.0	28.0	20	--	--	4.8

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
NOV											
03...	16	86	9.0	140	308	.42	4	.02	.040	.020	<.010
DEC											
15...	20	44	3.0	97	192	.26	8	.01	--	.020	<.010
JAN											
19...	52	32	5.0	96	227	.31	2	.01	.010	--	.010
FEB											
16...	36	28	6.0	55	144	.20	6	.06	.030	.070	<.010
MAR											
16...	36	36	6.0	65	187	.25	8	.02	.060	.010	.010
APR											
06...	140	50	9.0	100	194	.26	7	.01	.050	.040	--
MAY											
04...	28	40	--	73	193	.26	8	--	.140	.050	<.010
JUN											
01...	24	56	--	150	304	.41	6	.11	.080	.040	.020
29...	260	54	6.0	38	77	.10	15	.08	.070	.050	.020
JUL											
12...	20	42	8.0	71	--	--	6	.22	.110	.060	--
AUG											
03...	<4	88	4.0	79	285	.39	8	.10	.320	--	<.010

07348650 BAYOU DORCHEAT NEAR TAYLOR, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
NOV								
03...	1225	<5	<1	7	20	--	<5	39
DEC								
15...	1245	19	<1	<1	12	--	<5	21
JAN								
19...	1300	13	<1	<1	14	--	<5	25
FEB								
16...	1230	<5	<1	1	12	--	<5	28
MAR								
16...	1230	<5	<1	<1	--	--	<5	44
APR								
06...	1230	--	<1	--	--	--	<5	25
MAY								
04...	1220	--	<1	<1	34	--	--	35
JUN								
01...	1230	<5	<1	<1	21	--	<5	39
29...	1240	<5	1	2	50	--	--	89
JUL								
12...	1230	<5	1	<1	60	<1.0	<5	60
AUG								
03...	1245	<5	<1	3	38	--	<5	51

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
15...	1245	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
16...	1230	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
01...	1230	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07349440 BODCAU CREEK NEAR LEWISVILLE, AR

LOCATION.--Lat 33°15'42", long 93°33'05", in SE 1/4 sec.14, T.17 S., R.24 W., Lafayette County, Hydrologic Unit 11140205, at bridge on State Highway 313, 6.7 mi (10.8 km) southeast of Lewisville.

PERIOD OF RECORD.--April 1974 to September 1977, October 1978 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT 13...	1430	9827	9827	6.8	27.0	20.0	15	4.1	45	.9	24
NOV 03...	1430	9827	9827	6.2	23.0	16.0	15	7.7	77	.8	8
DEC 15...	1500	9827	9827	6.3	16.0	9.0	3.0	7.8	67	.8	<4
JAN 19...	1400	9827	9827	6.6	20.0	6.0	10	11.0	88	.9	<4
FEB 16...	1345	9827	9827	6.0	23.0	9.0	20	9.2	79	1.0	8
MAR 16...	1315	9827	9827	6.3	28.0	18.0	7.0	7.0	74	1.2	20
APR 13...	1410	9827	9827	6.0	28.0	15.0	10	6.1	60	1.5	44
MAY 18...	1400	9827	9827	6.5	34.0	25.0	15	--	--	1.9	<4
JUN 22...	1400	9827	9827	5.8	30.0	23.0	6.2	2.9	33	.9	100
JUL 13...	1250	9827	9827	6.4	30.0	26.0	15	3.6	44	--	28
AUG 10...	1615	9827	9827	6.6	33.0	29.0	25	5.7	73	2.1	58
SEP 07...	1415	9827	9827	6.8	34.0	28.0	20	7.1	91	2.0	16

DATE	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 13...	40	4.0	34	139	.19	6	--	.040	.060	.050
NOV 03...	84	10	150	331	.45	23	.05	.040	.060	.020
DEC 15...	72	6.0	150	284	.39	6	.01	.030	.030	.010
JAN 19...	42	6.0	88	221	.30	10	.01	.010	--	.010
FEB 16...	24	--	32	108	.15	5	.11	.040	--	.010
MAR 16...	44	9.0	49	159	.22	11	.05	.070	.060	.030
APR 13...	50	--	29	--	--	--	.05	--	.110	.050
MAY 18...	30	7.0	38	142	.19	50	.22	.050	--	.080
JUN 22...	26	11	--	107	.15	6	.06	.060	.070	.020
JUL 13...	42	10	28	176	.24	13	.21	.060	.190	--
AUG 10...	40	11	54	181	.25	40	.06	.090	--	.060
SEP 07...	48	7.0	90	245	.33	20	.01	.010	.080	.040

07349440 BODCAU CREEK NEAR LEWISVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT 13...	1430	<5	<1	2	15	--	<5	20
NOV 03...	1430	5	<1	--	--	--	<5	38
DEC 15...	1500	<5	<1	<1	24	--	6	55
JAN 19...	1400	8	<1	<1	18	--	<5	31
FEB 16...	1345	5	<1	<1	--	--	<5	52
MAR 16...	1315	7	<1	<1	--	--	6	51
APR 13...	1410	6	<1	<1	40	--	<5	--
MAY 18...	1400	<5	<1	1	--	--	<5	--
JUN 22...	1400	<5	<1	<1	32	--	--	--
JUL 13...	1250	<5	<1	6	31	<1.0	<5	41
AUG 10...	1615	<5	<1	3	37	--	<5	--
SEP 07...	1415	<5	<1	2	--	--	5	--

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV 03...	1430	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
DEC 15...	1500	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR 16...	1315	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN 22...	1400	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG 10...	1615	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP 07...	1415	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07356000 OUACHITA RIVER NEAR MOUNT IDA, AR

LOCATION.--Lat 34°36'36", long 93°41'50", in SE 1/4 SW 1/4 sec.32, T.1 S., R.25 W., Montgomery County, Hydrologic Unit 08040101, on right bank 300 ft (91 m) upstream from bridge on U.S. Highway 270, 3.1 mi (5.0 km) upstream from Fiddler's Creek, 5.2 mi (8.4 km) northwest of Mount Ida, and at mile 553.4 (890.4 km).

DRAINAGE AREA.--414 mi^2 (1,072 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1941 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1211: 1947(m). WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 655.14 ft (199.687 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 3, 1941, and Mar. 1, 1945, to Apr. 1, 1946, nonrecording gage, Dec. 3, 1941, to Feb. 21, 1945, and Apr. 2, 1946, to Nov. 2, 1949, water-stage recorder, all at site 350 ft (107 m) downstream at present datum.

REMARKS.--Records good. As of August 1977, flow from 34.3 mi^2 (88.8 km^2) upstream from this station is controlled by one floodwater-detention reservoir that has a capacity of 15,661 acre-ft (19.3 hm^3), of which 9,726 acre-ft (12.0 hm^3) is flood-detention, 4,600 acre-ft (5.7 hm^3) is water supply, and 1,335 acre-ft (1.6 hm^3) is sediment storage.

AVERAGE DISCHARGE.--41 years, 706 ft^3/s (20.0 m^3/s), 23.16 in/yr (588 mm/yr), 511,500 acre-ft/yr (631 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 95,500 ft^3/s (2,700 m^3/s) Dec. 10, 1971, gage height, 38.62 ft (11.771 m), from floodmarks; minimum, 2.3 ft^3/s (0.065 m^3/s) Aug. 25, 1954, gage height, 1.03 ft (0.314 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Dec. 12, 1971, was about 3.0 ft (0.9 m) higher than that of 1908 and is the highest since at least that date, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 11,000 ft^3/s (312 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 31	1500	12,700	360	14.57	4.441
Mar. 14	2100	*16,400	464	16.91	5.154

Minimum discharge, 20 ft^3/s (0.57 m^3/s) Sept. 30, gage height, 1.12 ft (0.341).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	1210	932	97	4030	1390	252	306	1440	180	411	40
2	37	2700	672	110	2300	1300	961	296	907	298	315	37
3	35	1510	517	183	1870	1140	2970	265	1540	178	322	34
4	34	1110	433	281	1480	1640	1610	237	5930	134	184	31
5	33	876	365	285	1220	1560	1160	214	3390	111	142	29
6	33	700	328	254	1020	1390	904	195	1660	96	130	28
7	33	576	310	235	869	1300	721	211	1180	86	124	26
8	32	477	276	214	791	1140	620	229	889	85	180	26
9	33	408	245	199	956	1000	551	195	687	82	177	24
10	34	350	220	187	898	895	475	168	542	86	155	24
11	35	313	201	171	783	809	415	151	452	86	129	23
12	36	290	189	163	774	735	366	142	574	75	109	23
13	37	246	178	162	957	674	327	2230	688	67	101	22
14	49	224	172	161	933	10800	306	5200	458	62	92	22
15	241	205	165	152	877	7250	274	4480	358	57	82	22
16	364	195	160	154	3920	3070	252	2810	727	52	75	21
17	1980	186	152	155	6610	2060	784	1620	980	48	69	23
18	4030	178	140	138	2680	1470	843	1200	616	44	59	24
19	1830	167	131	137	1780	1150	962	924	460	41	55	25
20	1110	155	124	146	1370	961	1190	733	367	38	51	26
21	799	144	123	179	1110	794	921	593	316	36	47	25
22	635	136	126	1830	928	661	723	488	291	49	44	24
23	647	132	130	4240	783	561	595	567	249	76	42	24
24	549	128	130	1990	670	498	507	1120	211	54	38	23
25	463	123	124	1400	615	443	459	1150	189	52	35	23
26	744	122	118	1060	688	378	443	916	190	47	33	22
27	744	119	113	863	714	341	442	818	177	76	45	22
28	587	118	110	723	882	307	368	685	176	156	81	21
29	485	115	107	634	---	287	338	756	167	463	54	21
30	407	222	101	847	---	273	325	656	153	582	51	21
31	356	---	99	8750	---	268	---	687	---	762	42	---
TOTAL	16472	13435	7191	26100	42508	46545	21064	30242	25964	4259	3474	756
MEAN	531	448	232	842	1518	1501	702	976	865	137	112	25.2
MAX	4030	2700	932	8750	6610	10800	2970	5200	5930	762	411	40
MIN	32	115	99	97	615	268	252	142	153	36	33	21
CFSM	1.28	1.08	.56	2.03	3.67	3.63	1.70	2.36	2.09	.33	.27	.06
IN.	1.48	1.21	.65	2.35	3.82	4.18	1.89	2.72	2.33	.38	.31	.07
AC-FT	32670	26650	14260	51770	84310	92320	41780	59980	51500	8450	6890	1500

CAL YR 1981 TOTAL 228560 MEAN 626 MAX 8340 MIN 32 CFSM 1.51 IN 20.54 AC-FT 453300
WTR YR 1982 TOTAL 238010 MEAN 652 MAX 10800 MIN 21 CFSM 1.58 IN 21.39 AC-FT 472100

07356000 OUACHITA RIVER NEAR MOUNT IDA, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1950-52, April 1974 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1949 to September 1952.
WATER TEMPERATURES: October 1949 to September 1952.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
20...	0930	9827	9827	1150	7.2	19.0	16.0	15	8.8
DEC									
01...	0930	9827	9827	1240	7.3	13.0	12.0	10	10.1
15...	0940	9827	9827	145	7.4	12.0	8.0	2.2	11.7
JAN									
26...	0940	9827	9827	1080	7.2	12.0	6.0	20	12.2
FEB									
23...	0930	9827	9827	798	7.2	20.0	13.0	6.8	10.2
MAR									
30...	1000	9827	9827	273	--	19.0	15.0	3.0	10.1
APR									
20...	0915	9827	9827	1230	6.9	21.0	17.0	20	9.6
MAY									
25...	0945	9827	9827	1240	6.5	27.0	21.0	30	8.4
JUN									
15...	0910	9827	9827	366	6.9	33.0	26.0	5.5	8.4
AUG									
03...	0925	9827	9827	338	6.8	36.0	27.0	20	8.8
23...	0900	9827	9827	43	7.1	35.0	29.0	3.2	7.7
SEP									
21...	0930	9827	9827	25	7.4	21.0	21.0	3.2	8.5

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT									
20...	88	12	.5	64	14	6.0	3.5	43	.06
DEC									
01...	94	8	1.3	800	30	4.0	5.0	44	.06
15...	98	4	.8	4	30	4.0	4.5	39	.05
JAN									
26...	98	--	1.2	20	16	7.0	5.5	42	.06
FEB									
23...	96	7	--	4	18	3.0	4.0	43	.06
MAR									
30...	99	5	.8	12	24	3.0	4.0	44	.06
APR									
20...	99	12	1.7	100	20	2.0	3.0	49	.07
MAY									
25...	93	17	1.7	570	18	<1.0	3.5	51	.07
JUN									
15...	102	6	2.0	32	18	--	4.0	46	.06
AUG									
03...	109	12	2.9	60	24	--	4.5	45	.06
23...	99	7	1.4	12	26	4.0	3.5	70	.10
SEP									
21...	94	8	1.5	8	24	2.0	7.5	56	.08

07356000 OUACHITA RIVER NEAR MOUNT IDA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
20...	6	.27	.030	--	<.10	--	--	.050	<.010
DEC									
01...	11	--	.030	--	<.10	--	--	.050	.010
15...	4	<.01	.010	--	<.10	--	--	.010	.010
JAN									
26...	8	.44	.040	.26	.30	.74	3.3	.040	.010
FEB									
23...	7	.37	.010	--	--	--	--	.030	<.010
MAR									
30...	2	.13	.020	1.8	1.80	1.9	8.5	.010	.010
APR									
20...	7	.17	.050	1.9	1.90	2.1	9.2	.030	<.010
MAY									
25...	13	.15	.040	.26	.30	.45	2.0	.050	.040
JUN									
15...	6	.10	.040	.36	.40	.50	2.2	<.010	<.010
AUG									
03...	10	--	.040	--	<.10	--	--	.060	.010
23...	4	.03	.030	.37	.40	.43	1.9	.020	--
SEP									
21...	6	.03	.020	.38	.40	.43	1.9	.030	.010

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT							
20...	0930	<5	<1	<1	<10	<5	--
DEC							
01...	0930	<5	<1	<1	<10	<5	4
15...	0940	16	<1	5	11	<5	5
JAN							
26...	0940	6	<1	<1	<10	--	4
FEB							
23...	0930	13	<1	<1	<10	<5	9
MAR							
30...	1000	9	<1	<1	<10	<5	5
APR							
20...	0915	5	<1	2	<10	<5	3
MAY							
25...	0945	<5	<1	11	<10	8	<3
JUN							
15...	0910	--	<1	<1	<10	<5	6
AUG							
03...	0925	<5	<1	1	<10	<5	<3
23...	0900	<5	<1	2	<10	<5	--
SEP							
21...	0930	<5	<1	3	10	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN											
26...	0940	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
20...	0915	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
03...	0925	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07357501 OUACHITA RIVER AT BLAKELY MOUNTAIN DAM, NEAR HOT SPRINGS, AR

LOCATION.--Lat 34°34'18", long 93°11'37", in SE 1/4 sec.12, T.2 S., R.21 W., Garland County, Hydrologic Unit 08040101, on outlet of power tunnel at Blakely Mountain Dam, 2.3 mi (3.7 km) upstream from Glazypeau Creek, 10.0 mi (16.1 km) northwest of Hot Springs, and at mile 486.9 (783.4 km).

DRAINAGE AREA.--1,102 mi^2 (2,854 km^2).

PERIOD OF RECORD.--August 1969 to current year. August 1973 to August 1974 in reports of Corps of Engineers, Vicksburg, Miss.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT									
20...	0830	9827	9827	.00	7.1	5.0	12.0	1.3	7.1
DEC									
01...	0800	9827	9827	1800	7.0	8.0	11.0	1.0	8.3
15...	0810	9827	9827	3200	7.1	3.0	10.0	1.0	10.1
JAN									
26...	0800	9827	9827	6000	7.1	3.0	6.0	2.2	10.0
FEB									
23...	0815	9827	9827	3000	7.2	8.0	7.0	1.6	11.9
MAR									
30...	0830	9827	9827	3200	--	17.0	9.0	1.0	11.7
APR									
20...	0750	9827	9827	2900	7.0	18.0	10.0	.40	11.0
MAY									
25...	0820	9827	9827	3200	6.7	23.0	13.0	1.5	10.0
JUN									
15...	0755	9827	9827	.00	7.0	25.0	24.0	3.5	8.5
AUG									
03...	0820	9827	9827	.00	7.1	26.0	27.0	2.5	8.4
23...	0800	9827	9827	.00	7.0	26.0	25.0	3.0	8.3
SEP									
21...	0815	9827	9827	.00	7.2	19.0	20.0	2.8	8.3

DATE	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD-NESS (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT									
20...	66	8	1.0	30	46	4.0	3.5	57	.08
DEC									
01...	75	5	1.6	12	34	4.0	4.0	49	.07
15...	89	6	.5	<4	26	5.0	4.0	37	.05
JAN									
26...	80	--	.9	<4	18	5.0	3.5	37	.05
FEB									
23...	98	6	--	<4	26	4.0	4.5	37	.05
MAR									
30...	101	7	1.2	<4	26	3.0	3.5	41	.06
APR									
20...	97	5	1.3	<4	24	1.0	2.0	36	.05
MAY									
25...	94	6	1.3	<4	26	3.0	3.0	42	.06
JUN									
15...	100	7	2.2	54	24	--	4.0	43	.06
AUG									
03...	104	9	2.4	20	26	--	4.5	41	.06
23...	99	8	2.4	76	24	5.0	4.0	34	.05
SEP									
21...	90	10	1.6	100	20	1.0	6.0	45	.06

07357501 OUACHITA RIVER AT BLAKELY MOUNTAIN DAM, NEAR HOT SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
20...	2	.14	.020	--	<.10	--	--	.010	<.010
DEC									
01...	1	--	.040	--	<.10	--	--	.020	<.010
15...	6	.10	.010	--	<.10	--	--	<.010	<.010
JAN									
26...	5	.17	.030	--	<.10	--	--	<.010	.010
FEB									
23...	1	.11	.020	--	--	--	--	.010	<.010
MAR									
30...	3	.15	.030	.87	.90	1.1	4.6	.010	<.010
APR									
20...	<1	.11	.030	.87	.90	1.0	4.5	<.010	<.010
MAY									
25...	<1	.11	.030	.17	.20	.31	1.4	<.010	<.010
JUN									
15...	4	.01	.030	1.5	1.50	1.5	6.7	.010	<.010
AUG									
03...	6	--	.030	.47	.50	--	--	.010	<.010
23...	1	.01	.110	.19	.30	.31	1.4	.010	--
SEP									
21...	1	.02	.020	.38	.40	.42	1.9	.030	.010

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT							
20...	0830	<5	<1	<1	<10	10	--
DEC							
01...	0800	<5	<1	<1	<10	<5	77
15...	0810	<5	<1	<1	<10	<5	<3
JAN							
26...	0800	<5	<1	1	<10	--	4
FEB							
23...	0815	<5	<1	<1	<10	10	<3
MAR							
30...	0830	<5	<1	<1	<10	<5	6
APR							
20...	0750	9	<1	2	<10	<5	<3
MAY							
25...	0820	10	<1	<1	<10	<5	<3
JUN							
15...	0755	--	<1	7	10	<5	8
AUG							
03...	0820	<5	<1	<1	<10	<5	3
23...	0800	<5	<1	<1	<10	<5	--
SEP							
21...	0815	<5	<1	<1	<10	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
15...	0810	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB											
23...	0815	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
30...	0830	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
25...	0820	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
21...	0815	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07358501 OUACHITA RIVER AT CARPENTER DAM, NEAR HOT SPRINGS, AR

LOCATION.--Lat 34°26'36", long 93°01'29", in sec.27, T.3 S., R.19 W., Garland County, Hydrologic Unit 08040101, at dam, 1.5 mi (2.5 km) downstream from Hot Springs Creek, and 4.5 mi (7.2 km) southeast of Hot Springs.

DRAINAGE AREA.--1,459 mi^2 (3.779 km^2).

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
20...	1500	9827	9827	2880	6.8	25.0	18.0	2.2	5.4	57	1.2
DEC											
01...	1500	9827	9827	.00	7.2	9.0	13.0	25	10.0	94	1.5
15...	1430	9827	9827	.00	7.3	15.0	9.0	2.8	12.4	107	1.4
JAN											
26...	1530	9827	9827	.00	7.4	16.0	6.0	1.9	14.7	118	.8
FEB											
23...	1445	9827	9827	3390	7.1	26.0	9.0	7.2	11.4	98	--
MAR											
30...	1500	9827	9827	3390	--	20.0	11.0	1.8	10.9	98	1.7
APR											
20...	1500	9827	9827	3220	7.0	18.0	12.0	4.0	9.7	90	.8
MAY											
25...	1630	9827	9827	3390	6.6	31.0	13.0	1.5	9.0	85	1.4
JUN											
15...	1525	9827	9827	.00	7.1	43.0	24.0	4.0	11.5	135	4.6
AUG											
03...	1520	9827	9827	3390	6.6	--	--	2.0	5.6	--	1.1
23...	1550	9827	9827	3220	6.5	40.0	17.0	25	3.6	37	1.0
SEP											
21...	1630	9827	9827	4070	6.8	28.0	17.0	3.0	5.5	57	1.6

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
20...	4	20	4.0	3.5	33	.04	2	.11	.070	.010	<.010
DEC											
01...	4	22	4.0	4.5	41	.06	44	--	.040	.080	<.010
15...	8	30	5.0	4.0	32	.04	11	.06	.030	.020	<.010
JAN											
26...	<4	28	6.0	4.5	36	.05	4	.13	.050	.010	.010
FEB											
23...	4	22	5.0	5.0	42	.06	5	.18	.040	.020	<.010
MAR											
30...	<4	24	4.0	3.0	48	.07	3	.14	.030	.010	<.010
APR											
20...	8	20	3.0	2.5	39	.05	3	.11	.070	.010	<.010
MAY											
25...	--	26	2.0	3.0	41	.06	<1	.12	.040	<.010	<.010
JUN											
15...	12	24	--	5.5	51	.07	6	.04	.040	.050	<.010
AUG											
03...	12	26	--	4.0	45	.06	4	--	.040	.010	<.010
23...	10	30	5.0	3.5	45	.06	<1	.14	.030	.010	--
SEP											
21...	28	24	2.0	8.0	48	.07	7	.11	.060	.040	.010

07358501 OUACHITA RIVER AT CARPENTER DAM, NEAR HOT SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT							
20...	1500	<5	<1	<1	<10	12	--
DEC							
01...	1500	<5	<1	2	<10	<5	10
15...	1430	<5	<1	<1	<10	<5	9
JAN							
26...	1530	5	<1	5	<10	--	3
FEB							
23...	1445	<5	<1	<1	<10	8	3
MAR							
30...	1500	<5	<1	<1	<10	<5	6
APR							
20...	1500	7	<1	6	<10	<5	5
MAY							
25...	1630	5	<1	<1	<10	<5	5
JUN							
15...	1525	--	<1	<1	<10	<5	7
AUG							
03...	1520	<5	<1	<1	<10	<5	<3
23...	1550	<5	<1	<1	<10	<5	--
SEP							
21...	1630	<5	<1	<1	<10	<5	11

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
15...	1430	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
30...	1500	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
15...	1525	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
21...	1630	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07359500 OUACHITA RIVER NEAR MALVERN, AR

LOCATION.--Lat 34°23'10", long 92°50'20", in NW 1/4 sec.16, T.4 S., R.17 W., Hot Spring County, Hydrologic Unit 08040102, near right bank on downstream side of bridge on State Highway 84, 2.0 mi (3.2 km) northwest of Malvern, 5.8 mi (9.3 km) downstream from Remmel Dam, and at mile 450.1 (724.2 km).

DRAINAGE AREA.--1,585 mi^2 (4,105 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1903 to April 1905, June 1922 to September 1925 (fragmentary), October 1925 to April 1927, January 1928 to current year. Published as "at Remmel Dam, near Malvern" January 1925 to March 1937.

REVISED RECORDS.--WSP 587: 1923. WSP 857: 1923(M). WSP 977: 1942. WSP 1391: 1903-4. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 228.05 ft (69.510 m) National Geodetic Vertical Datum of 1929. March 1903 to April 1905, nonrecording gage at present site at datum 2.0 ft (0.6 m) higher. June 1922 to September 1924, nonrecording gage at present site and datum. January 1925 to March 1937, water-stage recorder at Remmel Dam, 5.8 mi (9.3 km) upstream at datum 20.11 ft (6.130 m) higher.

REMARKS.--Records good except those for period of no gage-height record, Feb. 10 to Mar. 19, which are fair. Flow regulated since 1925 by Lake Catherine, 5.8 mi (9.3 km) upstream, capacity, 35,250 acre-ft (43.5 hm^3), since 1932 by Lake Hamilton, capacity, 190,100 acre-ft (234 hm^3), and since 1952 by Lake Ouachita, capacity, 2,768,400 acre-ft (3,410 hm^3).

AVERAGE DISCHARGE.--55 years (1925-26, 1928-82), 2,353 ft^3/s (66.6 m^3/s), 1,705,000 acre-ft/yr (2,100 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 140,000 ft^3/s (3,960 m^3/s) May 15, 1923, gage height, 30.3 ft (9.24 m); minimum, 34 ft^3/s (0.96 m^3/s) May 15, 1977, gage height, 0.33 ft (0.101 m); minimum daily observed 40 ft^3/s (1.13 m^3/s) Dec. 18-20, 1904.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,300 ft^3/s (603 m^3/s) Apr. 2, gage height, 14.03 ft (4.276 m); minimum, 42 ft^3/s (1.19 m^3/s) Sept. 19, 26, gage height, 0.45 ft (0.137 m); minimum daily, 313 ft^3/s (8.86 m^3/s) Sept. 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	464	1900	2100	1370	6080	2920	2340	1960	2080	1290	735	874
2	422	2160	1820	1560	2550	2920	8720	886	1710	962	1150	978
3	768	2160	1880	1040	1850	2920	11500	1810	1730	861	699	637
4	684	2240	1300	1870	1700	2920	8310	2360	1560	795	669	421
5	1300	2510	1190	1540	1770	2890	8700	2040	1230	630	952	475
6	1460	1710	551	1170	1560	2890	5760	2580	1390	1180	633	426
7	1430	1640	1850	2260	1610	2880	3030	2790	2160	719	1920	488
8	1650	484	2120	1940	1390	2890	2960	1810	1960	1320	1170	668
9	1690	447	1400	1540	2100	2880	2980	1920	2070	1330	1070	1110
10	1770	2290	988	2330	2600	2890	3070	2220	1840	700	1120	1430
11	1880	1880	1700	5270	2060	2760	2670	1850	1800	766	1820	751
12	1740	2150	432	2390	2060	2900	2950	1990	788	526	816	737
13	2020	2320	1130	1590	2030	2870	1660	1840	496	617	606	1290
14	3170	2250	2130	1750	2050	3240	2030	2140	524	513	798	1230
15	2090	2450	1600	1940	2070	7580	1680	2200	485	421	694	906
16	2260	2610	1420	1290	3850	8140	2130	1630	906	928	431	1120
17	1920	2280	1340	910	6240	8230	2400	2210	711	955	1040	904
18	3190	2030	1630	1860	7560	8250	2080	1630	738	1020	752	471
19	1910	1990	1800	1560	7420	8940	2550	735	811	1680	609	313
20	1600	2100	1900	1050	5470	6040	2790	635	557	1450	820	554
21	1600	2020	2060	1380	2780	2810	2700	471	573	1530	654	603
22	2140	1760	2200	1660	3250	3030	2510	651	439	1150	746	489
23	2510	2490	1760	2730	3280	2600	2430	678	639	799	1280	1500
24	588	1990	2090	2020	3270	2210	2080	764	485	461	1410	1290
25	663	1620	1120	1640	3270	3030	1800	2010	542	546	1870	423
26	2180	483	1860	1120	3270	3180	2330	1870	453	789	892	376
27	2270	2040	801	736	3270	3170	2370	1730	412	1110	1610	492
28	2020	2050	1180	583	2800	1840	2470	1790	2020	1150	848	528
29	2160	2690	1310	1210	---	2380	2180	1220	1380	1080	840	904
30	1450	2430	1030	1400	---	2030	2730	860	1580	1240	659	1360
31	1710	---	756	6850	---	2190	---	1550	---	760	1130	---
TOTAL	52709	59174	46448	57559	89210	116420	103910	50830	34069	29278	30443	23748
MEAN	1700	1972	1498	1857	3186	3755	3464	1640	1136	944	982	792
MAX	3190	2690	2200	6850	7560	8940	11500	2790	2160	1680	1920	1500
MIN	422	447	432	583	1390	1840	1660	471	412	421	431	313
AC-FT	104500	117400	92130	114200	176900	230900	206100	100800	67580	58070	60380	47100

CAL YR 1981 TOTAL 740758 MEAN 2029 MAX 9650 MIN 361 AC-FT 1469000
WTR YR 1982 TOTAL 693798 MEAN 1901 MAX 11500 MIN 313 AC-FT 1376000

07359500 OUACHITA RIVER NEAR MALVERN, AR--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-50, October 1970 to current year.

COOPERATION.--Additional records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT										
20...	1330	9827	9827	--	3180	7.1	25.0	19.0	3.2	7.2
DEC										
01...	1420	9827	9827	--	3130	7.1	17.0	13.0	3.6	9.3
15...	1340	9827	9827	--	1690	7.2	17.0	12.0	3.0	10.8
JAN										
26...	1440	9827	9827	--	2220	7.3	16.0	8.0	6.9	12.4
FEB										
23...	1400	9827	9827	3280	--	7.4	30.0	12.0	6.4	11.8
MAR										
30...	1415	9827	9827	--	3130	--	21.0	13.0	2.4	11.0
APR										
20...	1415	9827	9827	--	2780	7.0	18.0	15.0	6.5	10.4
MAY										
25...	1550	9827	9827	--	2920	6.5	25.0	19.0	4.5	9.6
JUN										
15...	1440	9827	9827	--	50	6.8	43.0	25.0	2.0	9.5
AUG										
03...	1435	9827	9827	--	55	6.8	--	--	2.5	9.2
23...	1500	9827	9827	--	2130	6.9	42.0	27.0	3.5	8.2

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT									
20...	77	9	2.4	24	46	10	24	97	.13
DEC									
01...	88	8	3.4	10	56	18	32	121	.16
15...	100	9	1.9	<4	36	19	13	68	.09
JAN									
26...	104	--	1.2	32	32	21	12	61	.08
FEB									
23...	109	10	--	<4	38	6.0	16	74	.10
MAR									
30...	104	9	2.3	10	38	10	13	86	.12
APR									
20...	102	12	3.5	56	28	13	8.0	67	.09
MAY									
25...	102	11	4.0	8	24	9.0	11	69	.09
JUN									
15...	113	11	6.4	4	24	--	9.0	80	.11
AUG									
03...	--	--	5.3	48	26	--	5.5	61	.08
23...	101	11	1.9	20	20	7.0	6.0	67	.09

07359500 OUACHITA RIVER NEAR MALVERN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
20...	6	.34	.080	--	<.10	--	--	.030	<.010
DEC									
01...	6	--	.440	--	<.50	--	--	.060	.010
15...	8	.29	.410	.19	.60	.89	3.9	.040	<.010
JAN									
26...	12	.36	.470	.00	.40	.76	3.4	.060	.010
FEB									
23...	8	.23	.040	--	--	--	--	.040	.010
MAR									
30...	4	.23	.210	.99	1.20	1.4	6.3	.040	.010
APR									
20...	6	.15	.110	.69	.80	.95	4.2	.030	.010
MAY									
25...	8	.22	.270	.53	.80	1.0	4.5	.040	.040
JUN									
15...	4	.37	.060	1.6	1.70	2.1	9.2	<.010	<.010
AUG									
03...	6	--	.070	.23	.30	--	--	.040	<.010
23...	6	.12	.010	.29	.30	.42	1.9	.040	--

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT							
20...	1330	<5	<1	<1	<10	19	--
DEC							
01...	1420	7	1	2	<10	<5	72
15...	1340	10	<1	5	<10	5	180
JAN							
26...	1440	6	<1	2	<10	--	130
FEB							
23...	1400	15	<1	1	<10	<5	99
MAR							
30...	1415	6	<1	<1	<10	<5	170
APR							
20...	1415	9	<1	6	<10	<5	110
MAY							
25...	1550	15	<1	2	<10	14	78
JUN							
15...	1440	--	<1	2	<10	<5	110
AUG							
03...	1435	<5	2	<1	<10	<5	200
23...	1500	<5	<1	5	<10	<5	--

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN											
26...	1440	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
20...	1415	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
03...	1435	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07359580 OUACHITA RIVER NEAR DONALDSON, AR

LOCATION.--Lat 34°14'16", long 92°57'32", in NE 1/4 sec.5, T.5 S., R.18 W., Hot Spring County, Hydrologic Unit 08040102, at bridge on U.S. Highway 67, 2.0 mi (3.2 km) west of Donaldson, 3.6 mi (5.8 km) downstream from Black Branch.

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

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
20...	1300	9827	9827	2230	6.9	25.0	18.0	2.8	7.9	83	3.4
DEC											
01...	1245	9827	9827	2750	7.0	17.0	12.0	1.8	9.4	87	1.9
15...	1305	9827	9827	2950	7.2	15.0	11.0	4.1	10.4	94	1.1
JAN											
26...	1410	9827	9827	1600	7.1	17.0	8.0	5.5	12.1	102	1.6
FEB											
23...	1320	9827	9827	3490	7.1	33.0	13.0	25	11.2	106	--
MAR											
30...	1340	9827	9827	2710	--	20.0	14.0	4.4	9.9	95	1.1
APR											
20...	1330	9827	9827	5630	6.7	22.0	10.0	15	9.1	81	1.1
MAY											
25...	1600	9827	9827	1780	6.5	24.0	23.0	6.5	8.3	95	5.5
JUN											
15...	1400	9827	9827	400	6.8	40.0	25.0	3.0	8.9	106	6.5
AUG											
03...	1400	9827	9827	1630	6.9	--	--	4.0	7.4	--	5.9
23...	1400	9827	9827	798	7.0	39.0	27.0	3.6	8.1	100	6.9
SEP											
21...	1430	9827	9827	504	7.2	30.0	18.0	3.0	8.3	87	4.4

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
20...	16	34	16	15	79	.11	4	.60	.060	.030	<.010
DEC											
01...	8	58	21	27	116	.16	4	--	.430	.040	.010
15...	24	30	14	11	53	.07	13	.34	.170	.040	.010
JAN											
26...	4	30	18	11	62	.08	9	.51	.300	.050	.010
FEB											
23...	4	40	7.0	16	68	.09	28	.23	.030	.070	<.010
MAR											
30...	150	48	7.0	20	93	.13	2	.18	.040	.030	.010
APR											
20...	320	18	13	7.0	70	.10	10	.17	.090	.050	.010
MAY											
25...	140	24	12	10	68	.09	5	.41	.070	.030	.020
JUN											
15...	12	30	--	11	74	.10	1	.43	.040	.040	.020
AUG											
03...	56	24	--	5.5	55	.07	5	--	.110	.040	.030
23...	24	24	6.0	5.0	49	.07	2	.11	.030	.030	--
SEP											
21...	<4	24	2.0	7.5	53	.07	4	.14	.030	.050	.010

07359580 OUACHITA RIVER NEAR DONALDSON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT							
20...	1300	5	<1	4	<10	6	--
DEC							
01...	1245	<5	<1	<1	<10	<5	100
15...	1305	<5	<1	<1	<10	<5	7
JAN							
26...	1410	<5	1	1	<10	--	130
FEB							
23...	1320	<5	<1	<1	<10	6	11
MAR							
30...	1340	<5	<1	<1	<10	<5	7
APR							
20...	1330	<5	<1	2	<10	<5	3
MAY							
25...	1600	<5	<1	<1	<10	<5	100
JUN							
15...	1400	--	<1	3	10	<5	41
AUG							
03...	1400	<5	<1	<1	<10	<5	36
23...	1400	<5	1	<1	10	<5	--
SEP							
21...	1430	<5	<1	<1	<10	<5	44

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
15...	1305	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
30...	1340	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
15...	1400	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
21...	1430	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07359770 CADDO RIVER NEAR AMITY, AR

LOCATION.--Lat 34°17'05", long 93°24'56", in NW 1/4 SE 1/4 sec.24, T.5 S., R.23 W., Clark County, Hydrologic Unit 08040102, at bridge on State Highway 84, 2.9 mi (4.7 km) northeast of Amity.

DRAINAGE AREA.--291 mi^2 (754 km^2).

PERIOD OF RECORD.--August 1972 to current year. August 1973 to August 1974 in reports of Corps of Engineers, Vicksburg, Miss.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
20...	1200	9827	9827	276	7.3	22.0	16.0	15	9.3	93	2.3
DEC											
01...	1205	9827	9827	276	7.5	15.0	11.0	5.5	10.4	94	.9
15...	1200	9827	9827	131	7.6	9.0	8.0	1.5	11.8	99	.6
JAN											
26...	1300	9827	9827	478	7.2	12.0	7.0	9.0	11.9	98	1.1
FEB											
23...	1210	9827	9827	320	7.3	26.0	14.0	6.6	10.9	105	--
MAR											
30...	1230	9827	9827	169	--	19.0	15.0	1.8	10.1	99	1.1
APR											
20...	1210	9827	9827	514	7.1	21.0	15.0	15	9.6	94	1.1
MAY											
25...	1410	9827	9827	181	7.4	29.0	24.0	5.5	9.3	109	1.9
JUN											
15...	1300	9827	9827	145	7.4	33.0	26.0	8.2	8.8	107	7.3
AUG											
03...	1305	9827	9827	160	7.4	36.0	28.0	6.5	7.7	97	5.2
23...	1315	9827	9827	102	7.6	37.0	29.0	5.5	8.3	106	5.8
SEP											
21...	1240	9827	9827	89	7.7	26.0	23.0	2.8	8.7	100	2.0

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
20...	100	36	6.0	3.5	60	.08	6	.01	.280	.050	<.010
DEC											
01...	180	56	6.0	4.0	68	.09	7	--	.050	.030	<.010
15...	4	50	6.0	4.5	61	.08	4	.01	.010	.010	<.010
JAN											
26...	18	30	7.0	4.5	48	.07	7	.53	.050	.030	.010
FEB											
23...	20	30	5.0	4.0	52	.07	6	.26	.030	.020	<.010
MAR											
30...	48	42	5.0	2.5	64	.09	4	.03	.010	.010	<.010
APR											
20...	340	28	4.0	2.5	58	.08	9	.20	.080	.030	<.010
MAY											
25...	170	52	1.0	3.5	67	.09	7	.11	.040	.010	<.010
JUN											
15...	52	42	--	3.5	65	.09	10	.08	.040	.020	.010
AUG											
03...	44	40	--	4.0	75	.10	10	--	.050	.050	<.010
23...	16	52	8.0	4.0	77	.10	4	.03	.040	.030	--
SEP											
21...	10	52	3.0	9.0	83	.11	7	.01	.040	.040	.020

RED RIVER BASIN

07359770 CADDO RIVER NEAR AMITY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT							
20...	1200	<5	<1	<1	<10	14	--
DEC							
01...	1205	10	<1	5	20	<5	73
15...	1200	5	<1	<1	<10	<5	4
JAN							
26...	1300	8	<1	<1	<10	--	3
FEB							
23...	1210	<5	<1	<1	<10	<5	<3
MAR							
30...	1230	6	<1	<1	<10	<5	5
APR							
20...	1210	6	<1	1	<10	<5	4
MAY							
25...	1410	3	<1	<1	<10	<5	<3
JUN							
15...	1300	--	<1	<1	<10	<5	30
AUG							
03...	1305	<5	1	<1	19	<5	95
23...	1315	<5	<1	<1	11	<5	--
SEP							
21...	1240	<5	<1	5	13	<5	72

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
01...	1205	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB											
23...	1210	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
15...	1300	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
23...	1315	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07360162 OUACHITA RIVER NEAR SPARKMAN, AR

LOCATION.--Lat 33°53'54", long 92°54'24", in sec.36, T.9 S., R.18 W., Clark-Dallas County line, Hydrologic Unit 08040102, at bridge on county road, 3.0 mi (4.8 km) southwest of Sparkman.

DRAINAGE AREA.--2,716 mi^2 (7,034 km^2).

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
20...	1122	9827	9827	4700	7.1	17.0	17.0	9.0	8.4	87	.8
DEC											
01...	1122	9827	9827	3400	7.2	13.0	12.0	3.2	9.6	89	1.5
FEB											
02...	1115	9827	9827	13000	6.9	8.0	7.0	35	10.6	87	2.1
MAR											
02...	1130	9827	9827	5800	7.1	20.0	10.0	--	11.2	99	.7
30...	1112	9827	9827	4100	6.9	22.0	14.0	4.5	10.7	103	.6
APR											
13...	1105	9827	9827	5500	7.1	23.0	16.0	10	9.4	94	.7
MAY											
18...	1112	9827	9827	3200	6.9	27.0	22.0	6.0	8.5	97	2.9
JUN											
08...	1120	9827	9827	3300	6.9	42.0	25.0	10	8.1	96	1.4
JUL											
20...	1115	9827	9827	2000	6.7	32.0	30.0	6.0	8.0	105	1.6
AUG											
03...	1100	9827	9827	2800	6.8	36.0	24.0	20	7.6	89	.6
31...	1145	9827	9827	1800	6.9	37.0	25.0	5.5	8.9	106	1.5
SEP											
28...	1104	9827	9827	760	7.1	23.0	21.0	4.2	9.2	102	.9

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
20...	16	26	15	13	73	.10	16	.60	.060	.030	<.010
DEC											
01...	8	38	19	18	94	.13	16	.50	.370	--	<.010
FEB											
02...	140	28	7.0	18	--	--	--	.24	.170	.110	.010
MAR											
02...	16	40	6.0	18	79	.11	8	.23	.090	.040	<.010
30...	<4	44	--	19	103	.14	11	.15	.040	.020	<.010
APR											
13...	20	30	5.0	8.0	71	.10	12	.17	.020	.040	<.010
MAY											
18...	8	22	16	13	71	.10	4	.44	.050	.030	.010
JUN											
08...	28	--	9.0	--	96	.13	10	.25	.050	.020	.010
JUL											
20...	44	34	8.0	--	45	.06	14	.16	.040	.030	<.010
AUG											
03...	64	20	5.0	9.0	59	.08	26	--	.020	--	.010
31...	60	24	8.0	6.0	46	.06	9	.11	--	.020	<.010
SEP											
28...	16	24	4.0	7.5	47	.06	8	.07	.040	.010	<.010

07360162 OUACHITA RIVER NEAR SPARKMAN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT							
20...	1122	<5	<1	<1	<10	6	--
DEC							
01...	1122	<5	<1	<1	<10	<5	25
FEB							
02...	1115	10	<1	--	17	7	51
MAR							
02...	1130	<5	<1	<1	<10	<5	28
30...	1112	6	--	<1	<10	<5	33
APR							
13...	1105	13	<1	7	<10	<5	36
MAY							
18...	1112	<5	<1	7	<10	<5	<3
JUN							
08...	1120	5	<1	9	15	--	44
JUL							
20...	1115	<5	<1	--	12	<5	49
AUG							
03...	1100	<5	<1	--	--	--	--
31...	1145	<5	<1	4	12	<5	17
SEP							
28...	1104	<5	<1	5	24	<5	--

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
FEB											
02...	1115	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
13...	1105	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
20...	1115	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP											
28...	1104	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07361500 ANTOINE RIVER AT ANTOINE, AR

LOCATION.--Lat 34°02'20", long 93°25'05", in NW 1/4 NW 1/4 sec.24, T.8 S., R.23 W., Pike County, Hydrologic Unit 08040103, near right bank on downstream side of bridge on State Highway 26 at Antoine, 1.6 mi (2.6 km) downstream from Brushy Creek, 1.9 mi (3.1 km) downstream from Suck Creek, and at mile 8.5 (13.7 km).

DRAINAGE AREA.--178 mi^2 (461 km^2).

PERIOD OF RECORD.--October 1954 to current year. Gage-height records collected in this vicinity since November 1950 (published as "Antoine Creek") are contained in reports of Corps of Engineers.

REVISED RECORDS.--WSP 1511: 1955(M). WRD Ark. 1973: 1972. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 229.33 ft (69.900 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 22, 1954, at site 75 ft (23 m) upstream at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--28 years, 265 ft^3/s (7.50 m^3/s), 20.22 in/yr (514 mm/yr), 192,000 acre-ft/yr (237 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,500 ft^3/s (1,005 m^3/s) May 2, 1958, gage height, 28.75 ft (8.763 m); no flow at times in 1956, 1964, 1969, 1972, 1978, 1980.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1905 reached a stage of 29.7 ft (9.05 m), from information by State Highway and Transportation Department, discharge, 40,000 ft^3/s (1,133 m^3/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,000 ft^3/s (170 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Jan. 31	0430	6,220	176	18.14	5.529
Apr. 2	2400	7,550	214	19.34	5.895
Apr. 16	0500	*14,700	416	22.95	6.995

Minimum discharge, 0.34 ft^3/s (0.010 m^3/s) Sept. 28, 29, 30, gage height, 2.50 ft (0.762 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	429	125	28	1260	345	108	142	88	94	11	.85
2	2.0	487	97	43	795	310	1950	130	83	78	27	1.0
3	2.4	298	67	185	729	285	2900	118	60	57	26	1.2
4	2.1	227	55	204	528	411	842	99	287	44	17	1.3
5	2.0	188	47	175	431	346	584	86	234	35	11	1.5
6	2.1	165	42	161	367	545	410	85	143	28	8.3	1.3
7	2.2	145	41	144	313	622	322	244	102	23	7.6	1.0
8	2.1	128	40	122	315	501	287	174	76	18	20	.87
9	2.4	113	38	108	573	413	255	128	57	16	218	1.3
10	2.6	98	35	101	445	353	223	100	46	12	97	1.7
11	2.8	84	32	85	385	312	205	82	37	12	72	1.6
12	2.6	78	30	79	357	279	191	69	46	9.3	53	1.6
13	1.6	69	30	79	348	251	181	68	119	8.3	51	1.6
14	2.3	64	34	76	297	227	173	91	70	6.8	35	1.7
15	4.0	59	35	69	278	239	163	89	55	5.6	20	1.6
16	1850	56	36	83	299	215	7000	69	1160	4.5	13	1.4
17	934	52	34	77	519	199	1650	55	520	4.1	8.0	1.2
18	677	48	30	82	397	185	827	46	257	3.5	4.7	.94
19	253	44	28	78	332	175	2210	40	184	3.0	2.9	.87
20	172	39	26	102	289	170	1950	36	150	2.4	1.9	.82
21	136	36	27	231	262	166	900	33	124	2.4	1.5	.71
22	256	33	33	443	232	158	600	30	127	2.4	1.1	.66
23	603	32	50	1620	211	144	441	29	107	2.2	.84	.57
24	301	31	50	661	196	138	344	30	78	11	.70	.57
25	252	31	43	448	192	128	311	40	62	8.9	.56	.57
26	707	30	39	324	270	122	279	41	53	5.9	.52	.49
27	390	28	37	263	275	112	219	49	75	4.3	.45	.45
28	256	26	34	230	355	106	185	44	103	3.1	.52	.42
29	200	27	33	297	---	97	172	50	161	2.8	.47	.38
30	174	49	30	942	---	95	159	39	120	3.7	.38	.34
31	152	---	29	4240	---	104	---	37	---	13	.52	---
TOTAL	7347.3	3194	1307	11780	11250	7753	26041	2373	4784	524.2	711.96	30.51
MEAN	237	106	42.2	380	402	250	868	76.5	159	16.9	23.0	1.02
MAX	1850	487	125	4240	1260	622	7000	244	1160	94	218	1.7
MIN	1.1	26	26	28	192	95	108	29	37	2.2	.38	.34
CFSM	1.33	.60	.24	2.14	2.26	1.40	4.88	.43	.89	.10	.13	.006
IN.	1.54	.67	.27	2.46	2.35	1.62	5.44	.50	1.00	.11	.15	.01
AC-FT	14570	6340	2590	23370	22310	15380	51650	4710	9490	1040	1410	61

CAL YR 1981 TOTAL 95149.41 MEAN 261 MAX 5410 MIN .82 CFSM 1.47 IN 19.89 AC-FT 188700
WTR YR 1982 TOTAL 77095.97 MEAN 211 MAX 7000 MIN .34 CFSM 1.19 IN 16.11 AC-FT 152900

07361600 LITTLE MISSOURI RIVER NEAR BOUGHTON, AR

LOCATION.--Lat 33°52'32", long 93°18'16", in NE 1/4 sec.13, T.10 S., R.22 W., Nevada County, Hydrologic Unit 08040103, on downstream side of bridge on U.S. Highway 67, 1.5 mi (2.4 km) northeast of Boughton, 5.9 mi (9.5 km) downstream from Howard Creek, 10.2 mi (16.4 km) downstream from Antoine River, and at mile 46.8 (75.3 km).

DRAINAGE AREA.--1,068 mi^2 (2,766 km^2).

PERIOD OF RECORD.--Water years 1948-55, October 1973 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1947 to September 1955.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT 14...	0530	9827	9827	70	7.1	18.0	20.0	15	7.5	82	1.1
NOV 04...	0530	9827	9827	945	7.2	12.0	14.0	25	8.9	86	.7
DEC 16...	0530	9827	9827	190	7.0	.0	6.0	7.0	10.8	86	.9
JAN 20...	0515	9827	9827	478	7.3	5.0	5.0	15	11.4	89	.9
FEB 17...	0500	9827	9827	3720	7.2	10.0	9.0	25	10.5	91	.8
MAR 17...	0515	9827	9827	1330	7.0	21.0	15.0	150	9.4	--	1.3
APR 14...	0515	9827	9827	851	6.9	16.0	15.0	10	9.1	89	1.3
MAY 19...	0500	9827	9827	755	6.8	19.0	16.0	15	--	--	1.0
JUN 22...	0700	9827	9827	660	7.4	21.0	21.0	30	7.9	88	1.8
JUL 13...	0500	9827	9827	364	7.1	21.0	26.0	20	7.4	90	--
AUG 11...	0500	9827	9827	364	7.2	24.0	25.0	25	7.3	87	1.9
SEP 08...	0530	9827	9827	47	7.0	22.0	22.0	20	7.7	87	1.1

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 14...	16	20	3.0	3.5	49	.07	10	--	.040	.010	.070
NOV 04...	92	40	10	6.0	83	.11	10	.11	.040	.050	.010
DEC 16...	8	30	6.0	6.0	46	.06	6	.17	.060	.010	<.010
JAN 20...	64	24	13	8.5	78	.11	10	.22	.140	--	.010
FEB 17...	36	34	--	7.0	73	.10	6	.32	.050	--	.010
MAR 17...	84	16	6.0	4.0	54	.07	10	.20	.080	.030	.010
APR 14...	110	32	--	5.5	--	--	--	.22	--	.040	.010
MAY 19...	160	22	5.0	4.0	50	.07	9	.25	.050	--	.010
JUN 22...	480	44	10	--	85	.12	34	.21	.070	.050	.010
JUL 13...	60	32	9.0	6.5	62	.08	13	.17	.060	.020	--
AUG 11...	200	40	12	12	103	.14	22	.18	.060	--	.010
SEP 08...	<4	44	4.0	6.0	56	.08	12	.10	.080	.040	.020

07361600 LITTLE MISSOURI RIVER NEAR BOUGHTON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT 14...	0530	<5	<1	<1	50	--	<5	68
NOV 04...	0530	<5	<1	--	--	--	<5	61
DEC 16...	0530	5	<1	<1	10	--	<5	75
JAN 20...	0515	<5	<1	3	34	--	<5	80
FEB 17...	0500	11	<1	2	--	--	<5	200
MAR 17...	0515	<5	<1	<1	--	--	<5	140
APR 14...	0515	10	<1	9	31	--	<5	--
MAY 19...	0500	<5	<1	1	--	--	<5	--
JUN 22...	0700	<5	<1	<1	39	--	--	--
JUL 13...	0500	<5	<1	<1	36	<1.0	<5	54
AUG 11...	0500	<5	<1	4	30	--	<5	--
SEP 08...	0530	<5	1	1	--	--	<5	--

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC 16...	0530	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR 17...	0515	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN 22...	0700	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
SEP 08...	0530	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07362000 OUACHITA RIVER AT CAMDEN, AR

LOCATION.--Lat 33°35'47", long 92°49'05", in SE 1/4 sec.14, T.13 S., R.17 W., Ouachita County, Hydrologic Unit 08040102, at bridge on U.S. Highway 79 at Camden, 3.4 mi (5.5 km) downstream from Ecore Fabre Bayou, 6.2 mi (10.0 km) upstream from Two Bayou Creek, and at mile 354.1 (569.7 km).

DRAINAGE AREA.--5,357 mi^2 (13,870 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1928 to September 1960 and October 1965 to current year in reports of Geological Survey. October 1929 to date in reports of Corps of Engineers. Monthly discharge only October 1929 to September 1960 published in WSP 1311 and WSP 1731. Gage heights collected since 1885 in this vicinity are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 71.69 ft (21.851 m) National Geodetic Vertical Datum of 1929. Aug. 8, 1928, to July 10, 1935, and July 11, 1935, to Jan. 4, 1945, nonrecording gage at present site and datum. Jan. 5, 1945, to Oct. 27, 1947, nonrecording gage at site 0.4 mi (0.6 km) downstream at present datum. Aug. 10, 1928, to May 31, 1949, supplementary nonrecording gage, 4.5 mi (7.2 km) upstream. Since Jan. 1, 1957, auxiliary water-stage recorder 3.2 mi (5.1 km) downstream.

REMARKS.--Records good. Flow regulated since 1925 by Lake Catherine, 102 mi (164 km) upstream, capacity, 35,250 acre-ft (43.5 hm^3), since 1932 by Lake Hamilton, capacity 190,100 acre-ft (234 hm^3), since 1949 by Lake Greeson, capacity, 407,900 acre-ft (503 hm^3), since 1952 by Lake Ouachita, capacity, 2,768,400 acre-ft (3,410 hm^3), and since August 1969 by DeGray Lake, capacity, 881,900 acre-ft (1,090 hm^3).

AVERAGE DISCHARGE.--54 years, 7,415 ft^3/s (210 m^3/s), 5,372,000 acre-ft/yr (6,620 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 243,000 ft^3/s (6,880 m^3/s) Apr. 3, 1945, gage height, 44.82 ft (13.661 m); minimum, 125 ft^3/s (3.54 m^3/s) Sept. 16, 24-26, 1943.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24,100 ft^3/s (683 m^3/s) Apr. 6; maximum gage height, 25.63 ft (7.812 m) Apr. 6; minimum daily, 750 ft^3/s (21.2 m^3/s) Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1830	2950	2230	1910	12000	8840	5020	6610	2200	5290	2200	3030
2	1950	2840	2590	1680	18600	8120	5740	5600	1700	5680	2000	2910
3	1950	3940	3570	2010	20000	7320	8210	4590	2200	4560	3120	3220
4	1660	4530	3820	3150	18800	6600	15800	3230	3100	3480	3290	3000
5	1520	4140	3320	4580	16600	6600	21500	3490	2460	2350	3950	2200
6	1640	3910	2810	5020	12800	7490	23600	3850	2100	1800	3940	1420
7	2010	3840	2600	4240	8780	8220	21700	4820	1800	1450	2970	1110
8	2730	4710	1790	3530	6840	9040	17000	5980	3240	1690	2450	1410
9	2700	4290	2000	3890	6220	9270	13000	5640	3570	1490	2300	1270
10	3090	2260	2500	3610	8350	8210	10500	5000	3310	1680	2100	1360
11	2400	1500	2410	3230	10700	7830	9090	4600	3430	1780	2000	1780
12	4100	2900	2850	2800	10900	6930	8060	4020	3040	1760	2000	2480
13	3770	3300	2560	2500	9290	6870	7510	3240	3230	1360	1900	1500
14	3890	3200	2300	2400	7910	6520	6980	3400	2330	1060	1800	900
15	3550	3400	2130	3950	6880	6720	6280	3230	1910	1040	1780	1000
16	3860	3300	3370	3480	6330	7070	6770	3550	2360	1040	2330	1100
17	3900	3700	3120	3210	6610	8490	13600	3860	8740	892	2030	1000
18	3000	5000	2980	2830	9060	9290	20200	3230	11000	1370	3380	1100
19	8880	4830	2470	2990	9960	9190	20700	3940	12300	1910	2910	1200
20	6600	3450	2450	3650	10600	9230	21200	3720	9920	1580	2370	1000
21	4150	2830	2690	3540	9550	9050	22600	2760	6580	2610	1890	900
22	3160	2640	2580	3460	7440	7310	22700	2070	4900	3380	2100	800
23	2940	3070	2760	4500	6240	6150	20700	1370	3300	3340	1780	750
24	4930	4100	2990	6500	6220	6100	16500	2040	2800	3170	2160	932
25	5620	6000	2860	9500	6180	5800	11700	2520	2200	2740	2550	1400
26	3930	6980	3090	8340	6050	5430	8470	3130	1800	2070	3510	1700
27	3720	6920	2500	6110	6860	5420	7890	6900	1400	2000	3600	1340
28	5310	6480	2610	4820	8500	5850	7450	7400	1800	2060	3080	1120
29	4840	5930	2000	3780	---	5070	6440	7900	2400	2470	3410	1010
30	4230	3750	1930	3300	---	4780	6340	6600	5010	2480	3130	1040
31	3750	---	2060	4500	---	4520	---	4000	---	2400	2670	---
TOTAL	111610	120690	81940	123010	274270	223330	393250	132290	116130	71982	80700	44982
MEAN	3600	4023	2643	3968	9795	7204	13110	4267	3871	2322	2603	1499
MAX	8880	6980	3820	9500	20000	9290	23600	7900	12300	5680	3950	3220
MIN	1520	1500	1790	1680	6050	4520	5020	1370	1400	892	1780	750
AC-FT	221400	239400	162500	244000	544000	443000	780000	262400	230300	142800	160100	89220

CAL YR 1981 TOTAL 2081177 MEAN 5702 MAX 36500 MIN 928 AC-FT 4128000
WTR YR 1982 TOTAL 1774184 MEAN 4861 MAX 23600 MIN 750 AC-FT 3519000

07362000 OUACHITA RIVER AT CAMDEN, AR--CONTINUED
(National stream-quality accounting network and pesticide station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-52, October 1974 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1976 to September 1981.
WATER TEMPERATURES: July 1976 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (FTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
NOV 10...	0945	80513	80010	2210	73	7.6	14.5	9.1	9.2	90
JAN 21...	1000	80513	80010	3470	84	7.3	5.0	8.6	12.6	99
MAR 11...	0930	80513	80010	7990	99	7.4	10.0	16	10.9	96
MAY 13...	0915	80513	80010	3480	97	7.3	20.0	14	7.7	85
JUL 15...	1030	80513	80010	910	99	7.4	30.0	8.5	6.4	86
SEP 02...	1000	80513	80010	2650	66	7.4	27.0	15	7.2	91

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)
NOV 10...	K40	K38	19	4.0	5.5	1.2	4.4	32	.5	1.4
JAN 21...	K22	K12	23	1.0	6.9	1.5	5.7	33	.5	1.5
MAR 11...	35	28	27	12	8.2	1.5	6.8	34	.6	1.5
MAY 13...	K27	59	34	15	11	1.7	5.0	23	.4	1.6
JUL 15...	K10	K17	29	7.0	8.6	1.8	5.6	28	.5	1.4
SEP 02...	57	47	21	2.0	5.8	1.6	3.6	26	.4	1.0

DATE	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, DISSOLVED (TONS PER DAY) (70302)
NOV 10...	15	6.7	5.8	<.1	5.5	46	34	.06	274
JAN 21...	22	9.5	7.1	<.1	4.6	65	50	.09	609
MAR 11...	15	11	9.4	<.1	6.0	78	53	.10	1680
MAY 13...	19	6.0	11	<.1	5.2	64	53	.09	601
JUL 15...	22	11	7.5	.1	4.7	68	54	.09	167
SEP 02...	19	5.0	4.5	.1	4.0	44	37	.06	315

07362000 OUACHITA RIVER AT CAMDEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 10...	.26	.050	.06	.16	.060	.030	28	167	68
JAN 21...	.25	.090	.12	.24	.040	.010	8	75	24
MAR 11...	.28	.130	.17	.46	.040	.010	32	690	70
MAY 13...	.16	.090	.12	.85	.050	.030	21	197	93
JUL 15...	.11	.070	.09	.40	.050	.020	16	39	94
SEP 02...	<.10	.060	.08	.40	.040	.020	27	193	88

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA) (01006)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM SUSPENDED RECOVERABLE (UG/L AS CD) (01026)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
NOV 10...	0945	1	0	<100	--	19	<1	--	<1	20
JAN 21...	1000	1	0	100	90	15	1	0	1	30
JUL 15...	1030	1	1	<100	--	35	1	--	<1	10
SEP 02...	1000	1	1	<100	--	27	3	--	<1	20

DATE	TIME	CHROMIUM, SUSPENDED RECOV. (UG/L AS CR) (01031)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO) (01036)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU) (01041)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)
NOV 10...	0945	--	<10	<1	--	<1	17	14	3	650	470
JAN 21...	1000	10	20	<1	--	<1	7	4	3	450	330
JUL 15...	1030	--	<10	5	2	3	7	2	5	1300	1000
SEP 02...	1000	0	20	1	0	1	10	6	4	940	820

DATE	TIME	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB) (01050)	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY DISSOLVED (UG/L AS HG) (71890)
NOV 10...	0945	180	15	13	2	70	30	37	<.1	<.1
JAN 21...	1000	120	5	--	<1	50	20	28	<.1	<.1
JUL 15...	1030	300	11	6	5	180	60	120	<.1	<.1
SEP 02...	1000	120	5	0	5	100	60	39	<.1	<.1

07362000 OUACHITA RIVER AT CAMDEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	SELENIUM, TOTAL (UG/L AS SE) (01147)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN) (01091)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
NOV 10...	0945	<1	<1	<1	<1	40	30	10
JAN 21...	1000	<1	<1	<1	<1	50	40	10
JUL 15...	1030	<1	<1	<1	<1	50	30	21
SEP 02...	1000	<1	<1	<1	<1	20	8	12

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	MALATHION, TOTAL (UG/L) (39530)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39333)
NOV 10...	0945	--	--	--	--	--	--	<.01	<.01	--	<1	<.1
MAY 13...	0915	<.10	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<1	<1	<.1

DATE	CHLORDANE, TOTAL (UG/L) (39350)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	DDD, TOTAL IN BOTTOM MATERIAL (UG/KG) (39363)	DDE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39368)	DDT, TOTAL IN BOTTOM MATERIAL (UG/KG) (39373)	DIAZINON, TOTAL (UG/L) (39570)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDOSULFAN, TOTAL (UG/L) (39388)	ENDOSULFAN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)
NOV 10...	--	<1.0	--	2.7	<.1	<.1	<.01	<.1	--	<.1	<.1
MAY 13...	<.10	<1.0	<.01	<.1	<.1	<.1	.01	<.1	<.01	<.1	<.1

DATE	ETHION, TOTAL (UG/L) (39398)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	METHOXYCHLOR, TOTAL (UG/L) (39480)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL TRITHION, TOTAL (UG/L) (39790)	MIREX, TOTAL (UG/L) (39755)
NOV 10...	<.01	--	<.1	--	<.1	--	<.1	--	<.1	<.01	--
MAY 13...	<.01	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.01

DATE	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) (39758)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L) (39250)	PCN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39251)	PARATHION, TOTAL (UG/L) (39540)	PERTHANE IN BOTTOM MATERIL (UG/KG) (81886)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	TOTAL TRITHION (UG/L) (39786)	2,4-D, TOTAL (UG/L) (39730)	2, 4-DP TOTAL (UG/L) (82183)	2,4,5-T TOTAL (UG/L) (39740)	SILVEX, TOTAL (UG/L) (39760)
NOV 10...	<.1	--	<1.0	<.01	<.10	<1.0	<.01	<.01	.01	<.01	<.01
MAY 13...	<.1	<.10	<1.0	<.01	<1.00	<10	<.01	<.01	<.01	<.01	<.01

07362100 SMACKOVER CREEK NEAR SMACKOVER, AR

LOCATION.--Lat 33°22'33", long 92°46'37", in NW 1/4 SE 1/4 sec.32, T.15 S., R.16 W., Union County, Hydrologic Unit 08040201, near right bank on downstream side of bridge on State Highway 7, 0.1 mi (0.2 km) downstream from Camp Creek, 3.3 mi (5.3 km) northwest of Smackover, and at mile 22.0 (35.4 km).

DRAINAGE AREA.--385 mi^2 (997 km^2).

PERIOD OF RECORD.--October 1961 to current year. Gage-height records collected and occasional discharge measurements made by Corps of Engineers at this site since September 1938. Daily stages 1940 to date and results of discharge measurements 1947 to 1960 are published in reports of Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1967: 1965. WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.56 ft (29.736 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--21 years, 369 ft^3/s (10.4 m^3/s), 13.02 in/yr (331 mm/yr), 267,300 acre-ft/yr (330 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,700 ft^3/s (1,490 m^3/s) June 8, 1974, gage height, 24.97 ft (7.611 m), from rating curve extended above 31,000 ft^3/s (878 m^3/s); no flow for part of Aug. 9, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1938, that of June 8, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 3,880 ft^3/s (110 m^3/s) June 18 at 0500 hours, gage height, 14.91 ft (4.545 m), no other peak above base of 2,400 ft^3/s (68 m^3/s); minimum discharge, 0.44 ft^3/s (0.012 m^3/s) Sept. 12, 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	41	44	26	671	515	95	76	67	856	13	8.4
2	2.3	37	53	26	745	364	94	69	52	461	14	7.1
3	2.1	36	51	40	664	261	167	65	41	173	17	5.7
4	2.0	36	45	69	528	218	274	61	60	108	14	4.5
5	1.9	35	37	90	320	195	255	57	128	83	13	4.3
6	5.4	32	32	105	240	217	182	52	127	68	15	3.3
7	12	30	33	90	232	407	132	82	91	58	12	2.4
8	20	28	39	65	265	504	110	158	62	49	9.4	1.6
9	28	27	33	53	823	431	97	205	45	47	8.2	.88
10	48	24	31	45	1120	292	90	133	35	42	9.4	.77
11	54	22	29	39	1280	223	86	89	37	39	8.6	.55
12	46	21	28	35	1130	198	82	68	644	35	7.1	.66
13	30	21	30	34	861	185	78	56	978	32	5.7	.77
14	20	20	31	36	577	170	73	48	1220	30	5.2	2.0
15	21	22	33	39	385	156	71	44	1320	26	5.0	3.5
16	69	22	35	48	351	146	70	40	1660	25	4.8	3.3
17	217	21	33	59	501	141	144	38	3110	23	4.7	2.6
18	362	21	32	72	526	134	273	36	3690	20	4.4	2.0
19	418	20	30	72	445	126	280	37	2760	17	5.6	2.8
20	247	20	28	77	329	119	296	80	1920	15	5.2	3.2
21	115	19	27	116	246	137	288	52	1430	13	5.1	3.5
22	70	18	29	143	205	260	305	36	983	12	5.3	3.2
23	56	19	31	176	181	355	244	31	788	12	5.4	2.5
24	54	22	33	198	163	309	164	29	568	12	5.4	2.1
25	59	22	37	176	148	208	131	52	271	12	4.6	1.4
26	84	22	34	137	197	159	130	134	160	11	3.9	1.2
27	118	25	30	109	468	132	136	208	169	9.2	2.7	1.3
28	109	27	29	92	592	113	130	342	185	8.7	5.3	1.4
29	83	25	28	80	---	101	106	303	180	8.7	11	1.4
30	62	32	28	83	---	95	86	150	250	9.9	15	1.9
31	49	---	27	358	---	94	---	91	---	10	13	---
TOTAL	2467.2	767	1040	2788	14193	6965	4669	2922	23031	2325.5	258.0	80.23
MEAN	79.6	25.6	33.5	89.9	507	225	156	94.3	768	75.0	8.32	2.67
MAX	418	41	53	358	1280	515	305	342	3690	856	17	8.4
MIN	1.9	18	27	26	148	94	70	29	35	8.7	2.7	.55
CFSM	.21	.07	.09	.23	1.32	.58	.41	.25	2.00	.20	.02	.007
IN.	.24	.07	.10	.27	1.37	.67	.45	.28	2.23	.22	.02	.01
AC-FT	4890	1520	2060	5530	28150	13820	9260	5800	45680	4610	512	159

CAL YR 1981 TOTAL 68958.60 MEAN 189 MAX 3040 MIN 1.9 CFSM .49 IN 6.66 AC-FT 136800
WTR YR 1982 TOTAL 61505.93 MEAN 169 MAX 3690 MIN .55 CFSM .44 IN 5.94 AC-FT 122000

07362110 SMACKOVER CREEK NORTH OF SMACKOVER, AR

LOCATION.--33°22'46", long 92°43'09", in NE 1/4 sec.35, T.15 S., R.16 W., Union County, Hydrologic Unit 08040201, at bridge on county road, 1.1 mi (1.8 km) north of Smackover.

DRAINAGE AREA.--411 mi^2 (1,064 km^2).

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

COOPERATION.--Additional records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
13...	1110	9827	9827	32	6.5	24.0	19.0	8.0	6.9
NOV									
03...	1120	9827	9827	39	5.6	18.0	14.0	7.0	7.5
DEC									
15...	1120	9827	9827	36	5.9	9.0	12.0	4.4	9.7
JAN									
19...	1130	9827	9827	78	6.1	14.0	4.0	4.0	13.0
FEB									
16...	1115	9827	9827	379	5.7	24.0	10.0	8.0	9.9
MAR									
16...	1120	9827	9827	158	5.8	26.0	19.0	6.0	7.7
APR									
06...	1110	9827	9827	197	--	12.0	14.0	15	7.9
MAY									
04...	1120	9827	9827	66	6.0	36.0	22.0	15	--
JUN									
01...	1130	9827	9827	72	5.6	31.0	24.0	25	--
29...	1130	9827	9827	194	5.3	40.0	26.0	25	5.5
JUL									
13...	1120	9827	9827	35	5.8	33.0	27.0	--	3.7
AUG									
03...	1125	9827	9827	18	6.0	43.0	28.0	50	--
31...	1140	9827	9827	14	5.6	38.0	28.0	20	4.6

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT									
13...	73	33	1.1	36	138	<1.0	96	907	1.2
NOV									
03...	72	31	.7	4	190	5.0	520	1020	1.4
DEC									
15...	90	34	1.2	24	174	5.0	1500	883	1.2
JAN									
19...	99	21	.2	4	170	7.0	520	917	1.2
FEB									
16...	88	24	1.8	24	108	8.0	260	599	.81
MAR									
16...	82	32	1.8	28	136	7.0	340	767	1.0
APR									
06...	76	33	1.4	75	154	8.0	430	772	1.0
MAY									
04...	--	31	.8	84	146	--	400	761	1.0
JUN									
01...	--	40	--	26	126	--	380	807	1.1
29...	67	41	.5	76	134	7.0	360	655	.89
JUL									
13...	46	34	1.5	20	138	4.0	500	--	--
AUG									
03...	--	35	.8	56	176	6.0	550	1030	1.4
31...	58	53	1.9	40	--	12	1100	2160	2.9

07362110 SMACKOVER CREEK NORTH OF SMACKOVER, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
13...	8	.06	.070	.13	.20	.26	1.2	--	--
NOV									
03...	8	.10	.070	--	<.10	--	--	.010	<.010
DEC									
15...	13	.04	--	--	<.10	--	--	.010	<.010
JAN									
19...	8	.06	.160	--	--	--	--	--	<.010
FEB									
16...	14	.18	.090	--	--	--	--	.050	<.010
MAR									
16...	12	.05	.110	.09	.20	.25	1.1	<.010	.010
APR									
06...	28	.06	.130	.77	.90	.96	4.2	.030	--
MAY									
04...	18	--	.190	.41	.60	--	--	.040	<.010
JUN									
01...	24	.25	.120	.68	.80	1.1	4.6	.040	.020
29...	22	<.01	.010	1.6	1.60	--	--	.030	.010
JUL									
13...	26	.28	.150	--	--	--	--	.050	--
AUG									
03...	45	.12	.070	--	<.10	--	--	--	<.010
31...	29	.06	.140	--	--	--	--	.110	<.010

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
13...	1110	<5	<1	6	22	--	<5	40
NOV								
03...	1120	7	<1	10	23	--	<5	70
DEC								
15...	1120	27	<1	<1	16	--	<5	39
JAN								
19...	1130	47	<1	<1	11	--	18	38
FEB								
16...	1115	11	<1	1	31	--	<5	96
MAR								
16...	1120	19	<1	<1	--	--	12	86
APR								
06...	1110	--	<1	--	--	--	<5	58
MAY								
04...	1120	--	<1	<1	22	--	--	55
JUN								
01...	1130	21	1	<1	29	--	11	72
29...	1130	<5	<1	3	32	--	--	79
JUL								
13...	1120	<5	2	10	47	<1.0	<5	80
AUG								
03...	1125	<5	<1	1	23	--	5	55
31...	1140	11	2	3	43	--	<5	80

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV											
03...	1120	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB											
16...	1115	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
04...	1120	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
03...	1125	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07362400 OUACHITA RIVER AT LOCK AND DAM 8, NEAR CALION, AR

LOCATION.--Lat 33°18'07", long 92°27'42", in sec.29, T.16 S., R.13 W., Union County, Hydrologic Unit 08040201, at south end on upstream side, at Lock and Dam 8, 7.0 mi (11.3 km) southeast of Calion.

PERIOD OF RECORD.--January 1972 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
13...	0915	9827	9827	3400	7.1	22.0	20.0	20	7.1	77	1.8
NOV											
03...	0915	9827	9827	3000	7.3	16.0	14.0	20	9.0	97	1.1
DEC											
15...	0930	9827	9827	3100	7.3	1.0	12.0	7.5	11.8	109	.4
JAN											
19...	0915	9827	9827	3200	7.2	9.0	4.0	30	11.7	89	1.1
FEB											
16...	0930	9827	9827	8600	6.8	17.0	9.0	15	10.9	94	2.7
MAR											
16...	0915	9827	9827	7100	7.3	25.0	16.0	20	9.4	94	1.5
APR											
06...	0915	9827	9827	19000	--	9.0	13.0	100	8.3	78	1.9
MAY											
04...	0925	9827	9827	5300	6.9	21.0	18.0	15	8.1	85	1.4
JUN											
01...	0940	9827	9827	4200	6.5	19.0	23.0	30	--	--	--
29...	0910	9827	9827	2000	6.4	24.0	26.0	20	5.0	61	--
JUL											
13...	0915	9827	9827	1900	6.8	25.0	28.0	20	6.0	76	1.3
AUG											
03...	0930	9827	9827	2100	7.1	28.0	27.0	30	--	--	1.0
31...	0915	9827	9827	3300	6.9	27.0	28.0	15	6.9	87	1.7

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
13...	12	58	13	94	262	.36	16	.51	.160	--	--
NOV											
03...	8	60	13	--	152	.21	14	.28	.070	.050	.010
DEC											
15...	<4	46	7.0	43	108	.15	13	.17	--	.030	<.010
JAN											
19...	<4	46	12	85	216	.29	22	.33	.260	--	.010
FEB											
16...	16	36	9.0	55	144	.20	16	.28	.120	.100	.010
MAR											
16...	10	36	8.0	43	131	.18	19	.24	.090	.030	.010
APR											
06...	200	42	9.0	19	89	.12	149	.22	.080	.160	--
MAY											
04...	24	34	--	35	131	.18	16	--	.100	.060	<.010
JUN											
01...	16	36	--	--	132	.18	55	.29	.050	.070	.030
29...	40	48	9.0	81	208	.28	14	.24	.110	.040	.030
JUL											
13...	4	38	19	47	--	--	8	.39	.070	.040	--
AUG											
03...	20	40	10	41	176	.24	20	.22	.050	--	.010
31...	4	38	16	55	161	.22	14	.20	.150	.110	.010

07362400 OUACHITA RIVER AT LOCK AND DAM 8, NEAR CALION, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
13...	0915	<5	<1	3	33	--	<5	20
NOV								
03...	0915	<5	<1	3	14	--	<5	21
DEC								
15...	0930	18	<1	<1	14	--	<5	25
JAN								
19...	0915	23	<1	1	11	--	22	30
FEB								
16...	0930	10	<1	1	36	--	<5	38
MAR								
16...	0915	5	<1	<1	--	--	<5	30
APR								
06...	0915	--	<1	--	--	--	<5	26
MAY								
04...	0925	--	<1	3	20	--	--	17
JUN								
01...	0940	<5	<1	<1	15	--	17	21
29...	0910	5	<1	1	25	--	--	38
JUL								
13...	0915	<5	3	3	19	<1.0	<5	30
AUG								
03...	0930	<5	<1	<1	14	--	<5	14
31...	0915	<5	<1	<1	23	--	<5	6

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
NOV											
03...	0915	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
04...	0925	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
03...	0930	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07362500 MORO CREEK NEAR FORDYCE, AR

LOCATION.--Lat 33°47'32", long 92°19'30", in NW 1/4 NW 1/4 sec.3, T.11 S., R.12 W., Calhoun-Cleveland County line, Hydrologic Unit 08040201, near center of stream on downstream side of bridge on State Highway 8, 1,100 ft (340 m) upstream from Caney Creek, 4.0 mi (6.4 km) southeast of Fordyce, 12.0 mi (19.3 km) upstream from White Water Creek, and at mile 38.2 (61.5 km).

DRAINAGE AREA.--240 mi^2 (622 km^2).

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

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 160.63 ft (48.960 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those below 1.0 ft^3/s (0.028 m^3/s), which are fair.

AVERAGE DISCHARGE.--31 years, 233 ft^3/s (6.60 m^3/s), 13.18 in/yr (335 mm/yr), 168,800 acre-ft/yr (208 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,800 ft^3/s (759 m^3/s) May 2, 1958, gage height, 16.47 ft (5.020 m); no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in January 1938 reached a stage of 15.1 ft (4.60 m), from information by Arkansas State Highway and Transportation Department, discharge, 15,800 ft^3/s (447 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,220 ft^3/s (91.2 m^3/s) Apr. 22 at 1000 hours, gage height, 12.05 ft (3.673 m), no other peak above base of 2,800 ft^3/s (79 m^3/s); no flow Oct. 7, Sept. 5-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.60	1.9	4.0	1.5	290	243	35	615	80	290	100	.58
2	.49	4.5	3.6	1.9	322	274	672	681	58	261	80	.24
3	.34	5.3	2.7	3.2	351	289	807	451	39	206	70	.12
4	.19	5.0	2.5	3.9	408	273	592	221	33	107	50	.03
5	.11	4.7	2.5	3.2	526	219	515	117	29	55	45	.00
6	.03	4.1	2.2	2.5	664	172	468	83	43	36	40	.00
7	.00	3.9	2.1	4.3	656	174	349	95	45	26	30	.00
8	.06	3.8	2.0	4.1	484	178	212	252	37	19	30	.00
9	.50	3.5	1.7	3.6	672	201	126	284	28	15	25	.00
10	2.3	3.3	1.6	3.8	572	240	94	306	20	11	20	.00
11	1.8	3.2	1.4	4.8	487	232	73	340	15	8.6	20	.00
12	1.4	3.3	1.4	6.4	499	179	62	330	31	6.8	25	.00
13	.94	3.4	1.3	8.2	554	127	55	199	24	5.7	25	.00
14	.68	3.4	1.3	9.9	575	97	49	87	23	5.0	25	.00
15	1.8	3.3	1.2	12	501	82	44	55	54	4.6	20	.00
16	45	3.4	1.4	15	355	72	41	45	134	4.1	15	.00
17	183	3.5	1.6	17	273	64	85	38	607	2.8	15	.00
18	74	3.5	1.3	20	282	60	248	31	483	2.1	10	.00
19	41	3.4	1.2	24	322	56	607	27	428	2.0	10	.00
20	20	3.1	1.2	31	354	54	2530	23	445	2.0	8.5	.00
21	7.8	3.0	1.3	36	366	89	2730	19	519	1.5	7.0	.00
22	2.1	3.0	1.6	40	325	118	3110	17	494	1.5	6.5	.00
23	4.6	3.2	1.8	47	238	104	2480	16	275	1.5	5.5	.00
24	.85	3.2	1.4	60	151	103	1700	16	144	1.5	5.0	.00
25	.38	3.1	1.0	97	107	107	1220	26	84	1.5	4.5	.00
26	2.3	3.3	1.3	155	108	82	944	82	67	1.5	3.5	.00
27	15	3.1	1.8	202	198	61	624	146	48	1.5	3.0	.00
28	4.1	3.1	1.8	192	247	49	382	142	62	2.0	3.0	.00
29	2.5	3.2	1.2	127	---	44	364	119	199	2.0	3.0	.00
30	1.5	3.8	1.2	83	---	39	453	79	288	4.0	2.5	.00
31	.62	---	1.3	186	---	36	---	77	---	40	1.1	---
TOTAL	415.99	105.5	53.9	1405.3	10887	4118	21671	5019	4836	1128.2	708.1	.97
MEAN	13.4	3.52	1.74	45.3	389	133	722	162	161	36.4	22.8	.032
MAX	183	5.3	4.0	202	672	289	3110	681	607	290	100	.58
MIN	.00	1.9	1.0	1.5	107	36	35	16	15	1.5	1.1	.00
CFSM	.06	.02	.007	.19	1.62	.55	3.01	.68	.67	.15	.10	.000
IN.	.06	.02	.01	.22	1.69	.64	3.36	.78	.75	.17	.11	.00
AC-FT	825	209	107	2790	21590	8170	42980	9960	9590	2240	1400	1.9

CAL YR 1981 TOTAL 48360.74 MEAN 132 MAX 3680 MIN .00 CFSM .55 IN 7.50 AC-FT 95920
WTR YR 1982 TOTAL 50348.96 MEAN 138 MAX 3110 MIN .00 CFSM .58 IN 7.80 AC-FT 99870

07362550 MORO CREEK NEAR BANKS, AR

LOCATION.--Lat 33°32'38", long 92°19'00", in sec.35 T.13 S., R.12 W., Bradley-Calhoun county line, Hydrologic Unit 08040201, at bridge on State Highway 4, 4.0 mi (6.4 km) west of Banks.

DRAINAGE AREA.--385 mi^2 (997 km^2).

PERIOD OF RECORD.--April 1974 to September 1978, October 1979 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY RECORDS, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT											
13...	1005	9827	9827	46	--	6.8	19.0	23.0	10	1.7	20
NOV											
03...	1010	9827	9827	16	--	6.7	21.0	15.0	9.0	6.0	59
DEC											
09...	1630	80153	80010	--	122	6.7	--	9.5	4.2	6.2	54
15...	1024	9827	9827	115	--	6.8	3.0	6.0	4.5	6.8	54
JAN											
19...	1020	9827	9827	172	--	7.2	9.0	3.0	6.6	11.5	85
FEB											
16...	1025	9827	9827	960	--	6.1	17.0	10.0	15	9.6	85
MAR											
16...	1030	9827	9827	235	--	6.5	23.0	18.0	15	6.8	72
APR											
06...	1055	9827	9827	2100	--	--	9.0	12.0	10	7.8	72
MAY											
04...	1015	9827	9827	--	--	--	22.0	23.0	15	6.6	--
JUN											
01...	1045	9827	9827	135	--	6.3	21.0	22.0	35	--	--
29...	1000	9827	9827	260	--	6.4	26.0	24.0	25	5.9	69
JUL											
13...	1000	9827	9827	--	--	6.4	26.0	26.0	25	4.2	51
AUG											
03...	1220	9827	9827	--	--	6.7	30.0	26.0	25	--	--
31...	1030	9827	9827	--	--	6.6	28.0	26.0	20	2.6	32

DATE	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)
OCT											
13...	5.4	60	20	--	--	--	--	--	--	--	--
NOV											
03...	1.1	56	24	--	--	--	--	--	--	--	--
DEC											
09...	--	--	20	.00	5.0	1.8	13	54	1.3	3.3	25
15...	1.1	48	20	--	--	--	--	--	--	--	--
JAN											
19...	1.0	12	22	--	--	--	--	--	--	--	--
FEB											
16...	2.2	36	12	--	--	--	--	--	--	--	--
MAR											
16...	1.4	52	28	--	--	--	--	--	--	--	--
APR											
06...	4.2	68	26	--	--	--	--	--	--	--	--
MAY											
04...	1.4	32	18	--	--	--	--	--	--	--	--
JUN											
01...	--	100	16	--	--	--	--	--	--	--	--
29...	.8	110	2	--	--	--	--	--	--	--	--
JUL											
13...	1.6	68	40	--	--	--	--	--	--	--	--
AUG											
03...	1.1	120	26	--	--	--	--	--	--	--	--
31...	2.1	68	18	--	--	--	--	--	--	--	--

07362550 MORO CREEK NEAR BANKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT											
13...	1.0	23	--	--	104	--	.14	9	--	.04	.040
NOV											
03...	11	8.5	--	--	88	--	.12	4	--	.03	.050
DEC											
09...	5.3	13	<.1	11	94	67	.13	--	<.010	.01	.020
15...	5.0	15	--	--	83	--	.11	8	--	<.01	--
JAN											
19...	7.0	33	--	--	142	--	.19	2	--	.01	.010
FEB											
16...	6.0	7.5	--	--	66	--	.09	9	--	.05	.030
MAR											
16...	8.0	7.5	--	--	81	--	.11	8	--	.02	.070
APR											
06...	10	12	--	--	87	--	.12	13	--	.01	.020
MAY											
04...	--	4.0	--	--	76	--	.10	16	--	--	.110
JUN											
01...	--	8.5	--	--	93	--	.13	18	--	.24	.050
29...	6.0	7.0	--	--	80	--	.11	14	--	.18	.070
JUL											
13...	8.0	11	--	--	--	--	--	12	--	.31	.070
AUG											
03...	8.0	8.0	--	--	94	--	.13	12	--	.10	.040
31...	12	15	--	--	101	--	.14	8	--	.07	.090

DATE	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)
OCT										
13...	--	--	--	--	--	--	--	--	--	--
NOV										
03...	--	--	--	--	.060	--	--	.020	--	--
DEC										
09...	.17	.19	.20	.89	.040	.12	.040	--	.030	.09
15...	--	--	--	--	.050	--	--	.020	--	--
JAN										
19...	--	--	--	--	--	--	--	.020	--	--
FEB										
16...	--	--	--	--	.080	--	--	.010	--	--
MAR										
16...	--	--	--	--	.030	--	--	.010	--	--
APR										
06...	--	--	--	--	.050	--	--	--	--	--
MAY										
04...	--	--	--	--	.070	--	--	<.010	--	--
JUN										
01...	--	--	--	--	.100	--	--	.060	--	--
29...	--	--	--	--	.050	--	--	.040	--	--
JUL										
13...	--	--	--	--	.130	--	--	--	--	--
AUG										
03...	--	--	--	--	--	--	--	.040	--	--
31...	--	--	--	--	.170	--	--	.040	--	--

07362550 MORO CREEK NEAR BANKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT												
13...	1005	--	--	<5	--	--	<1	1	--	36	--	--
NOV												
03...	1010	--	--	<5	--	--	<1	<1	--	14	--	--
DEC												
09...	1630	130	<1	1	<100	60	<1	10	1	5	650	3
15...	1024	--	--	18	--	--	<1	<1	--	18	--	--
JAN												
19...	1020	--	--	7	--	--	<1	<1	--	20	--	--
FEB												
16...	1025	--	--	6	--	--	<1	1	--	24	--	--
MAR												
16...	1030	--	--	8	--	--	<1	<1	--	--	--	--
APR												
06...	1055	--	--	--	--	--	<1	--	--	--	--	--
MAY												
04...	1015	--	--	--	--	--	<1	<1	--	20	--	--
JUN												
01...	1045	--	--	<5	--	--	<1	<1	--	22	--	--
29...	1000	--	--	<5	--	--	<1	8	--	17	--	--
JUL												
13...	1000	--	--	<5	--	--	<1	1	--	41	--	--
AUG												
03...	1220	--	--	<5	--	--	<1	<1	--	30	--	--
31...	1030	--	--	<5	--	--	<1	<1	--	34	--	--

DATE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	URANIUM NATURAL TOTAL (UG/L AS U) (28011)	CARBON, ORGANIC DISSOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C) (00689)
OCT											
13...	--	--	--	--	<5	--	--	24	--	--	--
NOV											
03...	--	--	--	--	<5	--	--	9	--	--	--
DEC											
09...	100	<.1	1	2	<1	<1	80	50	<.60	11	.5
15...	--	--	--	--	<5	--	--	21	--	--	--
JAN											
19...	--	--	--	--	13	--	--	18	--	--	--
FEB											
16...	--	--	--	--	<5	--	--	24	--	--	--
MAR											
16...	--	--	--	--	<5	--	--	25	--	--	--
APR											
06...	--	--	--	--	<5	--	--	24	--	--	--
MAY											
04...	--	--	--	--	--	--	--	18	--	--	--
JUN											
01...	--	--	--	--	17	--	--	25	--	--	--
29...	--	--	--	--	--	--	--	30	--	--	--
JUL											
13...	--	<1.0	--	--	<5	--	--	23	--	--	--
AUG											
03...	--	--	--	--	<5	--	--	41	--	--	--
31...	--	--	--	--	<5	--	--	25	--	--	--

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DIELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
15...	1024	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
16...	1030	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
01...	1045	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
31...	1030	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07363002 SALINE RIVER WEST OF BENTON, AR

LOCATION.--Lat 34°33'46", long 92°36'55", in sec.9, T.2 S., R.15 W., Saline County, Hydrologic Unit 08040203, at bridge on Old U.S. Highway 67, 3.4 (5.5 km) downstream from confluence of North Fork and Alum Fork, and at mile 197.7 (318.1 km).

DRAINAGE AREA.--550 mi^2 (1,424 km^2).

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT												
20...	0943	9827	9827	376	7.2	12.0	15.0	25	7.9	77	--	1.4
DEC												
01...	0930	9827	9827	370	7.5	10.0	10.0	5.5	9.7	86	--	.9
FEB												
02...	0930	9827	9827	1920	7.2	3.0	5.0	20	11.5	90	--	1.1
MAR												
02...	0940	9827	9827	825	7.5	14.0	8.0	--	8.3	92	--	.6
30...	0930	9827	9827	222	7.1	18.0	15.0	3.0	9.5	93	--	1.0
APR												
13...	0930	9827	9827	348	7.3	21.0	15.0	5.0	9.4	92	--	.7
MAY												
18...	0940	9827	9827	143	7.4	25.0	24.0	10	7.3	86	--	1.5
JUN												
08...	0930	9827	9827	249	7.2	29.0	24.0	20	7.0	82	10	1.0
JUL												
20...	0930	9827	9827	35	7.1	26.0	29.0	5.0	7.1	91	--	1.6
AUG												
03...	0940	9827	9827	210	7.3	29.0	27.0	20	6.5	80	--	.7
31...	0930	9827	9827	27	7.4	29.0	27.0	6.5	6.9	85	--	.9
SEP												
28...	0933	9827	9827	7.0	7.4	20.0	19.0	6.7	8.2	87	--	.7

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
20...	190	44	6.0	4.0	81	.11	17	.16	.030	.040	<.010
DEC											
01...	140	64	7.0	4.5	92	.13	8	.04	.010	--	<.010
FEB											
02...	140	44	3.0	4.5	--	--	--	.25	.060	.050	.010
MAR											
02...	52	52	10	5.0	83	.11	7	.06	.050	.020	.010
30...	48	58	--	4.0	83	.11	7	.04	.050	.010	<.010
APR											
13...	80	52	7.0	2.5	78	.11	6	.07	.020	.010	<.010
MAY											
18...	340	60	6.0	4.0	88	.12	10	.06	.050	.030	<.010
JUN											
08...	64	--	5.0	--	92	.13	16	.16	.070	.030	.010
JUL											
20...	12	64	10	--	92	.13	8	.06	.140	.010	<.010
AUG											
03...	68	52	6.0	8.5	100	.14	14	--	.020	--	.010
31...	56	54	8.0	4.5	85	.12	10	.03	--	.020	<.010
SEP											
28...	32	52	7.0	7.5	87	.12	10	.01	.050	.010	.010

07363002 SALINE RIVER WEST OF BENTON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT							
20...	0943	<5	1	5	12	6	--
DEC							
01...	0930	<5	<1	1	10	<5	40
FEB							
02...	0930	10	1	--	15	6	40
MAR							
02...	0940	<5	<1	<1	<10	<5	25
30...	0930	<5	--	<1	<10	6	28
APR							
13...	0930	<5	<1	3	17	<5	--
MAY							
18...	0940	<5	<1	64	<10	<5	43
JUN							
08...	0930	13	<1	3	14	--	75
JUL							
20...	0930	<5	<1	--	16	<5	57
AUG							
03...	0940	<5	<1	--	--	--	--
31...	0930	<5	<1	<1	19	<5	41
SEP							
28...	0933	<5	<1	5	<10	<5	--

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
MAR											
30...	0930	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
08...	0930	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07363200 SALINE RIVER NEAR SHERIDAN, AR

LOCATION.--Lat 34°06'56", long 92°24'21", in NE 1/4 NW 1/4 sec.15, T.7 S., R.13 W., Grant County, Hydrologic Unit 08040203, on downstream side of bridge on U.S. Highway 167, 1.0 mi (1.6 km) upstream from Gamble Creek, 1.6 mi (2.6 km) upstream from Hurricane Creek, 13.5 mi (21.7 km) south of Sheridan, and at mile 131.4 (211.4 km).

DRAINAGE AREA.--1,123 mi^2 (2,910 km^2).

PERIOD OF RECORD.--October 1970 to September 1982 (discontinued as a continuous-record station, converted to a crest-stage partial-record station). Gage-height records since September 1938 are contained in reports of Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 152.86 ft (46.592 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--12 years, 1,601 ft^3/s (45.3 m^3/s), 19.36 in/yr (492 mm/yr), 1,160,000 acre-ft/yr (1,430 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,600 ft^3/s (1,690 m^3/s) June 10, 1974, gage height, 21.36 ft (6.511 m); minimum daily, 5.5 ft^3/s (0.16 m^3/s) Sept. 15, 1980.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1938, 22.42 ft (6.834 m) Feb. 1, 1969, from records of Corps of Engineers, discharge, 71,000 ft^3/s (2,010 m^3/s) computed by Geological Survey.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,700 ft^3/s (445 m^3/s) Apr. 7 at 0300 hours, gage height, 16.57 ft (5.051 m), no other peak above base of 14,000 ft^3/s (400 m^3/s); minimum discharge, 28 ft^3/s (0.79 m^3/s) Sept. 30, gage height, 1.72 ft (0.524 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	431	145	188	2560	1110	382	1920	541	2100	564	65
2	31	353	166	188	2970	1250	406	1370	452	2480	614	68
3	33	306	217	198	3630	1550	749	1060	379	2400	477	70
4	38	281	331	242	6140	1710	1840	869	317	1640	347	63
5	39	258	389	409	7870	1580	2490	729	351	991	267	61
6	40	243	334	754	6230	1570	8420	633	693	625	217	58
7	37	230	295	827	4780	1830	14200	1140	1040	466	199	54
8	36	211	266	685	3810	1910	8760	1670	829	368	174	51
9	35	190	251	540	2850	1970	5470	2130	549	302	226	49
10	35	174	241	450	2320	1890	4010	2100	403	262	621	45
11	36	162	228	406	2350	1600	2450	1750	322	233	531	44
12	42	156	214	406	2520	1330	1360	1380	312	205	473	45
13	43	147	207	408	2550	1140	912	871	276	181	400	43
14	39	139	206	384	2200	1010	720	530	260	158	436	46
15	39	136	215	317	1620	997	611	415	284	138	430	44
16	46	133	218	291	1350	1650	818	367	809	123	331	41
17	62	127	221	293	1350	2210	1440	363	992	110	266	40
18	94	123	220	298	1530	2710	1730	353	1070	101	303	40
19	156	120	221	294	1880	3430	2220	333	1400	96	491	41
20	332	117	217	277	1870	3590	3050	307	1090	89	412	42
21	802	112	213	302	1620	2730	3150	301	654	80	256	40
22	638	111	206	437	1300	1590	3230	342	472	73	185	37
23	412	110	207	1140	1010	1050	3610	330	373	86	154	36
24	342	108	216	1650	837	822	3830	314	311	78	157	35
25	344	118	231	2080	744	714	3350	571	269	147	125	36
26	472	107	240	2350	727	623	2750	671	280	421	100	36
27	502	111	244	2640	817	556	2480	914	278	336	95	35
28	670	129	237	2820	974	494	2410	1510	409	263	104	33
29	1050	129	221	2330	---	444	2500	1570	572	272	94	31
30	881	138	205	1450	---	410	2460	1160	1380	561	81	29
31	582	---	196	1840	---	391	---	735	---	540	70	---
TOTAL	7942	5210	7218	26894	70409	45861	91808	28708	17367	15925	9200	1358
MEAN	256	174	233	868	2515	1479	3060	926	579	514	297	45.3
MAX	1050	431	389	2820	7870	3590	14200	2130	1400	2480	621	70
MIN	31	107	145	188	727	391	382	301	260	73	70	29
CFSM	.23	.16	.21	.77	2.24	1.32	2.73	.83	.52	.46	.26	.04
IN.	.26	.17	.24	.89	2.33	1.52	3.04	.95	.58	.53	.30	.04
AC-FT	15750	10330	14320	53340	139700	90970	182100	56940	34450	31590	18250	2690

CAL YR 1981 TOTAL 306009 MEAN 838 MAX 6610 MIN 31 CFSM .75 IN 10.14 AC-FT 607000
WTR YR 1982 TOTAL 327900 MEAN 898 MAX 14200 MIN 29 CFSM .80 IN 10.86 AC-FT 650400

07363270 HURRICANE CREEK NEAR SARDIS, AR

LOCATION.--Lat 34°30'40", long 92°24'54", in SW 1/4 sec.28, T.2 S., R.13 W., Saline County, Hydrologic Unit 08040203, at crossing on county road, 200 ft (61 m) downstream from Brushy Creek, 1.5 mi (2.4 km) southwest of Sardis.

DRAINAGE AREA.--66.0 mi^2 (170.9 km^2).

PERIOD OF RECORD.--April 1974 to September 1976, October 1977 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
20...	0900	9827	9827	8.0	5.9	7.0	12.0	4.0	9.1
DEC									
01...	0850	9827	9827	12	5.7	8.0	10.0	4.6	9.5
FEB									
02...	0850	9827	9827	--	6.9	1.0	5.0	40	11.0
MAR									
02...	0850	9827	9827	90	7.4	11.0	9.0	--	10.4
30...	0850	9827	9827	5.5	7.4	18.0	15.0	3.4	9.3
APR									
13...	0845	9827	9827	65	7.9	20.0	16.0	9.5	8.8
MAY									
18...	0857	9827	9827	20	7.3	30.0	32.0	7.5	7.8
JUN									
08...	0840	9827	9827	42	7.5	27.0	24.0	15	7.9
JUL									
20...	0850	9827	9827	8.0	7.2	26.0	27.0	1.8	7.3
AUG									
03...	0850	9827	9827	9.0	7.6	30.0	26.0	2.0	7.2
31...	0850	9827	9827	7.5	8.1	26.0	25.0	3.5	7.3
SEP									
28...	0852	9827	9827	--	7.9	16.0	17.0	2.8	8.8

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT									
20...	84	16	.6	16	224	160	6.0	484	.66
DEC									
01...	84	12	1.2	12	328	370	5.5	541	.74
FEB									
02...	86	18	1.2	30	114	100	6.5	--	--
MAR									
02...	90	15	1.0	120	76	73	7.0	167	.23
30...	91	9	.7	72	232	2.0	5.0	478	.65
APR									
13...	88	10	1.0	20	200	250	4.5	405	.55
MAY									
18...	105	15	1.0	120	66	84	5.0	205	.28
JUN									
08...	93	--	1.1	72	--	320	--	535	.73
JUL									
20...	90	6	.3	100	386	540	--	965	1.3
AUG									
03...	88	7	.5	160	340	410	8.5	904	1.2
31...	87	8	.9	150	224	560	13	917	1.2
SEP									
28...	91	--	.4	110	268	620	17	980	1.3

07363270 HURRICANE CREEK NEAR SARDIS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT									
20...	11	.32	.130	--	<.10	--	--	<.010	<.010
DEC									
01...	10	.21	.110	.00	.10	.31	1.4	--	<.010
FEB									
02...	--	.25	.150	.05	.20	.45	2.0	.090	<.010
MAR									
02...	18	.21	.070	--	--	--	--	.050	<.010
30...	10	.19	.080	1.3	1.40	1.6	7.0	.010	<.010
APR									
13...	18	.22	.190	.00	.10	.32	1.4	.020	<.010
MAY									
18...	8	.13	.030	.27	.30	.43	1.9	.020	<.010
JUN									
08...	20	.29	.210	--	--	--	--	.010	<.010
JUL									
20...	6	.33	.020	--	--	--	--	.010	<.010
AUG									
03...	7	--	.050	--	<.10	--	--	--	<.010
31...	10	.32	--	--	--	--	--	.010	<.010
SEP									
28...	4	.19	.050	--	--	--	--	<.010	<.010

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT							
20...	0900	<5	<1	<1	11	15	--
DEC							
01...	0850	<5	<1	<1	<10	12	49
FEB							
02...	0850	5	<1	<1	--	10	42
MAR							
02...	0850	<5	<1	<1	<10	6	30
30...	0850	<5	--	<1	<10	9	48
APR							
13...	0845	16	<1	6	<10	7	42
MAY							
18...	0857	<5	<1	5	<10	<5	30
JUN							
08...	0840	8	<1	6	13	--	77
JUL							
20...	0850	<5	<1	--	21	<5	72
AUG							
03...	0850	<5	<1	--	--	--	--
31...	0850	8	1	16	23	6	97
SEP							
28...	0852	7	1	6	20	8	--

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
01...	0850	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
02...	0850	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAY											
18...	0857	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
03...	0850	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07363300 HURRICANE CREEK NEAR SHERIDAN, AR

LOCATION.--Lat 34°19'10", long 92°20'40", in NW 1/4 NE 1/4 sec.6, T.5 S., R.12 W., Grant County, Hydrologic Unit 08040203, on downstream side of bridge on U.S Highway 270, 2.8 mi (4.5 km) downstream from Simpson Creek, 3.5 mi (5.6 km) east of Sheridan, and at mile 16.9 (27.2 km).

DRAINAGE AREA.--204 mi^2 (528 km^2).

PERIOD OF RECORD.--Occasional low-flow measurements 1957-61. October 1961 to current year. Gage-height records and results of discharge measurements 1960-63 are published in reports of Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1970: 1969.

GAGE.--Water-stage recorder. Datum of gage is 200.00 ft (60.960 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good except those for the period of no gage-height record, June 4 to July 12, which are fair.

AVERAGE DISCHARGE.--21 years, 223 ft^3/s (6.32 m^3/s), 14.84 in/yr (377 mm/yr), 161,600 acre-ft/yr (199 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,100 ft^3/s (513 m^3/s) Apr. 24, 1964, gage height, 15.93 ft (4.855 m); no flow at times in 1972, 1976, 1977, 1978, 1980.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1939, 18.55 ft (5.654 m) June 27, 1960, from floodmarks, discharge, 52,300 ft^3/s (1,480 m^3/s) by contracted-opening measurement.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,620 ft^3/s (159 m^3/s) Apr. 4, gage height, at 1400 hours, 14.36 ft (4.377 m), no other peak above base of 5,000 ft^3/s (140 m^3/s); minimum discharge, 2.9 ft^3/s (0.08 m^3/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	4.4	9.5	30	726	289	52	203	71	250	20	12
2	7.6	6.6	14	34	998	355	76	161	56	150	50	12
3	7.2	10	11	38	1060	285	537	158	50	100	40	12
4	6.7	13	9.1	44	758	219	4330	123	50	95	35	24
5	6.4	13	9.1	45	303	238	3030	95	40	70	25	19
6	6.9	12	8.6	30	191	263	1540	81	30	60	20	12
7	7.7	15	11	23	152	335	638	372	35	45	20	9.0
8	8.9	15	10	20	129	336	263	1220	45	35	20	7.0
9	9.1	14	9.1	18	267	234	206	1300	35	30	15	10
10	8.8	11	8.6	16	457	174	187	523	25	25	10	11
11	8.6	9.7	11	15	388	156	151	179	15	20	10	9.7
12	8.2	8.1	11	16	254	145	127	114	30	15	15	9.8
13	7.9	8.2	12	16	183	135	109	87	25	14	20	9.5
14	7.7	10	12	17	151	134	97	73	25	11	15	10
15	7.0	11	12	19	129	277	87	65	70	9.3	10	9.9
16	9.1	10	13	20	126	421	87	66	250	9.3	8.5	11
17	14	9.2	15	22	277	322	315	64	700	14	6.5	10
18	24	11	16	24	516	202	710	50	600	15	10	10
19	47	10	17	25	489	153	672	58	550	13	20	9.5
20	23	10	18	27	292	129	1310	280	600	11	100	9.0
21	12	12	20	39	189	114	1740	229	600	9.5	80	8.1
22	7.9	13	22	135	147	100	985	161	350	9.4	60	6.5
23	9.0	12	24	152	123	86	361	256	200	17	40	6.0
24	17	10	25	272	110	78	206	305	150	23	30	6.0
25	16	9.2	26	196	100	76	161	288	100	16	25	6.5
26	11	9.2	28	108	103	70	242	549	80	13	15	6.0
27	31	7.7	27	82	144	69	489	550	60	14	15	5.0
28	25	7.6	29	68	202	62	417	225	50	11	14	4.5
29	12	7.9	31	67	---	55	230	133	150	10	12	4.0
30	8.1	9.1	31	69	---	51	212	111	300	10	12	4.0
31	6.1	---	32	300	---	50	---	83	---	15	13	---
TOTAL	388.5	308.9	532.0	1987	8964	5613	19567	8162	5342	1139.5	786.0	283.0
MEAN	12.5	10.3	17.2	64.1	320	181	652	263	178	36.8	25.4	9.43
MAX	47	15	32	300	1060	421	4330	1300	700	250	100	24
MIN	6.1	4.4	8.6	15	100	50	52	50	15	9.3	6.5	4.0
CFSM	.06	.05	.08	.31	1.57	.89	3.20	1.29	.87	.18	.13	.05
IN.	.07	.06	.10	.36	1.63	1.02	3.57	1.49	.97	.21	.14	.05
AC-FT	771	613	1060	3940	17780	11130	38810	16190	10600	2260	1560	561

CAL YR 1981	TOTAL	34288.54	MEAN	93.9	MAX	2320	MIN	.61	CFSM .46	IN 6.25	AC-FT	68010
WTR YR 1982	TOTAL	53072.90	MEAN	145	MAX	4330	MIN	4.0	CFSM .71	IN 9.68	AC-FT	105300

07363500 SALINE RIVER NEAR RYE, AR

LOCATION.--Lat 33°42'03", long 92°01'33", in SW 1/4 NW 1/4 sec.3, T.12 S., R.9 W., Bradley County, Hydrologic Unit 08040204, near left bank on downstream side of bridge on State Highway 15, 3.6 mi (5.8 km) southwest of Rye, 5.8 mi (9.3 km) upstream from Hudgin Creek, and at mile 71.0 (114.2 km).

DRAINAGE AREA.--2,102 mi^2 (5,440 km^2).

PERIOD OF RECORD.--August 1937 to current year.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.06 ft (29.584 m) National Geodetic Vertical Datum of 1929. Prior to May 30, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--45 years, 2,559 ft^3/s (72.5 m^3/s), 16.53 in/yr (420 mm/yr), 1,854,000 acre-ft/yr (2,290 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 74,500 ft^3/s (2,110 m^3/s) May 18, 1968, gage height, 31.40 ft (9.571 m); minimum, 3.5 ft^3/s (0.099 m^3/s) Sept. 27, 28, 1954, gage height, 3.84 ft (1.170 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1927 reached a stage of 30.5 ft (9.30 m), discharge, about 73,000 ft^3/s (2,070 m^3/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,120 ft^3/s (230 m^3/s) Apr. 23, gage height, 20.33 ft (6.197 m), no peak above base of 10,000 ft^3/s (280 m^3/s); minimum discharge, 39 ft^3/s (1.10 m^3/s) Oct. 14, gage height, 4.51 ft (1.375 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	884	133	229	2700	1750	668	5800	1740	1090	562	132
2	47	677	137	219	2620	1920	2150	5230	1350	1520	607	119
3	45	505	138	214	2840	2000	3580	4410	808	1920	680	109
4	44	404	140	209	3040	2050	3180	3420	649	2200	687	101
5	44	345	147	204	3170	2160	2650	2260	548	2370	570	114
6	42	318	185	208	3320	2290	2650	1520	459	2220	438	116
7	48	292	307	323	3550	2350	2730	1200	493	1550	338	109
8	49	269	345	658	4000	2350	3020	1310	873	954	273	102
9	55	256	311	780	5300	2430	3650	1860	1150	668	243	105
10	57	246	293	706	6230	2560	4700	2330	993	533	220	110
11	51	228	274	580	6580	2610	5860	2630	724	456	273	104
12	45	209	261	499	6740	2570	6770	2800	565	390	591	105
13	41	196	251	437	6610	2390	7270	2770	467	355	594	97
14	39	184	240	382	6050	2050	7330	2470	428	324	515	91
15	43	176	228	337	5110	1720	6720	1820	401	295	465	85
16	81	169	218	337	4190	1500	4580	1080	430	270	508	80
17	89	161	215	341	3490	1490	3170	715	1360	250	497	84
18	74	154	218	338	2880	1820	3760	590	2750	235	401	77
19	74	150	222	332	2570	2190	4540	542	3010	220	326	69
20	77	144	223	333	2530	2530	6090	511	2590	200	391	66
21	94	137	226	373	2570	3120	7260	476	2140	190	608	64
22	238	134	228	385	2580	3700	7920	439	1770	180	577	65
23	666	130	227	455	2490	3820	8100	466	1580	175	403	69
24	658	127	224	658	2200	3660	7930	593	1350	170	279	72
25	490	124	219	1180	1740	2750	7580	606	901	165	221	70
26	404	122	215	1630	1400	1690	7010	663	613	156	200	65
27	378	120	216	1960	1440	1210	6370	951	489	155	195	62
28	457	123	223	2180	1580	1010	5960	1170	544	260	174	59
29	526	124	230	2340	---	880	5890	1390	952	372	152	62
30	668	125	234	2490	---	792	5930	1730	1000	353	147	60
31	926	---	235	2670	---	722	---	1930	---	405	143	---
TOTAL	6599	7233	6963	23987	99520	66084	155018	55682	33127	20601	12278	2623
MEAN	213	241	225	774	3554	2132	5167	1796	1104	665	396	87.4
MAX	926	884	345	2670	6740	3820	8100	5800	3010	2370	687	132
MIN	39	120	133	204	1400	722	668	439	401	155	143	59
CFSM	.10	.12	.11	.37	1.69	1.01	2.46	.85	.53	.32	.19	.04
IN.	.12	.13	.12	.42	1.76	1.17	2.74	.99	.59	.36	.22	.05
AC-FT	13090	14350	13810	47580	197400	131100	307500	110400	65710	40860	24350	5200

CAL YR 1981 TOTAL 508714 MEAN 1394 MAX 12900 MIN 39 CFSM .66 IN 9.00 AC-FT 1009000
WTR YR 1982 TOTAL 489715 MEAN 1342 MAX 8100 MIN 39 CFSM .64 IN 8.67 AC-FT 971300

07364012 SALINE RIVER NEAR FOUNTAIN HILL, AR

LOCATION.--Lat 33°22'42", long 91°57'35", in sec.30, T.15 S., R.8 W., Ashley County, Hydrologic Unit 08040204, at bridge on State Highway 160, 8.0 mi (12.9 km) west of Fountain Hill.

PERIOD OF RECORD.--January 1972 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT											
27...	0940	9827	9827	7.5	13.0	13.0	15	9.2	87	1.1	20
DEC											
01...	1230	9827	9827	7.3	12.0	13.0	7.0	9.5	90	1.5	<10
FEB											
02...	0915	9827	9827	7.0	7.0	6.0	35	9.8	78	2.3	180
MAR											
02...	0945	9827	9827	6.9	13.0	9.0	--	10.5	91	1.0	180
30...	1000	9827	9827	7.0	20.0	15.0	15	8.6	84	1.5	16
APR											
27...	1258	9827	9827	--	29.0	17.0	10	--	--	--	20
MAY											
04...	1315	9827	9827	8.0	21.0	18.0	3.2	11.2	118	2.1	24
25...	1230	9827	9827	6.8	37.0	26.0	30	6.6	94	--	20
JUN											
22...	1230	9827	9827	6.5	38.0	25.0	15	7.1	84	2.0	50
JUL											
27...	1205	9827	9827	--	42.0	31.0	8.6	6.1	81	1.4	<4
AUG											
23...	1245	9827	9827	7.2	30.0	33.0	25	7.7	122	1.9	4
SEP											
21...	1215	9827	9827	7.3	27.0	24.0	25	4.5	53	2.1	12

DATE	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT										
27...	60	--	6.5	--	--	12	.05	.030	.060	<.010
DEC										
01...	56	30	7.0	99	.13	9	.01	.010	.090	.010
FEB										
02...	34	21	7.5	88	.12	29	.16	.240	.100	.040
MAR										
02...	44	30	7.5	96	.13	10	.10	.040	.050	.050
30...	42	24	7.0	108	.15	14	.14	.060	.070	.020
APR										
27...	28	9.0	3.0	77	.10	8	.03	.050	.060	.010
MAY										
04...	108	--	2.5	127	.17	4	.10	.040	.010	.010
25...	40	12	6.0	97	.13	24	.25	.070	.070	.060
JUN										
22...	30	--	4.0	124	.17	10	--	.050	--	--
JUL										
27...	50	--	7.5	95	.13	8	--	.060	--	.010
AUG										
23...	46	--	4.5	101	.14	14	.24	.030	--	--
SEP										
21...	40	33	8.0	110	.15	15	.05	.060	.060	.010

07364012 SALINE RIVER NEAR FOUNTAIN HILL, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
27...	0940	<5	<1	4	--	--	--	--
DEC								
01...	1230	<5	--	--	17	--	<5	14
FEB								
02...	0915	14	<1	--	19	--	8	30
MAR								
02...	0945	<5	<1	0	16	--	<1	28
30...	1000	--	<1	<1	24	--	<5	20
APR								
27...	1258	<5	<1	2	--	--	<5	21
MAY								
04...	1315	<5	<1	<1	<10	--	--	<3
25...	1230	<5	<1	11	24	--	5	16
JUN								
22...	1230	--	<1	6	--	--	--	--
JUL								
27...	1205	<5	<1	--	21	<1.0	<5	21
AUG								
23...	1245	<5	<1	2	19	--	<5	18
SEP								
21...	1215	<5	<1	--	31	--	<5	<3

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
FEB											
02...	0915	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
27...	1258	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
27...	1205	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07364088 COFFEE CREEK NEAR CROSSETT, AR

LOCATION.--Lat 33°06'18", long 92°02'05", in sec.33, T.18 S., R.9 W., Ashley County, Hydrologic Unit 08040202, below mill pond, at bridge on county road, 2.5 mi (4.0 km) southwest of Crossett.

PERIOD OF RECORD.--January 1972 to current year.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
MAR											
30...	0910	9827	9827	7.5	18.0	18.0	20	.9	9	55	--
APR											
27...	0910	9827	9827	--	15.0	20.0	20	--	--	--	>1200
MAY											
25...	0920	9827	9827	7.2	23.0	27.0	--	<.1	--	--	12
JUN											
22...	0850	9827	9827	7.3	25.0	28.0	15	--	--	33	2600
JUL											
27...	0900	9827	9827	--	26.0	31.0	30	.0	0	44	<4
AUG											
23...	0915	9827	9827	7.5	26.0	30.0	25	.7	9	17	50
SEP											
21...	0915	9827	9827	7.7	14.0	24.0	25	1.0	12	--	<20

DATE	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
MAR										
30...	196	290	390	1630	2.2	82	.44	.770	1.44	.330
APR										
27...	250	120	420	1320	1.8	62	.13	.830	1.20	.180
MAY										
25...	190	130	410	1440	2.0	64	.26	.130	.640	.200
JUN										
22...	200	--	410	1270	1.7	48	--	.370	--	--
JUL										
27...	46	--	280	1470	2.0	64	--	1.50	--	.220
AUG										
23...	200	--	550	1350	1.8	46	.10	1.00	--	--
SEP										
21...	250	170	500	1440	2.0	31	.10	.930	.640	.290

07364088 COFFEE CREEK NEAR CROSSETT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAR 30...	0910	--	<1	38	50	--	5	91
APR 27...	0910	31	<1	28	--	--	14	62
MAY 25...	0920	34	1	34	58	--	67	87
JUN 22...	0850	--	1	30	--	--	<5	--
JUL 27...	0900	<5	2	--	77	<1.0	<5	54
AUG 23...	0915	7	1	23	43	--	<5	99
SEP 21...	0915	10	1	--	48	--	5	71

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JUL 27...	0900	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07364115 BAYOU BARTHOLOMEW NEAR LADD, AR

LOCATION.--Lat 34°06'24", long 91°54'06", in NW 1/2 sec.22, T.7 S., R.8 W., Jefferson County, Hydrologic Unit 08040205, at bridge on county road, 2.2 mi (3.5 km) south of Ladd.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
20...	1335	9827	9827	--	6.8	23.0	17.0	20	5.7	59	2.0
DEC											
01...	1430	9827	9827	--	7.1	13.0	12.0	35	8.9	82	2.8
FEB											
02...	1335	9827	9827	--	6.7	15.0	8.0	110	7.3	61	2.7
MAR											
02...	1345	9827	9827	--	6.7	23.0	11.0	--	8.8	79	1.8
30...	1400	9827	9827	--	6.7	25.0	18.0	30	6.3	66	1.6
APR											
13...	1315	9827	9827	--	6.9	24.0	18.0	20	6.5	68	1.5
MAY											
18...	1350	9827	9827	--	6.6	35.0	28.0	40	4.6	58	1.9
JUN											
08...	1330	9827	9827	182	6.8	41.0	29.0	35	4.9	63	2.8
JUL											
20...	1320	9827	9827	38	7.0	36.0	35.0	40	7.4	104	3.6
AUG											
03...	1315	9827	9827	116	6.9	36.0	29.0	55	4.1	52	2.5
31...	1330	9827	9827	42	7.1	37.0	31.0	40	7.3	97	4.0
SEP											
28...	1355	9827	9827	32	7.3	29.0	25.0	50	7.8	93	2.2

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
20...	70	34	8.0	11	77	.10	32	.04	.050	.100	.010
DEC											
01...	150	36	8.0	8.0	78	.11	38	.07	.040	--	.030
FEB											
02...	480	18	13	8.0	--	--	--	.40	.210	.390	.190
MAR											
02...	160	20	14	7.0	98	.13	16	.18	.150	.170	.120
30...	53	32	--	7.5	111	.15	39	.23	.100	.330	.190
APR											
13...	<4	34	15	10	104	.14	30	.19	.070	.240	.130
MAY											
18...	36	26	12	7.0	99	.13	40	.22	.030	.360	.200
JUN											
08...	64	44	17	19	125	.17	47	.28	.070	.270	.160
JUL											
20...	<4	54	11	--	126	.17	32	.08	.010	.340	.190
AUG											
03...	28	38	20	13	112	.15	70	--	.020	--	.050
31...	36	28	15	7.0	100	.14	48	.10	--	.320	.180
SEP											
28...	20	28	9.0	12	96	.13	48	.05	.060	.160	.070

07364115 BAYOU BARTHOLOMEW NEAR LADD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT							
20...	1335	8	<1	<1	20	<5	--
DEC							
01...	1430	<5	<1	<1	<10	7	40
FEB							
02...	1335	7	<1	4	--	<5	40
MAR							
02...	1345	<5	<1	<1	<10	<5	37
30...	1400	<5	--	<1	14	5	52
APR							
13...	1315	<5	<1	2	<10	<5	42
MAY							
18...	1350	<5	<1	4	<10	<5	27
JUN							
08...	1330	17	<1	3	<10	--	66
JUL							
20...	1320	11	<1	--	25	<5	110
AUG							
03...	1315	<5	<1	--	--	--	--
31...	1330	7	<1	3	10	7	50
SEP							
28...	1355	6	1	3	18	<5	--

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
DEC											
01...	1430	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
MAR											
02...	1345	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
AUG											
03...	1315	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07364150 BAYOU BARTHOLOMEW NEAR MCGEHEE, AR

LOCATION.--Lat 33°37'40", long 91°26'45", in NE 1/4 SW 1/4 sec.30, T.12 S., R.3 W., Desha County, Hydrologic Unit 08050001, near center of stream on downstream side of bridge on State Highway 4, 2.7 mi (4.3 km) west of McGehee, 17.5 mi (28.2 km) downstream from Ables Creek, and at mile 200.5 (322.6 km).

DRAINAGE AREA.--576 mi^2 (1,492 km^2).

PERIOD OF RECORD.--October 1938 to September 1942, October 1945 to current year. Gage-height records collected and occasional discharge measurements made by Corps of Engineers at this site since August 1938. Daily stages 1940 to date and results of discharge measurements 1938, 1947 to date are published in reports of Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 120.48 ft (36.722 m) National Geodetic Vertical Datum of 1929, supplementary adjustment of 1941. Prior to Sept. 7, 1949, nonrecording gage at same site. October 1938 to June 6, 1972, at datum 1.00 ft (0.305 m) higher. Since Jan. 20, 1971, auxiliary water-stage recorder 14 mi (23 km) upstream.

REMARKS.--Records good except those for period of no gage-height record, Nov. 7 to Dec. 16, which are fair.

AVERAGE DISCHARGE.--41 years (1939-42, 1946-82), 670 ft^3/s (19.0 m^3/s), 15.80 in/yr (401 mm/yr), 485,400 acre-ft/yr (598 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,870 ft^3/s (195 m^3/s) May 11, 1958, gage height, 25.49 ft (7.769 m), present datum; minimum, 0.20 ft^3/s (0.006 m^3/s) Aug. 15-23, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1930, that of May 11, 1958. Flood in 1932 reached a stage of 23.4 ft (7.13 m), present datum, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,620 ft^3/s (74.2 m^3/s) Apr. 27; maximum gage height, 16.51 ft (5.032 m) Apr. 28; minimum discharge, 19 ft^3/s (0.54 m^3/s) July 26, gage height, 1.31 ft (0.399 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	151	45	42	621	820	388	2360	138	484	127	137
2	46	155	45	50	712	820	593	2220	156	496	141	131
3	43	178	50	61	758	760	728	2060	159	489	156	133
4	40	215	50	69	785	740	906	1910	154	476	166	131
5	39	241	45	74	799	710	1070	1760	139	456	169	127
6	38	250	45	73	799	690	1180	1610	122	428	179	122
7	38	260	40	70	780	660	1220	1470	108	391	201	117
8	40	260	35	70	776	630	1210	1340	99	351	211	111
9	42	270	35	65	1010	600	1140	1220	94	329	207	105
10	44	260	30	65	1160	570	1030	1100	93	274	187	102
11	43	250	30	60	1230	547	908	994	97	220	160	99
12	42	230	30	60	1300	520	781	891	107	177	135	101
13	41	220	30	55	1400	485	652	790	113	141	127	100
14	39	200	25	55	1510	449	527	692	116	117	162	95
15	38	190	25	50	1590	414	416	594	116	98	200	94
16	47	180	25	50	1650	382	354	496	131	74	223	93
17	116	160	26	50	1660	352	316	406	167	64	271	90
18	209	150	26	45	1620	330	290	346	193	48	332	86
19	255	130	25	45	1540	310	277	271	209	36	391	80
20	255	120	25	50	1440	291	700	214	232	25	389	75
21	242	110	24	50	1340	271	1090	171	271	25	360	71
22	229	100	25	55	1230	256	1520	138	324	20	331	68
23	215	90	25	65	1120	259	1930	119	387	20	306	63
24	201	80	25	80	1010	306	2240	117	496	20	286	57
25	189	70	25	120	910	385	2460	119	529	20	272	51
26	186	65	26	190	841	512	2580	119	531	19	256	46
27	184	60	26	280	838	550	2620	120	521	24	235	41
28	186	50	27	341	827	549	2600	123	521	43	214	37
29	179	50	28	370	---	521	2560	123	516	76	191	33
30	168	50	34	382	---	477	2470	119	504	98	170	30
31	158	---	38	475	---	426	---	123	---	114	149	---
TOTAL	3641	4795	990	3567	31256	15592	36756	24135	7343	5653	6904	2626
MEAN	117	160	31.9	115	1116	503	1225	779	245	182	223	87.5
MAX	255	270	50	475	1660	820	2620	2360	531	496	391	137
MIN	38	50	24	42	621	256	277	117	93	19	127	30
CFSM	.20	.28	.06	.20	1.94	.87	2.13	1.35	.43	.32	.39	.15
IN.	.24	.31	.06	.23	2.02	1.01	2.37	1.56	.47	.37	.45	.17
AC-FT	7220	9510	1960	7080	62000	30930	72910	47870	14560	11210	13690	5210

CAL YR 1981	TOTAL	111503	MEAN 305	MAX 1980	MIN 24	CFSM .53	IN 7.20	AC-FT	221200	
WTR YR 1982	TOTAL	143258	MEAN 392	MAX 2620	MIN 19	CFSM .68	IN 9.25	AC-FT	284200	

07364600 BAYOU DE LOUTRE NEAR EL DORADO, AR

LOCATION.--Lat 33°05'55", long 92°35'32", in SE 1/4 NW 1/4 sec.6, T.19 S., R.14 W., Union County, Hydrologic Unit 08040202, at bridge on county road, 0.8 mi (1.3 km) downstream from Highbank Creek, and 8.5 mi (13.7 km) southeast of El Dorado.

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

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
13...	0820	9827	9827	213	6.3	22.0	20.0	40	4.0
NOV									
03...	0830	9827	9827	27	6.9	13.0	15.0	5.0	5.3
DEC									
15...	0830	9827	9827	44	7.1	-2.0	4.0	3.2	8.3
JAN									
19...	0830	9827	9827	51	7.0	12.0	6.0	3.8	9.7
FEB									
16...	0820	9827	9827	57	6.8	15.0	13.0	15	5.9
MAR									
16...	0830	9827	9827	36	7.1	23.0	20.0	20	3.6
APR									
06...	0830	9827	9827	96	--	6.0	11.0	15	4.5
MAY									
04...	0830	9827	9827	21	7.3	15.0	20.0	15	4.5
JUN									
01...	0845	9827	9827	10	7.3	18.0	24.0	25	--
29...	0830	9827	9827	82	6.5	22.0	24.0	15	3.4
JUL									
12...	0830	9827	9827	8.6	7.3	22.0	26.0	9.5	3.4
AUG									
03...	0820	9827	9827	10	7.4	23.0	26.0	6.9	--
31...	0820	9827	9827	21	6.8	24.0	27.0	15	3.3

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)
OCT									
13...	43	1.5	150	286	41	700	1750	2.4	8
NOV									
03...	52	1.1	110	424	45	1300	2430	3.3	14
DEC									
15...	63	1.1	56	568	54	1900	3160	4.3	21
JAN									
19...	78	1.9	120	452	79	1500	588	.80	14
FEB									
16...	56	3.5	2700	220	39	680	1290	1.8	18
MAR									
16...	39	4.6	44	424	38	1300	2610	3.5	28
APR									
06...	41	1.1	140	182	28	620	1000	1.4	26
MAY									
04...	49	2.6	1700	642	--	2100	3950	5.4	28
JUN									
01...	--	--	140	--	--	1700	3190	4.3	42
29...	40	.8	240	54	26	490	984	1.3	16
JUL									
12...	41	2.2	68	558	66	2000	--	--	25
AUG									
03...	--	--	130	780	90	2700	4600	6.3	31
31...	41	2.1	180	380	180	1100	2300	3.1	26

07364600 BAYOU DE LOUTRE NEAR EL DORADO, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN, TOTAL (MG/L AS NO3) (71887)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT								
13...	.42	.350	--	--	--	--	--	--
NOV								
03...	.77	.150	--	--	--	--	.070	.020
DEC								
15...	2.0	--	--	--	--	--	.040	.010
JAN								
19...	.92	.780	--	--	--	--	--	.010
FEB								
16...	1.6	.950	--	--	--	--	.190	.030
MAR								
16...	1.3	.380	--	--	--	--	.050	.050
APR								
06...	.69	.200	--	--	--	--	.200	--
MAY								
04...	--	.250	--	--	--	--	.100	<.010
JUN								
01...	1.8	.150	.75	.90	2.7	12	.140	.050
29...	.17	.140	--	--	--	--	.200	.120
JUL								
12...	.74	.250	--	--	--	--	.080	--
AUG								
03...	2.0	.400	--	--	--	--	--	.080
31...	.44	.300	--	--	--	--	.220	.050

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
13...	0820	16	1	9	26	--	11	430
NOV								
03...	0830	22	<1	13	17	--	<5	68
DEC								
15...	0830	73	2	13	18	--	65	80
JAN								
19...	0830	9	1	13	17	--	40	90
FEB								
16...	0820	19	<1	3	26	--	<5	89
MAR								
16...	0830	34	<1	6	--	--	<5	30
APR								
06...	0830	--	<1	--	--	--	6	50
MAY								
04...	0830	--	<1	12	20	--	--	65
JUN								
01...	0845	<5	<1	19	13	--	<5	49
29...	0830	38	<1	13	18	--	--	65
JUL								
12...	0830	<5	8	14	55	<1.0	5	75
AUG								
03...	0820	9	<1	10	23	--	29	57
31...	0820	9	2	3	23	--	<5	77

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN											
19...	0830	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
06...	0830	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
29...	0830	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
12...	0830	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

07365800 CORNIE BAYOU NEAR THREE CREEKS, AR

LOCATION.--Lat 33°02'21", long 92°56'15", in SW 1/4 NW 1/4 sec.36, T.19 S., R.18 W., Union County, Hydrologic Unit 08040206, on left bank at downstream side of bridge on State Highway 15, 3.4 mi (5.5 km) downstream from Pidgeon Roost Creek, and 6.0 mi (9.7 km) southwest of town of Three Creeks.

DRAINAGE AREA.--180 mi^2 (466 km^2).

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--February 1956 to current year.

GAGE.--Water-stage recorder. Prior to Oct. 29, 1959, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--26 years, 174 ft^3/s (4.93 m^3/s), 13.13 in/yr (334 mm/yr), 126,100 acre-ft/yr (155 hm^3/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,000 ft^3/s (1,840 m^3/s) June 8, 1974, gage height, 17.50 ft (5.334 m), from rating curve extended above 11,000 ft^3/s (312 m^3/s) on basis of contracted-opening measurement at 35,800 ft^3/s (1,010 m^3/s); no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1880, that of June 8, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,420 ft^3/s (40.2 m^3/s) June 18 at 0600 hours, gage height, 10.76 ft (3.280 m), no other peak above base of 1,400 ft^3/s (40 m^3/s); no flow Sept. 9-14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	9.1	31	10	265	249	26	19	7.2	157	12	.87
2	2.9	8.1	33	10	322	169	29	17	4.2	65	14	.71
3	2.5	7.3	30	13	354	119	47	18	3.0	36	12	.64
4	1.8	8.9	23	27	311	95	111	19	3.9	25	11	.50
5	1.5	11	19	45	173	82	139	20	10	18	8.8	.35
6	2.9	12	16	31	125	89	88	21	10	14	7.9	.23
7	8.5	13	14	16	137	169	58	56	14	11	7.2	.14
8	14	12	15	12	144	221	40	139	15	8.7	6.9	.04
9	22	13	14	9.2	307	201	30	99	8.4	7.2	5.6	.00
10	45	15	14	7.6	436	135	27	47	5.6	7.3	4.5	.00
11	38	16	14	6.2	543	99	25	29	2.9	6.3	3.9	.00
12	20	17	14	5.7	516	85	23	22	3.5	5.4	6.1	.00
13	8.8	17	17	6.7	421	77	22	19	36	4.6	7.2	.00
14	4.8	18	17	6.9	271	67	21	21	138	4.1	8.2	.00
15	4.9	20	19	7.7	168	60	19	21	69	4.8	7.4	.03
16	14	19	17	10	183	54	20	20	95	4.3	6.8	.10
17	113	18	18	13	257	51	62	20	398	4.5	6.0	.10
18	144	19	17	18	304	48	104	21	1280	4.5	5.5	.10
19	138	21	15	15	288	43	51	21	823	4.2	4.9	.10
20	103	21	14	18	179	40	144	23	580	3.7	4.6	.18
21	45	21	13	25	117	38	180	20	451	2.6	4.5	1.3
22	17	20	13	63	91	48	126	17	327	2.4	4.4	1.5
23	9.0	21	14	122	75	73	72	13	369	1.8	4.0	1.3
24	6.1	21	14	149	62	83	45	10	431	1.2	3.8	1.3
25	7.2	21	14	121	54	58	39	15	334	1.4	3.5	1.3
26	55	22	13	64	77	43	41	18	109	1.6	3.2	1.3
27	111	23	12	37	195	35	38	28	52	1.2	2.9	1.3
28	80	25	11	26	259	30	34	27	64	.89	13	1.1
29	42	26	10	22	---	26	30	30	114	1.8	11	.88
30	20	29	9.8	21	---	24	23	25	197	2.2	2.5	.78
31	12	---	9.6	121	---	24	---	14	---	4.9	.87	--
TOTAL	1097.1	524.4	504.4	1059.0	6634	2635	1714	889	5954.7	417.59	204.17	16.15
MEAN	35.4	17.5	16.3	34.2	237	85.0	57.1	28.7	198	13.5	6.59	.54
MAX	144	29	33	149	543	249	180	139	1280	157	14	1.5
MIN	1.5	7.3	9.6	5.7	54	24	19	10	2.9	.89	.87	.00
CFSM	.20	.10	.09	.19	1.32	.47	.32	.16	1.10	.08	.04	.003
IN.	.23	.11	.10	.22	1.37	.54	.35	.18	1.23	.09	.04	.00
AC-FT	2180	1040	1000	2100	13160	5230	3400	1760	11810	828	405	32

CAL YR 1981 TOTAL 33856.45 MEAN 92.8 MAX 5000 MIN .84 CFSM .52 IN 7.00 AC-FT 67150
WTR YR 1982 TOTAL 21649.51 MEAN 59.3 MAX 1280 MIN .00 CFSM .33 IN 4.47 AC-FT 42940

07365800 CORNIE BAYOU NEAR THREE CREEKS, AR--CONTINUED

WATER QUALITY RECORDS

PERIOD OF RECORD.--May 1950 to September 1962, October 1970 to April 1974, October 1979 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: May 1950 to September 1955, February 1956 to July 1962.

COOPERATION.--Records were furnished by Arkansas Department of Pollution Control and Ecology, Little Rock, Ark.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT											
13...	1430	9827	9827	7.9	7.0	28.0	21.0	6.8	6.6	73	1.7
NOV											
03...	1400	9827	9827	7.2	5.9	25.0	15.0	4.5	6.9	68	.3
DEC											
15...	1345	9827	9827	20	6.2	12.0	2.0	2.2	9.2	67	1.1
JAN											
19...	1420	9827	9827	15	5.9	25.0	15.0	4.2	10.2	100	.4
FEB											
16...	1340	9827	9827	187	5.6	23.0	13.0	9.0	9.1	86	1.8
MAR											
16...	1420	9827	9827	53	5.7	27.0	19.0	7.0	6.6	70	1.1
APR											
06...	1420	9827	9827	92	--	22.0	17.0	10	5.4	56	1.7
MAY											
04...	1410	9827	9827	19	5.9	34.0	22.0	120	5.5	63	1.6
JUN											
01...	1335	9827	9827	6.8	5.6	31.0	29.0	20	--	--	--
29...	1415	9827	9827	128	5.5	32.0	25.0	25	6.6	78	--
JUL											
13...	1415	9827	9827	4.7	5.9	40.0	28.0	30	2.9	37	1.6
AUG											
03...	1415	9827	9827	12	6.4	39.0	28.0	6.5	--	--	.9
31...	1410	9827	9827	.90	6.2	34.0	28.0	25	1.5	19	2.7

DATE	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CACO3) (00900)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT											
13...	84	34	3.0	56	181	.25	4	.05	.060	--	--
NOV											
03...	52	134	5.0	210	463	.63	6	.04	.040	--	.010
DEC											
15...	16	96	7.0	170	322	.44	8	.01	--	.010	.010
JAN											
19...	4	144	8.0	270	539	.73	7	.09	.040	--	.040
FEB											
16...	72	84	8.0	150	315	.43	11	.16	.040	.050	.010
MAR											
16...	4	116	12	180	442	.60	10	.04	.060	.010	.010
APR											
06...	110	108	12	140	329	.45	20	.06	.050	.060	--
MAY											
04...	150	132	--	260	492	.67	12	--	.240	.060	.040
JUN											
01...	16	214	--	410	837	1.1	14	.29	.240	.040	.030
29...	150	96	7.0	180	417	.57	26	.12	.130	.030	.020
JUL											
13...	<4	102	5.0	180	--	--	13	.18	.130	.040	--
AUG											
03...	68	82	4.0	130	341	.46	12	.09	.060	--	.010
31...	140	24	14	21	97	.13	14	.11	.100	.140	.020

07365800 CORNIE BAYOU NEAR THREE CREEKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
13...	1430	<5	<1	6	36	--	7	26
NOV								
03...	1400	5	<1	11	14	--	<5	62
DEC								
15...	1345	29	<1	6	20	--	<5	20
JAN								
19...	1420	44	<1	1	14	--	27	39
FEB								
16...	1340	20	<1	3	21	--	<5	7
MAR								
16...	1420	15	<1	<1	--	--	9	71
APR								
06...	1420	--	<1	--	--	--	7	36
MAY								
04...	1410	--	<1	3	19	--	--	48
JUN								
01...	1335	15	<1	5	21	--	<5	82
29...	1415	12	2	6	28	--	--	63
JUL								
13...	1415	<5	<1	4	29	<1.0	<5	44
AUG								
03...	1415	<5	<1	1	14	--	<5	27
31...	1410	<5	<1	<1	24	--	<5	19

DATE	TIME	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)	DDT, TOTAL (UG/L) (39370)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	2,4-D, TOTAL (UG/L) (39730)
JAN											
19...	1420	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
FEB											
16...	1340	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
APR											
06...	1420	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUN											
29...	1415	.00	.00	.00	.00	.00	.00	.00	.00	0	.00
JUL											
13...	1415	.00	.00	.00	.00	.00	.00	.00	.00	0	.00

Crest-Stage Partial-Record Stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation of each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but it is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations

Station no.	Station name	Location	Drainage area (m^2)	Period of record	Annual maximum Date	Annual maximum Gage height (feet)	Annual maximum Discharge (ft^3/s)
		St. Francis River basin					
07046530	Ditch No. 42 at Hickman, Ar. (Discon.)	Lat 35°57'14", long 89°43'59", on west line of SW 1/4 NW 1/4 sec. 5, T.15 N., R.13 E., on Mississippi County, at culvert on State Highway 137, 0.7 mi (1.1 km) north of Hickman.	1.08	1963-82	04-03-82	10.00	80
07047200	Ditch No. 45 near Lepanto, Ar.	Lat 35°36'46", long 90°22'30", in SW 1/4 SW 1/4 sec.32, T.12 N., R.7 E., Poinsett County, at culvert on U.S. Highway 14, 2.5 mi (4.0 km) west of Lepanto.	2.16	1962-82	04-16-82	7.70	117
07047820	Murray Creek near Jonesboro, Ar.	Lat 35°51'52", long 90°38'26", in SW 1/4 SW 1/4 sec.2, T.14 N., R.4 E., Craighead County, at culvert on U.S. Highway 49, 4.0 mi (6.4 km) northeast of Jonesboro.	1.38	1960-82	01-31-82	[a]8.51	300
07047880	Pope Creek tributary at Birdeye, Ar.	Lat 35°22'35", long 90°42'02", in NE 1/4 SE 1/4 sec.30, T.9 N., R.4 E., Cross County, at culvert on State Highway 42, 0.9 mi (1.4 km) west of Birdeye.	.08	1963-82	07-02-82	4.51	66
07047924	Crooked Bayou tributary at State Highway 149, at Hughes, Ar. (Discon.)	Lat 34°57'07", long 90°28'00", in SW 1/4 SE 1/4 sec.16, T.4 N., R.6 E., St. Francis County, at culvert on State Highway 149, 0.4 mi (0.6 km) northeast of junction of State Highway 38 and 149, at Hughes.	.48	1963-82	08-14-82	8.66	110
		White River basin					
07047990	West Fork White River tributary near Greenland, Ar.	Lat 35°58'22", long 94°09'56", in NW 1/4 SE 1/4 sec.16, T.15 N., R.30 W., Washington County, at culvert on U.S. Highway 71, 1.5 mi (2.4 km) south of Greenland.	.67	1960-82	07-30-82	5.75	200
07048900	Whitener Branch tributary near Spring Valley, Ar.	Lat 36°10'24", long 93°54'59", in SE 1/4 NW 1/4 sec.1, T.17 N., R.28 W., Washington County, at culvert on State Highway 68, 1.0 mi (1.6 km) east of Spring Valley.	1.07	1960-82	07-30-82	7.08	220
07048940	War Eagle Creek near Witter, Ar. (Discon.)	Lat 35°54'05", long 93°42'04", in SE 1/4 SE 1/4 sec.2, T.14 N., R.26 W., Madison County, at bridge on State Highway 23, 2.8 mi (4.5 km) south of Witter.	22.4	1961-82	01-30-82	12.40	2,660
07050500	Kings River near Berryville, Ar.	Lat 36°25'36", long 93°37'15", in SE 1/4 NE 1/4 sec.3, T.20 N., R.25 W., Carroll County, on right bank at downstream side of bridge on State Highway 143, 5.3 mi (8.5 km) northwest of Berryville.	527	1939-75† 1976-82	06-16-82	20.78	17,000
07054450	East Sugarloaf Creek tributary near Lead Hill, Ar.	Lat 36°22'28", long 92°49'52", in NW 1/4 NW 1/4 sec.19, T.20 N., R.17 W., Marion County, at culvert on State Highway 14, 5.0 mi (8.0 km) southeast of Lead Hill.	.85	1962-82	06-27-82	7.76	248
07055000	White River near Flippin, Ar.	Lat 36°18'35", long 92°33'28", in NE 1/4 NW 1/4 sec.10, T.19 N., R.15 W., Marion County, on right bank 1.4 mi (2.3 km) upstream from Hightower Creek, 3.2 mi (5.1 km) northeast of Flippin.	6,081	1928-80† 1981-82	01-20-82; 06-28-82	12.41	24,400
07055500	Crooked Creek tributary near Dogpatch, Ar.	Lat 36°09'01", long 93°07'23", in SW 1/4 SW 1/4 sec.4, T.17 N., R.20 W., Boone County, at culvert on State Highway 7, 2.9 mi (4.7 km) north of Dogpatch. Prior to 1967 published as Crooked Creek tributary near Marble Falls.	4.36	1961-82	01-31-82	4.07	54

† Operated as a continuous-record gaging station.
a From floodmark.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station no.	Station name	Location	Drainage area (mi^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		White River basin--Continued					
07055650	Smith Creek near Boxley, Ar. (Discon.)	Lat 35°56'50", long 93°23'52", in SW 1/4 NW 1/4 sec.23, T.15 N., R.23 W., Newton County, at bridge on State Highway 21, 1.7 mi (2.7 km) south of Boxley.	8.35	1963-82	01-31-82	6.89	1,580
07057300	Dodd Creek tributary near Mountain Home, Ar.	Lat 36°19'05", long 92°24'01", in NE 1/4 SW 1/4 sec.17, T.19 N., R.13 W., Baxter County, at culvert on U.S. Highway 62, 1.5 mi (2.4 km) southwest of Mountain Home. Prior to 1966 published as Big Creek tributary near Mountain Home.	.76	1961-82	01-30-82	9.61	195
07060600	Band Mill Creek near Brockwell, Ar.	Lat 36°08'02", long 91°58'48", in SE 1/4 SE 1/4 sec.7, T.17 N., R.9 W., Izard County, at culvert on State Highway 56, 3.1 mi (5.0 km) west of Brockwell.	1.25	1961-82	01-31-82	4.79	155
07060830	Wolf Bayou near Drasco, Ar. (Discon.)	Lat 35°39'36", long 91°55'15", in NW 1/4 SE 1/4 sec.23, T.12 N., R.9 W., Cleburne County, at culvert on State Highway 25, 2.4 mi (3.9 km) northeast of Drasco.	.27	1963-82	01-31-82	[a]6.51	108
07061000	White River at Batesville, Ar.	Lat 35°45'35", long 91°38'28", in NE 1/4 NW 1/4 sec.21, T.13 N., R.6 W., Independence County, at bridge on U.S. Highway 167 in Batesville.	11,070	1978-82	02-05-82	15.93	78,100
07061100	Gibbs Creek at Sulphur Rock, Ar.	Lat 35°45'32", long 91°30'52", in SE 1/4 SW 1/4 sec.15, T.13 N., R.5 W., Independence County, at culvert on State Highway 69, 0.9 mi (1.4 km) west of Sulphur Rock.	3.90	1962-82	05-22-82	6.44	350
07069000	Black River at Pocahontas, Ar.	Lat 36°15'14", long 90°58'12", in SW 1/4 SW 1/4 sec.27, T.19 N., R.1 E., Randolph County, at bridge on U.S. Highway 67 at Pocahontas.	4,845	1937-70†, 1971-78, 1981-82	02-05-82	22.58	37,100
07069250	Brush Creek near Mammoth Spring, Ar.	Lat 36°25'36", long 91°29'27", in SE 1/4 SE 1/4 sec.34, T.21 N., R.5 W., Fulton County, at culvert on U.S. Highway 63, 5.5 mi (8.8 km) southeast of Mammoth Spring. Prior to 1967 published as Spring River tributary near Mammoth Spring.	.48	1961-82	01-30-82	8.75	207
07072200	Hubble Creek near Pocahontas, Ar.	Lat 36°15'32", long 91°02'02", in SE 1/4 SW 1/4 sec.25, T.19 N., R.1 W., Randolph County, at culvert on U.S. Highway 62, 3.4 mi (5.5 km) west of Pocahontas. Prior to 1966 published as Eleven Point River tributary near Pocahontas.	1.33	1961-82	01-31-82	8.41	430
07074250	Reeds Creek near Strawberry, Ar. (Discon.)	Lat 35°58'58", long 91°20'21", in SW 1/4 SW 1/4 sec.32, T.16 N., R.3 W., Lawrence County, at bridge on State Highway 117, 1.4 mi (2.3 km) northwest of Strawberry.	34.9	1963-82	01-31-82	[a]11.77	1,080
07074420	Black River at Elgin Ferry, Ar.	Lat 35°45'51", long 91°17'40", in NW 1/4 SE 1/4 sec.15, T.13 N., R.3 W., Jackson County, on left bank 500 ft (152 m) downstream from State Highway 37 at Elgin Ferry.	8,418	1979-82	02-03-82	24.00	45,400
07074900	Trace Creek tributary near Marshall, Ar.	Lat 35°52'14", long 92°36'08", in NE 1/4 SW 1/4 sec.8, T.14 N., R.15 W., Searcy County, at culvert on U.S. Highway 65, 3.2 mi (5.1 km) south of Marshall.	.26	1961-82	01-30-82	7.46	25
07074950	Tick Creek near Leslie, Ar. (Discon.)	Lat 35°51'20", long 92°26'24", in SW 1/4 NE 1/4 sec.14, T.14 N., R.14 W., Searcy County, at culvert on State Highway 66, 1.5 mi (2.4 km) northeast of Oxley, and 7.0 mi (11.3 km) east of Leslie.	1.58	1961-82	01-30-82	7.42	365

† Operated as a continuous-record gaging station.
a From floodmark.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station no.	Station name	Location	Drainage area (m^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		White River basin--Continued					
07075600	Choctaw Creek tributary near Choctaw, Ar.	Lat 35°31'36", long 92°25'02", in SE 1/4 SW 1/4 sec.6, T.10 N., R.13 W., Van Buren County, at culvert on State Highway 330, 1.4 mi (2.3 km) east of Choctaw.	1.36	1964-82	01-31-82	9.58	237
07075800	Dill Branch tributary near Ida, Ar.	Lat 35°32'33", long 91°57'34", in SW 1/4 NE 1/4 sec.33, T.11 N., R.9 W., Cleburne County, at culvert on State Highway 25, 3.5 mi (5.6 km) southwest of Ida. Prior to 1975 published as Peter Creek tributary near Ida.	.26	1964-82	01-31-82	6.56	42
07076000	Little Red River near Heber Springs, Ar.	Lat 35°31'02", long 91°59'50", in NE 1/4 sec.7, T.10 N., R.9 W., Cleburne County, on right bank 1,600 ft (488 m) downstream from Greers Ferry Dam, 3.0 mi (4.8 km) northeast of Heber Springs.	1,153	1927-80† 1981-82	01-12-82	16.38	8,510
07076630	Key Branch near Searcy, Ar.	Lat 35°14'47", long 91°47'01", in NW 1/4 SW 1/4 sec.8, T.7 N., R.7 W., White County, at culvert on State Highway 36, 2.8 mi (4.5 km) west of Searcy. Prior to 1964 published as Little Red River tributary near Searcy.	.66	1961-82	06-16-82	6.34	295
07076750	White River at Georgetown, Ar.	Lat 35°07'45", long 91°27'00", in SW 1/4 SW 1/4 sec.20, T.6 N., R.4 W., on right bank at Georgetown.	22,387	1978-82	02-09-82	21.64	65,600
07076870	Pigeon Roost Creek at Butlerville, Ar.	Lat 34°58'36", long 91°50'38", in NW 1/4 NE 1/4 sec.15, T.4 N., R.8 W., Lonoke County, at bridge on State Highway 38, 0.6 mi (1.0 km) west of Butlerville.	23.0	1961-82	04-02-82	10.73	2,250
07077200	Big Creek tributary near Boydsville, Ar.	Lat 36°22'32", long 90° 19'56", in SE 1/4 SW 1/4 sec.9, T.20 N., R.7 E., Clay County, at culvert on county road, 0.1 mi (0.2 km) west of Crockett, and 4.1 mi (6.6 km) northeast of Boydsville.	1.58	1962-82	01-31-82	6.99	295
07077340	Sugar Creek tributary near Walcott, Ar.	Lat 36°04'26", long 90°36'55", in NW 1/4 SW 1/4 sec.25, T.17 N., R.4 E., Greene County, at culvert on U.S. Highway 412, 3.2 mi (5.1 km) east of junction of State Highway 25 and 141, and 3.9 mi (6.3 km) northeast of Walcott.	.68	1963-82	08-24-82	7.50	283
07077430	Willow Ditch near Egypt, Ar.	Lat 35°56'29", long 90°56'33", in SW 1/4 SW 1/4 sec.12, T.15 N., R.1 E., Lawrence County, at culvert on State Highway 91, 5.1 mi (8.2 km) north of Egypt.	.48	1963-82	08-15-82	5.02	27
07077860	Boat Gunwale Slash near Holly Grove, Ar.	Lat 34°36'18", long 91°10'12", in SE 1/4 SW 1/4 sec.13, T.1 S., R.2 W., Monroc County, at bridge on State Highway 86, 1.8 mi (2.9 km) northeast of Holly Grove. Prior to 1972 published as Boat Gunwale Slash tributary near Holly Grove.	10.0	1962-82	02-09-82	8.63	285
07077920	Big Creek at Goodwin, Ar.	Lat 34°56'22", long 91°00'55", in NE 1/4 NE 1/4 sec.29, T.4 N., R.1 E., St. Francis County, at bridge on U.S. Highway 70, 0.3 mi (0.5 km) east of Goodwin.	31.1	1961-82	05-25-82	9.07	390
07078210	Tarleton Creek tributary at Ethel, Ar.	Lat 34°18'02", long 91°09'45", in NW 1/4 SE 1/4 sec.31, T.4 S., R.1 W., Arkansas County, at culvert on State Highway 17, 1.0 mi (1.6 km) north of Ethel.	.20	1963-82	04-20-82	4.28	75
		Arkansas River basin					
07194890	Osage Creek at Cave Springs, Ar. (Discon.)	Lat 36°15'56", long 94°14'15", in SW 1/4 NW 1/4 sec.1, T.18 N., R.31 W., Benton County, at bridge on State Highway 264, 0.4 mi (0.6 km) west of Cave Springs.	40.4	1950, 1963-82	01-30-82	5.12	405

† Operated as a continuous-record gaging station.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station no.	Station name	Location	Drainage area (m^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Arkansas River basin--Continued					
07195450	Ballard Creek at Summers, Ar.	Lat 35°58'42", long 94°29'56", in SW 1/4 SW 1/4 sec.16, T.15 N., R.33 W., Washington County, at bridge on U.S. Highway 62, 0.4 mi (0.6 km) west of Summers.	14.6	1963-82	05-14-82	8.67	2,520
07249300	James Fork near Midland, Ar.	Lat 35°04'27", long 94°20'20", in NW 1/4 NW 1/4 sec.32, T.5 N., R.31 W., Sebastian County, at bridge on State Highway 252, 1.6 mi (2.6 km) southeast of Midland.	44.0	1963-82	10-18-81	a10.93	13,600
07249447	Mill Creek at Fort Smith, Ar.	Lat 35°20'34", long 94°25'20", in NW 1/4 NW 1/4 sec.33, T.8 N., R.32 W., Sebastian County, on right bank 30 ft (9.1 m) upstream from bridge on Towson Avenue in Fort Smith.	10	1981-82	05-13-82	35.00	1,830
07249457	May Branch at Fort Smith, Ar.	Lat 35°22'30", long 94°23'51", in NE 1/4 SW 1/4 sec.15, T.8 N., R.32 W., Sebastian County, on upstream side of bridge on Free Ferry Road in Fort Smith.	1.0	1981-82	07-07-82	67.11	430
07249500	Cove Creek near Lee Creek, Ar.	Lat 35°43'20", long 94°24'28", in SW 1/4 NW 1/4 sec.16, T.12 N., R.32 W., Crawford County, at bridge on U.S. Forest Service road, 4.5 mi (7.2 km) northwest of Lee Creek.	35.3	1951-70† 1971-82	01-30-82	7.81	3,410
07249950	Webber Creek tributary near Cedarville, Ar.	Lat 35°36'00", long 92°22'49", in SE 1/4 SE 1/4 sec.27, T.11 N., R.32 W., Crawford County, at culvert on State Highway 59, 2.3 mi (3.7 km) north of Cedarville.	.34	1962-82	07-08-82	5.88	18
07250515	Sunnymede Creek at Fort Smith, Ar.	Lat 35°23'46", long 94°22'23", in NW 1/4 NE 1/4 sec.11, T.8 N., R.32 W., Sebastian County, on left bank 100 ft (30.5 m) downstream from bridge on North 52nd Street in Fort Smith.	1.5	1981-82	07-31-82	6.26	116
07251500	Frog Bayou at Rudy, Ar.	Lat 35°31'32", long 94°16'18", in SW 1/4 SW 1/4 sec.23, T.10 N., R.31 W., Crawford County, at bridge on State Highway 282 at Rudy.	216	1951-70† 1971-82	05-13-82	15.32	19,400
07252200	North Fork White Oak Creek tributary near Watalula, Ar.	Lat 35°35'43", long 93°50'49", in SE 1/4 NE 1/4 sec.27, T.11 N., R.27 W., Franklin County, at culvert on State Highway 23, 2.2 mi (3.5 km) northwest of Watalula.	.46	1961-82	06-16-82	6.43	145
07256500	Spadra Creek at Clarksville, Ar.	Lat 35°28'06", long 93°27'46", in NW 1/4 NE 1/4 sec.5, T.9 N., R.23 W., Johnson County, on right bank at Clarksville, 0.2 mi (0.3 km) downstream from bridge on U.S. Highway 64.	61.1	1953-70† 1971-82	01-31-82	4.95	1,140
07257060	Mikes Creek tributary near Ozone, Ar. (Discon.)	Lat 35°37'25", long 93°26'02", in NE 1/4 SE 1/4 sec.9, T.11 N., R.23 W., Johnson County, at culvert on State Highway 21, 1.4 mi (2.3 km) southeast of Ozone.	.20	1964-82	03-14-82	2.86	21
07257100	Minnow Creek tributary near Hagarville, Ar.	Lat 35°30'10", long 93°21'56", in SE 1/4 SE 1/4 sec.19, T.10 N., R.22 W., Johnson County, at culvert on State Highway 123, 2.6 mi (4.2 km) southwest of Hagarville.	.19	1962-82	03-14-82	3.40	12
07257200	Little Piney Creek near Lamar, Ar.	Lat 35°26'58", long 93°20'17", in SW 1/4 NE 1/4 sec.9, T.9 N., R.22 W., Johnson County, on left bank 600 ft (183 m) upstream from State Highway 359 bridge, 3.0 mi (4.8 km) east of Lamar.	154	1978-82	01-31-82	13.45	9,920

† Operated as a continuous-record gaging station.
a From floodmark.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station no.	Station name	Location	Drainage area (m^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Arkansas River basin--Continued					
07257500	Illinois Bayou near Scottsville, Ar.	Lat 35°27'58", long 93°02'28", in SE 1/4 SW 1/4 sec.32, T.10 N., R.19 W., Pope County, at bridge on county road, 1.3 mi (2.1 km) north of Scottsville.	241	1948-70† 1971-82	01-30-82	17.72	24,000
07257700	McCoy Creek near Dover, Ar.	Lat 35°25'04", long 93°05'09", in SE 1/4 NE 1/4 sec.23, T.9 N., R.20 W., Pope County, at bridge on State Highway 27, 2.0 mi (3.2 km) northeast of Dover.	7.05	1961-82	01-30-82	4.48	155
07258200	Pack Saddle Creek tributary near Waldron, Ar.	Lat 34°58'18", long 94°05'42", in SE 1/4 SE 1/4 sec.29, T.4 N., R.29 W., Scott County, at culvert on U.S. Highway 71, 5.2 mi (8.4 km) north of Waldron.	.92	1961-82	10-18-81	4.56	140
07259500	Petit Jean River near Waveland, Ar.	Lat 35°06'17", long 93°37'53", in SE 1/4 SW 1/4 Sec.11, T.5 N., R.25 W., Yell County, on left bank 0.8 mi (1.3 km) downstream from Rock Creek, 1.3 mi (2.1 km) south of Waveland.	516	1939-80† 1981-82	02-23-82	15.13	2,740
07260000	Dutch Creek at Waltreak, Ar.	Lat 34°59'15", long 93°36'45", in SE 1/4 NW 1/4 sec.24, T.4 N., R.25 W., Yell County, on left bank 0.2 mi (0.3 km) north of Waltreak.	81.4	1945-75† 1976-82	01-30-82	11.25	3,560
07260673	West Fork Point Remove Creek near Hattieville, Ar.	Lat 35°19'25", long 92°52'22", in NE 1/4 SE 1/4 sec.23, T.8 N., R.18 W., Pope County, on right bank about 300 ft (91.4 m) upstream from State Highway 247 bridge, 0.4 mi (0.6 km) downstream from Hackers Creek, 5.5 mi (8.8 km) northwest of Hattieville	222	1978-82	03-14-82	18.50	4,860
07260679	East Fork Point Remove Creek tributary near Saint Vincent, Ar.	Lat 35°16'10", long 92°43'59", in NE 1/4 NE 1/4 sec.7, T.7 N., R.16 W., Conway County, at culvert on State Highway 213, 2.2 mi (3.5 km) south of Saint Vincent.	.09	1967-82	01-30-82	5.84	21
07261800	Brogan Creek near Rover, Ar.	Lat 34°54'28", long 93°24'06", in NW 1/4 SE 1/4 sec.13, T.3 N., R.23 W., Yell County, at culvert on State Highway 27, 2.7 mi (4.3 km) south of Rover. Prior to 1968 published as Fourche LaFave River tributary near Rover.	1.40	1963-82	03-15-82	4.73	135
07262500	Fourche LaFave River near Nimrod, Ar.	Lat 34°57'02", long 93°09'16", in NW 1/4 SW 1/4 sec.32, T.4 N., R.20 W., Perry County, on left bank 2,000 ft (610 m) downstream from Nimrod Dam, 4.5 mi (7.2 km) southwest of Nimrod.	684	1936-80† 1981-82	03-18-82	9.38	5,410
07263012	Fourche LaFave River near Aplin, Ar.	Lat 34°57'23", long 92°59'04", in E 1/2 NE 1/4 sec.35, T.4 N., R.19 W., Perry County, on right bank 30 ft (9.1 m) upstream from bridge on State Highway 155, 1.0 mi (1.6 km) south of Aplin.	957	1980-82	03-14-82	24.36	10,400
07263100	Fourche LaFave River tributary near Perryville, Ar.	Lat 35°01'14", long 92°46'06", in NW 1/4 SW 1/4 sec.1, T.4 N., R.17 W., Perry County, at culvert on State Highway 60, 2.2 mi (3.5 km) northeast of Perryville.	1.47	1962-82	04-03-82	8.20	390
07263400	Little Maumelle River at Ferndale, Ar.	Lat 34°46'48", long 92°33'15", in NW 1/4 SE 1/4 sec.25, T.2 N., R.15 W., Pulaski County, at bridge on county road, 0.2 mi (0.3 km) northeast of Ferndale.	15.0	1963-82	05-06-82	11.55	3,330
07263530	Fourche Creek at Red Gate, Ar.	Lat 34°38'53", long 92°26'20", in NE 1/4 SE 1/4 sec.7, T.1 S., R.13 W., Pulaski County, 30 ft (9.1 m) downstream from bridge on State Highway 5, 0.5 mi (0.8 km) east of Red Gate.	32.4	1978-79, 1981-82	04-02-82	[a]12.40	3,900

† Operated as a continuous-record gaging station.
a From floodmark.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station no.	Station name	Location	Drainage area (m^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Arkansas River basin-Continued					
07263570	Grassy Flat Creek at Little Rock, Ar.	Lat 34°46'01", long 92°22'33", in SW 1/4 NW 1/4 sec.35, T.2 N., R.13 W., Pulaski County, at left bank on downstream side of bridge on Reservoir Road in Little Rock.	3.88	1978-79 1981-82	04-02-82	10.92	2,900
07263580	Rock Creek at Little Rock, Ar.	Lat 34°43'13", long 92°21'32", in NW 1/4 SW 1/4 sec.13, T.1 N., R.13 W., Pulaski County, at west 36th Street bridge in Little Rock.	20.5	1978-79 1981-82	04-02-82	11.30	5,800
07263910	Cypress Branch near Jacksonville, Ar.	Lat 34°54'28", long 92°10'55", in SE 1/4 NE 1/4 sec.9, T.3 N., R.11 W., Pulaski County, at culvert on State Highway 107, 5.0 mi (8.0 km) northwest of Jacksonville.	2.38	1961-82	04-02-82	10.71	620
07264100	White Oak Branch near Lonoke, Ar.	Lat 34°46'20", long 91°50'34", on west line SW 1/4 NW 1/4 sec.26, T.2 N., R.8 W., Lonoke County, at bridge on county road, 3.3 mi (5.3 km) east of Lonoke.	8.41	1961-82	04-02-82	8.90	980
		Red River basin					
07338700	Twomile Creek near Hatfield, Ar.	Lat 34°30'52", long 94°20'14", in NW 1/4 NW 1/4 sec.8, T.3 S., R.31 W., Polk County, at bridge on U.S. Highway 71, 3.1 mi (5.0 km) northeat of Hatfield.	15.9	1963-82	05-14-82	8.23	1,500
07339500	Rolling Fork near DeQueen, Ar.	Lat 34°02'51", long 94°24'47", in SW 1/4 SW 1/4 sec.21, T.8 S., R.32 W., Sevier County, near center of span on downstream side of bridge on U.S. Highway 70, 4.0 mi (6.4 km) west of DeQueen.	182	1948-80† 1981-82	05-17-82	14.89	6,320
07339800	Pepper Creek near DeQueen, Ar.	Lat 34°02'44", long 94°18'13", on north line NW 1/4 NE 1/4 sec.28, T.8 S., R.31 W., Sevier County, at bridge on U.S. Highway 71, 1.5 mi (2.4 km) east of junction of U.S. Highways 70 and 71, and 2.3 mi (3.7 km) east of DeQueen.	6.41	1961-82	05-14-82	6.25	1,020
07340500	Cossatot River near DeQueen, Ar.	Lat 34°02'45", long 94°12'42", in NE 1/4 NE 1/4 sec.29, T.8 S., R.30 W., Sevier County, near right bank on downstream side of bridge on U.S. Highway 71, 7.0 mi (11.3 km) east of DeQueen.	360	1938-80† 1981-82	06-16-82	10.29	4,210
07340530	Mill Slough tributary near Lockesburg, Ar.	Lat 33°58'04", long 94°11'25", on south line SW 1/4 NW 1/4 sec.22, T.9 S., R.30 W., Sevier County. at culvert on State Highway 24, 1.3 mi (2.1 km) west of Lockesburg.	.64	1963-82	05-14-82	6.01	246
07341000	Saline River near Dierks, Ar.	Lat 34°05'45", long 94°05'04", in NW 1/4 SW 1/4 sec.3, T.8 S., R.29 W., Howard County, near left bank on downstream side of U.S. Highway 70, 4.0 mi (6.4 km) southwest of Dierks.	121	1938-80† 1981-82	06-28-82	11.76	4,140
07341100	Rock Creek near Dierks, Ar. (Discon.)	Lat 34°06'46", long 94°02'25", in SW 1/4 NE 1/4 sec.36, T.7 S., R.29 W., Howard County, at bridge on U.S. Highway 70, 1.4 mi (2.3 km) southwest of Dierks.	9.46	1961-82	06-16-82	5.34	820
07341700	Caney Creek near Hope, Ar.	Lat 33°41'33", long 93°38'12", in SE 1/4 NE 1/4 sec.24, T.12 S., R.25 W., Hempstead County, at bridge on State Highway 4, 3.1 mi (5.0 km) northwest of Hope.	12.9	1963-82	06-16-82	10.39	1,400

† Operated as a continuous-record gaging station.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station no.	Station name	Location	Drainage area (m^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Red River basin--Continued					
07344320	Mill Creek tributary near Fouke, Ar.	Lat 33°17'52", long 93°54'58", in NW 1/4 NE 1/4 sec.8, T.17 S., R.27 W., Miller County, at culvert on U.S. Highway 71, 3.0 mi (5.0 km) northwest of Fouke.	1.44	1961-82	06-16-82	10.06	482
07348630	Barlow Branch tributary near McNeil, Ar.	Lat 33°18'44", long 93°13'52", in NW 1/4 SE 1/4 sec.25, T.16 S., R.21 W., Columbia County, at culvert on county road, 2.5 mi (4.0 km) south of McNeil.	.05	1961-82	06-12-82	[a]6.39	35
07355800	Lewis Creek tributary near Mena, Ar.	Lat 34°37'15", long 94°12'15", in NE 1/4 SW 1/4 sec.33, T.1 S., R.30 W., Polk County, at culvert on U.S. Highway 71, 3.1 mi (5.0 km) northeast of Mena.	.65	1961-82	05-14-82	5.12	397
07355900	Big Fork tributary at Big Fork, Ar. (Discon.)	Lat 34°28'23", long 93°57'38", in SW 1/4 NW 1/4 sec.23, T.3 S., R.28 W., Polk County, at culvert on State Highway 8, 0.9 mi (1.4 km) southeast of Big Fork.	.17	1964-82	05-14-82	7.14	36
07357700	Glazypeau Creek at Mountain Valley, Ar.	Lat 34° 37'33", long 93°03'10", in SE 1/4 SE 1/4 sec.20, T.1 S., R.19 W., Garland County, at bridge on State Highway 7, 0.3 mi (0.5 km) southeast of Mountain Valley.	3.84	1961-82	06-28-82	10.34	560
07359750	Little Sugarloaf Creek near Bonnerdale, Ar. (Discon.)	Lat 34°21'40", long 93°27'30", in NW 1/4 SW 1/4 sec.27, T.4 S., R.23 W., Montgomery County, at bridge on U.S. Highway 70, 4.7 mi (7.6 km) southwest of Bonnerdale.	2.32	1962-82	06-16-82	7.94	432
07361020	Prairie Creek tributary near Kirby, Ar.	Lat 34°09'10", long 93°37'53", in NW 1/4 SE 1/4 sec.11, T.7 S., R.25 W., Pike County, at culvert on State Highway 27, 6.6 mi (10.6 km) south of Kirby.	.16	1963-82	06-16-82	3.70	49
07361180	South Fork Ozan Creek near Ozan, Ar.	Lat 33°49'15", long 93°42'28", in SE 1/4 SW 1/4 sec.5, T.11 S., R.25 W., Hempstead County, at bridge on State Highway 4, 2.0 mi (3.2 km) south of Ozan.	17.7	1963-82	10-17-81	22.39	4,230
07361680	Middle Caney Creek tributary near Rosston, Ar.	Lat 33°36'19", long 93°17'31", in SW 1/4 SE 1/4 sec.17, T.13 S., R.21 W., Nevada County, at culvert on State Highway 19, 1.0 mi (1.6 km) north of junction of State Highway 4 and 19, and 1.3 mi (2.1 km) northwest of Rosston. Prior to 1975 published as Little Caney Creek near Rosston.	1.48	1961-82	10-17-81	9.60	325
07362330	Dunn Creek near Hampton, Ar.	Lat 33°32'05", long 92°30'55", in SE 1/4 NW 1/4 sec.2, T.14 S., R.14 W., Calhoun County, at bridge on State Highway 4, 2.8 mi (4.5 km) west of Hampton.	13.6	1962-82	10-17-81	5.75	255
07363000	Saline River at Benton, Ar.	Lat 34°34'05", long 92°36'40", in SE 1/4 NE 1/4 sec.9, T.2 S., R.15 W., Saline County, on left bank 0.8 mi (1.3 km) west of Benton, and 3.0 mi (4.8 km) downstream from confluence of North Fork and Alum Fork.	550	1951-79† 1980-82	04-03-82	19.23	19,700
07363050	Holly Creek tributary near Benton, Ar.	Lat 34°32'04", long 92°33'12", in SW 1/4 NW 1/4 sec.19. T.2 S., R.14 W., Saline County, at culvert on State Highway 35, 2.8 mi (4.5 km) southeast of Benton.	1.44	1962-82	04-03-82	5.10	165
07363450	Varnell Creek near Rison, Ar.	Lat 33°56'12", long 92°10'31", in NW 1/4 NE 1/4 sec.18, T.9 S., R.10 W., Cleveland County, at culvert on State Highway 35, 1.8 mi (2.9 km) southeast of Rison. Prior to 1972 published as Saline River tributary near Rison.	.28	1964-82	06-16-82	5.16	17

† Operated as a continuous-record gaging station.
a From floodmark.

Annual maximum discharge at crest-stage partial-record stations--Continued

Station no.	Station name	Location	Drainage area (m^2)	Period of record	Annual maximum Date	Gage height (feet)	Discharge (ft^3/s)
		Red River basin--Continued					
07364030	L'Aigle Creek tributary near Hermitage, Ar.	Lat 33°24'48", long 92°12'33", in SE 1/4 NW 1/4 sec.14, T.15 S., R.11 W., Bradley County, at culvert on State Highway 15, 3.3 mi (5.3 km) southwest of Hermitage. Prior to 1975 published as Eagle Creek tributary near Hermitage.	.36	1963-82	06-16-82	3.71	9.0
07364070	Bear Creek near Strong, Ar. (Discon.)	Lat 33°04'32", long 92°19'33", in NE 1/4 SE 1/4 sec.10, T.19 S., R.12 W., Union County, at bridge on State Highway 129, 2.9 mi (4.7 km) southwest of Strong.	5.62	1963-82	06-17-82	10.67	138
07364110	Nevins Creek tributary near Pine Bluff, Ar.	Lat 34°10'08", long 92°05'12", in NW 1/4 SE 1/4 sec.26, T.6 S., R.10 W., Jefferson County, at culvert on U.S. Highway 79, 6.0 mi (9.7 km) southwest of Pine Bluff. Prior to 1962 published as Bayou Bartholomew tributary near Pine Bluff.	.75	1961-82	08-17-82	[a]6.02	190
07364125	Cane Creek at Star City, Ar. (Discon.)	Lat 33°57'18", long 91°50'34", in SE 1/4 SE 1/4 sec.5, T.9 S., R.7 W., Lincoln County, at bridge on State Highway 81, 0.9 mi (1.4 km) north of junction of State Highways 11 and 81, in Star City.	4.91	1962-82	08-17-82	8.08	850
07364156	Upper Cutoff Creek near Monticello, Ar.	Lat 33°44'20", long 91°44'51", in NW 1/4 SW 1/4 sec.20, T.11 S., R.6 W., Drew County, at bridge on State Highway 83, 8.0 mi (12.9 km) north of Monticello.	18.5	1963-82	01-31-82	10.18	1,260
07364260	Hanks Creek near Hamburg, Ar.	Lat 33°10'12", long 91°49'40", in NW 1/4 SE 1/4 sec.4, T.18 S., R.7 W., Ashley County, at bridge on State Highway 52, 4.3 mi (6.9 km) southwest of Hamburg.	20.9	1962-82	08-01-82	8.00	300
07364550	Cany Creek tributary near El Dorado, Ar.	Lat 33°11'22", long 92°36'28", in NE 1/4 NW 1/4 sec.1, T.18 S., R.15 W., Union County, at culvert on U.S. Highway 82, 3.5 mi (5.6 km) southeast of El Dorado.	.13	1961-82	06-16-82	7.33	51
07367658	Cypress Creek Canal No. 19 tributary near Dumas, Ar.	Lat 33°51'47", long 91°28'46", in SE 1/4 NW 1/4 sec.2, T.10 S., R.4 W., Desha County, at culvert on U.S. Highway 65, 1.5 mi (2.4 km) south of Dumas.	.94	1961-82	04-19-82	7.91	178
07367670	Wards Bayou tributary at Montrose, Ar. (Discon.)	Lat 33°18'15", long 91°29'37", in SE 1/4 SE 1/4 sec.15, T.16 S., R.4 W., Ashley County, at culvert on U.S. Highway 165, 0.4 mi (0.6 km) north of junction of U.S. Highway 165 and 82 in Montrose.	3.24	1961-82	08-19-82	5.75	120
07367740	Camp Bayou near Parkdale, Ar.	Lat 33°06'55", long 91°31'31", in SE 1/4 SW 1/4 sec.21, T.18 S., R.4 W., Ashley County, at culvert on State Highway 8, 1.3 mi (2.1 km) east of Parkdale.	1.86	1963-82	01-03-82	6.25	44

a From floodmark.

Measurements at Miscellaneous Sites

Measurements of streamflow at points other than gaging stations or partial-record stations are given in the following table. Those that are measurements of base flow are designated by an asterisk (*); measurements of peak flow by a dagger (†).

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1982

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		St. Francis River basin				
Pemiscot Bayou	St. Francis River	Lat 35°51'30", long 90°02'48", in SW 1/4 sec.5, T.14 N., R.10 W., Mississippi County, at bridge on State Highway 119, 0.7 mi (1.1 km) north of Dell.	(a)	1974-81	09-09-81	[b]6.87
					12-02-81	17.8
					03-23-82	19.1
					08-10-82	16.9
		White River basin				
Spring River	Black River	Lat 36°20'00", long 91°30'30", in SW 1/4 SW 1/4 sec.34, T.20 N., R.5 W., Fulton County, at low-water bridge on county road, 1.8 mi (2.9 km) upstream from South Fork Spring River, and 2.2 mi (3.5 km) northwest of Hardy.	(a)	1975-81	07-23-81	[b]277
					12-04-81	231
					03-26-82	645
					07-02-82	588
					09-16-82	314
South Fork Spring River	Spring River	Lat 36°21'00", long 91°38'00", in NW 1/4 NW 1/4 sec.33, T.20 N., R.6 W., Fulton County, at bridge on State Highway 289, 0.2 mi (0.3 km) southeast of Saddle.	(a)	1974-81	07-23-81	[b]9.71
					10-09-81	14.5
					01-21-82	20.2
					05-12-82	120
					08-12-82	17.6
Bayou DeView	Cache River	Lat 35°47'36", long 90°50'18", in SW 1/4 SW 1/4 sec.36, T.14 N., R.2 E., Craighead County, at bridge on State Highway 226, 1.8 mi (2.9 km) northwest of Gibson.	(a)	1974-81	06-09-81	[b]90.4
					10-27-81	32.6
		Arkansas River basin				
Little Sugar Creek	Big Sugar Creek	Lat 36°30'10", long 94°16'30", in SW 1/4 NE 1/4 sec.34, T.21 N., R.21 W., McDonald County, at bridge on U.S. Highway 71 at Caverna, Mo., and 0.1 mi (0.2 km) downstream from Bear Creek.	118	1971-81	05-20-81	[b]79.1
					08-11-81	[b]28.4
					10-29-81	54.5
					01-25-82	66.5
					04-20-82	60.4
					07-12-82	23.8
Butler Creek	Elk River	Lat 36°30'44", long 94°28'54", in NW 1/4 NW 1/4 sec.35, T.21 N., R.33 W., McDonald County, Mo., at county bridge about 500 ft (152 m) west of State Highway 59, 0.9 mi (1.4 km) north of State line along Highway 59, and 2.0 mi (3.2km) northwest of Sulphur Springs.	34.9	1971-81	05-20-81	[b]24.0
					08-11-81	7.0
					10-29-81	21.2
					01-25-82	13.2
					04-20-82	10.9
					07-12-82	5.37
Illinois River	Arkansas River	Lat 36°06'11", long 94°20'39", in NW 1/4 SE 1/4 sec.36, T.17 N., R.32 W., Washington County, at bridge on State Highway 16 at Savoy.	167	1957-63[d] 1974-78 1979-81[c]	07-14-82	25.3
Osage Creek	Illinois River	Lat 36°13'19", long 94°17'18", in SW 1/4 NE 1/4 sec.21, T.18 N., R.31 W., Benton County, on left bank, 0.7 mi (1.1 km) downstream from Little Osage Creek, and 3.2 mi (5.1 km) northwest of Elm Springs.	130	1950-75[c] 1977	09-03-82	46.4
Illinois River	Arkansas River	Lat 36°08'41", long 94°29'41", in SW 1/4 SW 1/4 sec.15, T.17 N., R.33 W., Benton County, at bridge on State Highway 16, 4.6 mi (7.4 km) southeast of Siloam Springs.	509	1979-81[c]	06-16-82	29,300
					06-17-82	3,070
					07-12-82	162
Sager Creek	Flint Creek	Lat 36°11'50", long 94°35'00", in SE 1/4 NE 1/4 sec.24, T.20 N., R.25 E., Delaware County, Okla., at bridge on county road, 0.8 mi (1.3 km) west of State line and 2.6 mi (4.2 km) northwest of Siloam Springs.	(a)	1971-81	05-20-81	[b]10.80
					08-11-81	[b]15.8
					10-29-81	18.7
					01-25-82	15.3
					04-20-82	9.56
					07-13-82	8.12
Bayou Two Prairie	Bayou Meto	Lat 34°51'38", long 91°58'45", in SW 1/4 NW 1/4 sec.28, T.3 N., R.9 W., Lonoke County, at bridge on State Highway 89, 8.4 mi (13.5 km) south of Cabot.	84.9	1974-81	05-28-81	[b]1,020
					11-12-81	4.46
					02-02-82	1,160
					04-28-82	199
					09-02-82	7.89

a Not determined.
b Not previously published.
c Operated as a continuous-record gaging station.
d Operated as a low-flow partial-record station.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1982--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Red River basin				
Days Creek e/	Sulphur River	Lat 33°19'15", long 93°59'53", in NE 1/4 SE 1/4 sec.33, T.16 S., R.28 W., Miller County, at bridge on State Highway 237, 7.0 mi (11.3 km) south of Texarkana.	(a)	1973-81	11-17-81 02-03-82 07-27-82	23.9 236 24.1
Bodcau Creek	Red Chute Bayou	Lat 33°15'36", long 93°33'00", in SE 1/4 sec.14, T.17 S., R.24 W., Lafayette County, at bridge on State Highway 313, 6.7 mi (10.8 km) southeast of Lewisville.	(a)	1974-81	11-17-81 02-09-82 05-04-82	f0.05 685 76.2
Little Missouri River	Ouachita River	Lat 34°18'41", long 93°53'58", in SW 1/4 sec.16, T.5 S., R.27 W., Pike County, at bridge on State Highway 84, 3.3 mi (5.3 km) west of Langley.	66.5	1958-63d 1974-81	08-20-81 11-17-81 02-04-82 05-04-82 07-27-82	b22.4 32.8 217 41.3 30.0
Moro Creek	Ouachita River	Lat 33°32'38", long 92°19'00", in sec.35, T.13 S., R.12 W., Bradley-Calhoun County line, at bridge on State Highway 4, 4.0 mi (6.4 km) west of Banks.	374	1958-63d 1974-81	06-29-81 11-05-81 03-12-82 06-01-82 08-30-82	b14.5 19.2 356 146 5.03
Hurricane Creek	Saline River	Lat 34°30'40", long 92°24'54", in SW 1/4 sec.28, T.2 S., R.13 W., Saline County, at crossing on county road 200 ft (61 m) downstream from Brushy Creek, 1.5 mi (2.4 km) southwest of Sardis.	(a)	1974-81	10-01-81 12-23-81 02-01-82 04-22-82 07-21-82	2.16 9.85 445 92.7 13.8
Bayou Bartholomew	Ouachita River	Lat 34°06'24", long 91°54'06", in NW 1/4 sec.22, T.7,W., R.8,W., Jefferson County at bridge on county road, 2.2 (3.4 km) south of Ladd.	(a)	1968, 1974-81	08-25-81 03-16-82 06-01-82 08-02-82	b14.5 34.7 130 1.92
Bayou DeLoutre	Ouachita River	Lat 33°05'55", long 92°35'32", in SE 1/4 NW 1/4 sec.6, T.19 S., R.14 W., Union County, at bridge on county road, 8.5 mi (13.7 km) southeast of El Dorado.	78.4	1959-64d 1971-75, 1978-81	09-29-81 04-06-82 07-28-82	b8.68 96.9 13.3
Big Bayou	Boeuf River	Lat 33°23'20", long 91°25'30", in SE 1/4 sec.17, T.15 S., R.3 W., Chicot County, at bridge on State Highway 144, 2.5 mi (4.0 km) southeast of Jerome.	(a)	1974-75, 1978-81	04-10-81 11-06-81 03-12-82	b0 20.1 7.25

a Not determined.
b Not previously published.
d Operated as a low-flow partial-record station.
e Operated as a stage station by Corps of Engineers.
f estimated.

Water-quality partial-record stations are particular sites where data are collected systematically over a period of years for use in hydrologic analyses. The data are collected usually less than monthly.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN

361603093563500 BEAVER LAKE AT WAR EAGLE, AR (LAT 36 16 03 LONG 093 56 35)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
DEC											
08...	1515	80513	80513	.00	2	--	--	14.5	--	--	--
08...	1520	80513	80010	1.00	2	176	7.4	--	10.0	4	6.3
MAY											
18...	1455	80513	80513	.00	4	--	--	24.5	--	--	--
18...	1500	80513	80010	2.00	4	136	7.3	--	21.0	<1	7.7
AUG											
17...	1545	80513	80513	.00	1	--	--	30.5	--	--	--
17...	1550	80513	80010	.50	1	174	8.0	--	27.5	17	1.4

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)	
DEC											
08...	>24.0	--	--	11	--	--	--	--	--		--
08...	--	11.6	.8	--	57	.00	20	50	1.6	69	
MAY											
18...	30.0	--	--	67	--	--	--	--	--		--
18...	--	7.8	.7	--	51	.00	18	45	1.5	59	
AUG											
17...	>12.0	--	--	65	--	--	--	--	--		--
17...	--	8.0	.9	--	80	5.0	29	72	1.9	75	

361531094040901 BEAVER LAKE AT ROGERS WATER INTAKE NEAR LOWELL, AR
(LAT 36 15 31 LONG 094 04 09)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
DEC											
09...	1005	80513	80513	.00	80	--	--	10.5	--	--	--
09...	1010	80513	80010	16.0	80	152	7.7	--	11.0	6	3.3
09...	1015	80513	80010	64.0	80	148	7.6	--	10.0	6	9.7
MAY											
19...	0900	80513	80513	.00	85	--	--	20.0	--	--	--
19...	0905	80513	80010	17.0	85	128	7.5	--	18.0	2	7.0
19...	0910	80513	80010	68.0	85	128	7.2	--	9.5	23	19
AUG											
18...	0905	80513	80513	.00	80	--	--	25.0	--	--	--
18...	0910	80513	80010	16.0	80	121	8.4	--	29.0	24	7.6
18...	0915	80513	80010	64.0	80	135	7.4	--	13.5	33	41

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC											
09...	1005	60.0	--	--	0	--	--	--	--	--	--
09...	1010	--	9.1	.9	--	64	6.0	23	58	1.6	1.1
09...	1015	--	8.7	.8	--	42	.00	14	35	1.7	1.2
MAY											
19...	0900	16.8	--	--	15	--	--	--	--	--	--
19...	0905	--	6.1	1.0	--	42	.00	14	35	1.7	1.5
19...	0910	--	3.4	.6	--	44	3.0	15	38	1.7	2.0
AUG											
18...	0905	96.0	--	--	0	--	--	--	--	--	--
18...	0910	--	6.6	.6	--	56	4.0	20	50	1.4	1.6
18...	0915	--	.1	1.2	--	66	13	23	58	2.0	1.6

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

361531094040901 BEAVER LAKE AT ROGERS WATER INTAKE NEAR LOWELL, AR--CONTINUED

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC											
09...	1010	58	10	4.5	.40	.070	--	<.10	--	--	<.010
09...	1015	54	10	4.6	.41	.170	.00	.15	.56	2.5	.010
MAY											
19...	0905	43	8.0	3.6	.43	.100	.34	.44	.87	3.9	.050
19...	0910	41	9.0	3.7	1.0	.080	.20	.28	1.3	5.7	.060
AUG											
18...	0910	52	7.0	3.5	<.10	.020	.38	.40	--	--	.040
18...	0915	53	7.0	3.3	.42	.370	1.8	2.20	2.6	12	.120

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
09...	1010	<.010	80	1	<0	5	180	70	<.1	2	50
09...	1015	.020	140	1	<0	5	480	170	<.1	3	50
MAY											
19...	0905	.020	150	1	20	3	310	20	<.1	2	10
19...	0910	.030	460	1	20	4	830	230	<.1	4	10
AUG											
18...	0910	<.010	70	1	10	6	60	20	<.1	3	50
18...	0915	.090	<100	2	10	8	2300	1600	<.1	5	40

361656094043000 BEAVER LAKE AT MONTE NE, AR
(LAT 36 16 56 LONG 094 04 30)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
09...	1035	80513	80513	.00	4	--	--	9.0	--	--
09...	1040	80513	80010	2.00	4	195	7.6	--	10.5	3
MAY										
19...	0945	80513	80513	.00	10	--	--	21.5	--	--
19...	0950	80513	80010	5.00	10	144	8.3	--	20.5	<1
AUG										
18...	0935	80513	80513	.00	6	--	--	24.5	--	--
18...	0940	80513	80010	3.00	6	134	7.6	--	28.0	10

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
09...	--	34.0	--	0	--	--	--	--	--	--
09...	2.0	--	9.5	--	59	.00	21	52	1.6	73
MAY										
19...	--	48.0	--	4	--	--	--	--	--	--
19...	3.0	--	10.0	--	49	.00	17	42	1.6	51
AUG										
18...	--	57.6	--	0	--	--	--	--	--	--
18...	2.2	--	8.1	--	60	4.0	21	52	1.8	56

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

362210094033800 BEAVER LAKE NEAR AVOCA, AR (LAT 36 22 10 LONG 094 03 38)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
DEC											
09...	1120	80513	80513	.00	5	--	--	11.0	--	--	--
09...	1125	80513	80010	2.50	5	160	7.8	--	10.5	4	1.9
MAY											
19...	1045	80513	80513	.00	9	--	--	22.5	--	--	--
19...	1050	80513	80010	4.50	9	153	8.3	--	22.0	<1	1.8
AUG											
18...	1035	80513	80513	.00	6	--	--	26.0	--	--	--
18...	1040	80513	80010	3.00	6	132	8.5	--	28.5	9	1.5

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC											
09...	1120	40.0	--	--	1	--	--	--	--	--	--
09...	1125	--	10.1	.6	--	44	.00	15	38	1.7	1.2
MAY											
19...	1045	61.2	--	--	4	--	--	--	--	--	--
19...	1050	--	10.4	1.9	--	54	.00	19	48	1.7	1.6
AUG											
18...	1035	60.0	--	--	0	--	--	--	--	--	--
18...	1040	--	7.3	.9	--	62	7.0	22	55	1.7	1.5

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC											
09...	1125	65	11	4.7	.27	.060	--	<.10	--	--	<.010
MAY											
19...	1050	56	9.0	4.1	.57	.020	.48	.50	1.1	4.7	.040
AUG											
18...	1040	55	8.0	4.0	<.10	.020	1.6	1.60	--	--	.020

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
09...	1125	<.010	80	1	<0	66	170	90	<.1	2	50
MAY											
19...	1050	.010	50	1	20	3	80	20	<.1	2	10
AUG											
18...	1040	<.010	80	1	10	6	60	30	<.1	4	20

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

361957094010800 BEAVER LAKE AT HIGHWAY 12 BRIDGE NEAR ROGERS, AR
(LAT 36 19 57 LONG 094 01 08)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
DEC											
09...	0905	80513	80513	.00	110	--	--	5.0	--	--	--
09...	0910	80513	80010	22.0	110	146	7.7	--	11.5	5	2.2
09...	0915	80513	80010	88.0	110	154	7.5	--	11.5	9	4.8
MAY											
19...	1015	80513	80513	.00	115	--	--	21.5	--	--	--
19...	1020	80513	80010	23.0	115	126	7.7	--	17.5	<1	2.9
19...	1025	80513	80010	92.0	115	131	7.1	--	7.0	3	6.3
AUG											
18...	1005	80513	80513	.00	115	--	--	27.0	--	--	--
18...	1010	80513	80010	23.0	115	124	8.5	--	28.0	7	1.4
18...	1015	80513	80010	92.0	115	132	7.5	--	10.0	18	4.6

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC											
09...	0905	55.0	--	--	0	--	--	--	--	--	--
09...	0910	--	8.8	.2	--	40	.00	13	32	1.9	1.4
09...	0915	--	4.1	1.0	--	43	.00	15	38	1.4	1.4
MAY											
19...	1015	57.6	--	--	0	--	--	--	--	--	--
19...	1020	--	7.6	1.1	--	47	1.0	16	40	1.7	1.7
19...	1025	--	5.3	.6	--	55	5.0	19	48	1.8	2.0
AUG											
18...	1005	56.4	--	--	1	--	--	--	--	--	--
18...	1010	--	6.3	.3	--	61	9.0	21	52	2.0	1.5
18...	1015	--	.1	.5	--	57	5.0	21	52	1.2	1.7

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC											
09...	0910	56	9.6	4.6	.26	.060	--	<.10	--	--	.010
09...	0915	58	9.3	4.5	.20	.140	.09	.23	.43	1.9	.010
MAY											
19...	1020	46	9.0	3.7	.54	.080	.44	.52	1.1	4.7	.050
19...	1025	50	8.0	3.8	.77	.020	.29	.31	1.1	4.8	.040
AUG											
18...	1010	52	8.0	3.4	<.10	.040	4.7	4.70	--	--	.020
18...	1015	52	7.0	3.8	.62	.190	.21	.40	1.0	4.5	.040

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
09...	0910	.010	80	1	0	6	180	170	<.1	3	50
09...	0915	.040	120	1	<0	7	290	1200	<.1	2	70
MAY											
19...	1020	<.010	80	1	10	3	150	10	<.1	3	20
19...	1025	.010	150	1	20	3	280	140	<.1	3	10
AUG											
18...	1010	<.010	70	1	10	6	30	30	<.1	3	30
18...	1015	.020	160	2	10	5	300	1900	<.1	3	60

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

362048094045700 BEAVER LAKE ON PRAIRIE CREEK NEAR ROGERS, AR
(LAT 36 20 48 LONG 094 04 57)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
DEC											
09...	1135	80513	80513	.00	4	--	--	11.0	--	--	--
09...	1140	80513	80010	2.00	4	173	8.0	--	10.0	3	2.0
MAY											
19...	1105	80513	80513	.00	8	--	--	24.0	--	--	--
19...	1110	80513	80010	4.00	8	133	9.0	--	21.0	<1	2.0
AUG											
18...	1045	80513	80513	.00	6	--	--	26.0	--	--	--
18...	1050	80513	80010	3.00	6	137	7.6	--	28.5	9	20

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
09...	47.0	--	--	0	--	--	--	--	--	--
09...	--	10.5	.6	--	64	.00	23	58	1.7	68
MAY										
19...	57.6	--	--	1	--	--	--	--	--	--
19...	--	11.0	2.1	--	47	.00	16	40	1.7	75
AUG										
18...	50.4	--	--	0	--	--	--	--	--	--
18...	--	7.2	1.0	--	63	9.0	22	55	1.9	54

07050080 TABLE ROCK LAKE NEAR EAGLE ROCK, MO
(LAT 36 31 22 LONG 093 43 26)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
09...	1605	80513	80513	.00	55	--	--	8.5	--	--
09...	1610	80513	80010	11.0	55	226	8.0	--	10.0	5
09...	1615	80513	80010	44.0	55	232	7.8	--	9.0	3
MAY										
19...	1525	80513	80513	.00	58	--	--	26.0	--	--
19...	1530	80513	80010	12.0	58	194	8.4	--	20.0	<1
19...	1535	80513	80010	46.0	58	182	7.7	--	13.0	5
AUG										
18...	1425	80513	80513	.00	58	--	--	30.5	--	--
18...	1430	80513	80010	11.5	58	190	7.9	--	29.0	10
18...	1435	80513	80010	46.5	58	180	7.6	--	19.0	13

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
09...	--	112	--	1	--	--	--	--	--	--
09...	.80	--	10.1	--	79	.00	21	52	6.4	100
09...	3.0	--	7.8	--	80	.00	21	52	6.6	110
MAY										
19...	--	154	--	0	--	--	--	--	--	--
19...	1.3	--	9.6	--	84	.00	28	70	3.5	85
19...	1.1	--	9.2	--	80	5.0	27	68	3.0	75
AUG										
18...	--	99.6	--	6	--	--	--	--	--	--
18...	2.1	--	8.0	--	96	11	29	72	5.7	85
18...	2.4	--	4.8	--	100	1.0	30	75	6.9	102

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

07050510 TABLE ROCK LAKE (KINGS RIVER ARM) NEAR CARR LANE, MO
(LAT 36 30 08 LONG 093 36 00)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
09...	1645	80513	80513	.00	18	--	--	7.5	--	--
09...	1650	80513	80010	3.50	18	270	8.0	--	8.0	6
09...	1655	80513	80010	14.5	18	272	8.0	--	8.0	3
MAY										
19...	1605	80513	80513	.00	25	--	--	25.5	--	--
19...	1610	80513	80010	5.00	25	237	7.9	--	23.0	<1
19...	1615	80513	80010	20.0	25	258	7.4	--	17.0	<1
AUG										
18...	1525	80513	80513	.00	23	--	--	31.5	--	--
18...	1530	80513	80010	4.50	23	212	7.8	--	30.0	17
18...	1535	80513	80010	18.5	23	260	8.5	--	26.0	17

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
09...	--	120	--	0	--	--	--	--	--	--
09...	.70	--	12.0	--	95	.00	26	65	7.3	130
09...	1.6	--	12.0	--	93	.00	25	62	7.4	130
MAY										
19...	--	72.0	--	4	--	--	--	--	--	--
19...	1.6	--	6.3	--	110	.00	33	82	5.7	114
19...	2.3	--	.2	--	110	.00	34	85	7.1	120
AUG										
18...	--	54.0	--	2	--	--	--	--	--	--
18...	1.1	--	14.6	--	100	.00	28	70	7.6	102
18...	3.9	--	5.2	--	130	8.0	38	95	9.5	126

07050530 TABLE ROCK LAKE NEAR LAMPE, MO
(LAT 36 34 20 LONG 093 31 25)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
DEC											
10...	0845	80513	80513	.00	140	--	--	1.0	--	--	--
10...	0850	80513	80010	28.0	140	195	7.9	--	11.0	1	.60
10...	0855	80513	80010	112	140	200	7.6	--	9.0	2	5.0
MAY											
20...	1205	80513	80513	.00	140	--	--	26.5	--	--	--
20...	1210	80513	80010	28.0	140	260	8.0	--	14.0	1	<1.0
20...	1215	80513	80010	112	140	234	7.4	--	6.5	3	1.3
AUG											
19...	1020	80513	80513	.00	145	--	--	28.5	--	--	--
19...	1025	80513	80010	29.0	145	210	7.7	--	26.0	12	<1.0
19...	1030	80513	80010	116	145	192	7.5	--	9.0	5	2.4

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

07050530 TABLE ROCK LAKE NEAR LAMPE, MO--CONTINUED

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC											
10...	0845	137	--	--	1	--	--	--	--	--	--
10...	0850	--	9.1	1.7	--	90	.00	27	68	5.6	1.6
10...	0855	--	.1	1.7	--	71	.00	21	52	4.6	1.5
MAY											
20...	1205	174	--	--	160	--	--	--	--	--	--
20...	1210	--	8.1	.6	--	93	.00	26	65	6.8	1.8
20...	1215	--	6.5	.5	--	93	.00	27	68	6.2	2.0
AUG											
19...	1020	106	--	--	0	--	--	--	--	--	--
19...	1025	--	3.0	.5	--	110	14	34	85	6.5	1.6
19...	1030	--	.6	.3	--	90	5.0	29	72	4.2	1.7

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC											
10...	0850	93	8.4	5.4	.12	.070	.60	.67	.79	3.5	<.010
10...	0855	100	7.2	5.6	.04	.350	.23	.58	.62	2.7	.040
MAY											
20...	1210	98	9.0	4.9	.35	.080	1.1	1.20	1.6	6.9	.020
20...	1215	102	10	5.4	.53	.060	.63	.69	1.2	5.4	.030
AUG											
19...	1025	98	7.0	3.4	<.10	.020	--	<.10	--	--	.020
19...	1030	85	8.0	3.8	.41	.060	4.2	4.30	4.7	21	.020

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
10...	0850	<.010	60	1	10	3	20	50	<.1	2	50
10...	0855	.010	30	1	20	3	270	2100	<.1	3	50
MAY											
20...	1210	<.010	20	1	10	3	30	20	<.1	4	40
20...	1215	.020	40	1	20	4	60	130	<.1	2	20
AUG											
19...	1025	<.010	30	1	<10	2	10	10	.1	2	90
19...	1030	<.010	40	1	<10	2	60	870	.2	4	150

07052910 TABLE ROCK LAKE (JAMES RIVER ARM) AT CAPE FAIR, MO
(LAT 36 43 24 LONG 093 29 35)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
DEC											
10...	1055	80513	80513	.00	44	--	--	1.0	--	--	--
10...	1100	80513	80010	9.00	44	365	7.8	--	11.0	3	1.7
10...	1105	80513	80010	35.0	44	371	8.0	--	10.5	2	1.4
MAY											
20...	1355	80513	80513	.00	46	--	--	26.5	--	--	--
20...	1400	80513	80010	9.00	46	273	7.9	--	23.0	5	1.4
20...	1405	80513	80010	37.0	46	358	7.7	--	14.0	<1	2.6
AUG											
19...	0745	80513	80513	.00	45	--	--	27.5	--	--	--
19...	0750	80513	80010	9.00	45	225	7.8	--	26.0	8	1.6
19...	0755	80513	80010	36.0	45	320	7.6	--	22.0	17	5.1

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

07052910 TABLE ROCK LAKE (JAMES RIVER ARM) AT CAPE FAIR, MO--CONTINUED

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC											
10...	1055	74.0	--	--	0	--	--	--	--	--	--
10...	1100	--	12.3	6.2	--	130	.00	41	100	5.9	2.2
10...	1105	--	9.0	2.6	--	120	.00	41	100	5.4	2.1
MAY											
20...	1355	44.4	--	--	3	--	--	--	--	--	--
20...	1400	--	13.3	5.4	--	100	.00	31	78	6.1	2.1
20...	1405	--	.1	1.4	--	160	6.0	52	130	6.4	2.0
AUG											
19...	0745	69.6	--	--	1	--	--	--	--	--	--
19...	0750	--	5.2	1.6	--	98	6.0	31	78	5.0	2.3
19...	0755	--	2.9	1.2	--	150	24	53	132	5.2	4.0

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC											
10...	1100	140	13	11	.56	.060	1.6	1.70	2.3	10	.110
10...	1105	160	15	12	1.3	.080	.38	.46	1.8	7.8	.170
MAY											
20...	1400	107	14	11	.30	.060	.66	.72	1.0	4.5	<.010
20...	1405	150	14	11	.90	.460	2.1	2.60	3.5	16	.150
AUG											
19...	0750	92	11	9.3	<.10	.030	.27	.30	--	--	.060
19...	0755	130	12	8.7	1.5	.200	.20	.40	1.9	8.4	.190

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
10...	1100	.030	10	1	20	3	30	20	<.1	2	130
10...	1105	.140	60	1	20	4	100	20	<.1	5	30
MAY											
20...	1400	<.010	100	1	20	7	70	30	<.1	4	30
20...	1405	.140	80	2	10	4	60	340	<.1	10	30
AUG											
19...	0750	.010	50	1	<10	1	20	20	.2	4	70
19...	0755	.150	300	2	10	3	320	200	<.1	6	130

07052920 TABLE ROCK LAKE (JAMES RIVER) NEAR KIMBERLING CITY, MO
(LAT 36 38 23 LONG 093 29 27)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
10...	0935	80513	80513	.00	145	--	--	1.0	--	--
10...	0940	80513	80010	29.0	145	230	7.9	--	11.5	1
10...	0945	80513	80010	116	145	275	7.5	--	9.5	3
MAY										
20...	1125	80513	80513	.00	145	--	--	27.0	--	--
20...	1130	80513	80010	29.0	145	268	7.7	--	14.5	<1
20...	1135	80513	80010	116	145	282	7.4	--	6.5	3
AUG										
19...	0935	80513	80513	.00	150	--	--	25.0	--	--
19...	0940	80513	80010	30.0	150	305	7.5	--	22.5	16
19...	0945	80513	80010	120	150	290	7.6	--	10.0	15

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

07052920 TABLE ROCK LAKE (JAMES RIVER) NEAR KIMBERLING CITY, MO--CONTINUED

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
10...	--	138	--	0	--	--	--	--	--	--
10...	1.0	--	8.0	--	84	.00	25	62	5.2	110
10...	2.8	--	.1	--	88	.00	27	68	4.9	120
MAY										
20...	--	164	--	0	--	--	--	--	--	--
20...	<1.0	--	5.1	--	120	13	38	95	6.3	108
20...	1.2	--	3.9	--	120	7.0	40	100	5.3	115
AUG										
19...	--	122	--	0	--	--	--	--	--	--
19...	1.6	--	.1	--	150	13	49	122	6.1	134
19...	1.6	--	.1	--	140	11	48	120	4.6	128

07053320 TABLE ROCK LAKE (LONG CREEK ARM) NEAR RIDGEDALE, MO
(LAT 36 31 39 LONG 093 18 10)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
10...	1255	80513	80513	.00	110	--	--	3.5	--	--
10...	1300	80513	80010	22.0	110	210	8.1	--	11.0	2
10...	1305	80513	80010	88.0	110	210	8.0	--	10.5	1
MAY										
20...	0930	80513	80513	.00	115	--	--	23.5	--	--
20...	0935	80513	80010	23.0	115	240	8.3	--	17.5	3
20...	0940	80513	80010	92.0	115	241	7.9	--	8.0	5
AUG										
19...	1355	80513	80513	.00	115	--	--	30.5	--	--
19...	1400	80513	80010	23.0	115	205	8.5	--	25.0	5
19...	1405	80513	80010	92.0	115	259	7.6	--	11.0	5

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
10...	--	92.0	--	0	--	--	--	--	--	--
10...	1.1	--	9.4	--	79	.00	25	62	4.1	100
10...	3.0	--	8.7	--	78	.00	25	62	3.7	110
MAY										
20...	--	132	--	7	--	--	--	--	--	--
20...	<1.0	--	10.7	--	110	9.0	36	90	5.9	105
20...	1.0	--	5.3	--	110	6.0	36	90	5.1	105
AUG										
19...	--	157	--	0	--	--	--	--	--	--
19...	1.2	--	12.6	--	100	12	31	78	6.6	93
19...	2.9	--	.2	--	120	5.0	41	102	4.0	114

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

07053830 BULL SHOALS LAKE AT FORSYTH, MO (LAT 36 40 17 LONG 093 07 10)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
DEC											
10...	1555	80513	80513	.00	4	--	--	4.5	--	--	--
10...	1600	80513	80010	2.00	4	259	7.7	--	7.0	1	1.5
MAY											
20...	1735	80513	80513	.00	10	--	--	30.5	--	--	--
20...	1740	80513	80010	5.00	10	268	8.2	--	18.0	3	18
AUG											
19...	1655	80513	80513	.00	16	--	--	32.5	--	--	--
19...	1700	80513	80010	8.00	16	240	7.7	--	20.5	15	4.9

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC											
10...	1555	>48.0	--	--	4	--	--	--	--	--	--
10...	1600	--	11.6	1.2	--	93	.00	26	65	6.8	1.4
MAY											
20...	1735	30.0	--	--	5	--	--	--	--	--	--
20...	1740	--	9.2	2.8	--	120	.00	31	78	9.2	2.3
AUG											
19...	1655	102	--	--	48	--	--	--	--	--	--
19...	1700	--	6.8	1.6	--	130	11	37	92	8.6	2.0

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC											
10...	1600	120	9.5	6.5	.31	.030	.68	.71	1.0	4.5	.010
MAY											
20...	1740	126	10	6.4	.14	.080	.56	.64	.78	3.5	.040
AUG											
19...	1700	117	8.0	4.7	.28	.060	.24	.30	.58	2.6	.030

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
10...	1600	<.010	70	1	20	3	100	30	<.1	2	40
MAY											
20...	1740	.010	620	1	10	9	850	120	<.1	5	40
AUG											
19...	1700	<.010	100	2	<10	1	110	90	.2	3	40

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

07054220 BULL SHOALS LAKE ON FOX CREEK NEAR MO-ARK STATE LINE
(LAT 36 30 05 LONG 093 03 26)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
11...	0720	80513	80513	.00	8	--	--	.0	--	--
11...	0725	80513	80010	4.00	8	295	8.4	--	7.5	2
MAY										
20...	1615	80513	80513	.00	27	--	--	32.5	--	--
20...	1620	80513	80010	5.00	27	282	8.1	--	22.0	<1
20...	1625	80513	80010	21.0	27	335	7.7	--	19.0	<1
AUG										
19...	1540	80513	80513	.00	23	--	--	32.0	--	--
19...	1545	80513	80010	4.50	23	240	8.5	--	30.0	5
19...	1550	80513	80010	18.5	23	254	8.0	--	28.0	17

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
11...	--	48.0	--	1	--	--	--	--	--	--
11...	1.3	--	11.9	--	100	.00	25	62	10	140
MAY										
20...	--	56.4	--	0	--	--	--	--	--	--
20...	1.4	--	9.2	--	130	5.0	38	95	9.1	127
20...	1.4	--	4.7	--	180	11	47	120	14	164
AUG										
19...	--	76.8	--	2	--	--	--	--	--	--
19...	1.1	--	7.9	--	120	10	31	78	11	113
19...	1.4	--	5.9	--	120	8.0	31	78	11	115

362925092471500 BULL SHOALS LAKE NEAR BUCK CREEK, AR
(LAT 36 29 25 LONG 092 47 15)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
DEC											
15...	1025	80513	80513	.00	130	--	--	5.0	--	--	--
15...	1030	80513	80010	26.0	130	260	8.0	--	10.5	1	1.1
15...	1035	80513	80010	104	130	270	7.5	--	9.5	3	3.0
MAY											
25...	1030	80513	80513	.00	140	--	--	21.0	--	--	--
25...	1035	80513	80010	28.0	140	245	8.4	--	18.5	<1	<1.0
25...	1040	80513	80010	112	140	264	7.9	--	7.0	<1	1.0
AUG											
24...	1040	80513	80513	.00	135	--	--	34.0	--	--	--
24...	1045	80513	80010	27.0	135	260	7.8	--	25.0	6	2.0
24...	1050	80513	80010	108	135	260	7.6	--	9.5	17	1.4

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC											
15...	1025	120	--	--	K3	--	--	--	--	--	--
15...	1030	--	8.5	.6	--	120	.00	35	88	8.7	1.2
15...	1035	--	.1	1.0	--	130	.00	34	85	11	1.0
MAY											
25...	1030	128	--	--	0	--	--	--	--	--	--
25...	1035	--	10.2	1.4	--	130	14	37	92	10	1.5
25...	1040	--	6.4	1.2	--	130	5.0	35	88	9.2	1.4
AUG											
24...	1040	155	--	--	53	--	--	--	--	--	--
24...	1045	--	5.1	.7	--	120	.00	32	80	9.5	1.6
24...	1050	--	.3	.6	--	120	.00	37	92	7.2	1.6

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

362925092471500 BULL SHOALS LAKE NEAR BUCK CREEK, AR--CONTINUED

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC											
15...	1030	130	8.2	5.1	.11	.080	.24	.32	.43	1.9	.020
15...	1035	130	7.8	5.1	.11	.110	.17	.28	.39	1.7	.020
MAY											
25...	1035	120	9.0	5.3	<.10	.080	.22	.30	--	--	.010
25...	1040	120	8.0	4.9	.30	.070	.13	.20	.50	2.2	<.010
AUG											
24...	1045	121	7.0	4.7	<.10	.010	.89	.90	--	--	<.010
24...	1050	125	7.0	5.4	.39	.040	--	<.10	--	--	<.010

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
15...	1030	<.010	10	1	10	3	80	40	<.1	3	40
15...	1035	<.010	60	1	20	5	120	290	<.1	1	30
MAY											
25...	1035	<.010	30	1	10	3	60	10	.1	<1	<10
25...	1040	<.010	10	1	10	3	40	90	<.1	8	10
AUG											
24...	1045	<.010	30	1	10	3	50	10	<.1	2	140
24...	1050	<.010	60	1	10	9	100	70	<.1	7	120

362530092420001 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (FISH PEN)
(LAT 36 25 30 LONG 092 42 00)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)
DEC								
15...	0840	80513	80513	.00	65	255	8.1	5.0
15...	0842	80513	--	10.0	65	255	8.1	--
15...	0845	80513	80010	13.0	65	255	8.1	--
15...	0846	80513	--	20.0	65	255	8.1	--
15...	0847	80513	--	30.0	65	255	8.1	--
15...	0848	80513	--	40.0	65	255	8.1	--
15...	0849	80513	--	50.0	65	255	8.1	--
15...	0850	80513	80010	52.0	65	255	8.1	--
15...	0853	80513	--	60.0	65	255	8.1	--
15...	0855	80513	--	65.0	65	255	8.1	--
MAY								
25...	0830	80513	80513	.00	80	245	8.5	20.0
25...	0832	80513	--	10.0	80	245	8.6	--
25...	0835	80513	80010	16.0	80	245	8.5	--
25...	0836	80513	--	20.0	80	245	8.5	--
25...	0838	80513	--	24.0	80	245	8.4	--
25...	0840	80513	--	25.0	80	245	8.4	--
25...	0842	80513	--	27.0	80	245	8.3	--
25...	0844	80513	--	28.0	80	245	8.2	--
25...	0846	80513	--	29.0	80	245	8.2	--
25...	0848	80513	--	30.0	80	245	8.2	--
25...	0850	80513	--	36.0	80	245	8.0	--
25...	0852	80513	--	40.0	80	245	7.9	--
25...	0854	80513	--	45.0	80	245	7.7	--
25...	0856	80513	--	50.0	80	245	7.6	--
25...	0858	80513	--	60.0	80	250	7.4	--
25...	0900	80513	80010	64.0	80	250	7.3	--
25...	0902	80513	--	70.0	80	255	7.2	--
25...	0905	80513	--	80.0	80	255	7.1	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

362530092420001 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (FISH PEN)--CONTINUED

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)
AUG								
24...	0840	80513	80513	.00	80	245	8.3	30.0
24...	0842	80513	--	10.0	80	245	8.4	--
24...	0845	80513	80010	16.0	80	245	8.4	--
24...	0846	80513	--	20.0	80	245	8.4	--
24...	0848	80513	--	25.0	80	250	8.3	--
24...	0850	80513	--	26.0	80	260	8.1	--
24...	0852	80513	--	27.0	80	260	8.1	--
24...	0854	80513	--	28.0	80	265	7.9	--
24...	0856	80513	--	30.0	80	265	7.8	--
24...	0858	80513	--	32.0	80	270	7.7	--

DATE	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC							
15...	10.5	9.4	174	4.4	--	--	1
15...	10.5	9.3	--	--	--	--	--
15...	10.0	9.2	--	--	.9	<10	--
15...	10.0	9.2	--	--	--	--	--
15...	10.0	9.2	--	--	--	--	--
15...	10.0	9.2	--	--	--	--	--
15...	10.0	9.1	--	--	--	--	--
15...	10.0	9.1	--	--	.7	20	--
15...	10.0	9.0	--	--	--	--	--
15...	10.0	9.0	--	--	--	--	--
MAY							
25...	22.5	9.8	138	3.5	--	--	0
25...	22.0	10.0	--	--	--	--	--
25...	21.0	11.3	--	--	1.4	78	--
25...	20.5	11.1	--	--	--	--	--
25...	19.5	10.8	--	--	--	--	--
25...	18.5	10.4	--	--	--	--	--
25...	17.5	10.2	--	--	--	--	--
25...	16.5	9.7	--	--	--	--	--
25...	15.0	9.7	--	--	--	--	--
25...	14.5	9.7	--	--	--	--	--
25...	13.5	9.1	--	--	--	--	--
25...	13.0	8.6	--	--	--	--	--
25...	12.0	6.3	--	--	--	--	--
25...	11.0	5.7	--	--	--	--	--
25...	10.0	2.9	--	--	--	--	--
25...	9.5	1.3	--	--	1.6	160	--
25...	9.0	.5	--	--	--	--	--
25...	9.0	.1	--	--	--	--	--
AUG							
24...	28.0	7.9	174	4.4	--	--	7
24...	28.0	7.9	--	--	--	--	--
24...	28.0	7.8	--	--	.6	18	--
24...	28.0	7.8	--	--	--	--	--
24...	27.0	6.8	--	--	--	--	--
24...	26.0	6.2	--	--	--	--	--
24...	25.0	5.9	--	--	--	--	--
24...	24.0	5.5	--	--	--	--	--
24...	23.0	5.1	--	--	--	--	--
24...	22.0	3.8	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

362530092420001 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (FISH PEN)--CONTINUED

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)
AUG											
24...	0900	80513	--	35.0	80	270	7.7	21.0	3.0	--	--
24...	0902	80513	--	37.0	80	275	7.6	20.0	2.2	--	--
24...	0904	80513	--	40.0	80	275	7.6	19.0	1.3	--	--
24...	0906	80513	--	44.0	80	280	7.5	18.0	.5	--	--
24...	0908	80513	--	47.0	80	280	7.5	17.0	.1	--	--
24...	0910	80513	--	50.0	80	280	7.5	16.0	.1	--	--
24...	0912	80513	--	55.0	80	280	7.4	15.0	.1	--	--
24...	0914	80513	--	60.0	80	280	7.3	14.5	.1	--	--
24...	0915	80513	80010	64.0	80	280	7.2	13.5	.1	1.8	29
24...	0916	80513	--	70.0	80	280	7.2	13.0	.1	--	--
24...	0920	80513	--	80.0	80	300	7.0	12.0	.0	--	--

362530092420000 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (LOG BOOM)
(LAT 36 25 30 LONG 092 42 00)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
DEC											
15...	0910	80513	80513	.00	70	255	8.1	5.0	10.5	--	--
15...	0912	80513	--	10.0	70	255	8.1	--	10.5	--	--
15...	0915	80513	80010	14.0	70	255	8.1	--	10.5	3	1.0
15...	0916	80513	--	20.0	70	255	8.1	--	10.5	--	--
15...	0917	80513	--	30.0	70	255	8.1	--	10.5	--	--
15...	0918	80513	--	40.0	70	255	8.1	--	10.5	--	--
15...	0919	80513	--	50.0	70	255	8.1	--	10.5	--	--
15...	0920	80513	80010	56.0	70	255	8.1	--	10.5	1	.90
15...	0923	80513	--	60.0	70	255	8.0	--	10.5	--	--
15...	0925	80513	--	70.0	70	255	8.0	--	10.5	--	--
MAY											
25...	0905	80513	80513	.00	80	245	8.6	20.0	22.5	--	--
25...	0908	80513	--	10.0	80	245	8.6	--	22.0	--	--
25...	0910	80513	80010	16.0	80	245	8.6	--	21.0	2	1.0
25...	0912	80513	--	20.0	80	245	8.6	--	20.0	--	--
25...	0914	80513	--	24.0	80	245	8.5	--	19.0	--	--
25...	0916	80513	--	25.0	80	245	8.4	--	18.0	--	--
25...	0918	80513	--	26.0	80	245	8.3	--	16.5	--	--
25...	0920	80513	--	29.0	80	245	8.3	--	15.5	--	--
25...	0922	80513	--	30.0	80	245	8.1	--	14.5	--	--
25...	0924	80513	--	34.0	80	245	8.1	--	13.5	--	--
25...	0926	80513	--	40.0	80	245	7.9	--	12.5	--	--
25...	0928	80513	--	45.0	80	245	7.6	--	11.5	--	--
25...	0930	80513	--	50.0	80	245	7.5	--	11.0	--	--
25...	0932	80513	--	60.0	80	245	7.4	--	10.0	--	--
25...	0935	80513	80010	64.0	80	250	7.7	--	9.5	<1	<1.0
25...	0938	80513	--	70.0	80	255	7.2	--	9.0	--	--
25...	0940	80513	--	80.0	80	255	7.1	--	8.5	--	--
AUG											
24...	0920	80513	80513	.00	85	245	8.4	30.5	28.0	--	--
24...	0922	80513	--	10.0	85	245	8.4	--	28.0	--	--
24...	0925	80513	80010	17.0	85	245	8.3	--	28.0	12	1.5
24...	0926	80513	--	20.0	85	250	8.3	--	28.0	--	--
24...	0928	80513	--	25.0	85	255	8.1	--	27.0	--	--
24...	0930	80513	--	27.0	85	260	7.9	--	26.0	--	--
24...	0932	80513	--	28.0	85	265	7.8	--	24.5	--	--
24...	0934	80513	--	29.0	85	270	7.8	--	23.5	--	--
24...	0936	80513	--	30.0	85	270	7.7	--	22.5	--	--
24...	0938	80513	--	32.0	85	275	7.6	--	21.5	--	--
24...	0940	80513	--	35.0	85	275	7.6	--	20.5	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

362530092420000 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (LOG BOOM)--CONTINUED

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
AUG										
24...	0942	80513	--	40.0	85	280	7.5	19.5	--	--
24...	0944	80513	--	43.0	85	280	7.4	18.5	--	--
24...	0946	80513	--	46.0	85	280	7.4	17.5	--	--
24...	0948	80513	--	48.0	85	280	7.4	16.5	--	--
24...	0950	80513	--	50.0	85	280	7.4	15.5	--	--
24...	0952	80513	--	60.0	85	280	7.3	14.5	--	--
24...	0955	80513	80010	67.0	85	280	7.2	13.5	6	2.3
24...	0956	80513	--	70.0	85	280	7.1	13.0	--	--
24...	0958	80513	--	80.0	85	290	7.0	12.0	--	--
24...	1000	80513	--	85.0	85	290	6.9	11.0	--	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC											
15...	0910	174	9.2	--	0	--	--	--	--	--	--
15...	0912	--	9.2	--	--	--	--	--	--	--	--
15...	0915	--	9.2	.8	--	120	.00	34	85	9.3	1.3
15...	0916	--	9.1	--	--	--	--	--	--	--	--
15...	0917	--	9.1	--	--	--	--	--	--	--	--
15...	0918	--	9.0	--	--	--	--	--	--	--	--
15...	0919	--	9.0	--	--	--	--	--	--	--	--
15...	0920	--	9.0	.8	--	130	3.0	35	88	11	1.4
15...	0923	--	9.0	--	--	--	--	--	--	--	--
15...	0925	--	9.0	--	--	--	--	--	--	--	--
MAY											
25...	0905	122	9.9	--	2	--	--	--	--	--	--
25...	0908	--	10.2	--	--	--	--	--	--	--	--
25...	0910	--	11.5	1.6	--	140	13	36	90	11	1.8
25...	0912	--	11.5	--	--	--	--	--	--	--	--
25...	0914	--	10.8	--	--	--	--	--	--	--	--
25...	0916	--	10.4	--	--	--	--	--	--	--	--
25...	0918	--	10.2	--	--	--	--	--	--	--	--
25...	0920	--	10.0	--	--	--	--	--	--	--	--
25...	0922	--	9.5	--	--	--	--	--	--	--	--
25...	0924	--	9.3	--	--	--	--	--	--	--	--
25...	0926	--	7.9	--	--	--	--	--	--	--	--
25...	0928	--	6.7	--	--	--	--	--	--	--	--
25...	0930	--	5.8	--	--	--	--	--	--	--	--
25...	0932	--	2.9	--	--	--	--	--	--	--	--
25...	0935	--	2.5	1.4	--	130	10	37	92	10	1.5
25...	0938	--	1.1	--	--	--	--	--	--	--	--
25...	0940	--	.1	--	--	--	--	--	--	--	--
AUG											
24...	0920	170	8.2	--	320	--	--	--	--	--	--
24...	0922	--	8.1	--	--	--	--	--	--	--	--
24...	0925	--	7.6	.8	--	110	.00	27	68	9.7	1.5
24...	0926	--	7.4	--	--	--	--	--	--	--	--
24...	0928	--	6.8	--	--	--	--	--	--	--	--
24...	0930	--	5.1	--	--	--	--	--	--	--	--
24...	0932	--	5.6	--	--	--	--	--	--	--	--
24...	0934	--	6.1	--	--	--	--	--	--	--	--
24...	0936	--	5.3	--	--	--	--	--	--	--	--
24...	0938	--	4.0	--	--	--	--	--	--	--	--
24...	0940	--	3.4	--	--	--	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

362530092420000 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (LOG BOOM)--CONTINUED

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
AUG									
24...	0942	1.9	--	--	--	--	--	--	--
24...	0944	.6	--	--	--	--	--	--	--
24...	0946	.2	--	--	--	--	--	--	--
24...	0948	.1	--	--	--	--	--	--	--
24...	0950	.1	--	--	--	--	--	--	--
24...	0952	.0	--	--	--	--	--	--	--
24...	0955	.0	1.6	130	.00	36	90	9.2	1.7
24...	0956	.0	--	--	--	--	--	--	--
24...	0958	.0	--	--	--	--	--	--	--
24...	1000	.0	--	--	--	--	--	--	--

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC											
15...	0915	130	8.7	5.0	.05	.050	.31	.36	.41	1.8	.010
15...	0920	130	8.5	5.0	--	--	--	--	--	--	--
MAY											
25...	0910	122	9.0	5.1	<.10	.060	.25	.31	--	--	<.010
25...	0935	124	9.0	5.0	.30	.100	.43	.53	.83	3.7	<.010
AUG											
24...	0925	120	7.0	4.4	<.10	.030	.17	.20	--	--	.020
24...	0955	134	6.0	5.0	<.10	.190	--	<.10	--	--	.290

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
15...	0915	<.010	<10	1	10	3	60	10	<.1	3	70
15...	0920	--	<10	1	10	2	60	10	.1	3	40
MAY											
25...	0910	<.010	<10	1	10	4	70	10	<.1	9	60
25...	0935	<.010	<10	2	10	3	110	40	<.1	<1	70
AUG											
24...	0925	<.010	30	1	10	6	50	10	<.1	3	30
24...	0955	.270	40	3	10	4	370	290	<.1	7	30

362530092420002 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (MOUTH)
(LAT 36 25 30 LONG 092 42 00)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)
DEC								
15...	0935	80513	80513	.00	125	255	8.0	5.0
15...	0936	80513	--	10.0	125	255	8.0	--
15...	0938	80513	--	20.0	125	255	8.0	--
15...	0940	80513	80010	25.0	125	255	8.0	--
15...	0942	80513	--	30.0	125	255	8.0	--
15...	0943	80513	--	40.0	125	255	8.0	--
15...	0944	80513	--	50.0	125	255	8.0	--
15...	0945	80513	--	60.0	125	255	8.0	--
15...	0946	80513	--	70.0	125	255	8.0	--
15...	0947	80513	--	80.0	125	255	8.0	--
15...	0948	80513	--	90.0	125	255	8.0	--
15...	0950	80513	80010	100	125	255	8.0	--
15...	0952	80513	--	103	125	260	7.8	--
15...	0954	80513	--	105	125	270	7.6	--
15...	0956	80513	--	110	125	270	7.5	--
15...	0958	80513	--	120	125	270	7.4	--
15...	1000	80513	--	125	125	275	7.4	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

362530092420002 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (MOUTH)--CONTINUED

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)
MAY								
25...	0940	80513	80513	.00	140	245	8.7	20.0
25...	0942	80513	--	10.0	140	245	8.6	--
25...	0944	80513	--	17.0	140	245	8.5	--
25...	0946	80513	--	20.0	140	245	8.5	--
25...	0948	80513	--	24.0	140	245	8.5	--
25...	0950	80513	80010	28.0	140	245	8.4	--
25...	0952	80513	--	30.0	140	245	8.3	--
25...	0954	80513	--	31.0	140	245	8.2	--
25...	0956	80513	--	32.0	140	245	8.2	--
25...	0958	80513	--	35.0	140	245	8.1	--
25...	1000	80513	--	40.0	140	245	8.0	--
25...	1002	80513	--	45.0	140	245	7.9	--
25...	1004	80513	--	50.0	140	245	7.8	--
25...	1006	80513	--	60.0	140	245	7.7	--
25...	1008	80513	--	70.0	140	245	7.6	--
25...	1010	80513	--	80.0	140	245	7.6	--
25...	1012	80513	--	90.0	140	245	7.6	--
25...	1013	80513	--	100	140	245	7.5	--
25...	1014	80513	--	110	140	245	7.5	--
25...	1015	80513	80010	112	140	245	7.5	--
25...	1016	80513	--	120	140	245	7.5	--
25...	1018	80513	--	130	140	245	7.5	--

DATE	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
DEC							
15...	10.5	9.1	163	4.1	--	--	0
15...	10.5	9.1	--	--	--	--	--
15...	10.5	9.0	--	--	--	--	--
15...	10.5	9.0	--	--	.7	14	--
15...	10.5	9.0	--	--	--	--	--
15...	10.5	9.0	--	--	--	--	--
15...	10.5	9.0	--	--	--	--	--
15...	10.5	9.0	--	--	--	--	--
15...	10.5	9.0	--	--	--	--	--
15...	10.5	9.0	--	--	--	--	--
15...	10.5	9.0	--	--	--	--	--
15...	10.5	8.9	--	--	1.1	<10	--
15...	9.5	7.9	--	--	--	--	--
15...	8.5	.2	--	--	--	--	--
15...	8.5	.1	--	--	--	--	--
15...	8.0	.1	--	--	--	--	--
15...	8.0	.1	--	--	--	--	--
MAY							
25...	22.5	9.8	150	3.8	--	--	1
25...	22.0	9.7	--	--	--	--	--
25...	21.0	11.3	--	--	--	--	--
25...	20.0	11.4	--	--	--	--	--
25...	19.0	11.2	--	--	--	--	--
25...	18.0	10.6	--	--	1.0	24	--
25...	17.0	10.3	--	--	--	--	--
25...	16.0	10.0	--	--	--	--	--
25...	15.0	9.9	--	--	--	--	--
25...	14.0	9.5	--	--	--	--	--
25...	13.0	9.3	--	--	--	--	--
25...	12.0	8.9	--	--	--	--	--
25...	11.0	8.9	--	--	--	--	--
25...	10.0	7.9	--	--	--	--	--
25...	9.5	7.4	--	--	--	--	--
25...	9.0	7.3	--	--	--	--	--
25...	8.5	7.6	--	--	--	--	--
25...	7.5	7.6	--	--	--	--	--
25...	6.5	7.4	--	--	--	--	--
25...	6.5	7.2	--	--	1.0	40	--
25...	6.5	7.2	--	--	--	--	--
25...	6.0	7.3	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

362530092420002 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (MOUTH)--CONTINUED

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)
MAY								
25...	1020	80513	--	140	140	250	7.5	--
AUG								
24...	1000	80513	80513	.00	140	250	8.5	30.5
24...	1002	80513	--	10.0	140	250	8.4	--
24...	1004	80513	--	20.0	140	250	8.4	--
24...	1006	80513	--	25.0	140	255	8.2	--
24...	1008	80513	--	27.0	140	260	8.1	--
24...	1010	80513	80010	28.0	140	265	8.1	--
24...	1012	80513	--	29.0	140	265	8.0	--
24...	1014	80513	--	30.0	140	270	7.9	--
24...	1016	80513	--	33.0	140	275	7.8	--
24...	1018	80513	--	35.0	140	275	7.8	--
24...	1020	80513	--	37.0	140	275	7.7	--
24...	1022	80513	--	40.0	140	275	7.6	--
24...	1024	80513	--	42.0	140	275	7.5	--
24...	1026	80513	--	45.0	140	280	7.5	--
24...	1028	80513	--	48.0	140	280	7.4	--
24...	1030	80513	--	50.0	140	280	7.4	--
24...	1032	80513	--	60.0	140	270	7.4	--
24...	1034	80513	--	70.0	140	265	7.4	--
24...	1036	80513	--	80.0	140	265	7.4	--
24...	1038	80513	--	90.0	140	260	7.4	--
24...	1040	80513	--	100	140	260	7.3	--
24...	1042	80513	--	110	140	260	7.3	--
24...	1045	80513	80010	112	140	260	7.3	--
24...	1046	80513	--	120	140	265	7.2	--
24...	1048	80513	--	130	140	265	7.2	--
24...	1050	80513	--	140	140	265	7.2	--

DATE	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
MAY							
25...	6.0	7.4	--	--	--	--	--
AUG							
24...	28.5	8.0	194	4.9	--	--	K2800
24...	28.0	8.0	--	--	--	--	--
24...	28.0	8.0	--	--	--	--	--
24...	27.0	6.8	--	--	--	--	--
24...	26.0	6.9	--	--	--	--	--
24...	25.0	7.3	--	--	.5	33	--
24...	24.0	7.2	--	--	--	--	--
24...	23.0	7.0	--	--	--	--	--
24...	22.0	5.5	--	--	--	--	--
24...	21.0	6.6	--	--	--	--	--
24...	20.0	4.5	--	--	--	--	--
24...	19.0	3.2	--	--	--	--	--
24...	18.0	1.8	--	--	--	--	--
24...	17.0	1.0	--	--	--	--	--
24...	16.0	1.4	--	--	--	--	--
24...	15.0	1.5	--	--	--	--	--
24...	14.0	2.9	--	--	--	--	--
24...	13.0	3.2	--	--	--	--	--
24...	12.0	2.2	--	--	--	--	--
24...	11.0	2.8	--	--	--	--	--
24...	10.0	1.5	--	--	--	--	--
24...	9.5	1.3	--	--	--	--	--
24...	9.0	1.0	--	--	.4	20	--
24...	8.5	.3	--	--	--	--	--
24...	8.0	.1	--	--	--	--	--
24...	7.5	.0	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

07054290 BULL SHOALS LAKE AT HIGHWAY 160 NEAR THEODOSIA, MO (LAT 36 34 40 LONG 092 38 47)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
15...	1205	80513	80513	.00	15	--	--	5.0	--	--
15...	1210	80513	80010	3.00	15	280	8.3	--	8.5	<1
15...	1215	80513	80010	12.0	15	280	8.2	--	8.0	<1
MAY										
25...	1150	80513	80513	.00	25	--	--	22.0	--	--
25...	1155	80513	80010	5.00	25	330	8.4	--	24.5	10
25...	1200	80513	80010	20.0	25	375	8.0	--	23.0	<1
AUG										
24...	1215	80513	80513	.00	27	--	--	34.5	--	--
24...	1220	80513	80010	5.00	27	285	7.8	--	29.0	17
24...	1225	80513	80010	22.0	27	323	8.0	--	27.0	17

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
15...	--	60.0	--	0	--	--	--	--	--	--
15...	2.0	--	10.6	--	140	3.0	36	90	13	140
15...	4.4	--	10.4	--	150	.00	35	88	14	150
MAY										
25...	--	84.0	--	15	--	--	--	--	--	--
25...	1.1	--	9.2	--	180	7.0	40	100	19	171
25...	2.1	--	5.1	--	200	10	45	110	22	193
AUG										
24...	--	107	--	>170	--	--	--	--	--	--
24...	1.0	--	8.9	--	140	.00	31	78	15	146
24...	4.0	--	2.8	--	150	.00	32	80	16	158

362830092374400 BULL SHOALS LAKE ABOVE PINE BRANCH AT INDIAN POINT, AR
(LAT 36 28 30 LONG 092 37 44)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
15...	1135	80513	80513	.00	140	--	--	5.0	--	--
15...	1140	80513	80010	28.0	140	265	8.0	--	11.0	3
15...	1145	80513	80010	112	140	275	7.5	--	8.0	<1
MAY										
25...	1310	80513	80513	.00	150	--	--	21.0	--	--
25...	1315	80513	80010	30.0	150	250	8.3	--	15.5	<1
25...	1320	80513	80010	120	150	286	8.0	--	6.5	<1
AUG										
24...	1145	80513	80513	.00	150	--	--	32.5	--	--
24...	1150	80513	80010	30.0	150	275	8.1	--	21.0	16
24...	1155	80513	80010	120	150	270	7.7	--	9.0	10

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

362830092374400 BULL SHOALS LAKE ABOVE PINE BRANCH AT INDIAN POINT, AR--CONTINUED

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
15...	--	162	--	0	--	--	--	--	--	--
15...	.90	--	8.6	--	130	.00	34	85	11	130
15...	3.0	--	.1	--	130	.00	37	92	10	140
MAY										
25...	--	161	--	0	--	--	--	--	--	--
25...	<1.0	--	10.0	--	130	5.0	36	90	10	126
25...	<1.0	--	6.7	--	150	15	38	95	13	133
AUG										
24...	--	222	--	160	--	--	--	--	--	--
24...	1.4	--	7.7	--	120	.00	31	78	10	127
24...	<1.0	--	2.6	--	140	.00	36	90	11	138

362300092365800 BULL SHOALS LAKE AT JIMMIE CREEK NEAR BULL SHOALS, AR
(LAT 36 23 00 LONG 092 36 58)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
15...	1345	80513	80513	.00	120	--	--	5.0	--	--
15...	1350	80513	80010	24.0	120	250	8.1	--	10.5	2
15...	1355	80513	80010	96.0	120	250	8.1	--	10.5	<1
MAY										
25...	1340	80513	80513	.00	130	--	--	22.5	--	--
25...	1345	80513	80010	26.0	130	250	8.3	--	15.5	<1
25...	1350	80513	80010	104	130	278	8.0	--	7.0	<1
AUG										
24...	1400	80513	80513	.00	135	--	--	35.0	--	--
24...	1405	80513	80010	27.0	135	250	8.6	--	22.5	18
24...	1410	80513	80010	108	135	285	7.9	--	10.0	7

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
15...	--	162	--	0	--	--	--	--	--	--
15...	1.0	--	9.1	--	130	8.0	33	82	11	120
15...	2.0	--	8.8	--	120	.00	32	80	9.6	120
MAY										
25...	--	184	--	0	--	--	--	--	--	--
25...	<1.0	--	10.2	--	140	8.0	36	90	11	127
25...	<1.0	--	7.0	--	140	13	37	92	12	129
AUG										
24...	--	162	--	49	--	--	--	--	--	--
24...	1.2	--	11.7	--	110	.00	30	75	9.2	121
24...	1.6	--	2.8	--	130	.00	35	88	9.5	131

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

362332092321000 BULL SHOALS LAKE ON HOWARD CREEK NEAR LAKEVIEW, AR (LAT 36 23 32 LONG 092 32 10)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
15...	1410	80513	80513	.00	140	--	--	5.0	--	--
15...	1415	80513	80010	28.0	140	255	8.0	--	11.0	1
15...	1420	80513	80010	112	140	265	7.6	--	9.0	2
MAY										
25...	1405	80513	80513	.00	150	--	--	22.5	--	--
25...	1410	80513	80010	30.0	150	245	8.2	--	14.5	1
25...	1415	80513	80010	120	150	255	7.6	--	6.0	<1
AUG										
24...	1430	80513	80513	.00	150	--	--	34.0	--	--
24...	1435	80513	80010	30.0	150	250	8.3	--	24.5	17
24...	1440	80513	80010	120	150	287	7.7	--	9.5	13

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
15...	--	186	--	0	--	--	--	--	--	--
15...	1.0	--	8.9	--	120	4.0	30	75	12	120
15...	1.1	--	.2	--	140	6.0	38	95	10	130
MAY										
25...	--	132	--	0	--	--	--	--	--	--
25...	<1.0	--	10.3	--	140	14	38	95	11	126
25...	<1.0	--	7.7	--	140	8.0	37	92	11	130
AUG										
24...	--	162	--	700	--	--	--	--	--	--
24...	1.1	--	10.9	--	110	.00	29	72	9.1	123
24...	1.7	--	2.2	--	120	.00	35	88	9.1	132

07056700 BUFFALO RIVER NEAR HARRIET, AR
(LAT 36 04 03 LONG 092 34 38)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)
SEP											
16...	1100	80513	80010	223	8.1	25.0	7.6	93	7	26	110

DATE	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
SEP											
16...	7.0	40	3.6	2.9	5	.1	1.0	108	5.0	2.5	<.1

DATE	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
SEP										
16...	8.4	160	141	.22	<.010	<.010	<.10	<.10	.030	.050

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

07056700 BUFFALO RIVER NEAR HARRIET, AR--CONTINUED

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)
SEP 16...	.06	.77	.45	.80	.30	.50	.010	.03	.020	1

DATE	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
SEP 16...	<1	10	10	4	1	3	2	70	19	5

DATE	LEAD, DISSOLVED (UG/L AS PB) (01049)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	SILVER, DISSOLVED (UG/L AS AG) (01075)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, DISSOLVED (UG/L AS ZN) (01090)
SEP 16...	3	20	11	<.1	1	<1	<1	<1	20	9

07058500 NORTH FORK RIVER AT TECUMSEH, MO
(LAT 36 35 12 LONG 092 17 18)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
DEC 16...	1535	80513	80513	.00	4	--	--	10.0	--	--	--
16...	1540	80513	80010	2.00	4	380	8.2	--	8.5	<1	.60
MAY 26...	1450	80513	80513	.00	9	--	--	31.5	--	--	--
26...	1455	80513	80010	4.50	9	335	8.4	--	21.0	5	3.7
AUG 25...	1425	80513	80513	.00	6	--	--	31.0	--	--	--
25...	1430	80513	80010	3.00	6	365	8.1	--	23.5	9	7.1

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC 16...	1535	>48.0	--	--	12	--	--	--	--	--	--
16...	1540	--	12.8	.5	--	210	.00	41	100	25	1.0
MAY 26...	1450	25.2	--	--	K310	--	--	--	--	--	--
26...	1455	--	9.1	1.9	--	190	4.0	40	100	22	1.2
AUG 25...	1425	>72.0	--	--	52	--	--	--	--	--	--
25...	1430	--	9.4	1.1	--	200	.00	42	100	23	1.2

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

07058500 NORTH FORK RIVER AT TECUMSEH, MO--CONTINUED

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC											
16...	1540	220	5.0	2.7	.41	.020	.08	.10	.51	2.3	<.010
MAY											
26...	1455	186	5.0	2.4	.30	.100	.30	.40	.70	3.1	.040
AUG											
25...	1430	208	5.0	2.6	.33	.010	.29	.30	.63	2.8	<.010

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
16...	1540	<.010	30	1	20	5	30	10	<.1	3	130
MAY											
26...	1455	<.010	130	1	10	3	130	30	<.1	2	<10
AUG											
25...	1430	<.010	120	1	<10	6	100	20	<.1	2	30

07058600 NORFORK LAKE NEAR UDALL, MO (LAT 36 32 53 LONG 092 16 55)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
16...	1535	80513	80513	.00	4	--	--	10.0	--	--
16...	1540	80513	80010	2.00	4	440	8.1	--	8.5	<1
MAY										
26...	1355	80513	80513	.00	9	--	--	26.0	--	--
26...	1400	80513	80010	4.50	9	435	7.9	--	20.5	5
AUG										
25...	1345	80513	80513	.00	7	--	--	23.5	--	--
25...	1350	80513	80010	3.50	7	435	7.8	--	27.5	9

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
16...	--	>48.0	--	2	--	--	--	--	--	--
16...	.60	--	11.6	--	250	.00	49	120	30	260
MAY										
26...	--	27.6	--	2	--	--	--	--	--	--
26...	2.4	--	6.6	--	230	.00	47	120	27	246
AUG										
25...	--	57.6	--	1	--	--	--	--	--	--
25...	1.5	--	7.5	--	220	.00	43	108	28	237

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

362407092191500 NORFORK LAKE ON PIGEON CREEK NEAR MOUNTAIN HOME, AR
(LAT 36 24 07 LONG 092 19 15)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
DEC										
16...	1420	80513	80513	.00	50	--	--	11.0	--	--
16...	1425	80513	80010	10.0	50	310	8.2	--	9.5	<1
16...	1430	80513	80010	40.0	50	300	8.2	--	9.5	3
MAY										
26...	1215	80513	80513	.00	55	--	--	25.0	--	--
26...	1220	80513	80010	11.0	55	305	8.5	--	24.0	5
26...	1225	80513	80010	44.0	55	335	7.6	--	12.5	5
AUG										
25...	1215	80513	80513	.00	50	--	--	23.5	--	--
25...	1220	80513	80010	10.0	50	290	7.9	--	28.5	7
25...	1225	80513	80010	40.0	50	368	7.5	--	23.0	10

DATE	TUR-BID-ITY (FTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3) (95902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)
DEC										
16...	--	66.0	--	0	--	--	--	--	--	--
16...	1.8	--	10.3	--	170	.00	31	78	22	180
16...	3.0	--	9.6	--	170	.00	32	80	23	180
MAY										
26...	--	137	--	32	--	--	--	--	--	--
26...	1.5	--	9.7	--	160	.00	32	80	20	166
26...	2.2	--	3.3	--	170	.00	35	88	21	175
AUG										
25...	--	124	--	0	--	--	--	--	--	--
25...	1.4	--	7.8	--	160	.00	29	72	21	160
25...	1.6	--	.1	--	180	.00	36	90	21	190

362230092143700 NORFORK LAKE AT HENDERSON, AR (LAT 36 22 30 LONG 092 14 37)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (FTU) (00076)
DEC											
16...	1315	80513	80513	.00	110	--	--	7.0	--	--	--
16...	1320	80513	80010	22.0	110	305	8.1	--	11.0	<1	2.6
16...	1325	80513	80010	88.0	110	305	8.0	--	10.0	4	2.5
MAY											
26...	1115	80513	80513	.00	115	--	--	24.0	--	--	--
26...	1120	80513	80010	23.0	115	315	8.3	--	20.0	<1	1.0
26...	1125	80513	80010	92.0	115	305	7.7	--	9.0	5	1.1
AUG											
25...	1115	80513	80513	.00	115	--	--	21.5	--	--	--
25...	1120	80513	80010	23.0	115	290	8.3	--	28.0	8	1.1
25...	1125	80513	80010	92.0	115	320	7.6	--	10.5	9	3.1

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

362230092143700 NORFORK LAKE AT HENDERSON, AR--CONTINUED

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC											
16...	1315	108	--	--	1	--	--	--	--	--	--
16...	1320	--	9.4	.6	--	180	.00	33	82	23	1.0
16...	1325	--	9.3	.5	--	170	.00	30	75	22	1.2
MAY											
26...	1115	116	--	--	0	--	--	--	--	--	--
26...	1120	--	9.0	1.2	--	160	.00	33	82	20	1.2
26...	1125	--	5.3	1.1	--	180	8.0	36	90	22	1.3
AUG											
25...	1115	223	--	--	1	--	--	--	--	--	--
25...	1120	--	7.3	.6	--	160	2.0	30	75	20	1.3
25...	1125	--	.2	.8	--	180	1.0	38	95	21	1.4

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC											
16...	1320	180	5.7	2.7	.08	.040	.18	.22	.30	1.3	.010
16...	1325	180	5.5	2.6	.08	.050	.25	.30	.38	1.7	.010
MAY											
26...	1120	177	5.0	2.6	.30	.080	.12	.20	.50	2.2	<.010
26...	1125	172	5.0	2.4	.40	.110	.09	.20	.60	2.7	.010
AUG											
25...	1120	155	5.0	2.7	<.10	<.010	--	<.10	--	--	<.010
25...	1125	180	5.0	2.7	.20	.160	--	<.10	--	--	.020

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
16...	1320	<.010	10	1	10	5	60	30	<.1	2	80
16...	1325	<.010	20	1	10	6	140	30	<.1	3	70
MAY											
26...	1120	<.010	<10	1	10	2	20	<10	<.1	1	10
26...	1125	<.010	40	1	10	2	30	90	<.1	4	20
AUG											
25...	1120	<.010	330	1	<10	6	<10	<10	<.1	3	50
25...	1125	<.010	60	3	<10	4	270	630	<.1	2	30

362007092170400 NORFORK LAKE ON FALL CREEK, AR (LAT 36 20 07 LONG 092 17 04)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
16...	1350	80513	80513	.00	9	--	--	11.5	--	--
16...	1355	80513	80010	4.50	9	305	8.1	--	9.5	<1
MAY										
26...	1140	80513	80513	.00	15	--	--	24.0	--	--
26...	1145	80513	80010	3.00	15	300	8.5	--	24.0	<1
26...	1150	80513	80010	12.0	15	300	8.4	--	23.5	5
AUG										
25...	1140	80513	80513	.00	15	--	--	24.0	--	--
25...	1145	80513	80010	3.00	15	295	8.3	--	28.5	6
25...	1150	80513	80010	12.0	15	295	7.8	--	28.5	14

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

362007092170400 NORFORK LAKE ON FALL CREEK, AR--CONTINUED

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
16...	--	102	--	0	--	--	--	--	--	--
16...	.90	--	10.0	--	170	.00	31	78	22	180
MAY										
26...	--	84.0	--	13	--	--	--	--	--	--
26...	1.3	--	9.2	--	160	.00	30	75	20	166
26...	1.5	--	9.0	--	160	.00	31	78	21	167
AUG										
25...	--	61.2	--	0	--	--	--	--	--	--
25...	2.4	--	7.0	--	160	2.0	30	75	21	159
25...	1.1	--	7.0	--	150	.00	28	70	20	159

361627092123000 NORFORK LAKE NEAR HAND, AR (LAT 36 16 27 LONG 092 12 30)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
16...	0930	80513	80513	.00	135	--	--	7.0	--	--
16...	0935	80513	80010	27.0	135	305	7.9	--	11.0	<1
16...	0940	80513	80010	108	135	305	7.9	--	11.0	<1
MAY										
26...	0930	80513	80513	.00	140	--	--	22.0	--	--
26...	0935	80513	80010	28.0	140	300	8.3	--	17.0	<1
26...	0940	80513	80010	112	140	305	7.9	--	8.0	<1
AUG										
25...	0915	80513	80513	.00	140	--	--	22.5	--	--
25...	0920	80513	80010	28.0	140	280	8.4	--	28.0	13
25...	0925	80513	80010	112	140	300	7.7	--	9.5	10

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
16...	--	132	--	2	--	--	--	--	--	--
16...	1.0	--	9.0	--	170	1.0	32	80	22	170
16...	1.1	--	8.9	--	160	.00	29	72	22	170
MAY										
26...	--	234	--	44	--	--	--	--	--	--
26...	<1.0	--	10.1	--	160	.00	30	75	21	168
26...	<1.0	--	7.4	--	160	.00	31	78	21	173
AUG										
25...	--	222	--	1	--	--	--	--	--	--
25...	1.0	--	7.9	--	150	.00	27	68	19	155
25...	1.9	--	1.9	--	170	.00	34	85	21	174

07061600 BLACK RIVER BELOW ANNAPOLIS, MO (LAT 37 19 30 LONG 090 45 50)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
DEC											
17...	1555	80513	80513	.00	2	--	--	-7.0	--	--	--
17...	1600	80513	80010	1.00	2	265	8.3	--	6.5	<1	.50
MAY											
27...	1455	80513	80513	.00	4	--	--	27.5	--	--	--
27...	1500	80513	80010	2.00	4	240	7.9	--	22.0	<1	1.0
AUG											
26...	0915	80513	80513	.00	6	--	--	21.5	--	--	--
26...	0920	80513	80010	3.00	6	200	7.8	--	20.0	10	3.9

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

07061600 BLACK RIVER BELOW ANNAPOLIS, MO--CONTINUED

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC											
17...	1555	>24.0	--	--	1	--	--	--	--	--	--
17...	1600	--	12.0	.4	--	120	.00	24	60	14	.7
MAY											
27...	1455	>48.0	--	--	3	--	--	--	--	--	--
27...	1500	--	8.4	.4	--	140	19	30	75	15	1.0
AUG											
26...	0915	>72.0	--	--	K260	--	--	--	--	--	--
26...	0920	--	8.2	1.9	--	89	5.0	19	48	10	1.3

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC											
17...	1600	120	17	3.6	.23	.040	--	<.10	--	--	<.010
MAY											
27...	1500	118	12	2.6	.10	.060	--	<.10	--	--	<.010
AUG											
26...	0920	84	14	2.2	.16	.040	.26	.30	.46	2.0	.010

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
17...	1600	<.010	30	1	10	5	40	10	<.1	<1	50
MAY											
27...	1500	<.010	20	1	10	5	60	<10	<.1	68	10
AUG											
26...	0920	<.010	170	1	10	30	230	30	<.1	1	<10

07061700 CLEARWATER LAKE ABOVE FINLEY BRANCH, MO
(LAT 37 12 30 LONG 090 46 43)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
DEC											
17...	1425	80513	80513	.00	2	--	--	-3.0	--	--	--
17...	1430	80513	80010	1.00	2	240	8.2	--	6.5	2	.50
MAY											
27...	1605	80513	80513	.00	6	--	--	28.5	--	--	--
27...	1610	80513	80010	3.00	6	240	8.1	--	24.0	1	<1.0
AUG											
26...	1025	80513	80513	.00	12	--	--	21.5	--	--	--
26...	1030	80513	80010	6.00	12	198	7.7	--	21.0	18	6.1

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

07061700 CLEARWATER LAKE ABOVE FINLEY BRANCH, MO--CONTINUED

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC											
17...	1425	>24.0	--	--	0	--	--	--	--	--	--
17...	1430	--	11.4	.3	--	120	.00	23	58	14	.6
MAY											
27...	1605	>72.0	--	--	6	--	--	--	--	--	--
27...	1610	--	8.9	.4	--	130	16	28	70	15	.9
AUG											
26...	1025	62.4	--	--	K350	--	--	--	--	--	--
26...	1030	--	7.2	1.9	--	87	3.0	20	50	9.1	1.4

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC											
17...	1430	120	16	3.3	.26	.040	.40	.44	.70	3.1	.010
MAY											
27...	1610	116	12	2.4	<.10	.080	.12	.20	--	--	<.010
AUG											
26...	1030	84	13	2.1	.19	.060	.24	.30	.49	2.2	.020

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
17...	1430	<.010	40	1	20	5	100	10	<.1	<1	50
MAY											
27...	1610	<.010	30	1	10	2	100	20	<.1	1	20
AUG											
26...	1030	<.010	200	1	10	2	220	30	<.1	1	30

07061950 CLEARWATER LAKE AT CARTER HOLLOW, MO
(LAT 37 09 58 LONG 090 48 43)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
17...	1345	80513	80513	.00	1	--	--	-2.0	--	--
17...	1350	80513	80010	.50	1	265	8.6	--	6.5	<1
MAY										
27...	1345	80513	80513	.00	6	--	--	30.5	--	--
27...	1350	80513	80010	3.00	6	220	8.0	--	27.0	1
AUG										
26...	0955	80513	80513	.00	12	--	--	21.5	--	--
26...	1000	80513	80010	6.00	12	225	8.3	--	26.0	7

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

07061950 CLEARWATER LAKE AT CARTER HOLLOW, MO--CONTINUED

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
17...	--	>24.0	--	0	--	--	--	--	--	--
17...	1.1	--	--	--	120	.00	24	60	15	140
MAY										
27...	--	18.0	--	5	--	--	--	--	--	--
27...	7.0	--	9.0	--	120	12	26	65	13	106
AUG										
26...	--	57.6	--	3	--	--	--	--	--	--
26...	2.0	--	7.0	--	110	.00	24	60	13	114

07061980 CLEARWATER LAKE NEAR CARTER SPRING ON WEBB CREEK, MO
(LAT 37 08 34 LONG 090 49 08)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
17...	1325	80513	80513	.00	2	--	--	-1.0	--	--
17...	1330	80513	80010	1.00	2	295	8.2	--	5.5	1
MAY										
27...	1315	80513	80513	.00	7	--	--	28.0	--	--
27...	1320	80513	80010	3.50	7	220	7.9	--	25.5	<1
AUG										
26...	0945	80513	80513	.00	10	--	--	21.5	--	--
26...	0950	80513	80010	5.00	10	230	7.5	--	26.0	8

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
17...	--	>24.0	--	0	--	--	--	--	--	--
17...	1.8	--	12.2	--	150	.00	29	72	18	160
MAY										
27...	--	9.6	--	10	--	--	--	--	--	--
27...	7.6	--	8.2	--	120	12	27	68	13	109
AUG										
26...	--	39.6	--	11	--	--	--	--	--	--
26...	1.4	--	5.2	--	110	.00	24	60	13	114

353715092111600 GREERS FERRY LAKE AT BRUSH CREEK, AR
(LAT 35 37 15 LONG 092 11 16)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
DEC											
14...	1335	80513	80513	.00	50	--	--	10.5	--	--	--
14...	1340	80513	80010	10.0	50	54	7.3	--	10.5	5	3.4
14...	1345	80513	80010	40.0	50	63	7.2	--	9.0	5	9.6
MAY											
24...	1400	80513	80513	.00	58	--	--	29.0	--	--	--
24...	1405	80513	80010	12.0	58	60	7.3	--	24.5	<1	1.1
24...	1410	80513	80010	46.0	58	65	6.7	--	12.0	10	5.5
AUG											
23...	1415	80513	80513	.00	55	--	--	34.5	--	--	--
23...	1420	80513	80010	11.0	55	56	7.7	--	28.5	9	1.5
23...	1425	80513	80010	44.0	55	68	7.1	--	16.0	18	18

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

353715092111600 GREERS FERRY LAKE AT BRUSH CREEK, AR--CONTINUED

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC											
14...	1335	54.0	--	--	0	--	--	--	--	--	--
14...	1340	--	10.5	1.1	--	18	.00	5.8	14	.8	.5
14...	1345	--	9.7	1.2	--	24	4.0	7.9	20	1.1	.6
MAY											
24...	1400	138	--	--	0	--	--	--	--	--	--
24...	1405	--	8.0	1.2	--	23	.00	6.8	17	1.4	.6
24...	1410	--	.1	1.0	--	27	3.0	8.3	20	1.4	.8
AUG											
23...	1415	90.0	--	--	4	--	--	--	--	--	--
23...	1420	--	7.4	1.3	--	19	.00	5.7	14	1.2	.9
23...	1425	--	.1	.8	--	25	.00	7.9	20	1.3	1.1

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC											
14...	1340	18	3.9	1.5	.08	.030	.47	.50	.58	2.6	.010
14...	1345	20	5.2	1.9	.09	.100	.46	.56	.65	2.9	.020
MAY											
24...	1405	24	5.0	1.6	<.10	.150	.15	.30	--	--	<.010
24...	1410	24	4.0	1.8	.20	.050	.23	.28	.48	2.1	.020
AUG											
23...	1420	24	3.0	1.5	<.10	<.010	--	<.10	--	--	.020
23...	1425	29	3.0	1.2	<.10	.160	.34	.50	--	--	.070

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
14...	1340	<.010	110	1	10	6	160	30	<.1	3	40
14...	1345	<.010	310	1	10	3	630	70	.1	4	40
MAY											
24...	1405	<.010	50	1	10	6	100	<10	<.1	4	10
24...	1410	<.010	220	2	10	3	850	730	<.1	3	70
AUG											
23...	1420	<.010	40	1	10	4	80	20	<.1	1	100
23...	1425	.030	--	5	20	5	2300	760	<.1	6	100

353624092301400 GREERS FERRY LAKE ABOVE HILL CREEK, AR
(LAT 35 36 24 LONG 092 30 14)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
14...	1415	80513	80513	.00	70	--	--	9.0	--	--
14...	1420	80513	80010	14.0	70	52	7.1	--	10.5	3
14...	1425	80513	80010	56.0	70	52	7.1	--	10.5	5
MAY										
24...	1435	80513	80513	.00	76	--	--	27.0	--	--
24...	1440	80513	80010	15.0	76	49	7.3	--	21.0	<1
24...	1445	80513	80010	61.0	76	49	6.9	--	10.0	5
AUG										
23...	1350	80513	80513	.00	70	--	--	33.5	--	--
23...	1355	80513	80010	14.0	70	48	7.0	--	28.0	9
23...	1400	80513	80010	56.0	70	60	6.5	--	12.0	30

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

353624092301400 GREERS FERRY LAKE ABOVE HILL CREEK, AR--CONTINUED

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
14...	--	78.0	--	0	--	--	--	--	--	--
14...	2.2	--	9.1	--	21	6.0	6.3	16	1.3	15
14...	4.0	--	8.8	--	17	.00	5.5	14	.8	17
MAY										
24...	--	96.0	--	0	--	--	--	--	--	--
24...	1.1	--	9.8	--	17	.00	5.1	13	1.1	20
24...	7.5	--	3.5	--	18	1.0	5.4	14	1.2	17
AUG										
23...	--	106	--	97	--	--	--	--	--	--
23...	1.0	--	7.3	--	18	.00	5.4	14	1.2	19
23...	15	--	.1	--	21	.00	6.7	17	1.1	25

353506092253200 GREERS FERRY LAKE NEAR CLINTON, AR
(LAT 35 35 06 LONG 092 25 32)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
DEC											
11...	0915	80513	80513	.00	2	--	--	1.5	--	--	--
11...	0920	80513	80010	1.00	2	37	8.3	--	6.0	8	3.5
MAY											
21...	0955	80513	80513	.00	6	--	--	26.5	--	--	--
21...	1000	80513	80010	3.00	6	42	7.1	--	26.0	<1	3.5
AUG											
20...	0945	80513	80513	.00	6	--	--	31.0	--	--	--
20...	0950	80513	80010	3.00	6	34	7.1	--	26.5	10	6.0

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
11...	>24.0	--	--	K320	--	--	--	--	--	--
11...	--	11.9	1.3	--	9	.00	2.7	7.0	.6	13
MAY										
21...	39.6	--	--	17	--	--	--	--	--	--
21...	--	7.6	2.3	--	15	2.0	3.8	10	1.3	13
AUG										
20...	38.4	--	--	49	--	--	--	--	--	--
20...	--	7.6	1.4	--	7	.00	2.5	6.0	.3	11

353127092250400 GREERS FERRY LAKE NEAR CHOCTAW, AR
(LAT 35 31 27 LONG 092 25 04)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
11...	1035	80513	80513	.00	2	--	--	2.0	--	--
11...	1040	80513	80010	1.00	2	36	8.2	--	5.0	10
MAY										
21...	1035	80513	80513	.00	4	--	--	26.0	--	--
21...	1040	80513	80010	2.00	4	33	7.0	--	27.5	5
AUG										
20...	1015	80513	80513	.00	3	--	--	31.5	--	--
20...	1020	80513	80010	1.50	3	40	7.1	--	29.0	7

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

WHITE RIVER BASIN--CONTINUED

353127092250400 GREERS FERRY LAKE NEAR CHOCTAW, AR--CONTINUED

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
11...	--	>24.0	--	4	--	--	--	--	--	--
11...	6.0	--	11.8	--	8	.00	1.6	4.0	.9	9.0
MAY										
21...	--	25.2	--	K46	--	--	--	--	--	--
21...	19	--	7.3	--	10	.00	2.2	6.0	1.1	12
AUG										
20...	--	22.8	--	1	--	--	--	--	--	--
20...	5.5	--	7.0	--	10	.00	3.4	8.0	.4	13

353012092053200 GREERS FERRY LAKE NEAR EDEN ISLE, AR
(LAT 35 30 12 LONG 092 05 32)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
14...	1215	80513	80513	.00	55	--	--	7.5	--	--
14...	1220	80513	80010	11.0	55	44	7.1	--	10.5	<1
14...	1225	80513	80010	44.0	55	44	7.0	--	10.0	<1
MAY										
24...	1225	80513	80513	.00	60	--	--	25.0	--	--
24...	1230	80513	80010	12.0	60	46	8.3	--	23.5	3
24...	1235	80513	80010	48.0	60	48	7.5	--	11.5	5
AUG										
23...	1215	80513	80513	.00	65	--	--	33.5	--	--
23...	1220	80513	80010	13.0	65	45	7.3	--	28.0	8
23...	1225	80513	80010	52.0	65	47	6.5	--	14.0	9

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
14...	--	138	--	0	--	--	--	--	--	--
14...	1.1	--	9.8	--	13	1.0	4.2	10	.6	12
14...	1.3	--	10.0	--	13	.00	4.1	10	.6	16
MAY										
24...	--	114	--	4	--	--	--	--	--	--
24...	1.1	--	8.8	--	17	.00	4.8	12	1.2	18
24...	1.2	--	7.8	--	17	.00	5.0	12	1.2	18
AUG										
23...	--	114	--	6	--	--	--	--	--	--
23...	1.1	--	7.1	--	15	.00	4.2	10	1.2	16
23...	1.3	--	5.5	--	15	.00	4.5	11	1.0	16

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

ARKANSAS RIVER BASIN

350737093483500 BLUE MOUNTAIN LAKE AT THE NARROWS, AR (LAT 35 07 37 LONG 093 48 35)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
DEC											
08...	0915	80513	80513	.00	6	--	--	5.5	--	--	--
08...	0920	80513	80010	3.00	6	77	7.1	--	9.0	35	22
MAY											
18...	0925	80513	80513	.00	6	--	--	19.5	--	--	--
18...	0930	80513	80010	3.00	6	80	6.1	--	19.0	43	28
AUG											
17...	0855	80513	80513	.00	5	--	--	27.5	--	--	--
17...	0900	80513	80010	2.50	5	70	6.8	--	28.0	50	26

DATE	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
08...	10.0	--	--	210	--	--	--	--	--	--
08...	--	10.6	1.8	--	19	1.0	2.7	7.0	2.9	18
MAY										
18...	22.8	--	--	K200	--	--	--	--	--	--
18...	--	6.6	.8	--	19	2.0	3.5	9.0	2.5	17
AUG										
17...	9.6	--	--	47	--	--	--	--	--	--
17...	--	1.9	3.1	--	1	.00	.4	1.0	.1	22

350441093490500 BLUE MOUNTAIN LAKE AT SUGAR GROVE, AR
(LAT 35 04 41 LONG 093 49 05)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
08...	1000	80513	80513	.00	2	--	--	13.0	--	--
08...	1005	80513	80010	1.00	2	43	7.1	--	9.5	40
MAY										
18...	0755	80513	80513	.00	2	--	--	19.0	--	--
18...	0800	80513	80010	1.00	2	38	6.8	--	20.5	35
AUG										
17...	0805	80513	80513	.00	2	--	--	27.0	--	--
17...	0810	80513	80010	1.00	2	64	7.0	--	27.5	20

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
08...	--	>24.0	--	78	--	--	--	--	--	--
08...	18	--	10.4	--	10	.00	1.7	4.0	1.3	12
MAY										
18...	--	30.0	--	72	--	--	--	--	--	--
18...	18	--	7.2	--	10	1.0	1.6	4.0	1.5	9.0
AUG										
17...	--	>24.0	--	60	--	--	--	--	--	--
17...	4.3	--	5.6	--	1	.00	.4	1.0	.1	22

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

ARKANSAS RIVER BASIN--CONTINUED

350550093480800 BLUE MOUNTAIN LAKE NEAR SUGAR GROVE, AR (LAT 35 05 50 LONG 093 48 08)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
DEC											
08...	0935	80513	80513	.00	12	--	--	7.5	--	--	--
08...	0940	80513	80010	2.50	12	71	7.0	--	9.0	70	22
08...	0945	80513	80010	9.50	12	78	7.0	--	9.0	40	25
MAY											
18...	0850	80513	80513	.00	16	--	--	19.5	--	--	--
18...	0855	80513	80010	3.00	16	77	6.0	--	19.5	75	32
18...	0900	80513	80010	13.0	16	48	5.8	--	19.0	55	24
AUG											
17...	0825	80513	80513	.00	9	--	--	27.5	--	--	--
17...	0830	80513	80010	4.50	9	93	7.1	--	29.5	15	6.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC											
08...	0935	22.0	--	--	240	--	--	--	--	--	--
08...	0940	--	10.6	1.5	--	17	3.0	3.1	8.0	2.2	3.4
08...	0945	--	10.5	1.6	--	19	1.0	3.3	8.0	2.6	1.5
MAY											
18...	0850	16.8	--	--	147	--	--	--	--	--	--
18...	0855	--	6.0	1.1	--	19	3.0	3.5	9.0	2.4	1.7
18...	0900	--	6.1	1.0	--	14	2.0	2.6	6.0	1.7	1.5
AUG											
17...	0825	28.8	--	--	11	--	--	--	--	--	--
17...	0830	--	8.0	2.4	--	110	79	30	75	7.8	2.5

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC											
08...	0940	14	9.7	4.7	.23	.120	.05	.17	.40	1.8	.040
08...	0945	18	11	4.9	.24	.100	.10	.20	.44	1.9	.050
MAY											
18...	0855	16	12	4.1	.16	.120	.43	.55	.71	3.1	.080
18...	0900	12	6.0	3.2	<.10	.070	.62	.69	--	--	.060
AUG											
17...	0830	28	7.0	4.5	<.10	.010	.59	.60	--	--	.060

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
08...	0940	<.010	260	1	<0	5	1400	100	<.1	2	40
08...	0945	<.010	320	1	10	6	1400	100	.1	2	40
MAY											
18...	0855	.030	--	1	20	4	1900	120	<.1	6	110
18...	0900	.020	--	1	20	10	1700	80	<.1	12	60
AUG											
17...	0830	.020	220	1	10	6	730	90	<.1	4	20

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

ARKANSAS RIVER BASIN--CONTINUED

350614093422600 BLUE MOUNTAIN LAKE AT ASHLEY CREEK NEAR WAVELAND, AR
(LAT 35 06 14 LONG 093 42 26)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
07...	1520	80513	80513	.00	2	--	--	22.5	--	--
07...	1525	80513	80010	1.00	2	116	6.8	--	12.5	32
MAY										
17...	1635	80513	80513	.00	7	--	--	29.0	--	--
17...	1640	80513	80010	3.50	7	78	7.0	--	26.5	60
AUG										
16...	1535	80513	80513	.00	4	--	--	36.5	--	--
16...	1540	80513	80010	2.00	4	85	8.1	--	33.5	20

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
07...	--	16.0	--	K12	--	--	--	--	--	--
07...	11	--	10.7	--	31	13	3.7	9.0	5.3	18
MAY										
17...	--	12.0	--	110	--	--	--	--	--	--
17...	20	--	8.1	--	18	6.0	3.4	8.0	2.2	12
AUG										
16...	--	6.0	--	6	--	--	--	--	--	--
16...	13	--	8.0	--	18	.00	3.2	8.0	2.5	24

345536093243600 NIMROD LAKE AT HIGHWAY 27 BRIDGE, AR
(LAT 34 55 36 LONG 093 24 36)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
DEC											
07...	1325	80513	80513	.00	4	--	--	24.0	--	--	--
07...	1330	80513	80010	2.00	4	44	7.0	--	9.5	48	16
MAY											
17...	1415	80513	80513	.00	8	--	--	30.0	--	--	--
17...	1420	80513	80010	4.00	8	31	6.0	--	21.0	65	28
AUG											
16...	1245	80513	80513	.00	4	--	--	33.5	--	--	--
16...	1250	80513	80010	2.00	4	40	6.6	--	29.0	44	18

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC											
07...	1325	22.0	--	--	K27	--	--	--	--	--	--
07...	1330	--	11.3	1.6	--	9	.00	1.5	4.0	1.2	1.3
MAY											
17...	1415	12.0	--	--	185	--	--	--	--	--	--
17...	1420	--	7.5	1.2	--	8	.00	1.2	3.0	1.3	1.1
AUG											
16...	1245	6.0	--	--	23	--	--	--	--	--	--
16...	1250	--	6.7	1.0	--	1	.00	.4	1.0	.1	1.3

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

ARKANSAS RIVER BASIN--CONTINUED

345536093243600 NIMROD LAKE AT HIGHWAY 27 BRIDGE, AR--CONTINUED

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC 07...	1330	15	3.8	3.3	.07	.040	.13	.17	.24	1.1	.020
MAY 17...	1420	8.0	5.0	1.9	.11	.050	.40	.45	.56	2.5	.050
AUG 16...	1250	14	5.0	2.1	<.10	.020	.18	.20	--	--	.040

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC 07...	1330	<.010	190	1	0	5	760	10	<.1	1	40
MAY 17...	1420	.010	640	1	20	4	1300	50	<.1	6	60
AUG 16...	1250	.010	470	1	10	5	1300	70	<.1	4	80

345903093183600 NIMROD LAKE AT PLAINVIEW, AR
(LAT 34 59 03 LONG 093 18 36)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC 07...	1425	80513	80513	.00	2	--	--	22.5	--	--
07...	1430	80513	80010	1.00	2	78	6.6	--	9.5	45
MAY 17...	1210	80513	80513	.00	1	--	--	30.5	--	--
17...	1215	80513	80010	.50	1	80	6.5	--	25.0	3

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC 07...	--	18.0	--	120	--	--	--	--	--	--
07...	15	--	9.7	--	15	1.0	2.5	6.0	2.1	14
MAY 17...	--	>12.0	--	170	--	--	--	--	--	--
17...	10	--	7.2	--	24	.00	4.7	12	2.9	24

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

ARKANSAS RIVER BASIN--CONTINUED

345703093192400 NIMROD LAKE NEAR WARDS CROSSING, AR (LAT 34 57 03 LONG 093 19 24)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)
DEC											
07...	1405	80513	80513	.00	10	--	--	23.0	--	--	--
07...	1410	80513	80010	2.00	10	49	7.0	--	10.5	20	15
07...	1415	80513	80010	8.00	10	48	7.0	--	9.5	18	7.6
MAY											
17...	1330	80513	80513	.00	16	--	--	30.5	--	--	--
17...	1335	80513	80010	3.00	16	46	6.1	--	23.0	20	14
17...	1340	80513	80010	13.0	16	34	5.8	--	20.0	75	39
AUG											
16...	1220	80513	80513	.00	12	--	--	34.0	--	--	--
16...	1225	80513	80010	2.50	12	44	6.6	--	29.5	17	14
16...	1230	80513	80010	9.50	12	53	6.1	--	27.5	30	47

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)
DEC											
07...	1405	23.0	--	--	K3	--	--	--	--	--	--
07...	1410	--	10.7	2.6	--	10	.00	1.8	4.0	1.3	1.8
07...	1415	--	10.6	2.8	--	9	.00	1.6	4.0	1.3	1.8
MAY											
17...	1330	25.2	--	--	37	--	--	--	--	--	--
17...	1335	--	3.8	2.0	--	12	.00	1.9	5.0	1.7	1.4
17...	1340	--	4.0	2.4	--	9	1.0	1.4	4.0	1.3	1.4
AUG											
16...	1220	15.6	--	--	1	--	--	--	--	--	--
16...	1225	--	5.8	2.2	--	8	.00	1.4	4.0	1.0	1.7
16...	1230	--	.2	2.2	--	5	.00	1.3	3.0	.5	1.8

DATE	TIME	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
DEC											
07...	1410	12	4.4	3.8	.08	.070	.31	.38	.46	2.0	.040
07...	1415	12	4.6	4.2	.06	.040	.29	.33	.39	1.7	.050
MAY											
17...	1335	15	4.0	2.9	<.10	.050	.40	.45	--	--	.060
17...	1340	8.0	4.0	2.2	<.10	.140	.42	.56	--	--	.090
AUG											
16...	1225	15	4.0	3.1	.10	.030	.67	.70	.80	3.5	.060
16...	1230	15	3.0	3.4	<.10	.080	.52	.60	--	--	.150

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
DEC											
07...	1410	<.010	140	1	<0	6	870	80	<.1	3	50
07...	1415	<.010	160	1	0	6	780	80	<.1	2	40
MAY											
17...	1335	.010	230	2	20	4	1100	200	<.1	9	100
17...	1340	.020	--	1	20	4	2000	250	<.1	9	120
AUG											
16...	1225	.020	240	1	10	6	730	130	.1	4	10
16...	1230	.040	2200	2	10	6	5300	860	<.1	6	30

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

ARKANSAS RIVER BASIN--CONTINUED

345654093171200 NIMROD LAKE AT PRAIRIE CREEK, AR (LAT 34 56 54 LONG 093 17 12)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
07...	1235	80513	80513	.00	4	--	--	17.0	--	--
07...	1240	80513	80010	2.00	4	42	6.7	--	10.5	30
MAY										
17...	1215	80513	80513	.00	9	--	--	30.5	--	--
17...	1220	80513	80010	4.50	9	40	5.9	--	24.5	15
AUG										
16...	1155	80513	80513	.00	4	--	--	34.0	--	--
16...	1200	80513	80010	2.00	4	44	6.6	--	31.5	15

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
07...	--	13.0	--	11	--	--	--	--	--	--
07...	22	--	10.3	--	8	.00	1.3	3.0	1.1	9.0
MAY										
17...	--	20.4	--	12	--	--	--	--	--	--
17...	12	--	6.5	--	12	1.0	2.0	5.0	1.6	11
AUG										
16...	--	12.0	--	K4	--	--	--	--	--	--
16...	6.7	--	6.3	--	4	.00	.6	2.0	.5	14

345722093145600 NIMROD LAKE NEAR CARTER COVE, AR
(LAT 34 57 22 LONG 093 14 56)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
DEC										
07...	1100	80513	80513	.00	1	--	--	15.5	--	--
07...	1105	80513	80010	.50	1	39	6.8	--	9.5	16
MAY										
17...	1100	80513	80513	.00	6	--	--	29.5	--	--
17...	1105	80513	80010	3.00	6	40	6.7	--	24.5	17
AUG										
16...	1100	80513	80513	.00	4	--	--	31.5	--	--
16...	1105	80513	80010	2.00	4	43	6.2	--	28.0	17

DATE	TURBIDITY (FTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DISSOLVED (MG/L) (00300)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)
DEC										
07...	--	>12.0	--	14	--	--	--	--	--	--
07...	14	--	10.8	--	6	.00	1.2	3.0	.8	8.0
MAY										
17...	--	30.0	--	8	--	--	--	--	--	--
17...	11	--	6.4	--	12	.00	2.1	5.0	1.6	12
AUG										
16...	--	12.0	--	8	--	--	--	--	--	--
16...	7.5	--	3.7	8	1	.00	.2	.5	.1	15

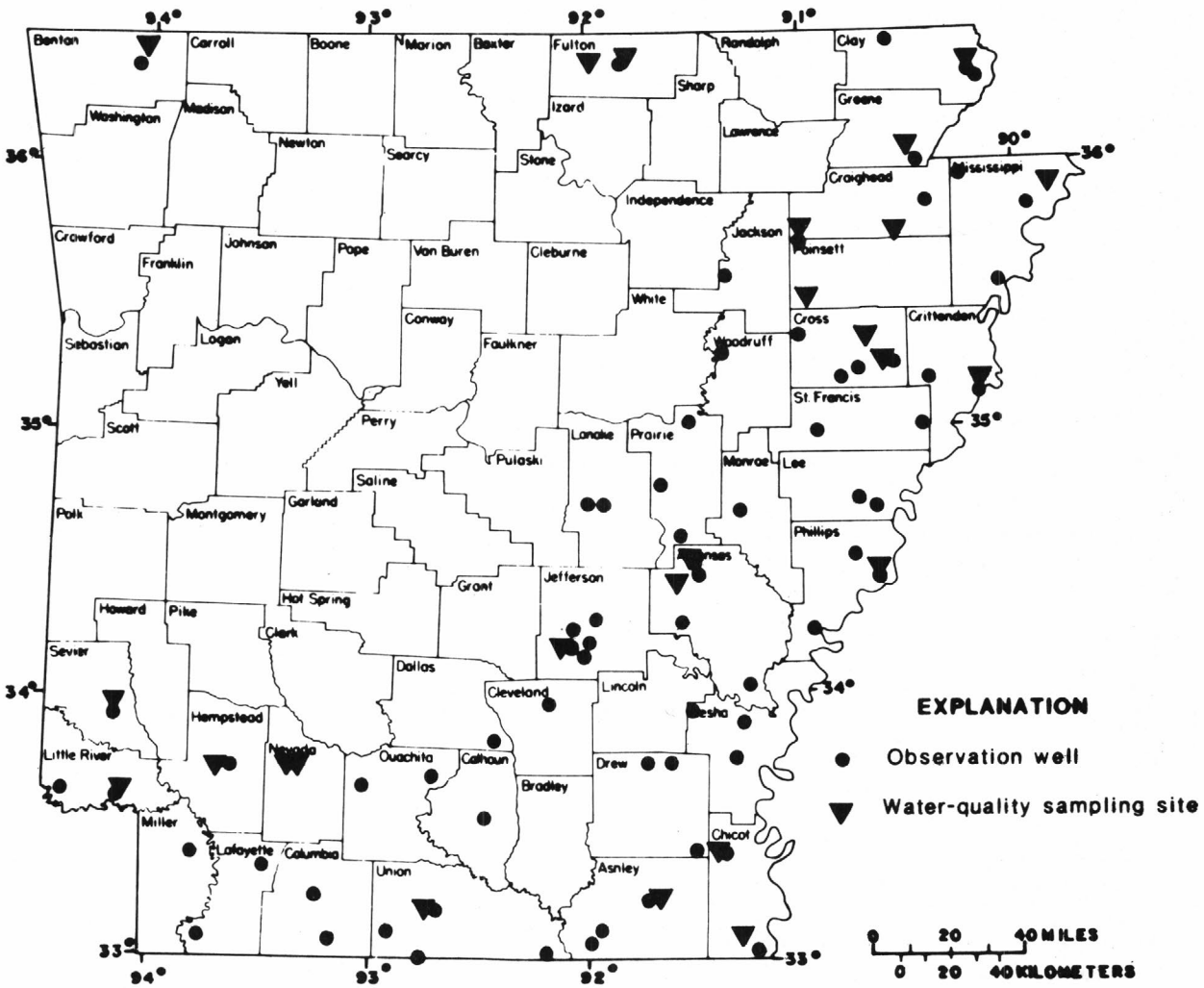


Figure 5.--Locations of observation wells in Arkansas.

ARKANSAS COUNTY

340529091154801. Local number, 07S02W17BBA1.
LOCATION.--Lat 34°05'29", long 91°15'48", Hydrologic Unit 08020401, near Tichnor.
Owner: Sam Whiting.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 5-2 in (0.13-0.05 m), depth 95 ft (29 m), cased 0-92 ft (0-28 m), screened 92-95 ft (28-29 m).
DATUM.--Land surface, 183.38 ft (55.89 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft (0.79 m) above land surface.
PERIOD OF RECORD.--December 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.09 ft (12.22 m) below land surface, Apr. 20, 1962; lowest, 74.09 ft (22.58 m) below land surface, July 24, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 15, 1982, 48.89 ft (14.90 m) below land surface.

341537091314001. Local number, 05S05W15ADD1.
LOCATION.--Lat 34°15'37", long 91°31'40", Hydrologic Unit 08020402, near Bayou Meto.
Owner: J. W. Freeman.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 18-8 in (0.46-0.20 m), depth 110 ft (34 m), screened 65-105 ft (20-32 m).
DATUM.--Land surface, 193 ft (59 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 2.00 ft (0.61 m) above land surface.
PERIOD OF RECORD.--November 1954, April 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.49 ft (15.08 m) below land surface, Mar. 26, 1980; lowest, 56.09 ft (17.10 m) below land surface, Sept. 16, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 16, 1982, 51.52 ft (15.70 m) below land surface.

342842091303401. Local number, 03S05W02AAB1.
LOCATION.--Lat 34°28'42", long 91°30'34", Hydrologic Unit 08020402, near Stuttgart.
Owner: Clarence Weaver.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in (0.30 m), depth 801 ft (244 m), screened 698-798 ft (213-243 m).
DATUM.--Land surface, 210 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 1.50 ft (0.46 m) above land surface.
REMARKS.--Water-quality records for 1950 available in files of district office.
PERIOD OF RECORD.--March 1951 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.22 ft (18.05 m) below land surface, Mar. 29, 1951; lowest, 157.98 ft (48.15 m) below land surface, Sept. 12, 1966.
MEASUREMENT FOR CURRENT YEAR.--Mar. 17, 1982, 151.28 ft (46.11 m) below land surface.

342847091345702. Local number, 03S05W06ABA2.
LOCATION.--Lat 34°28'47", long 91°34'57", Hydrologic Unit 08020402, near Stuttgart.
Owner: Russell Roth.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 20 in (0.51 m), depth 123 ft (37 m), screened 108-123 ft (33-37 m).
DATUM.--Land surface, 198 ft (60 m) National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for July 1975 and August 1979 are available in files of district office.

342924091315301. Local number, 02S05W34BDA1.
LOCATION.--Lat 34°29'24", long 91°31'53", Hydrologic Unit 08020402, near Stuttgart.
Owner: Alfred Heien.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 28 in (0.71 m), depth 760 ft (232 m).
DATUM.--Land surface, 216 ft (66 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land surface.
REMARKS.--Water-level fluctuations caused largely by nearby irrigation pumpage.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 89.52 ft (27.29 m) below land surface, Apr. 27, 1961; lowest, 277.19 ft (84.49 m) below land surface, Aug. 28, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	206.39	183.04	173.54	166.40	162.07	157.45	153.35	151.52	172.63	178.62	203.64	220.82
10	202.39	181.13	172.15	165.57	161.28	156.62	153.66	151.39	178.84	194.80	218.32	215.92
15	196.46	178.97	170.70	165.19	160.50	156.13	153.24	152.72	189.00	202.29	200.88	207.13
20	192.39	177.32	169.68	164.41	159.68	155.67	152.73	153.03	183.24	211.42	195.31	199.37
25	188.94	176.55	168.78	163.63	158.87	155.12	152.25	158.32	180.82	212.05	207.36	193.97
EOM	185.55	174.53	167.39	162.83	158.20	154.49	151.88	155.59	181.88	213.77	223.91	196.52

WTR YR 1982 MAX 151.29 MAY 12, 1982 MIN 223.92 AUG. 30, 31, 1982

342925091314701. Local number 02S05W34ABC1.
LOCATION.--Lat 34°29'25", long 91°31'47", Hydrologic Unit 08020402, near Stuttgart.
Owner: Alfred Heien.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHRACTERISTICS.--Drilled irrigation artesian well, diameter 12 in (0.30 m), depth 758 ft (231 m), cased 0-668 ft (0.204 m), screened 668-758 ft (204-231 m).
DATUM.--Land surface, 216 ft (66 m) National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1969, July 1975, and August 1979 are available in files of district office.

330624091552801. Local number, 18S08W28DDD2.
LOCATION.--Lat 33°06'24", long 91°55'28", Hydrologic Unit 08040205, near Crossett.
Owner: Georgia-Pacific Paper Co.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 155 ft (47 m), screened 142-152 ft (43-46 m).
DATUM.--Land surface, 163.26 ft (49.76 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.27 ft (1.00 m) above land surface.
PERIOD OF RECORD.--June 1960 to August 1963, April 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 87.23 ft (26.59 m) below land surface, Dec. 21, 1981; lowest, 93.28 ft (28.43 m) below land surface, Aug. 22, 1963.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1981 to SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	87.89	87.92	88.22	88.01	88.10	87.88	87.59	87.84	88.00	87.85	87.90	87.87
10	88.00	88.11	87.97	88.23	87.93	88.03	88.05	87.85	87.94	87.81	87.90	87.73
15	88.03	87.75	87.95	87.74	87.73	87.89	87.70	87.93	87.75	87.90	87.82	87.90
20	88.04	88.24	87.85	87.89	88.04	87.98	87.91	87.84	87.94	87.83	87.95	87.87
25	87.64	87.83	87.91	87.96	87.92	87.90	87.58	87.74	87.84	87.89	87.86	87.71
EOM	88.00	87.54	87.67	87.88	87.83	87.87	87.93	87.83	87.94	87.89	87.90	87.92

WTR YR 1982 MAX 87.23 DEC. 21, 1981 MIN 88.49 DEC. 4, 1981 JAN. 7, 16, 1982

331015091523801. Local number, 18S08W01DBA1.
LOCATION.--Lat 33°10'15", long 91°52'38", Hydrologic Unit 08040205, near Crossett.
Owner: Earl Daugherty and Sons.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in (0.46 m), depth 128 ft (39 m), cased 0-108 ft (0-33 m).
DATUM.--Land surface, 183 ft (56 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.60 ft (0.18 m) above land surface.
REMARKS.--Water-quality records for 1947 available in files of district office.
PERIOD OF RECORD.--April 1946, April 1948 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 70.90 ft (21.61 m) below land surface, Apr. 23, 1946; lowest, 86.71 ft (26.43 m) below land surface, Sept. 16, 1970.
MEASUREMENT FOR CURRENT YEAR.--Mar. 31, 1982, 86.40 ft (26.33 m) below land surface.

331730091423301. Local number, 16S06W27BAA1.
LOCATIONS.--Lat 33°17'30", long 91°42'33", Hydrologic Unit 08040205, near Mist.
Owner: Lloyd Engelkes.
AQUIFER.--Sand and gravel in terrace deposits of Pleistocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16-8 in (0.41-0.20), depth 138 ft (42 m).
DATUM.--Land surface, 184 ft (56 m) National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1972 and August 1979 are available in files of district office.

331729091424001. Local number, 16S06W27BAB1.
LOCATION.--Lat 33°17'29", long 91°42'40", Hydrologic Unit 08040205, near Mist.
Owner: E. T. Muller.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in (0.30-0.20 m), depth 115 ft (35 m).
DATUM.--Land surface, 182 ft (55 m) National Geodetic Vertical Datum of 1929. Measuring point: Cutout in east side of casing, 1.20 ft (0.37 m) above land surface.
PERIOD OF RECORD.--April 1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 72.45 ft (22.08 m) below land surface, Mar. 6, 1972; lowest, 76.94 ft (23.45 m) below land surface, Mar. 30, 1982.
MEASUREMENT FOR CURRENT YEAR.--Mar. 30, 1982, 76.94 ft (23.45 m) below land surface.

BENTON COUNTY

361956094061401. Local number, 19N29W07DAB1.
LOCATION.--36°19'56", long 94°06'14", Hydrologic Unit 11010001, at Rogers.
Owner: City of Rogers.
AQUIFER.--Gunter Sandstone of Ordovician age.
WELL CHARACTERISTICS.--Drilled unused public-supply artesian well, diameter 8 in (0.20 m), depth 1,659 (506 m), cased 0-300 ft (0-91 m), open hole 300-1,659 ft (91-506 m).
DATUM.--Land surface, 1,220 ft (372 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump, 2.50 ft (0.76 m) above land surface.
REMARKS.--This well replaced well number 21N29W35DDB1 for water-level measurements.
PERIOD OF RECORD.--May 1966 to December 1975, May 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 108.72 ft (33.14 m) below land surface, Dec. 2, 1975; lowest, 279.68 ft (85.25 m) below land surface, June 9, 1967.
MEASUREMENT FOR CURRENT YEAR.--May. 12, 1982, 129.23 ft (39.39 m) below land surface.

362636094012601. Local number, 21N29W35DDB1.
LOCATION.--Lat 36°26'36", long 94°01'26", Hydrologic Unit 11070208, at Pea Ridge National Park.
Owner: National Park Service.
AQUIFER.--Gunter Sandstone of Ordovician age.
WELL CHARACTERISTICS.--Drilled recreation artesian well, diameter 10 in (0.25 m), depth 1,769 ft (539 m), cased 0-416 ft (0-127 m), open hole 416-1,769 ft (127-539 m).
DATUM.--Land surface, 1,406 ft (429 m) above mean sea level. Measuring point: Airhole in top of casing, 1.50 ft (0.46 m) above land surface.
REMARKS.--Water-quality records for January 1965, June 1972, and August 1977 are available in files of district office.
PERIOD OF RECORD.--October 1965 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 294.00 ft (89.61 m) below land surface, Oct. 12, 1965; lowest 320.22 ft (97.60 m) below land surface, June 8, 1967.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
JUN 30...	0930	80513	80010	361	7.8	18.5	<1	0	.1	.0

DATE	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
JUN 30...	92	100	80	.2	170	13	5.5	.4	8.5	227

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	BORON, DISSOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
JUN 30...	<.10	.030	.20	<.010	70	150	150	4	30	<1

CALHOUN COUNTY

333226092274101. Local number, 13S13W32CDA1.
LOCATION.--Lat 33°32'26", long 92°27'41", Hydrologic Unit 08040201, at Sturgis Street and State Highway No. 274 at Hampton.
Owner: City of Hampton.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 18-6 in (0.46-0.15 m), depth 450 ft (137 m).
DATUM.--Land surface, 208 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in south side of pump, 2.50 ft (0.76 m) above land surface.
PERIOD OF RECORD.--July 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 134.49 ft (40.99 m) below land surface, July 6, 1964; lowest, 164.78 ft (50.22 m) below land surface, Oct. 22, 1979.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1982, 156.30 ft (47.64 m) below land surface.

CHICOT COUNTY

330215091120501. Local number, 19S01W21AAA1.
LOCATION.--Lat 33°02'15", long 91°12'05", Hydrologic Unit 08050002, near Readland.
Owner: C. M. Rankin.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 24 in (0.61 m), depth 102 ft (31 m).
DATUM.--Land surface, 110 ft (34 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, north side, 1.50 ft (0.46 m) above land surface.
REMARKS.--Water-quality records for 1952 available in files of district office.
PERIOD OF RECORD.--March 1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.65 ft (0.20 m) below land surface, Mar. 29, 1973; lowest, 32.96 ft (10.05 m) below land surface, Oct. 2, 1969.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1982, 21.95 ft (6.69 m) below land surface.

330640091154103. Local number, 18S02W25ABB3.
LOCATION.--Lat 33°06'40", long 91°15'41", Hydrologic Unit 08050002, at Gordon Street and Highway No. 8, at Eudora (city well No. 3).
Owner: City of Eudora.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 18-6 in (0.46-0.15 m), depth 330 ft (101 m).
DATUM.--Land surface, 135 ft (41 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump base, 2.50 ft (0.76 m) above land surface.
REMARKS.--Water-quality records for June 1970, June 1975, and May 1979 are available in files of district office.
PERIOD OF RECORD.--January 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.75 ft (11.20 m) below land surface, Mar. 20, 1975; lowest, 45.47 ft (13.86 m) below land surface, Jan. 17, 1967.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1982, 43.70 ft (13.32 m) below land surface.

332613091255101. Local number, 14S03W32DCB1.
LOCATION.--Lat 33°26'13", long 91°25'51", Hydrologic Unit 08050001, near Jerome.
Owner: James Roy Baugh.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16-10 in (0.41-0.25 m), depth 90 ft (27 m), cased 0-50 ft (0.15 m), screened 50-90 ft (15-27 m).
DATUM.--Land surface, 131 ft (40 m) National Geodetic Vertical Datum of 1929.
REMARKS.--Water-Quality record for July 1952 are available in files of district office.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
JUN 22...	1300	80513	80010	550	7.0	19.0	8	200	59	13	18

DATE	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
JUN 22...	16	.6	.8	220	1.0	30	.2	33	286	<.10	.700

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	BORON, DISSOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
JUN 22...	.70	.910	2.8	60	21000	1000	20000	840	110	730

332628091261201. Local number, 14S03W32BCD1.
LOCATION.--Lat 33°26'28", long 91°26'12", Hydrologic Unit 08050001, near Jerome.
Owner: James Roy Baugh, formerly Multiponics Inc.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16-12 in (0.41-0.30 m), depth 120 ft (37 m).
DATUM.--Land surface, 130 ft (40 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in (0.05-m) pipe, southwest side of pump, 2.50 ft (0.76 m) above land surface.
REMARKS.--Water-quality records for July 1952, June 1970, and June 1975 are available in files of district office. Well destroyed April 1982.
PERIOD OF RECORD.--April 1955 to March 1961, March 1969 to 1982.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.51 ft (6.86 m) below land surface, Mar. 28, 1960; lowest, 28.85 ft (8.79 m) below land surface, Mar. 7, 1969.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1982, 27.02 ft (8.24 m) below land surface.

CLAY COUNTY

362311090111002. Local number, 20N08E11BAC2.
LOCATION.--Lat 36°23'11", long 90°11'10", Hydrologic Unit 08020203, at municipal light plant, Piggott (well No.2).
Owner: City of Piggott.
AQUIFER.--Nacatoch Sand of Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, depth 1,000 ft (305 m).
DATUM.--Land surface, 290 ft (88 m) National Geodetic Vertical Datum of 1929. Measuring point: 1-in (0.03-m) hole in bottom of discharge pipe, 4.00 ft (1.22 m) above land surface.
REMARKS.--Well in vicinity of continuously pumping wells.
PERIOD OF RECORD.--March 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.05 ft (1.23 m) below land surface, Mar. 25, 1969; lowest, 18.49 ft (5.64 m) below land surface, Apr. 13, 1967.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1982, 15.02 ft (4.58 m) below land surface.

362311090111301. Local number, 20N08E11BAC3.
LOCATION.--Lat 36°23'11", long 90°11'13", Hydrologic Unit 08020203, near municipal light plant, Piggott (well No. 3).
Owner: City of Piggott.
AQUIFER.--Nacatoch Sand of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12-8 in (0.30-0.20 m), depth 976 ft (297 m). Cased 0-900 ft (0.274 m), screened 900-976 ft (274-297 m).
DATUM.--Land surface, 275 ft (84 m) National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1956, June 1970, and April 1975 are available in files of district office.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
JUN 21...	1315	80513	80010	841	8.4	23.5	5	25	7.2	1.7	190

DATE	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
JUN 21...	93	18	3.2	320	9.0	74	.4	11	462	<.10

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	BORON, DISSOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
JUN 21...	.120	.20	.070	.21	310	100	50	55	<10	2

362502090095801. Local number, 21N08E36ABB1.
LOCATION.--Lat 36°25'02", long 90°09'58", Hydrologic Unit 08020203, near Piggott.
Owner: A. L. Freytag.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in (0.30 m), depth 90 ft (27 m), cased 0-70 ft (0-21 m), screened 70-90 ft (21-27 m).
DATUM.--Land surface, 283 ft (86 m) National Geodetic Vertical Datum of 1929. Measuring point: 1/4-in (0.01-m) plug in north side of pump, 1.00 ft (0.30 m) above land surface.
REMARKS.--Well commonly flows in the early spring.
PERIOD OF RECORD.--June 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, +0.80 ft (0.24 m) above land surface, Apr. 11, 1973; lowest, 9.48 ft (2.89 m) below land surface, Jan. 15, 1957.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1982, 0.55 ft (0.17 m) above land surface.

362759090332401. Local number, 21N05E17ABB1.
LOCATION.--Lat 36°27'59", long 90°33'24", Hydrologic Unit 11010007, near Corning.
Owner: D and E Farms.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in (0.30 m), depth 105 ft (32 m).
DATUM.--Land surface, 300 ft (91 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land surface.
PERIOD OF RECORD.--June 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.91 ft (3.33 m) below land surface, Apr. 4, 1973; lowest, 20.88 ft (6.36 m) below land surface, Mar. 11, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1982, 18.82 ft (5.74 m) below land surface.

CLEVELAND COUNTY

335729092112002. Local number, 09S11W01DDA2.
LOCATION.--Lat 33°57'29", long 92°11'20", Hydrologic Unit 08040204, at Rison.
Owner: Town of Rison.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10-6 in (0.25-0.15 m), depth 550 ft (168 m), cased 0-500 ft (0-152 m), screened 500-550 ft (152-168 m).
DATUM.--Land surface, 266 ft (81 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 2.00 ft (0.61 m) above land surface.
PERIOD OF RECORD.--November 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 151.20 ft (46.09 m) below land surface, May 13, 1966; lowest, 200.03 ft (60.97 m) below land surface, Nov. 28, 1978.
MEASUREMENTS FOR CURRENT YEAR.--Mar. 26, 1982, 199.00 ft (60.66 m) below land surface.

330557093114601. Local number, 19S20W08DAD1.
LOCATION.--Lat 33°05'57", long 93°11'46", Hydrologic Unit 11140203, at Emerson.
Owner: Town of Emerson.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8-4 in (0.20-0.10 m), depth 451 ft (137 m), cased 0-431 ft (0-131 m), screened 431-451 ft (131-137 m).
DATUM.--Land surface, 320 ft (98 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in cap, 1.00 ft (0.30 m) above land surface.
PERIOD OF RECORD.--October 1950, March 1965 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 200.02 ft (60.97 m) below land surface, Oct. 12, 1950; lowest, 260.19 ft (79.31 m) below land surface, Apr. 12, 1977.
MEASUREMENT FOR CURRENT YEAR.--Mar. 30, 1982, 246.64 ft (75.18 m) below land surface.

331609093144902. Local number, 17S21W11DCC2.
LOCATION.--Lat 33°16'09", long 93°14'49", Hydrologic Unit 11140203, at Magnolia (city well No. 2).
Owner: City of Magnolia.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused public-supply artesian well, diameter 8 in (0.20 m), depth 428 ft (130 m), cased 0-365 ft (0-111 m), screened 365-425 ft (111-130 m).
DATUM.--Land surface, 303 ft (92 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.30 ft (0.40 m) above land surface.
REMARKS.--Well in vicinity of continuously pumping wells.
PERIOD OF RECORD.--April 1953 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 238.11 ft (72.58 m) below land surface, Apr. 29, 1953; lowest, 354.39 ft (108.02 m) below land surface, Sept. 1, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 30, 1982, 315.62 ft (96.20 m) below land surface.

CRAIGHEAD COUNTY

354246090503801. Local number, 13N02E35DAA1.
LOCATION.--Lat 35°42'46", long 90°50'38", Hydrologic Unit 08020302, near Otwell.
Owner: A. B. Clark.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused irrigation water-table well, diameter 12 in (0.30 m), depth 120 ft (37 m), screened 100-120 ft (30-37 m).
DATUM.--Land surface, 250 ft (76 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land surface.
REMARKS.--Well in vicinity of heavy seasonal irrigation pumping.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.20 ft (15.30 m) below land surface, June 19, 1957; lowest, 78.69 ft (23.98 m) below land surface, Aug. 7, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	77.64	77.16	77.26	76.86	76.48	76.68	76.25	76.25	77.33	76.95	78.60	78.14
10	77.64	77.25	77.02	76.83	76.35	76.66	76.55	76.29	77.13	77.10	78.45	78.11
15	77.64	76.97	76.96	76.75	76.26	76.66	76.29	76.32	76.83	77.65	78.28	78.11
20	77.64	77.29	76.92	76.77	76.66	76.66	76.47	76.23	76.95	77.92	78.26	78.10
25	77.64	76.96	76.89	76.74	77.00	76.55	76.09	76.18	76.92	78.14	78.24	78.03
EOM	77.27	76.82	76.90	76.60	76.74	76.44	76.42	76.87	76.95	78.43	78.16	78.04

WTR YR 1982 MAX 75.82 APR. 2, 1982 MIN 78.69 AUG. 7, 1982

354236090504401. Local number 13N02E35DAC1.
LOCATION.--Lat 35°42'36", long 90°50'44", Hydrologic Unit 08020302, near Otwell.
Owner: A. B. Clark.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 12 in (0.30 m), depth 127 ft (39 m), cased 0-87 ft (0-27 m), screened 87-127 ft (27-39 m).
DATUM.--Land surface, 250 ft (76 m) National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1969, Sept. 1974, and June 1981 are available in files of district office.

354921090281201. Local number, 14N06E20CCD1.
LOCATION.--Lat 35°49'21", long 90°28'12", Hydrologic Unit 08020203, near Lake City.
Owner: Harley Box.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 8-6 in (0.20-0.15 m), depth 150 ft (46 m), casing, slotted, 125-150 ft (38-46 m).
DATUM.--Land surface, 226 ft (69 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing. south side, 1.50 ft (0.46 m) above land surface.
PERIOD OF RECORD.--April 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.60 ft (0.18 m) below land surface, Apr. 9, 1973; lowest, 5.79 ft (1.76 m) below land surface, Sept. 16, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1982, 4.93 ft (1.50 m) below land surface.

354437090335701. Local number, 13N05E21BDD1.
LOCATION.--Lat 35°44'37", long 90°33'57", Hydrologic Unit 08020203.
Owner: Town of Bay.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16 in (0.41 m), depth 147 ft (45 m), cased 0-97 ft (0-30 m), screened 97-127 ft (30-39 m), cased 127-147 ft (39-45 m).
DATUM.--Land surface, 226 ft (69 m) National Geodetic Vertical Datum of 1929. Measuring point: Breather-pipe hole, 1.50 ft (0.46 m) above land surface.
REMARKS.--Water-quality records for December 1976 and June 1981 are available in files of district office.
PERIOD OF RECORD.--March 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.10 ft (2.16 m) below land surface, Apr. 9, 1973; lowest, 12.43 ft (3.79 m) below land surface, May 20, 1981.
MEASUREMENT FOR CURRENT YEAR.--May 23, 1982, 9.75 ft (2.97 m) below land surface.

CRITTENDEN COUNTY

350906090104201. Local number, 06N09E07CAC1.
LOCATION.--Lat 35°09'06", long 90°10'42", Hydrologic Unit 08020203.
Owner: City of West Memphis.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter, 16 in (0.41 m), depth 1,470 ft (448 m), cased 0-1,380 (0-420 m), screened 1,380-1,470 ft (420-448 m).
DATUM.--Land surface, 210 ft (64 m) National Geodetic Vertical Datum of 1929.
REMARKS.--City well No. 5, water-quality records for December 1976, and June 1981 are in files of district office.

350843090105901. Local number, 06N09E18BBB1.
LOCATION.--Lat 35°08'43", long 90°10'59", Hydrologic Unit 08020203.
Owner: City of West Memphis.
AQUIFER.--Sand, Wilcox group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in (0.25 m), depth 1,504 ft (458 m), cased 0-1,444 ft (0-440 m), screened 1,444-1,504 ft (440-458 m).
DATUM.--Land surface, 210 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point: At brass plug in pump base, 4.85 ft (1.48 m) above land surface.
REMARKS.--Water-quality records available for city well No. 5: December 1976.
PERIOD OF RECORD.--March 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.75 ft (9.98 m) below land surface, Apr. 8, 1975; lowest, 58.53 ft (17.84 m) below land surface, Mar. 27, 1980.
MEASUREMENTS FOR CURRENT YEAR.--Mar. 16, 1982, 49.56 ft (15.11 m) below land surface.

351043090235901. Local number, 07N07E31CCC1.
LOCATION.--Lat 35°10'43", long 90°23'59", Hydrologic Unit 08020203, near Lansing.
Owner: John McKnight.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused irrigation artesian well, diameter 16 in (0.41 m), depth 98 ft (30 m).
DATUM.--Land surface, 207 ft (63 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in steel plate, 1.00 ft (0.30 m) above land surface.
PERIOD OF RECORD.--March 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.31 ft (3.75 m) below land surface, May 17, 1958; lowest, 19.78 ft (6.03 m) below land surface, Mar. 16, 1982.
MEASUREMENT FOR CURRENT YEAR.--Mar. 16, 1982, 19.78 ft (6.03 m) below land surface.

CROSS COUNTY

351542090332002. Local number, 07N05E03BCD2.
LOCATION.--Lat 35°15'42", long 90°33'20", Hydrologic Unit 08020203.
Owner: Parkin Water Company.
AQUIFER.--Sand, Memphis Aquifer of Eocene age.
DATUM.--Land surface, 211 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe south side of pump, 1.00 ft (0.30 m) above land surface.
REMARKS.--Water-quality records available: For city well 07N05E04ADB1: December 1976.
PERIOD OF RECORD.--November 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.99 ft (7.62 m) below land surface, Mar. 26, 1974; lowest, 30.18 ft (9.20 m) below land surface, Apr. 8, 1981.
MEASUREMENT FOR CURRENT YEAR.--Apr. 7, 1982, 29.71 ft (9.06 m) below land surface.

351544090334101. Local number, 07N05E04ADB1.
LOCATION.--Lat 35°15'44", long 90°33'41", Hydrologic Unit 08020203.
Owner: Parkin Water Company.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (0.30 m), depth 462 ft (141 m).
DATUM.--Land surface, 206 ft (63 m) National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for December 1976, and June 1981 are available in files of district office.

352231090421501. Local number, 09N04E30DCA1.
LOCATION.--Lat 35°22'31", long 90°42'15", Hydrologic Unit 08020205.
Owner: Vanndale-Birdeye Water Association.
AQUIFER.--Sand, Memphis aquifer of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in (0.25 m), depth 1,148 ft (350 m), cased 0-1,038 ft (0-316 m), screened 1,038-1,148 ft (316-350 m).
DATUM.--Land surface, 429 ft (131 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in (0.03-m) pipe in pump base, 2.50 ft (0.76 m) above land surface.
REMARKS.--Water-quality records for December 1976, and June 1981 are available in files of district office.
PERIOD OF RECORD.--July 26, 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 240.47 ft (73.30 m) below land surface, Mar. 22, 1976; lowest, 258.50 ft (78.79 m) below land surface, Apr. 8, 1982.
MEASUREMENT FOR CURRENT YEAR.--Apr. 8, 1982, 258.50 ft (78.79 m) below land surface.

351326090473603. Local number, 07N03E16CCC3.
LOCATION.--Lat 35°13'26", long 90°47'36", Hydrologic Unit 08020205, at Wynne (city well No. 3).
Owner: City of Wynne.
AQUIFER.--Sand, Memphis aquifer of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-10 in (0.41-0.25 m), depth 800 ft (244 m), cased 730 ft (223 m), screened 730-800 ft (223-244 m).
DATUM.--Land surface, 253 ft (77 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening in north side of pump, 3.00 ft (0.91 m) above land surface.
REMARKS.--Well is infrequently pumped.
PERIOD OF RECORD.--November 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.02 ft (21.04 m) below land surface, Apr. 4, 1968; lowest, 83.20 ft (25.36 m) below land surface, Mar. 26, 1980.
MEASUREMENT FOR CURRENT YEAR.--Apr. 8, 1982, 78.57 ft (23.95 m) below land surface.

351456090423201. Local number, 07N04E07ABC1.
LOCATION.--Lat 35°14'56", long 90°42'32", Hydrologic Unit 08020203, near Princedale.
Owner: J. E. Hollan, Jr.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16 in (0.41 m), depth 196 ft (60 m).
DATUM.--Land surface, 222 ft (68 m) National Geodetic Vertical Datum of 1929. Measuring point: Plug hole in pump base, 1.90 ft (0.58 m) above land surface.
PERIOD OF RECORD.--February 1955, February 1961-62, July 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.68 ft (11.79 m) below land surface, Sept. 16, 1975; lowest, 46.94 ft (14.31 m) below land surface, Jan. 14, 1965.
MEASUREMENT FOR CURRENT YEAR.--Apr. 8, 1982, 45.48 ft (13.86 m) below land surface.

352204091000201. Local number, 09N01E33BBA1.
LOCATION.--Lat 35°22'04", long 91°00'02", Hydrologic Unit 08020205, near Hickory Ridge.
Owner: H. H. Holleman.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 12-8 in (0.30-0.20 m).
DATUM.--Land surface, 225 ft (69 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of pit casing, north side, 0.90 ft (0.27 m) above land surface.
PERIOD OF RECORD.--January 1957 to August 1962, April 1964 to April 1974, March 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.90 ft (10.64 m) below land surface, June 19, 1957; lowest, 57.46 ft (17.51 m) below land surface, Apr. 8, 1982.
MEASUREMENT FOR CURRENT YEAR.--Apr. 8, 1982, 57.46 ft (17.51 m) below land surface.

DALLAS COUNTY

334830092245702. Local number, 10S13W34ACA2.
LOCATION.--Lat 33°48'30", long 92°24'57", Hydrologic Unit 08040201, at Fordyce.
Owner: Fordyce Water Co.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused public-supply artesian well, diameter 10-8 in (0.25-0.20 m), depth 888 ft (271 m).
DATUM.--Land surface, 272 ft (83 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe in concrete base, 0.50 ft (0.15 m) above land surface.
REMARKS.--Water-quality records for 1946 available in files of district office.
PERIOD OF RECORD.--October 1949 to May 1950, June 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.81 ft (29.81 m) below land surface, May 8, 1950; lowest, 140.19 ft (42.73 m) below land surface, Apr. 10, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1982, 140.04 ft (42.68 m) below land surface.

DESHA COUNTY

334615091170501. Local number, 11S02W03CCA1.
LOCATION.--Lat 33°46'15", long 91°17'05", Hydrologic Unit 08050002, near Rohwer.
Owner: R. A. Adcock.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in (0.30-0.20 m), depth 754 ft (230 m), cased 0-679 ft (0-207 m), screened 679-754 ft (207-230 m).
DATUM.--Land surface, 139 ft (42 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft (0.46 m) above land surface.
PERIOD OF RECORD.--July 1952, December 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.50 ft (2.59 m) below land surface, July 27, 1952; lowest, 47.56 ft (14.50 m) below land surface, Mar. 23, 1982.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1982, 47.56 ft (14.50 m) below land surface.

335258091152301. Local number, 09S02W26DDC1.
LOCATION.--Lat 33°52'58", long 91°15'23", Hydrologic Unit 08050002, near Watson.
Owner: George H. Smith.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 5-2 in (0.13-0.05 m), depth 97 ft (30 m), cased 0-94 ft (0-29 m), screened 94-97 ft (29-30 m).
DATUM.--Land surface, 149.27 ft (45.50 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.71 ft (0.52 m) above land surface.
REMARKS.--Water level fluctuates largely with stage of Arkansas River.
PERIOD OF RECORD.--October 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.94 ft (0.90 m) below land surface, Feb. 17, 1959; lowest, 23.27 ft (7.09 m) below land surface, Aug. 31, 1982.

335258091152301--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.98	19.22	18.70	18.31	17.56	16.17	15.20	14.44	17.32	19.71	22.59	22.32
10	20.97	19.11	18.61	18.34	17.17	16.27	15.24	14.59	17.50	20.52	22.78	22.09
15	20.94	18.98	18.53	18.17	16.88	16.15	15.27	15.68	18.09	20.79	22.82	21.88
20	20.91	18.85	18.55	18.15	16.74	16.18	14.20	15.88	18.09	21.36	22.91	21.61
25	19.82	18.78	18.44	17.94	16.72	16.08	14.04	16.54	18.18	21.87	23.05	21.34
EOM	19.59	18.64	18.35	17.71	16.52	16.10	14.24	17.11	18.87	22.29	22.92	21.12

WTR YR 1982 MAX 13.98 APR. 26, 27, 1982 MIN 23.27 AUG. 31, 1982

335810091325301. Local number, 09S04W06BBC1.
LOCATION.--Lat 33°58'10", long 91°32'53", Hydrologic Unit 08050001, near Gould.
Owner: Holthoff Brothers.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-10 in (0.46-0.25 m), depth 102 ft (31 m), screened 70-102 ft (21-31 m).
DATUM.--Land surface, 161.75 ft (49.30 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land surface.
REMARKS.--Water-quality records for 1952 available in files of district office.
PERIOD OF RECORD.--August 1952 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.87 ft (0.27 m) below land surface, May 8, 1958; lowest, 14.83 ft (4.52 m) below land surface, July 9, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1982, 21.15 (6.45 m) below land surface.

DREW COUNTY

332418091272601. Local number, 15S04W12DDA1.
LOCATION.--Lat 33°24'18", long 91°27'26", Hydrologic Unit 08050001, near Jerome.
Owner: Ernest Ellington and Son.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS--Drilled unused artesian well, diameter 18-8 in (0.46-0.20 m), depth 760 ft (232 m), cased 0-680 ft (0-207 m), screened 680-760 ft (207-232 m).
DATUM.--Land surface, 125 ft (38 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, south side, 2.00 ft (0.61 m) above land surface.
REMARKS.--Water-quality records for 1952 available in files of district office.
PERIOD OF RECORD.--March 1962 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.03 ft (8.85 m) below land surface, June 12, 1962; lowest, 50.85 ft (15.50 m) below land surface, Mar. 25, 1982.
MEASUREMENT FOR CURRENT YEAR.--Mar. 25, 1982, 50.85 ft (15.50 m) below land surface.

334545091383701. Local number, 11S05W08CCC1.
LOCATION.--Lat 33°45'45", long 91°38'37", Hydrologic Unit 08040205, near Florence.
Owner: J. E. Holloway.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in (0.30-0.20 m), depth 153 ft (47 m), cased 0-93 ft (0-28 m), screened 93-153 ft (28-47 m).
DATUM.--Land surface, 185 ft (56 m) National Geodetic Vertical Datum of 1929. Measuring point: Plug in pump, south side, 2.00 ft (0.61 m) above land surface.
PERIOD OF RECORD.--January 1965 to March 1968, March 1970 to March 1975, April 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.47 ft (8.98 m) below land surface, May 6, 1965; lowest, 36.03 ft (10.98 m) below land surface, Apr. 7, 1977.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1982, 33.30 ft (10.15 m) below land surface.

334601091412101. Local number, 11S06W11DBC1.
LOCATION.--Lat 33°46'01", long 91°41'21", Hydrologic Unit 08040205, near Florence.
Owner: James E. Henley, Jr.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-10 in (0.46-0.25 m), depth 864 ft (263 m), cased 0-824 ft (0-251 m), screened 824-864 ft (251-263 m).
DATUM.--Land surface, 203 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in south side of pump base, 1.50 ft (0.46 m) above land surface.
REMARKS.--Water-quality records for 1953 available in files of district office.
PERIOD OF RECORD.--March 1962, March 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.10 ft (28.07 m) below land surface, March 27, 1964; lowest, 129.08 ft (39.34 m) below land surface, Mar. 24, 1982.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1982, 129.08 ft (39.34 m) below land surface.

FULTON COUNTY

362219091492101. Local number, 20N08W27AAB1.
LOCATION.--Lat 36°22'19", long 91°49'21", Hydrologic Unit 11010010, at Salem.
Owner: City of Salem.
AQUIFER.--Gunter Sandstone of Ordovician age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, depth 1,280 ft (390 m).
DATUM.--Land surface, 660 ft (201 m) National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for January 1969, and April 1975 are available in files of district office.

362219091492101--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
JUN 29...	1030	80513	80010	479	8.2	17.0	1	240	49	28

DATE	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
JUN 29...	1.5	1	.0	.7	270	4.0	1.6	<.1	8.4	205

DATE	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	BORON, DISSOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
JUN 29...	.12	.040	.30	<.010	<10	190	180	15	20	<1

362207091492401. Local number, 20N08W27ABD1.
LOCATION.--Lat 36°22'07", long 91°49'24", Hydrologic Unit 11010010, at Salem.
Owner: City of Salem.
AQUIFER.--Gunter Sandstone of Ordovician age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in (0.20 m), depth 1,282 ft (391 m).
DATUM.--Land surface, 660 ft (201 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in plate on top of casing, 2.00 ft (0.61 m) above land surface.
PERIOD OF RECORD.--February 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.24 ft (0.68 m) below land surface, Apr. 18, 1979; lowest, 50.73 ft (15.46 m) below land surface, Nov. 21, 1974.
MEASUREMENT FOR CURRENT YEAR.--Apr. 21, 1982, 16.70 ft (5.09 m) below land surface.

362359091590001. Local number, 20N09W18ACB1.
LOCATION.--Lat 36°23'59", long 91°59'00", Hydrologic Unit 1101006, at Viola.
Owner: City of Viola.
AQUIFER.--Roubidoux Formation of Ordovician age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in (0.20 m), depth 950 ft (290 m).
DATUM.--Land surface, 860 ft (262 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing under cover plate, 2.50 ft (0.76 m) above land surface.
REMARKS.--This well replaced 20N09W18CAD1 for quality-water records.
PERIOD OF RECORD.--July 1978, April 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.60 ft (28.22 m) below land surface, July 24, 1978; lowest, 110.38 ft (33.64 m) below land surface, Apr. 10, 1982.
MEASUREMENT FOR CURRENT YEAR.--Apr. 10, 1982, 110.38 ft (33.64 m) below land surface.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
JUN 29...	1130	80513	80010	380	7.4	15.5	1	190	38	22	1.8

DATE	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
JUN 29...	2	.1	1.6	180	2.0	1.9	<.1	11	185	<.10

362359091590001--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	BORON, DISSOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
JUN 29...	.020	.30	.010	.03	<10	200	190	7	20	<1

GREENE COUNTY

360322090290401. Local number, 17N06E31DCB1.
LOCATION.--Lat 36°03'22", long 90°29'04", Hydrologic Unit 08020203.
Owner: City of Paragould.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 20 in (0.51 m), depth 507 ft (155 m), screened 467-507 ft (142-155 m).
DATUM.--Land surface, 285 ft (87 m) National Geodetic Vertical Datum of 1929. Measuring point: Pipe in east side of pump base, 1.00 ft (0.30 m) above land surface.
REMARKS.--Water-quality records for December 1976 and June 1981 are available in files of district office.
PERIOD OF RECORD.--March 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 73.25 ft (22.33 m) below land surface, Apr. 13, 1967; lowest, 109.95 ft (33.51 m) below land surface, Mar. 25, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1982, 103.72 ft (31.61 m) below land surface.

360219090262501. Local number, 16N06E03CCC1.
LOCATION.--Lat 36°02'19", long 90°26'25", Hydrologic Unit 08020203, near Paragould.
Owner: Otis Williams.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-10 in (0.46-0.25 m), depth 194 ft (59 m).
DATUM.--Land surface, 255 ft (78 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in pump base, north side, 1.00 ft (0.30 m) above land surface.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.21 ft (5.55 m) below land surface, Mar. 10, 1958; lowest, 40.01 ft (12.20 m) below land surface, July 22, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1982, 37.30 ft (11.37 m) below land surface.

HEMPSTEAD COUNTY

334345093373701. Local number, 12S24W06CDC1.
LOCATION.--Lat 33°43'45", long 93°37'37", Hydrologic Unit 11140201, at Hope (city well No. 5).
Owner: City of Hope.
AQUIFER.--Sand, Tokio Formation of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (0.30 m), depth 1,156 ft (352 m).
DATUM.--Land surface, 355 ft (108 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump base, 1.50 ft (0.46 m) above land surface.
REMARKS.--Water-quality records for June 1972, and January 1977 are available in files of district office.
PERIOD OF RECORD.--April 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.02 ft (29.57 m) below land surface, Apr. 14, 1972; lowest, 189.88 ft (57.88 m) below land surface, Mar. 31, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 25, 1982, 185.18 ft (56.44 m) below land surface.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
JUN 23...	1245	80513	80010	970	8.6	31.0	5	6	1.9	.3	210

DATE	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
JUN 23...	99	39	.5	230	71	120	1.0	12	552	.11	.200

334345093373701--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	BORON, DISSOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
JUN 23...	.30	.470	1.4	2400	80	50	29	10	5	5

334358093370101. Local number, 12S24W06DAD1.
LOCATION.--Lat 33°43'58", long 93°37'01", Hydrologic Unit 11140201, at Hope (city well No. 2).
Owner: City of Hope.
AQUIFER.--Sand, Tokio Formation of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (0.30 m), depth 1,200 ft (366 m).
DATUM.--Land surface, 355 ft (108 m) National Geodetic Vertical Datum of 1929. Measuring point: 2-in (0.05-m) pipe in south side of concrete base, 0.80 ft (0.24 m) above land surface.
PERIOD OF RECORD.--April 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.44 ft (24.21 m) below land surface, Apr. 5, 1971; lowest, 200.45 ft (61.10 m) below land surface, Mar. 28, 1979.
MEASUREMENT FOR CURRENT YEAR.--Mar. 25, 1982, 180.97 ft (55.16 m) below land surface.

JACKSON COUNTY

353323091213701. Local number, 11N03W30CBA1.
LOCATION.--Lat 35°33'23", long 91°21'37", Hydrologic Unit 11010013, near Olyphant.
Owner: R. D. Wilmans, Jr.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 14 in (0.36 m), depth 90 ft (27 m), cased 0-60 ft (0-18 m), screened 60-90 ft (18-27 m).
DATUM.--Land surface, 223 ft (68 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of casing, at land surface.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.54 ft (3.21 m) below land surface, Mar. 20, 1979; lowest, 28.25 ft (8.61 m) below land surface, Sept. 21, 1959.
MEASUREMENT FOR CURRENT YEAR.--Mar. 25, 1982, 18.45 ft (5.62 m) below land surface.

JEFFERSON COUNTY

340901091564601. Local number, 07S08W06BAA1.
LOCATION.--Lat 34°09'01", long 91°56'46", Hydrologic Unit 08040205, near Pine Bluff.
Owner: W. K. Shell.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16-8 in (0.41-0.20 m), depth 160 ft (49 m), cased 0-120 ft (0-37 m), screened 120-160 ft (37-49 m).
DATUM.--Land surface, 202.31 ft (61.66 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/2-in (0.04-m) pipe on south side of pump base, 1.00 ft (0.30 m) above land surface.
PERIOD OF RECORD.--April 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.88 ft (2.40 m) below land surface, Apr. 5, 1962; lowest, 21.09 ft (6.43 m) below land surface, July 9, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1982, 14.77 ft (4.50 m) below land surface.

341138091551601. Local number, 06S08W16CCC1.
LOCATION.--Lat 34°11'38",long 91°55'16", Hydrologic Unit 08040205, at intersection of U.S. Highway 62 and State Highway 81 near Pine Bluff (company observation well No. 3).
Owner: International Paper Company.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in (0.05 m), depth 1,106 ft (337 m), cased 0-1,017 ft (0-310 m), 1,033-1,053 ft (315-321 m), 1,068-1,090 ft (326-332 m), screened 1,017-1,033 ft (310-315 m), 1,053-1,068 ft (321-326 m), 1,090-1,106 ft (332-337 m).
DATUM.--Land surface, 202.42 ft (61.70 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft (0.61 m) above land surface.
PERIOD OF RECORD.--August 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 108.98 ft (33.22 m) below land surface, Sept. 4, 1958; lowest, 244.65 ft (74.57 m) below land surface, Feb. 24, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Oct. 21	243.05	Jan. 20	241.70	Mar. 23	240.20	June 23	235.40	Aug. 25	232.90
Nov. 26	243.70	Feb. 24	244.65	Apr. 21	241.20	July 21	229.95	Sept. 22	230.20
Dec. 16	243.45			May 20	236.95				

341151092022101. Local number, 06S09W17CCA1.
LOCATION.--Lat 34°11'51", long 92°02'21", Hydrologic Unit 08040205, at Midland Drive North and Midland Drive South, Pine Bluff.
Owner: General Water Works Corporation.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4-2 in (0.10-0.05 m), depth 906 ft (276 m).
DATUM.--Land surface, 234.34 ft (71.43 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land surface.
PERIOD OF RECORD.--October 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.36 ft (24.49 m) below land surface, Oct. 17, 1956; lowest, 255.90 ft (78.00 m) below land surface, Mar. 22, 1982.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1982, 255.90 ft (78.00 m) below land surface.

341147092022301. Local number, 06S09W17CCB1.
LOCATION.--Lat 34°11'47", long 92°02'23", Hydrologic Unit 08040205, near Midland Drive North and Midland Drive South, Pine Bluff.
Owner: General Water Works Corporation (well No. 16).
AQUIFER.--Sparta Sand of Eocene Age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-8 in (0.41-0.20 m), depth 963 ft (263 m), cased 0-783 ft (0-239 m), screened 783-863 ft (239-263 m).
DATUM.--Land surface, 231 ft (70 m) National Geodetic Vertical Datum of 1929.
REMARKS.--Water quality records for December 1968, June 1975, and August 1979 are available in files of district office.

341427091565201. Local number, 05S09W35AAB1.
LOCATION.--Lat 34°14'27", long 91°56'52", Hydrologic Unit 11110207, at St. Louis and Southwestern Railroad yard near Pine Bluff (company observation well No. 5).
Owner: International Paper Company.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in (0.05 m), depth 809 ft (247 m).
DATUM.--Land surface, 204.67 ft (62.38 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft (0.91 m) above land surface.
PERIOD OF RECORD.--September 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.73 ft (16.68 m) below land surface, May 23, 1957; lowest, 271.59 ft (82.78 m) below land surface, Mar. 24, 1981.
MEASUREMENTS FOR CURRENT YEAR.--Mar. 23, 1982, 267.45 ft (81.52 m) below land surface.

342116091474501. Local number, 04S07W17CCB1.
LOCATION.--Lat 34°21'16", long 91°47'45", Hydrologic Unit 08020401, near Wabbaseka.
Owner: Frank Ragland.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-12 in (0.46-0.30 m), depth 101 ft (31 m), cased 0-71 ft (0-22 m), screened 71-101 ft (22-31 m).
DATUM.--Land surface, 203 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point: Top end of discharge pipe, 7.00 ft (2.13 m) above land surface.
PERIOD OF RECORD.--October 1949 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.05 ft (3.67 m) below land surface, Feb. 27, 1952; lowest, 37.41 ft (11.40 m) below land surface, Mar. 22, 1982.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1982, 37.41 ft (11.40 m) below land surface.

LAFAYETTE COUNTY

330804093435501. Local number, 19S25W06ABD1.
LOCATION.--Lat 33°08'04", long 93°43'55", Hydrologic Unit 11140201, near Gin City.
Owner: Earl Stanley.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16-12 in (0.41-0.30 m), depth 63 ft (19 m), cased 0-43 ft (0-13 m), screened 43-63 ft (13-19 m).
DATUM.--Land surface, 216 ft (65 m) National Geodetic Vertical Datum of 1929. Measuring point: Top end of discharge pipe, 2.00 ft (0.61 m) above land surface.
PERIOD OF RECORD.--March 1955 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.53 ft (1.38 m) below land surface, Apr. 1, 1959; lowest, 17.67 ft (5.39 m) below land surface, Nov. 29, 1978.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 7, 1982, 14.39 ft (4.39 m) below land surface.

332145093280402. Local number, 16S23W10DCA2.
LOCATION.--Lat 33°21'45", long 93°28'04", Hydrologic Unit 11140203, near Stamps.
Owner: Arkansas Power and Light Company.
AQUIFER.--Cane River Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (0.15 m) depth 355 ft (108 m).
DATUM.--Land surface, 293.50 ft (89.46 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land surface.
PERIOD OF RECORD.--June 1952 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.75 ft (11.20 m) below land surface, Mar. 31, 1953; lowest, 88.90 ft (27.10 m) below land surface, Oct. 1, 1963.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 6, 1982, 75.92 ft (23.14 m) below land surface.

344203090411601. Local number, 01N04E09DCC1.
LOCATION.--Lat 34°42'03", long 90°41'16", Hydrologic Unit 08020203, near Marianna.
Owner: U.S. Geological Survey.
AQUIFER.--Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6-3 in (0.15-0.08 m), depth 1,885 ft (575 m), cased 0-1,865 ft (0-568 m), screened 1,865-1,885 ft (568-575 m).
DATUM.--Land surface, 204 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point: 1/4-in (0.01-m) plug in pipe cap, 3.50 ft (1.07 m) above land surface.
REMARKS.--Water-quality records for 1964 available in files of district office.
PERIOD OF RECORD.--September 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.64 ft (2.94 m) below land surface, Apr. 10, 1967; lowest, 27.10 ft (8.26 m) below land surface, Mar. 18, 1982.
MEASUREMENT FOR CURRENT YEAR.--Mar. 18, 1982, 27.10 ft (8.26 m) below land surface.

344341090460001. Local number, 01N03E02BBC1.
LOCATION.--Lat 34°43'41", long 90°46'00", Hydrologic Unit 08020304, near Marianna.
Owner: University of Arkansas, Cotton Branch Experiment Station.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 24-12 in (0.61-0.30 m), depth 168 ft (51 m).
DATUM.--Land surface, 236.43 ft (72.06 m) National Geodetic Vertical Datum of 1929. Measuring point: Small pipe in west side of pump base, 2.00 ft (0.61 m) above land surface.
PERIOD OF RECORD.--March 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.16 ft (9.50 m) below land surface, Apr. 17, 1961; lowest, 49.67 ft (15.14 m) below land surface, Nov. 15, 1966.
MEASUREMENT FOR CURRENT YEAR.--Mar. 18, 1982, 46.24 ft (14.09 m) below land surface.

LITTLE RIVER COUNTY

333928094065401. Local number, 13S29W04CBC1.
LOCATION.--Lat 33°39'28", long 94°06'54", Hydrologic Unit 11140109, at Ashdown (city well No. 6).
Owner: City of Ashdown.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12-6 in (0.30-0.15 m), depth 95 ft (29 m), cased 0-65 ft (0-20 m) screened, 65-95 ft (20-29 m).
DATUM.--Land surface, 327 ft (100 m) National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1981 are available in files of district office.

333951094071501. Local number, 13S29W05ABC1.
LOCATION.--Lat 33°39'51", long 94°07'15", Hydrologic Unit 11140109, near Ashdown.
Owner: Diggs and Hagan.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-8 in (0.46-0.20 m), depth 98 ft (30 m), cased 0-58 ft (0-18 m), screened 58-98 ft (18-30 m).
DATUM.--Land surface, 330 ft (100 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land surface.
REMARKS.--Water-quality records for 1972 available in files of district office.
PERIOD OF RECORD.--March 1957 to March 1968, April 1971 to April 1973, March 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.55 ft (0.17 m) below land surface, Dec. 2, 1958; lowest, 48.16 ft (14.68 m) below land surface, Mar. 24, 1976.
MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1982, 25.59 ft (7.80 m) below land surface.

333851094254201. Local number 13S32W09CCC1.
LOCATION.--Lat 33°38'51", long 94°25'42", Hydrologic Unit 11140106, near Foreman.
Owner: W. L. Madison
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 4 in (0.10 m), depth 52 ft (16 m), cased 0-42 ft (0-13 m), screened 45-52 ft (13-16 m).
DATUM.--Land surface, 313 ft (95 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft (0.79 m) above land surface.
PERIOD OF RECORD.--April 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.92 ft (1.19 m) below land surface, Apr. 2, 1980; lowest, 5.47 ft (1.68 m) below land surface, Mar. 24, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1982, 3.88 ft (1.18 m) below land surface.

LONOKE COUNTY

344607091543401. Local number, 02N08W30CAB1.
LOCATION.--Lat 34°46'07", long 91°54'34", Hydrologic Unit 08020402, at Joe Hogan State Fish Hatchery near Lonoke.
Owner: State Game and Fish Commission.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 18 in (0.46 m), depth 135 ft (41 m).
DATUM.--Land surface, 245 ft (75 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land surface.
PERIOD OF RECORD.--September 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.65 ft (25.80 m) below land surface, Mar. 24, 1969; lowest, 109.98 ft (33.52 m) below land surface, Aug. 12, 1982.

344607091543401--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	107.40	107.17	106.76	105.87	105.69	105.01	107.62	106.66	107.21	107.43	109.57	108.96
10	107.21	107.08	106.57	106.25	105.39	104.95	108.37	106.74	107.17	107.44	109.39	108.61
15	107.25	106.40	106.36	105.32	104.92	104.63	106.88	106.13	107.19	108.01	109.46	108.75
20	107.33	106.75	106.19	105.55	105.05	105.53	106.61	105.86	107.43	108.49	109.29	108.57
25	106.55	106.29	106.03	105.61	105.54	106.94	105.95	105.82	107.69	109.32	109.34	108.29
EOM	107.62	105.85	105.65	105.29	105.31	107.75	106.28	106.30	107.75	109.41	109.11	108.35

WTR YR 1982 MAX 104.49 MAR. 4, 16, 1982 MIN 109.98 AUG. 12, 1982

344955091565301. Local number, 02N09W02BCB1.
LOCATION.--Lat 34°49'55", long 91°56'53", Hydrologic Unit 08020402, near Lonoke.
Owner: Joe Bob Gotcher.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 24 in (0.61 m), depth 128 ft (39 m).
DATUM.--Land surface, 255 ft (78 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in plate over well at land surface.
PERIOD OF RECORD.--March 1937, March 1944, March 1947, March 1951, March 1953 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.72 ft (14.55 m) below land surface, Mar. 28, 1937; lowest, 98.25 ft (29.95 m) below land surface, Aug. 28, 1978.
MEASUREMENT FOR CURRENT YEAR.--May. 10, 1982, 96.62 ft (29.45 m) below land surface.

MILLER COUNTY

332441093461401. Local number, 15S26W34AAA1.
LOCATION.--Lat 33°24'41", long 93°46'14", Hydrologic Unit 11140201, near Garland on U.S. Highway No. 82.
Owner: Harold E. Beck.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in (0.25 m), depth 41 ft (12 m).
DATUM.--Land surface, 230 ft (70 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land surface.
PERIOD OF RECORD.--November 1960, April 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.25 ft (0.08 m) below land surface, August 21, 1970; lowest, 13.98 ft (4.26 m) below land surface, April 14, 1972.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 6, 1982, 9.11 ft (2.78 m) below land surface.

MISSISSIPPI COUNTY

353213090072701. Local number, 11N09E34BBB1.
LOCATION.--Lat 35°32'13", long 90°07'27", Hydrologic Unit 08020203, near Bassett.
Owner: Crain Company.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in (0.30-0.20 m), depth 94 ft (29 m), cased 0-84 ft (0-26 m), screened 84-94 ft (26-29 m).
DATUM.--Land surface, 235 ft (71 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, north side, 0.50 ft (0.15 m) above land surface.
PERIOD OF RECORD.--May 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.48 ft (1.98 m) below land surface, May 14, 1958; lowest, 14.18 ft (4.32 m) below land surface, Mar. 23, 1981.
MEASUREMENT FOR CURRENT YEAR.--Apr. 15, 1982, 13.59 ft (4.14 m) below land surface.

355005090034601. Local number, 14N10E18ABC1.
LOCATION.--Lat 35°50'05", long 90°03'46", Hydrologic Unit 08020203, near Dell.
Owner: R. A. Greenway.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16 in (0.41 m), depth 101 ft (31 m), cased 0-51 ft (0-16 m), screened 51-101 ft (16-31 m).
DATUM.--Land surface, 236 ft (72 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft (0.12 m) above land surface.
REMARKS.--Water-quality records for 1956 and 1957 available in files of district office.
PERIOD OF RECORD.--May 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD--Highest water level measured, 4.90 ft (1.49 m) below land surface, Dec. 11, 1957; lowest, 15.86 ft (4.83 m) below land surface, Nov. 18, 1964.
MEASUREMENT FOR CURRENT YEAR.--Apr. 15, 1982, 11.87 ft (3.62 m) below land surface.

355607090152601. Local number, 15N08E08DBC1.
LOCATION.--Lat 35°56'07", long 90°15'26", Hydrologic Unit 08020204, at Leachville.
Owner: City of Leachville (city well No. 1).
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply unused artesian well, diameter 10-6 in (0.25-0.15 m), depth 1,083 ft (330 m), cased 0-1,000 ft (0-305 m), screened 1,000-1,083 ft (305-330 m).
DATUM.--Land surface, 236 ft (72 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of outer casing, 1.00 ft (0.30 m) above land surface.
REMARKS.--Water-quality records for 1956 in files of district office.
PERIOD OF RECORD.--November 1958, March 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.90 ft (0.88 m) below land surface, Nov. 5, 1958; lowest, 10.18 ft (3.10 m) below land surface, June 10, 1967.
MEASUREMENT FOR CURRENT YEAR.--Apr. 14, 1982, 8.59 ft (2.62 m) below land surface.

355323089552101. Local number 15N11E28CAC1.
LOCATION.--Lat 35°53'23", long 89°55'21", Hydrologic Unit 08010100, at Dogwood.
Owner: Dogwood Community Water Association, Inc.
AQUIFER.--Sand, Wilcox Group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in (0.20 m), depth 1,400 ft (427 m), cased 0-1,337 ft (0-408 m), sreened 1,337 -1,400 ft (400-427 m).
DATUM.--Land surface, 250 ft (76 m) National Geodetic Vertical Datum of 1929. Measuring point: remove pressure gage, 2.00 ft (0.61 m) above land surface.
REMARKS.--Water-quality records for June 1956, June 1970, and April 1975 are available in files of district office. Water-level measurement discontinued.
PERIOD OF RECORD.--March 1968 to April 1972.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.90 ft (4-24 m) below land surface, Apr. 11, 1968; lowest, 19.89 ft (6.06 m) below land surface, Apr. 14, 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
JUN 21...	1515	80513	80010	208	7.0	24.0	15	30	8.3	2.2	31

DATE	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
JUN 21...	67	2.6	3.2	97	11	1.3	.1	10	117	<.10	.250

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	BORON, DISSOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
JUN 21...	.30	.150	.46	70	4200	1100	3100	160	50	110

MONROE COUNTY

344135091165101. Local number, 01N03W24BBB1.
LOCATION.--Lat 34°41'35", long 91°16'51", Hydrologic Unit 08020303, near Clarendon.
Owner: B. B. Bateman.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 14-6 in (0.36-0.15 m), depth 108 ft (33 m).
DATUM.--Land surface, 185 ft (56 m) National Geodetic Vertical Datum of 1929. Measuring point: Cut out in casing, north side, 1.00 ft (0.30 m) above land surface.
PERIOD OF RECORD.--January 1957, February 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.40 ft (5.30 m) below land surface, Apr. 16, 1962; lowest, 24.60 ft (7.50 m) below land surface, Nov. 16, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 19, 1982, 24.43 ft (7.45 m) below land surface.

NEVADA COUNTY

334756093231801. Local number, 11S22W08DAC1.
LOCATION.--Lat 33°47'56", long 93°23'18", Hydrologic Unit 08040103, at Prescott (city well No. 1).
Owner: City of Prescott.
AQUIFER.--Tokio Formation of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 11-6 in (0.28-0.15 m), depth 1,052 ft (321 m), cased 0-1,002 ft (0-305 m), screened 1,002-1,052 ft (305-321 m).
DATUM.--Land surface, 305 ft (93 m) National Geodetic Vertical Datum of 1929. Measuring point: 2-in (0.05-m) plug in concrete base, 2.00 ft (0.61 m) above land surface.
REMARKS.--Water-quality records for June 1972 are available in files of district office.
PERIOD OF RECORD.--February 1970 to current year.
EXTREMES FOR PERIOD OF REORD.--Highest water level measured, 94.05 ft (28.67 m) below land surface, Mar. 23, 1972; lowest, 170.33 ft (51.92 m) below land surface, Mar. 31, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1982, 136.71 ft (41.67 m) below land surface.

334759093231301. Local number, 11S22W08DAC2.
LOCATION.--Lat 33°47'59", long 93°23'13", Hydrologic Unit 08040103, at Prescott (city well No. 4).
Owner: City of Prescott.
AQUIFER.--Nacatoch Sand of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-12 in (0.41-0.30 m), depth 232 ft (71 m), cased 0-172 ft (0-52 m), screened 172-232 ft (52-71 m).
DATUM.--Land surface, 306 ft (93 m) National Geodetic Vertical Datum of 1929. Measuring point: 1-in (0.03-m) pipe on northeast side of concrete base, 1.70 ft (0.52 m) above land surface.
REMARKS.--Water-quality records for June 1981 are available in files of district office.
PERIOD OF RECORD.--May 1973 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 101.79 ft (31.03 m) below land surface, Mar. 27, 1980; lowest, 138.42 ft (42.19 m) below land surface, Apr. 9, 1974.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1982, 108.79 ft (33.16 m) below land surface.

OUACHITA COUNTY

334018092594801. Local number, 12S18W19CDC1.
LOCATION.--Lat 33°40'18", long 92°59'48", Hydrologic Unit 08040102, near Bragg City.
Owner: U.S. Geological Survey.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in (0.05 m), depth 120 ft (37 m), cased 0-117 ft (0-36 m), screened 117-120 ft (36-37 m).
DATUM.--Land surface, 235 ft (72 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.60 ft (1.10 m) above land surface.
REMARKS.--Water-quality records for 1957 and 1958 available in files of district office.
PERIOD OF RECORD.--November 1958 to March 1962, March 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.71 ft (13.02 m) below land surface, Mar. 31, 1975; lowest, 53.20 ft (16.22 m) below land surface, Oct. 1, 1970.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1982, 46.57 ft (14.19 m) below land surface.

334215092413201. Local number, 12S16W12ADB1.
LOCATION.--Lat 33°42'15", long 92°41'32', Hydrologic Unit 08040102, near Eagle Mills.
Owner: J. S. J. Lyle Estate.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (0.30 m), depth 300 ft (91 m).
DATUM.--Land surface, 159 ft (48 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft (0.46 m) above land surface.
PERIOD OF RECORD.--October 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.48 ft (6.24 m) below land surface, May 15, 1962; lowest, 30.27 ft (9.23 m) below land surface, Apr. 5, 1968.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1982, 26.77 ft (8.16 m) below land surface.

PHILLIPS COUNTY

341534090563001. Local number, 05S02E18BDA1.
LOCATION.--Lat 34°15'34", long 90°56'30", Hydrolgic Unit 08020303, near Ratio.
Owner: Brooks Griffith.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in (0.30 m), depth 130 ft (40 m).
DATUM.--Land surface, 156 ft (48 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in northeast side of pump, 1.50 ft (0.46 m) above land surface.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.00 ft (2.44 m) below land surface, Apr. 17, 1961; lowest, 22.53 ft (6.87 m) below land surface, Nov. 16, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 19, 1982, 17.28 ft (5.27 m) below land surface.

342910090363401. Local number, 02S05E29CBC1.
LOCATION.--Lat 34°29'30", long 90°36'34", Hydrologic Unit 08020303, near Helena.
Owner: Allied Chemical Co., formerly Gardinier-Big River Inc.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled industrial artesian well, diameter 16 in (0.41 m), depth 377 ft (115 m), cased 0-298 ft (0.91 m), screened 298-358 ft (91-109 m).
DATUM.--Land surface, 179 ft (55 m) National Geodetic Vertical Datum of 1929.
REMARKS.--This well replaced 02S05E29CCC1 for quality-water records.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
JUN 22...	0900	80513	80010	819	7.2	17.5	5	270	65	25	61

342910090363401--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
JUN 22...	33	1.8	2.0	400	2.0	24	.3	22	442	<.10	.180

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	BORON, DISSOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
JUN 22...	.40	.130	.40	140	2300	300	2000	550	90	460

342856090363601. Local number, 02S05E29CCC1.
LOCATION.--Lat 34°28'56", long 90°36'36", Hydrologic Unit 08020303, near Helena.
Owner: Allied Chemical Co., formerly Gardinier-Big River Inc.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 12 in (0.30 m), depth 308 ft (94 m), cased 0-278 ft (0-85 m), screened 278-308 ft (85-94 m).
DATUM.--Land surface, 179 ft (55 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land surface.
REMARKS.--Water-quality records for June 1970 and March 1975 are available in files of district office.
PERIOD OF RECORD.--February 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.93 ft (7.60 m) below land surface, Apr. 26, 1982; lowest, 98.13 ft (29.91 m) below land surface, July 13, 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	46.43	42.65	42.33	40.27	35.30	32.51	27.48	28.17	26.20	29.93	33.07	32.37
10	46.00	45.20	41.70	39.55	34.60	27.74	27.45	26.07	28.24	29.99	33.08	34.74
15	45.44	44.93	41.80	38.69	33.75	29.27	28.03	26.07	28.61	30.42	32.24	32.41
20	45.71	45.62	41.58	37.87	32.96	29.54	27.65	28.09	27.82	30.58	33.00	32.07
25	42.68	44.48	41.22	37.00	32.12	28.65	25.41	28.81	28.90	30.91	32.71	31.65
EOM	42.38	41.15	40.96	36.17	32.58	27.72	27.08	26.32	29.86	31.68	32.82	31.55

WTR YR 1982 MAX 24.93 APR. 26, 1982 MIN 52.62 OCT. 2, 1982

343108090462601. Local number, 02S03E15ACD1.
LOCATION.--Lat 34°31'08", long 90°46'26", Hydrologic Unit 08020304, near Barton.
Owner: Don R. Dearing.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in (0.46 m), depth 112 ft (34 m).
DATUM.--Land surface, 147 ft (45 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land surface.
PERIOD OF RECORD.--March 1955, January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.61 ft (1.41 m) below land surface, Apr. 25, 1973; lowest, 17.44 ft (5.32 m) below land surface, Aug. 11, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.90	15.74	15.64	15.56	14.70	13.30	12.18	10.81	13.57	14.36	17.10	15.70
10	15.95	15.74	15.63	15.55	14.20	13.28	12.11	11.12	15.25	15.82	17.08	14.91
15	15.99	15.69	15.63	15.49	13.84	13.25	12.05	11.82	14.65	16.28	15.65	14.47
20	15.90	15.70	15.64	15.47	13.59	13.17	11.31	12.05	15.32	15.77	15.68	14.29
25	15.84	15.66	15.64	15.15	13.53	12.83	11.06	11.98	16.15	16.70	16.48	14.33
EOM	15.79	15.62	15.62	14.93	13.30	12.81	10.71	11.56	14.68	17.00	16.06	14.51

WTR YR 1982 MAX 10.59 MAY 2, 1982 MIN 17.44 AUG. 11, 1982

352930090582501. Local number, 10N01E15DBB1.
LOCATION.--Lat 35°29'30", long 90°58'25", Hydrologic Unit 08020205, at Fisher.
Owner: City of Fisher.
AQUIFER.--Memphis aquifer of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 6 in (0.15 m), depth 302 ft (92 m), cased 0-260 ft (0-79 m), screened 260-302 ft (79-92 m).
DATUM.--Land surface, 232 ft (71 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening south, side of pump, 1.80 ft (0.55 m) above land surface.
REMARKS.--Water-quality records for June 1970, March 1975, are available in files of district office.
PERIOD OF RECORD.--March 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.20 ft (15.00 m) below land surface, Apr. 8, 1968; lowest, 67.84 ft (20.68 m) below land surface, Apr. 6, 1982.
MEASUREMENT FOR CURRENT YEAR.--Apr. 6, 1982, 67.84 ft (20.68 m) below land surface.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
JUN 21...	0945	80513	80010	568	7.4	6.0	5	180	48	14	48

DATE	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
JUN 21...	37	1.7	3.2	270	<1.0	14	.2	18	312	<.10	.370

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	BORON, DISSOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE) (01044)	IRON, DISSOLVED (UG/L AS FE) (01046)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, SUSPENDED RECOV. (UG/L AS MN) (01054)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
JUN 21...	<.10	.300	.92	60	2100	300	1800	180	30	150

PRAIRIE COUNTY

343639091335201. Local number, 01S05W20ABB1.
LOCATION.--Lat 34°36'39", long 91°33'52", Hydrologic Unit 08020303, near Stuttgart.
Owner: Mike Prislovsky.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in (0.30-0.20 m), depth 632 ft (193 m), cased 0-545 ft (0-166 m), screened 545-632 ft (166-193 m).
DATUM.--Land surface, 220 ft (67 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 1.00 ft (0.30 m) above land surface.
REMARKS.--Water-quality records for 1961 available in files of district office.
PERIOD OF RECORD.--April 1937, April 1942, May 1947, October 1949 to current year.
EXTREMES FOR PEROD OF RECORD.--Highest water level measured, 50.43 ft (15.37 m) below land surface, Apr. 29, 1938; lowest 135.32 ft (41.25 m) below land surface, Mar. 27, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1982, 134.40 ft (40.97 m) below land surface.

344644091382801. Local number, 02N06W21DAD1.
LOCATION.--Lat 34°46'44", long 91°38'28", Hydrologic Unit 08020303, near Carlisle.
Owner: E. O. Hansen, Estate.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-12 in (0.46-0.30 m), depth 314 ft (96 m), cased 0-254 ft (0-77 m), screened 254-314 ft (77-96 m).
DATUM.--Land surface, 235 ft (72 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 2.00 ft (0.61 m) above land surface.
REMARKS.--Water-quality records for 1961 available in files of district office.
PERIOD OF RECORD.--July 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 83.88 ft (25.57 m) below land surface, Mar. 20, 1963; lowest, 114.67 ft (34.95 m) below land surface, May 22, 1967.
MEASUREMENT FOR CURRENT YEAR.--Mar. 19, 1982, 103.69 ft (31.60 m) below land surface.

345843091344601. Local number, 04N05W07CDC1.
LOCATION.--Lat 34°58'43", long 91°34'46", Hydrologic Unit 08020301, near Des Arc.
Owner: Fred Rodgers.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 18-12 in (0.46-0.30 m).
DATUM.--Land surface, 212 ft (65 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 0.50 ft (0.15 m) above land surface.
PERIOD OF RECORD.--December 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.-Highest water level measured, 47.73 ft (14.55 m) below land surface, Apr. 2, 1968; lowest, 60.63 ft (18.48 m) below land surface, Mar. 22, 1982.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1982, 60.63 ft (18.48 m) below land surface.

ST. FRANCIS COUNTY

345848090521903. Local number, 04N02E03DDD3.
LOCATION.--Lat 34°58'48", long 90°52'19", Hydrologic Unit 08020205, near Palestine at Hamilton Moses Plant (plant well No. 3).
Owner: Arkansas Power and Light Co.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled industrial artesian well, diameter 16 in (0.41 m), depth 151 ft (46 m).
DATUM.--Land surface, 210 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in southwest side of pump base, 3.00 ft (0.91 m) above land surface.
REMARKS.--Water-quality records for 1961 available in files of district office.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.23 ft (7.69 m) below land surface, June 29, 1961; lowest, 31.54 ft (9.61 m) below land surface, Mar. 15, 1982.
MEASUREMENT FOR CURRENT YEAR.--Mar. 15, 1982, 31.54 ft (9.61 m) below land surface.

350029090265801. Local number, 05N06E34CAB1.
LOCATION.--Lat 35°00'29", long 90°26'58", Hydrologic Unit 08020203, near Greasy Corner.
Owner: C. D. Brown.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 12-10 in (0.30-0.25 m), depth 110 ft (34 m).
DATUM.--Land surface, 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 1.70 ft (0.52 m) above land surface.
REMARKS.--Water-quality records for 1961 available in files of district office.
PERIOD OF RECORD.--April 1955, February 1961, March 1962, July 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.59 ft (5.06 m) below land surface, Mar. 31, 1975; lowest, 26.13 ft (7.96 m) below land surface, Mar. 18, 1966.
MEASUREMENT FOR CURRENT YEAR.--Mar. 17, 1982, 23.98 ft (7.31 m) below land surface.

SEVIER COUNTY

335808094100101. Local number, 09S30W23BDD1.
LOCATION.--Lat 33°58'08", long 94°10'01", Hydrologic Unit 11140109, at Lockesburg.
Owner: City of Lockesburg.
AQUIFER.--Trinity Group of Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (0.30 m), depth 197 ft (60 m).
DATUM.--Land surface, 440 ft (134 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land surface.
PERIOD OF RECORD.--November 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.17 ft (4.32 m) below land surface, Apr. 17, 1968; lowest, 81.76 ft (24.92 m) below land surface, Apr. 5, 1978.
MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1982, 77.24 ft (23.54 m) below land surface.

335806094100102. Local number, 09S30W23BDD2.
LOCATION.--33°58'06", long 94°10'01", Hydrologic Unit 11140109, at Lockesburg (city well No. 2).
Owner: City of Lockesburg.
AQUIFER.--Trinity Group of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (0.30 m), depth 195 ft (59 m), screened 175-195 ft (53-59 m).
DATUM.--Land surface, 440 ft (134 m) National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1972, and February 1977 are available in files of district office.

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
JUN 23...	1100	80513	80010	70	6.1	19.5	<1	19	4.4	1.9	4.2

335806094100102--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982

DATE	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
JUN 23...	32	.5	.8	11	2.0	6.9	<.1	14	50	1.3	.040

DATE	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	BORON, DIS-SOLVED (UG/L AS B) (01020)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	IRON, SUS-PENDED RECOV-ERABLE (UG/L AS FE) (01044)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MANGA-NESE, SUS-PENDED RECOV. (UG/L AS MN) (01054)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
JUN 23...	<.10	.010	.03	40	80	50	26	10	3	7

UNION COUNTY

330107092432301. Local number, 19S16W35DDC1.
LOCATION.-Lat 33°01'07", long 92°43'23", Hydrologic Unit 08040206, at Junction City.
Owner: Junction City.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10-8 in (0.25-0.20 m), depth 601 ft (183 m), cased 0-546 ft (0-166 m), screened 546-601 ft (166-183 m).
DATUM.--Land surface, 175 ft (53 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in (0.05-m) pipe, south side of pump base, 1.50 ft (0.46 m) above land surface.
PERIOD OF RECORD.--November 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 182.33 ft (55.57 m) below land surface, Nov. 11, 1967; lowest, 213.58 ft (65.10 m) below land surface, Mar. 30, 1978.
MEASUREMENTS FOR CURRENT YEAR.--Mar. 31, 1982, 210.26 ft (64.09 m) below land surface.

330228092110101. Local number, 19S10W19CCD1.
LOCATION.--Lat 33°02'28", long 92°11'01", Hydrologic Unit 08040202, at Huttig.
Owner: City of Huttig.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in (0.20 m), depth 770 ft (235 m), cased 0-700 ft (0-213 m), screened 700-770 ft (213-235 m).
DATUM.--Land surface, 98 ft (30 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, north side, 1.50 ft (0.46 m) above land surface.
REMARKS.--Water-quality records for 1946 available in files of district office.
PERIOD OF RECORD.--December 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.35 ft (18.70 m) below land surface, May 10, 1966; lowest, 90.42 ft (27.56 m) below land surface, April 1, 1982.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 1, 1982, 90.42 ft (27.56 m) below land surface.

331358092424301. Local number, 17S16W24BDB1.
LOCATION.--Lat 33°13'58", long 92°42'43", Hydrologic Unit 08040201, at El Dorado (city well No. 17).
Owner: City of El Dorado.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 18-8 in (0.46-0.20 m), depth 615 ft (187 m), cased 0-493 ft (0-150 m), screened 493-615 ft (150-187 m).
DATUM.--Land surface, 205 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 2.00 ft (0.61 m) above land surface.
REMARKS.--Water-quality records for June 1972, August 1977, and June 1981 are available in files of district office.
PERIOD OF RECORD.--April 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 339.29 ft (103.42 m) below land surface, Apr. 10, 1973; lowest, 367.38 ft (111.98 m) below land surface, Mar. 21, 1980.
MEASUREMENTS FOR CURRENT YEAR.--Mar. 31, 1982, 359.93 ft (109.71 m) below land surface.

331438092411901. Local number, 17S15W18DBB1.
LOCATION.--Lat 33°14'38", long 92°41'19", Hydrologic Unit 08040201, near El Dorado (company detector well No. 8A).
Owner: Monsanto Chemical Co.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in (0.20 m), depth 540 ft (165 m), cased 0-520 ft (0-158 m), screened 520-540 ft (158-165 m).
DATUM.-Land surface, 182.93 ft (55.76 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft (0.61 m) above land surface.
PERIOD OF RECORD.--July 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 269.70 ft (82.20 m) below land surface, Apr. 20, 1956; lowest, 357.51 ft (108.97 m) below land surface, July 30, 1966.

331438092411901--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
MEAN VALUE

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	341.59	336.32	336.28	334.06	336.67	333.50	331.61	332.49	334.60	335.35	339.74	340.43
10	340.42	336.32	336.19	333.26	336.28	333.27	332.39	331.23	336.17	338.38	340.50	340.26
15	337.97	336.32	336.30	335.74	335.97	333.13	332.38	333.39	335.50	339.94	340.55	339.31
20	336.77	336.31	335.92	338.56	335.41	332.92	332.14	333.69	335.34	340.18	340.55	338.79
25	336.98	336.25	334.41	337.79	334.93	332.35	332.68	333.49	335.34	340.16	340.55	339.41
EOM	336.42	336.38	334.51	336.78	333.75	331.88	332.98	333.38	335.34	340.34	340.60	339.56

WTR YR 1982 MAX 331.51 APR. 5, 1982 MIN 341.59 OCT. 3-8, 1981

330855092505601. Local number 18S17W22BDD1.
LOCATION.--Lat 33°08'55", long 92°50'56', Hydrologic Unit 08040206, near Shuler.
Owner: H. G. KcKennon.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (0.25 m), depth 705 ft (215 m), cased 0-605 ft (0-184 m), screened 605-705 ft (184-215 m).
DATUM.--Land surface, 285 ft (87 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.20 ft (0.37 m) above land surface.
PERIOD OF RECORD.--April 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 315.37 ft (96.12 m) below land surface, Apr. 3, 1968; lowest, 341.54 ft (104.10 m) below land surface, Sept. 30, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR 1981 TO SEPTEMBER 1982
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	341.11	340.80	340.69	339.86	340.26	339.79	339.43	339.64	339.60	339.65	340.41	341.08
10	340.85	340.87	338.07	340.07	340.31	339.71	339.62	339.62	339.70	339.70	340.51	341.14
15	340.90	340.70	340.44	339.85	340.12	339.50	339.49	339.66	339.65	339.82	340.59	341.28
20	340.90	340.80	340.46	339.94	340.04	339.48	339.54	339.63	339.59	339.94	340.77	341.32
25	340.77	340.70	339.48	340.02	340.11	339.61	339.48	339.61	339.59	340.14	340.86	341.38
EOM	340.84	340.47	339.82	340.06	340.01	339.56	339.62	339.49	339.59	340.30	340.93	341.51

WTR YR 1981 MAX 339.17 MAR. 4, 1981 MIN 341.07 SEPT. 28, 1981

WOODRUFF COUNTY

351657091203101. Local number, 08N03W31AAD1.
LOCATION.--Lat 35°16'57", long 91°20'31", Hydrologic Unit 08020302, near Augusta.
Owner: E. B. Conner.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 14 in (0.36 m), depth 110 ft (34 m), cased 0-80 ft (0-24 m), screened 80-110 ft (24-34 m).
DATUM.--Land surface, 212 ft (65 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of casing, 1.00 ft (0.30 m) above land surface.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.07 ft (4.90 m) below land surface, Dec. 10, 1959; lowest, 22.94 ft (6.99 m) below land surface, Sept. 26, 1963.
MEASUREMENT FOR CURRENT YEAR.--Apr. 8, 1982, 21.59 ft (6.58 m) below land surface.

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October 1, 1978

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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