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Water Resources Data Arkansas Water Year 1983



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Prepared in cooperation with the Arkansas Geological Commission and with other State and Federal agencies

CALENDAR FOR WATER YEAR 1983

1982

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Water Resources Data Arkansas

Water Year 1983

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



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AR-83-1
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

1984

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 datacollection 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:

T. H. Brossett
R. V. Childers
J. C. Cottingham
D. A. Evans
J. H. Garrett
R. C. Gilstrap
A. P. Hall
C. K. Heavener
T. W. Holland
J. A. Jones
R. K. Knott
A. L. Meeker
M. A. Moore
C. E. O'Dell
T. E. Porter
L. M. Remsing
J. S. Spencer
L. J. Thompson
K. Young

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Water resources data for the 1983 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 53 gaging stations; water quality for 148 stations, 49 partial-record stations, 25 observation wells; and water levels for 97 observation wells. Also included are data for 100 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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WATER RESOURCES DATA FOR ARKANSAS, 1983

INTRODUCTION

Water resources data for the 1983 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 53 gaging stations; water quality for 148 stations, 49 partial-record stations, and 25 observation wells; and water levels for 97 observation wells. Also included are data for 100 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-83-1." 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, Phyllis J. Garnett, 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 above normal for the 1983 water year. Storms on December 2 and 3, 1982, which produced 10 to 14 inches of rainfall in less than 24 hours, caused severe flooding in west-central, north-central and northeastern Arkansas. Maximum stage for the period of record was established at 14 continuous-record gaging stations and 21 partial-record gaging stations. Peak discharges exceeding the 100-year recurrence interval occurred at several gaging stations. Six gaging stations were severely damaged or destroyed. The peak stage at the northern index station, Buffalo River near St. Joe, was 53.75 ft, which was 3.25 ft higher than the peak of 50.5 ft that occurred in August 1915.

Additional storms on December 26-27 produced 4 to 7 inches of rainfall in south-central and southeast Arkansas. Severe flooding was experienced in the city of Pine Bluff where two lives were lost. The peak discharge at the gaging stations on Moro Creek near Fordyce, in south-central Arkansas, exceeded the 40-year recurrence interval.

Forty of Arkansas' 75 counties were declared disaster areas due to flood and tornado damage in early December. Damage estimates exceeded 350 million dollars.

Runoff at the index station on the Buffalo River near St. Joe, which is representative of north Arkansas, was 168 percent of median for the period of record, being excessive for two months and normal for ten months.

Runoff at the index station on the Saline River near Rye, which is representative of south Arkansas, was 175 percent of median for the period of record, being excessive three months, deficient for two 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.

Both point and non-point sources adversely affect the suitability of surface water for drinking, recreation, and aquatic life. The highly agriculturalized Delta Region of the state is particularly susceptible to non-point source effects due to current farming practices.

The Ozark Highlands Region, with its rapid population growth rate, is being affected by both point and non-point sources. Principal point sources are wastewater treatment plants. Principal non-point source contributions are related to farming practices in the region. Of particular concern in this Region are the upper White River, Illinois River, and Beaver Lake. The Gulf Coastal Plain Region of southern Arkansas continues to be affected by point sources. Most of these sources are related to oil and gas production.

The Arkansas River Valley Region continues to have streams affected by coal mining. The Arkansas River continues to be considered as a source of water for public supply and irrigation. Seepage from naturally occurring salt deposits in Kansas and Oklahoma, which increase the salinity of the river, may make the river unsuitable for most uses during low flows. Municipal and industrial discharge to the river may contribute wastes and chemicals that affect its potability although storage effects of the Arkansas River Navigation System and tributary dams may have moderated the effects of inflowing pollutants.

Selected water-quality constituents are shown below for sampling sites on some principal streams in the State. Concentrations of the constituents for the 1983 water year are compared to concentrations for the period of record to indicate if significant changes in water quality occurred.

The highest dissolved-solids concentration found in the major streams in 1983 was 728 mg/L in the Red River at Index. This concentration is considered normal for this station. Dissolved-solids concentrations, in milligrams per liter, are shown in the following table:

	1983		Period of Record	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	243	295	153	339
St. Francis Bay at Riverfront	62	290	55	290
Cache River at Patterson	--	--	41	242
White River at Clarendon	118	181	38	349
Arkansas River at David D. Terry Lock and Dam below Little Rock	141	498	117	600
Red River at Index	209	728	157	1260
Ouachita River at Camden	44	58	30	193

The highest dissolved-chloride concentration found in 1983 was 190 mg/L in the Red River at Index. 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:

	1983		Period of Record	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	14	22	7.9	30
St. Francis Bay at Riverfront	3.0	11.0	0.1	13
Cache River at Patterson	5.5	13	1.7	16
White River at Clarendon	3.0	5.0	.8	70
Arkansas River at David D. Terry Lock and Dam below Little Rock	33	160	13	220
Red River at Index	27	190	23	405
Ouachita River at Camden	3.4	9.1	3.1	79

The lowest dissolved-oxygen concentration of 4.3 mg/L was found in the Cache River at Patterson. This dissolved-oxygen concentration did not meet the State standard of 5 mg/L for those waters designated as warm water fisheries. Dissolved-oxygen concentrations, in milligrams per liter, are shown in the following table:

	1983		Period of record	
	Minimum	Maximum	Minimim	Maximum
Mississippi River at Memphis, Tennessee	7.0	11.8	6.1	13.3
St. Francis Bay at Riverfront	5.2	11.0	4.5	13.8
Cache River at Patterson	4.3	7.6	1.5	13.4
White River at Clarendon	6.2	10.6	5.3	12.8
Arkansas River at David D. Terry Lock and Dam below Little Rock	7.2	11.6	5.5	13.9
Red River at Index	7.3	10.4	6.1	12.1
Ouachita River at Camden	6.4	10.2	4.7	12.7

The Mississippi River at Memphis, Tennessee had a suspended-sediment concentration during 1983 that was below the minimum for the period of record. Suspended-sediment concentrations, in milligrams per liter, are shown in the following table:

	1983		Period of record	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	24	191	25	740
St. Francis Bay at Riverfront	30	658	21	958
Cache River at Patterson	--	--	52	220
White River at Clarendon	42	98	8	337
Arkansas River at David D. Terry Lock and Dam below Little Rock	16	298	2	644
Red River at Index	41	468	20	8820
Ouachita River at Camden	12	30	11	639

Ground Water

Ground-water levels in the Quaternary deposits in 14 counties west of Crowleys Ridge in the Cache and L'Anguille basins in northeastern Arkansas rose 1 to 2 feet from the previous year.

The regional gradient in the water table in the deposits of Quaternary age is southward from an altitude of about 280 feet above sea level in the northeastern part of the State to about 100 feet in the southeastern part. The normal gradient 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. The cone of depression reaches as low as 95 feet above sea level in Arkansas County. Water levels are as much as 115 feet below land surface in Arkansas County. Water levels in the alluvium west of Crowleys Ridge in Poinsett and Cross Counties are about 118 feet below land surface.

Water levels in the Sparta Sand of Tertiary age declined about 2 feet in the Grand Prairie from the previous year and declined as much as 3.5 feet in the El Dorado area. Water levels at Magnolia and Pine Bluff declined about 3.5 feet in the industrial areas. Elsewhere in the state, water levels in the Sparta Sand or Memphis Sand aquifer rose about 2 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 161 and 22 feet below sea level, respectively. Water levels are more than 433 feet below land surface in places near El Dorado. At Pine Bluff, water levels in places are at an altitude of 51 feet below sea level or approximately 255 feet below land surface.

Ground-Water Quality

Arkansas has vast quantities of ground water of good quality. At some locations ground water must be treated for human consumption and for industrial use. In an attempt to detect longterm 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 Quaternary alluvium and Sparta Sand. Water samples are collected from all monitoring wells at 5-year intervals. Sampling schedules are staggered so that 5 or 6 wells are sampled each year.

In 1983, six wells were sampled, one in the Cockfield Formation of Eocene age, two in the alluvium of Quaternary age, one from the Tokio Formation of Cretacious age, and two in the Sparta Sand 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 16.

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

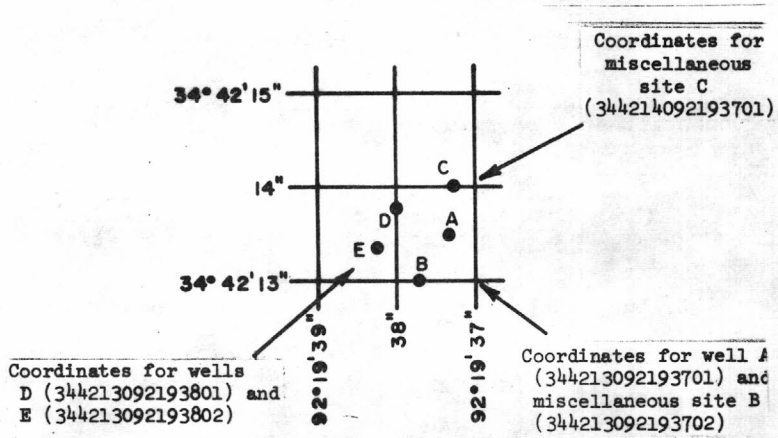
Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream 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 station 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

REVISIONS--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological water-quality data are encouraged to obtain all required data from the appropriate computer file to insure the most recent updates.

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 97 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.

Access to WATSTORE Data

The National WATer Data STOrage and REtrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from each of the Water Resources Division's district offices (see address given on back of the title page).

General inquiries about WATSTORE may be directed to:

Chief Hydrologist
U.S. Geological Survey
437 National Center
Reston, Virginia 22092

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.

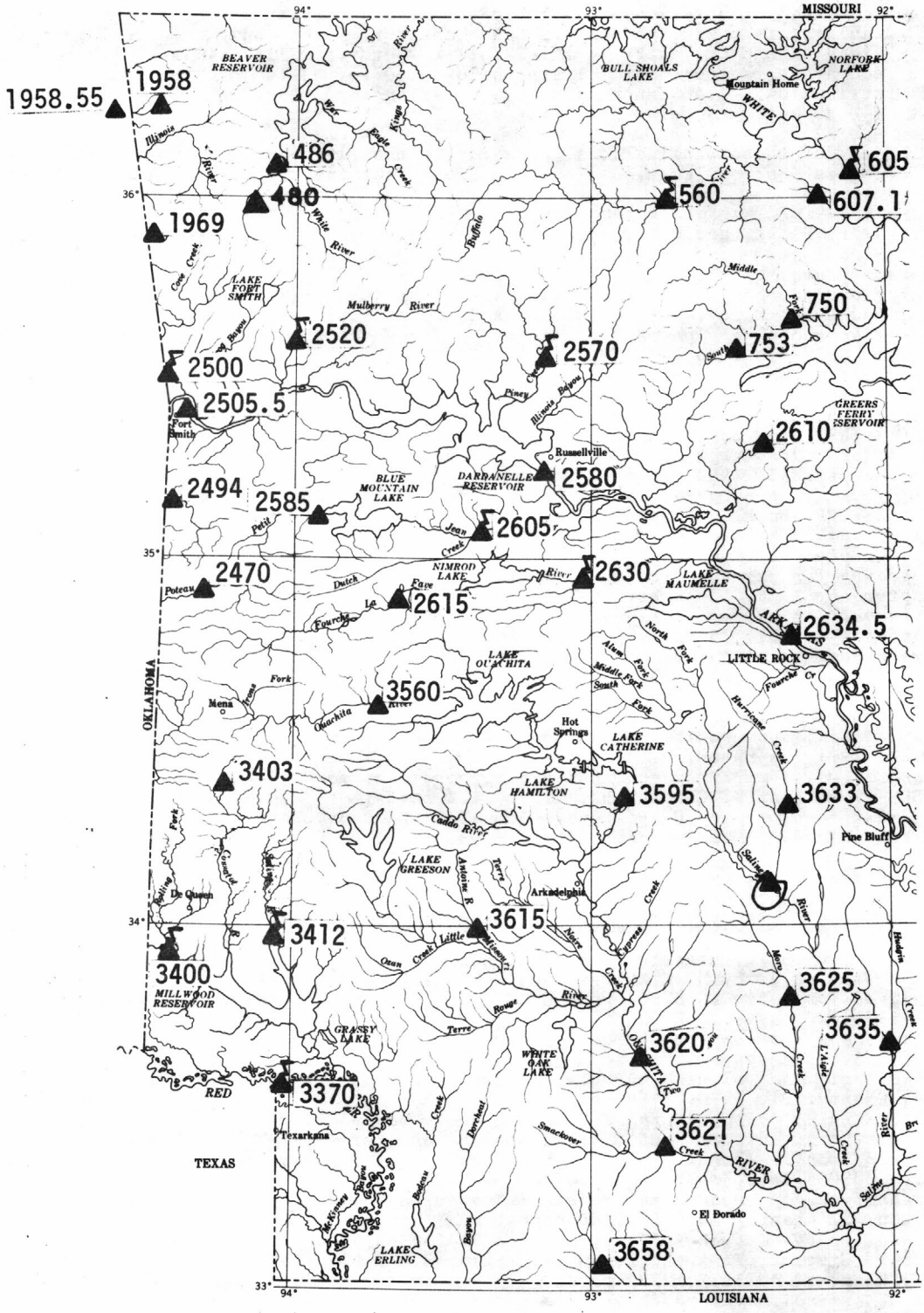


Figure 1.--Locations of continuous-record gaging stations in western Arkansas.

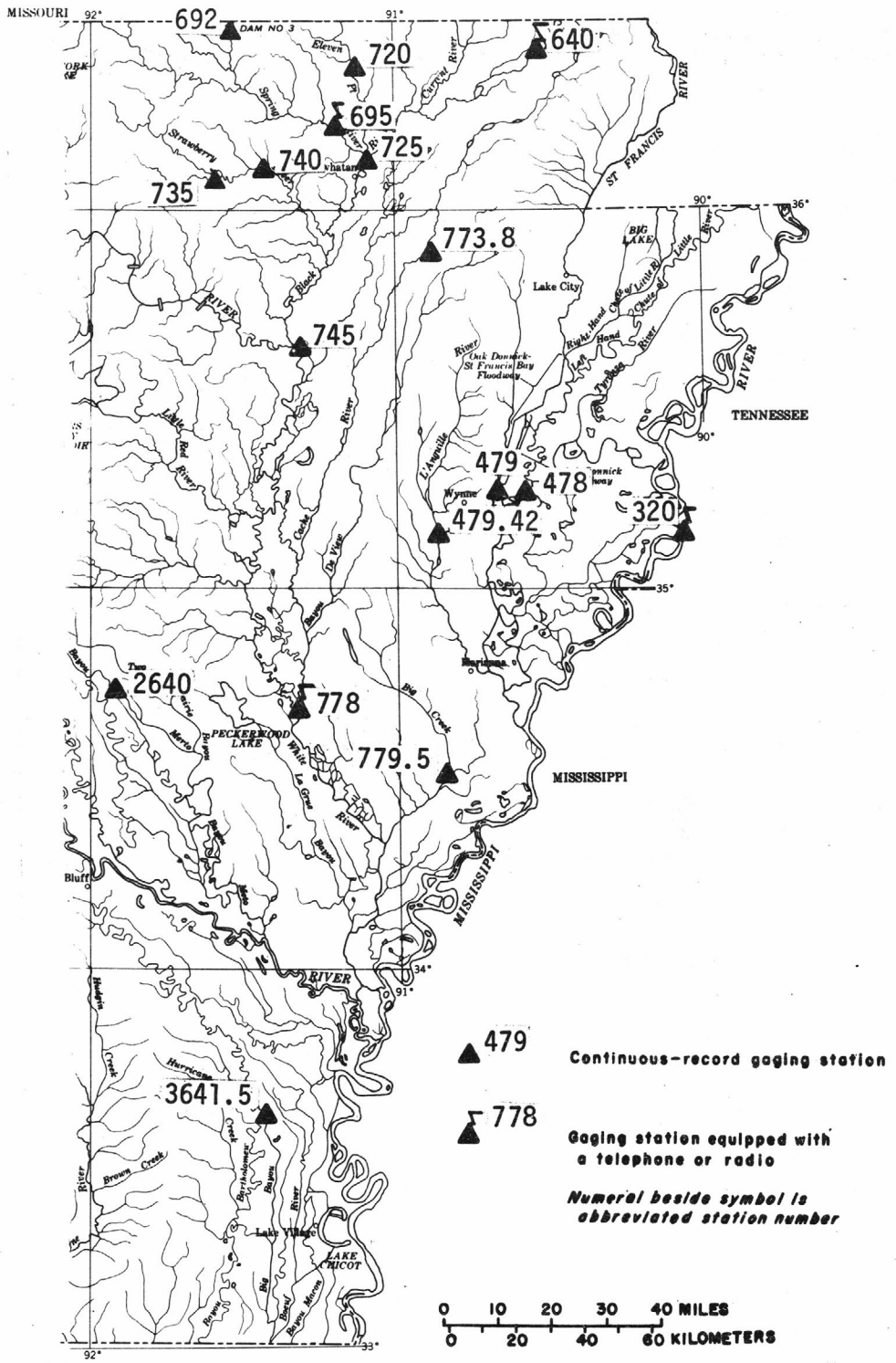


Figure 2.--Locations of continuous-record gaging stations in eastern Arkansas.

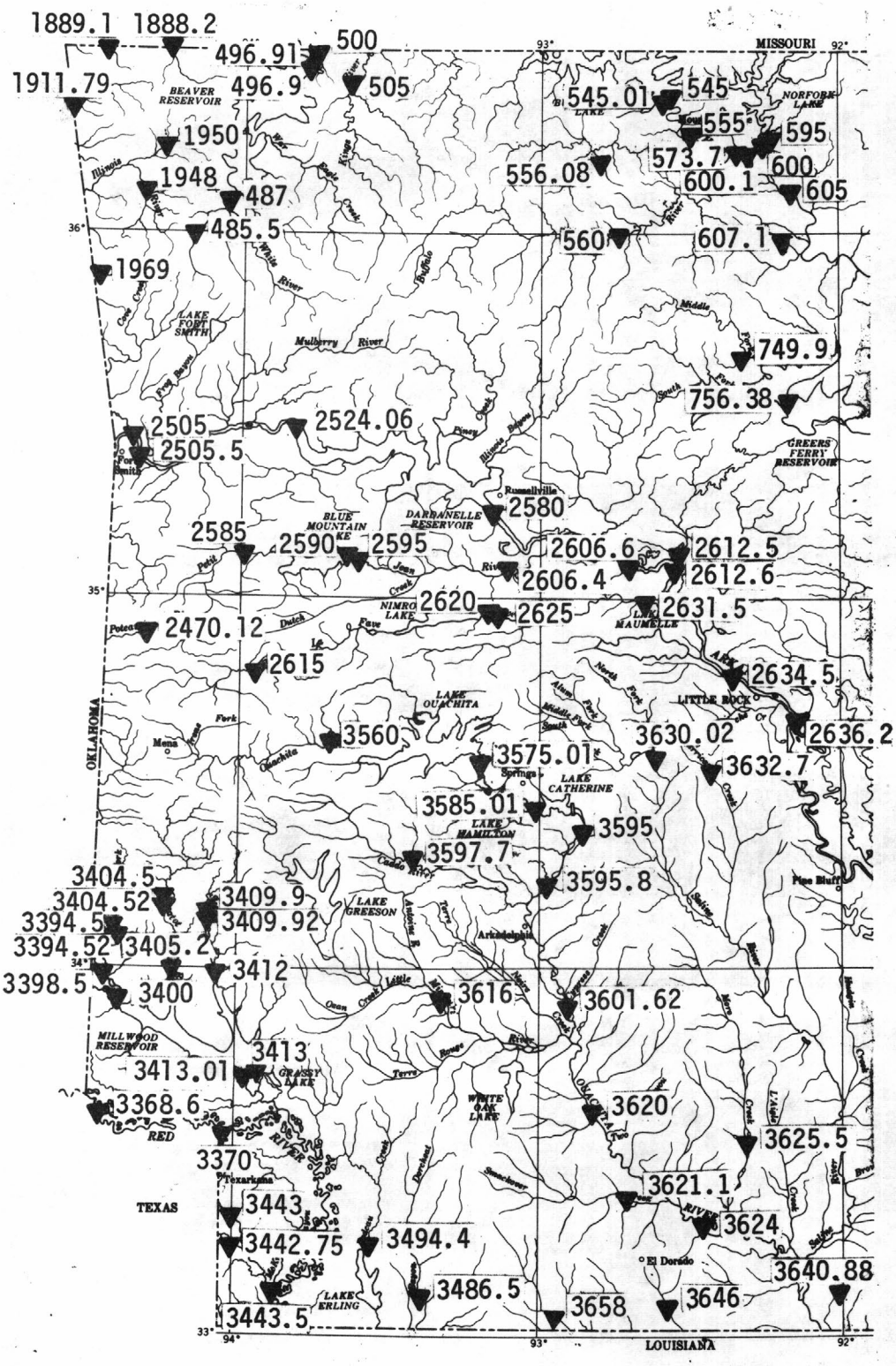


Figure 3.--Locations of water-quality stations in western Arkansas.

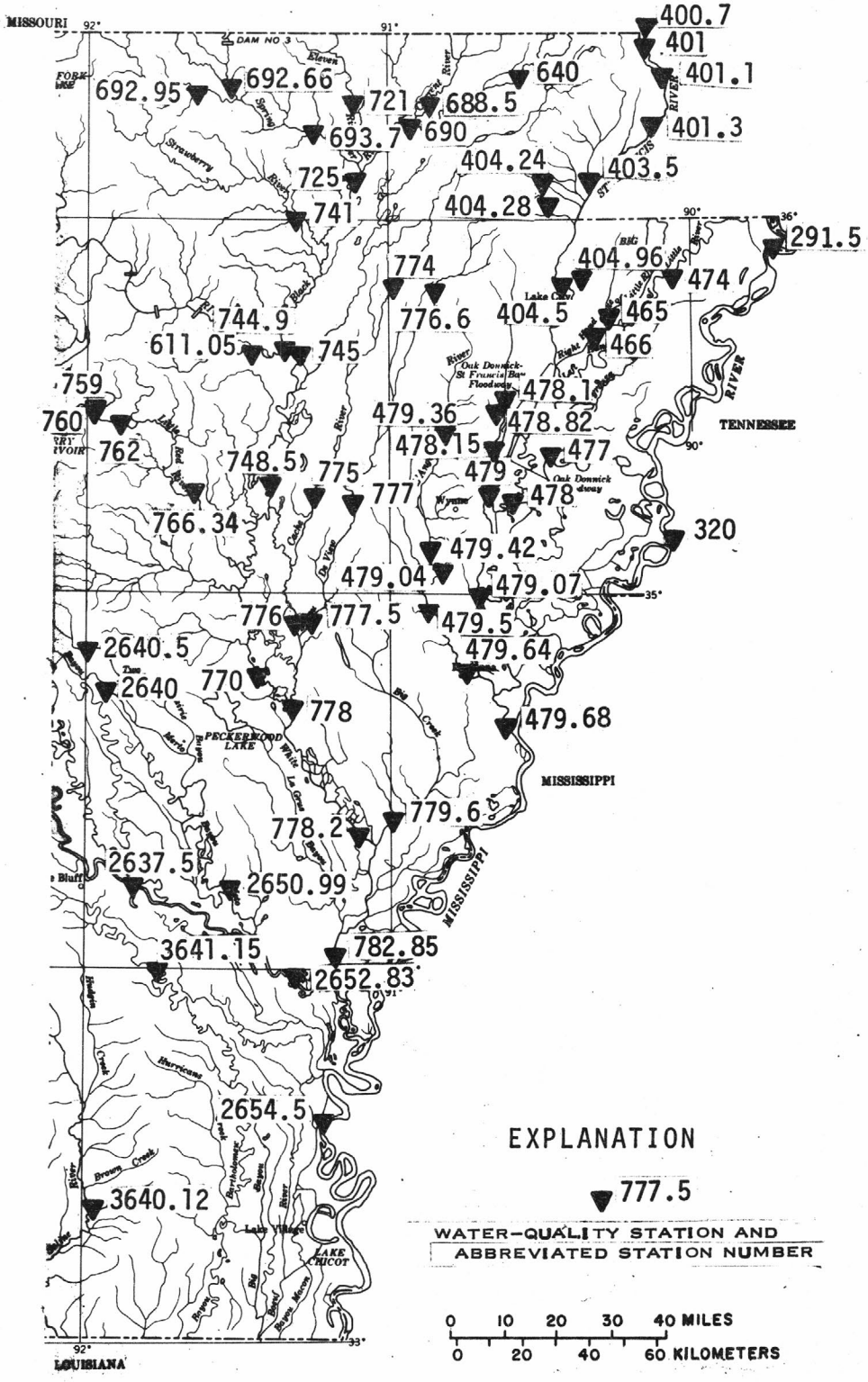


Figure 4.--Locations of water-quality stations in eastern Arkansas.

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 southeast of the east end of State Highway 18, 0.4 mi southeast of Barfield, and at mile 810.4.

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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...	1200	0	9827	9827	8.1	14.0	20.0	25	7.8	85
NOV 09...	1215	0	9827	9827	7.8	20.0	13.0	50	10.0	94
DEC 07...	1145	0	9827	9827	7.6	10.0	10.0	360	8.4	74
JAN 11...	0945	0	9827	9827	7.8	7.0	5.0	85	11.9	93
FEB 15...	1815	0	9827	9827	7.8	10.0	6.0	50	12.7	--
MAR 16...	0905	0	9827	9827	7.7	17.0	11.0	120	10.2	--
APR 26...	0920	0	9827	9827	7.8	22.0	13.0	100	9.8	--
JUN 22...	0700	0	9827	9827	8.0	25.0	25.0	40	--	--
JUL 26...	1605	0	9827	9827	7.9	37.0	32.0	30	6.9	--
AUG 23...	0900	0	9827	9827	8.2	34.0	30.0	20	9.8	--
SEP 27...	0900	0	9827	9827	--	28.0	22.0	20	8.4	--

DATE	TIME	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...	1200	--	1.5	290	180	86	20	284	.39
NOV 09...	1215	--	1.8	700	190	62	20	284	.39
DEC 07...	1145	42	2.9	150	150	52	16	226	.31
JAN 11...	0945	22	1.4	280	160	44	16	229	.31
FEB 15...	1815	22	2.3	230	160	51	18	236	.32
MAR 16...	0905	25	2.9	200	170	56	18	247	.34
APR 26...	0920	29	2.9	60	--	47	17	--	--
JUN 22...	0700	20	--	310	--	65	18	301	.41
JUL 26...	1605	--	.7	830	--	60	20	311	.42
AUG 23...	0900	24	3.3	12	--	93	23	298	.41
SEP 27...	0900	15	1.6	1100	--	97	20	300	.41

07029150 MISSISSIPPI RIVER AT BARFIELD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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									
13...	1200	60	--	.030	.77	.80	--	--	.160
NOV									
09...	1215	83	1.70	.040	.66	.70	2.4	11	.230
DEC									
07...	1145	440	1.50	.060	1.3	1.4	2.9	13	.630
JAN									
11...	0945	114	2.60	.160	.44	.60	3.2	14	.270
FEB									
15...	1815	7	1.32	.110	.39	.50	1.8	8.1	--
MAR									
16...	0905	220	--	.090	1.4	1.5	--	--	.340
APR									
26...	0920	216	2.36	.050	1.6	1.6	4.0	18	.280
JUN									
22...	0700	84	1.85	<.010	--	1.0	2.9	13	.180
JUL									
26...	1605	52	1.80	.020	.38	.40	2.2	9.7	.190
AUG									
23...	0900	64	.930	.030	1.2	1.2	2.1	9.4	.180
SEP									
27...	0900	34	.400	.020	.68	.70	1.1	4.9	.160

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	PCB, TOTAL (UG/L) (39516)
OCT									
13...	1200	.100	<5	<1	5	15	<5	--	.0
NOV									
09...	1215	.090	--	<1	20	<10	--	--	--
DEC									
07...	1145	.110	--	--	--	16	--	60	--
JAN									
11...	0945	.090	<5	<1	6	<10	--	--	--
FEB									
15...	1815	.100	--	<1	15	42	--	--	--
MAR									
16...	0905	.080	--	<1	25	23	--	--	--
APR									
26...	0920	.020	<5	--	7	--	<5	--	--
JUN									
22...	0700	--	--	1	3	36	--	--	--
JUL									
26...	1605	.090	5	1	3	18	<5	30	--
AUG									
23...	0900	.010	--	1	3	43	--	70	--
SEP									
27...	0900	.060	--	<1	1	15	--	210	--

DATE	TIME	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)
OCT									
13...	1200	.000	.000	.000	.000	.000	.00	.00	.0

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 downstream from Harahan Bridge at Memphis, 1.3 mi downstream from Beale Street gage, 3.5 mi downstream from Wolf River, 62.4 mi upstream from St. Francis River, and at mile 734.8.

DRAINAGE AREA.--932,800 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: January 1933 to September 1981. Monthly discharge only for some periods, published in WSP 1311.
Gage heights: October 1934 to September 1951 and October 1952 to September 1981 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 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 National Geodetic Vertical Datum of 1929. Prior to Apr. 16, 1934, Beale Street nonrecording gage 1.3 mi upstream at present datum. Apr. 16 to Dec. 21, 1934, nonrecording gage 1,000 ft downstream at present datum.

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

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--48 years, 474,200 ft^3/s, 343,600,000 acre-ft/yr.

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

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

EXTREMES FOR 1981 WATER YEAR.--Maximum discharge, 953,000 ft^3/s May 26; maximum gage height, 24.90 ft May 26; minimum daily discharge, 139,000 ft^3/s Jan. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	258000	231000	273000	167000	181000	579000	248000	594000	759000	660000	618000	269000
2	251000	230000	285000	163000	191000	615000	259000	557000	724000	650000	649000	269000
3	257000	227000	286000	158000	215000	638000	284000	516000	704000	627000	676000	283000
4	265000	225000	287000	156000	228000	649000	310000	476000	699000	594000	694000	306000
5	259000	228000	286000	154000	248000	656000	341000	448000	708000	567000	684000	339000
6	257000	224000	265000	162000	296000	646000	353000	425000	741000	545000	650000	371000
7	261000	218000	247000	165000	344000	647000	337000	417000	771000	546000	609000	399000
8	258000	219000	236000	164000	390000	634000	319000	423000	794000	558000	563000	420000
9	260000	216000	241000	162000	425000	612000	329000	428000	820000	576000	526000	428000
10	273000	211000	244000	151000	428000	586000	364000	422000	855000	601000	503000	427000
11	268000	208000	243000	144000	417000	554000	389000	405000	873000	625000	490000	420000
12	266000	204000	240000	140000	396000	527000	402000	396000	875000	636000	475000	401000
13	258000	198000	259000	139000	344000	512000	405000	391000	859000	632000	460000	370000
14	252000	197000	288000	140000	324000	493000	393000	399000	836000	601000	454000	340000
15	211000	195000	358000	141000	314000	467000	377000	414000	825000	551000	438000	317000
16	207000	193000	401000	143000	308000	433000	370000	432000	829000	508000	408000	303000
17	201000	197000	401000	144000	304000	393000	377000	463000	833000	471000	385000	291000
18	195000	202000	373000	145000	307000	355000	407000	488000	838000	441000	373000	279000
19	196000	202000	342000	142000	319000	320000	460000	513000	842000	425000	365000	266000
20	195000	205000	309000	142000	325000	291000	519000	555000	842000	418000	359000	260000
21	192000	212000	287000	144000	325000	279000	570000	645000	834000	423000	354000	253000
22	197000	221000	254000	146000	335000	273000	595000	751000	830000	421000	348000	243000
23	217000	234000	231000	151000	370000	271000	622000	833000	826000	435000	350000	233000
24	208000	244000	220000	154000	429000	267000	626000	893000	807000	470000	347000	221000
25	199000	249000	213000	158000	481000	266000	650000	925000	784000	511000	329000	216000
26	197000	242000	202000	162000	515000	264000	667000	953000	761000	539000	311000	208000
27	196000	235000	192000	159000	534000	256000	665000	938000	739000	562000	302000	201000
28	199000	240000	185000	158000	556000	247000	656000	919000	719000	572000	298000	191000
29	196000	255000	177000	162000	---	244000	651000	891000	692000	580000	293000	185000
30	205000	268000	175000	169000	---	239000	630000	856000	667000	584000	288000	185000
31	222000	---	170000	175000	---	238000	---	817000	---	595000	274000	---
TOTAL	7076000	6630000	8170000	4760000	9849000	13451000	13575000	18583000	23686000	16924000	13873000	8894000
MEAN	228300	221000	263500	153500	351800	433900	452500	599500	789500	545900	447500	296500
MAX	273000	268000	401000	175000	556000	656000	667000	953000	875000	660000	694000	428000
MIN	192000	193000	170000	139000	181000	238000	248000	391000	667000	418000	274000	185000
AC-FT	14040000	13150000	16210000	9441000	19540000	26680000	26930000	36860000	46980000	33570000	27520000	17640000

CAL YR 1980 TOTAL 164599000 MEAN 449700 MAX 1250000 MIN 170000 AC-FT 326500000
WTR YR 1981 TOTAL 145471000 MEAN 398600 MAX 953000 MIN 139000 AC-FT 288500000

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.40	.40	2.80	-5.40	-4.40	15.70	-.30	15.70	21.10	17.50	15.90	1.70
2	2.00	.40	3.50	-5.70	-3.60	16.40	.40	14.60	20.10	17.40	16.90	1.70
3	2.40	.30	3.50	-5.80	-2.40	17.10	1.90	13.30	19.50	16.90	17.80	2.50
4	2.90	.20	3.50	-5.70	-1.90	17.40	3.30	11.90	19.30	16.10	18.20	3.70
5	2.60	.50	3.40	-5.60	-.70	17.60	4.90	10.80	19.50	15.50	17.80	5.30
6	2.50	.30	2.20	-5.10	1.90	17.30	5.50	10.10	20.40	15.00	16.70	6.90
7	2.30	-.20	1.00	-5.00	4.50	17.30	4.80	10.00	21.10	15.00	15.30	8.20
8	1.60	-.20	.20	-5.20	6.90	16.90	4.00	10.50	21.60	15.30	13.80	9.10
9	1.30	-.40	.50	-5.50	8.60	16.20	4.60	11.00	22.20	15.80	12.50	9.60
10	1.60	-.80	.70	-6.20	8.90	15.40	6.40	11.00	23.00	16.50	11.60	9.70
11	1.40	-1.10	.60	-6.50	8.50	14.40	7.70	10.50	23.40	17.20	11.30	9.50
12	1.30	-1.50	.30	-6.60	7.70	13.50	8.40	9.80	23.50	17.50	10.90	8.80
13	.90	-2.10	1.00	-6.60	5.30	13.00	8.60	9.30	23.20	17.30	10.50	7.50
14	.60	-2.30	2.20	-6.50	4.40	12.30	8.10	9.40	22.70	16.30	10.40	6.10
15	-2.20	-2.50	5.20	-6.60	4.00	11.30	7.40	9.80	22.50	14.70	9.90	5.10
16	-2.50	-2.90	7.10	-6.50	3.80	9.90	7.10	10.30	22.50	13.20	8.80	4.50
17	-3.00	-2.40	7.30	-6.60	3.70	8.10	7.50	11.30	22.50	11.80	7.90	4.00
18	-3.60	-1.90	6.40	-6.70	4.00	6.30	8.90	12.00	22.50	10.60	7.30	3.50
19	-3.40	-1.90	5.20	-7.10	4.70	4.50	11.20	12.60	22.50	9.90	6.90	2.90
20	-3.40	-1.60	3.70	-7.30	5.10	2.90	13.40	13.70	22.40	9.60	6.60	2.70
21	-3.80	-1.00	2.70	-7.30	5.10	2.10	15.10	16.20	22.10	9.80	6.30	2.40
22	-3.00	-.30	.90	-7.20	5.60	1.60	15.90	19.40	21.90	9.70	6.00	1.90
23	-1.20	.60	-.40	-7.00	7.30	1.40	16.70	21.60	21.70	10.10	6.10	1.40
24	-1.80	1.30	-1.00	-6.90	10.00	1.00	16.80	23.20	21.20	11.30	5.90	.70
25	-2.60	1.60	-1.30	-6.80	12.10	.80	17.50	24.10	20.60	12.60	5.00	.30
26	-2.80	1.10	-2.00	-6.70	13.30	.60	18.00	24.90	20.00	13.30	4.10	-.30
27	-2.80	.60	-3.00	-6.70	13.90	.10	17.90	24.70	19.40	13.80	3.60	-.80
28	-2.40	.90	-3.60	-6.60	14.60	-.40	17.60	24.40	18.80	14.20	3.40	-1.50
29	-2.70	1.80	-4.50	-6.00	---	-.60	17.40	23.90	18.00	14.50	3.10	-2.00
30	-1.70	2.60	-4.50	-5.40	---	-.90	16.80	23.20	17.50	14.70	2.80	-2.10
31	-.30	---	-5.00	-4.90	---	-.90	---	22.40	---	15.10	2.00	---

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN--CONTINUED
(National stream-quality accounting network 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.

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 25...	1530	0	80513	80010	260000	418	7.7	17.0	85	8.4
FEB 24...	1030	0	80513	80010	553000	430	8.2	6.0	55	11.8
APR 27...	1230	9	80513	80010	1330000	350	7.9	12.0	70	9.0
AUG 30...	1300	9	80513	80010	222000	350	8.0	31.0	4.0	7.0

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
OCT 25...	1530	87	760	500	K52	170	38	38	43	14
FEB 24...	1030	96	754	570	1200	170	46	46	46	14
APR 27...	1230	84	758	K230	96	160	53	53	42	13
AUG 30...	1300	95	760	K20	40	190	53	53	46	17

DATE	TIME	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)
OCT 25...	1530	20	21	.7	1.8	127	59	16	.30	6.8
FEB 24...	1030	18	18	.6	2.7	127	58	22	.30	8.5
APR 27...	1230	10	12	.4	2.5	106	49	14	.20	6.9
AUG 30...	1300	23	21	.8	3.1	132	78	17	.30	2.2

DATE	TIME	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, NITRATE DISSOLVED (MG/L AS N) (00618)	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)
OCT 25...	1530	265	240	.36	1.60	1.60	.090	.12	.70	.180
FEB 24...	1030	295	250	.40	2.10	2.10	.140	.18	.90	.220
APR 27...	1230	243	200	.33	2.70	2.70	.110	.14	.40	.160
AUG 30...	1300	283	270	.38	.890	.890	.090	.12	.40	.140

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
OCT 25...	1530	.55	.070	.100	20	2	98	<1	<1	<1
FEB 24...	1030	.67	.080	.070	40	1	160	<1	2	<1
APR 27...	1230	.49	.060	.050	<10	1	70	<1	<1	<1
AUG 30...	1300	.43	.070	.070	80	4	95	<1	<1	<1

DATE	TIME	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
OCT 25...	1530	<3	5	<3	4	10	8	.2	<10
FEB 24...	1030	<3	46	36	3	8	14	.2	<10
APR 27...	1230	<3	10	44	5	4	4	<.1	<10
AUG 30...	1300	<3	3	9	1	16	2	<.1	<10

DATE	TIME	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	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 25...	1530	3	<1	<1	190	12	--	--	--
FEB 24...	1030	1	<1	<1	180	57	139	208000	88
APR 27...	1230	5	1	<1	160	<3	191	686000	61
AUG 30...	1300	1	<1	<1	230	7	24	14400	81

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT									
19...	1230	0	80513	80513	335	174	7.7	17.5	.70
NOV									
15...	1400	0	80513	80513	328	172	7.9	9.0	.50
29...	1150	0	80513	80513	1020	182	7.6	8.5	.80
JAN									
10...	1400	0	80513	80513	10400	85	7.0	8.5	.40
FEB									
14...	1250	0	80513	80513	3360	203	7.8	6.5	.90
MAR									
15...	1430	9	80513	80513	1320	204	8.5	12.0	.50
APR									
13...	1630	9	80513	80513	2360	176	8.0	12.0	.80
MAY									
09...	1645	9	80513	80513	7000	108	7.2	17.5	.50
JUN									
14...	0830	9	80513	80513	910	160	7.4	22.0	.40
JUL									
12...	1300	9	80513	80513	178	179	7.7	29.0	.20
AUG									
08...	1230	9	80513	80513	110	223	8.2	28.5	.20
SEP									
13...	1400	9	80513	80513	61	229	8.5	27.0	.20

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)
OCT									
19...	1230	7.8	82	760	33	30	95	98	100
NOV									
15...	1400	11.6	101	760	31	27	66	75	94
29...	1150	12.6	108	760	56	154	66	97	99
JAN									
10...	1400	11.2	97	750	38	1070	80	90	95
FEB									
14...	1250	12.6	103	756	49	445	68	76	97
MAR									
15...	1430	10.7	101	750	29	103	97	97	98
APR									
13...	1630	9.3	87	760	85	542	76	90	99
MAY									
09...	1645	9.6	101	760	31	586	78	84	95
JUN									
14...	0830	6.5	75	758	71	174	94	97	100
JUL									
12...	1300	6.4	84	760	58	28	88	89	90
AUG									
08...	1230	7.5	97	757	29	8.6	92	96	100
SEP									
13...	1400	7.9	100	760	26	4.3	97	98	98

07040000 ST. FRANCIS RIVER AT FISK, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT								
19...	1230	--	2	3	77	99	100	--
NOV								
15...	1400	100	2	2	79	99	100	--
29...	1150	100	3	4	56	98	100	--
JAN								
10...	1400	100	16	27	86	100	--	--
FEB								
14...	1250	100	2	7	83	100	--	--
MAR								
15...	1430	100	3	3	38	97	100	--
APR								
13...	1630	100	2	2	55	98	100	--
MAY								
09...	1645	100	8	8	15	83	100	--
JUN								
14...	0830	--	4	6	55	90	100	--
JUL								
12...	1300	100	4	18	96	99	100	--
AUG								
08...	1230	--	3	19	95	99	100	--
SEP								
13...	1400	100	5	18	94	99	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 west of Powe, Mo.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV											
16...	0830	0	80513	80513	366	6.0	.60	38	38	60	82
29...	1420	0	80513	80513	1370	10.0	.20	169	625	90	95
JAN											
10...	1300	0	80513	80513	10400	8.0	.20	258	7240	42	52
FEB											
14...	1515	0	80513	80513	3890	7.0	.40	106	1110	55	64
MAR											
14...	1600	9	80513	80513	1520	11.0	.50	63	259	62	65
APR											
11...	1330	9	80513	80513	1780	12.5	.30	76	365	79	90
MAY											
09...	1330	9	80513	80513	10000	17.0	.00	162	4370	64	76
JUN											
14...	1300	9	80513	80513	1380	23.0	.20	89	332	90	95

DATE	TIME	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)
NOV										
16...	0830	90	100	--	3	7	78	98	100	--
29...	1420	99	100	--	3	3	15	87	100	--
JAN										
10...	1300	96	99	100	1	1	65	99	100	--
FEB										
14...	1515	90	100	--	3	3	49	96	100	--
MAR										
14...	1600	89	100	--	4	7	7	86	100	--
APR										
11...	1330	98	100	--	3	3	5	80	100	--
MAY										
09...	1330	98	100	--	1	1	24	85	98	100
JUN										
14...	1300	98	100	--	4	5	33	94	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 southwest of Glennonville, Mo.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV											
16...	1000	0	80513	80513	354	6.0	.60	30	29	71	80
30...	0800	0	80513	80513	1490	7.0	.40	121	487	87	93
JAN											
11...	0815	0	80513	80513	9490	7.0	.40	274	7020	45	56
FEB											
15...	0830	0	80513	80513	3260	4.5	.60	145	1280	40	48
MAR											
15...	1200	9	80513	80513	1450	11.0	.30	47	184	92	94
APR											
13...	1045	9	80513	80513	2330	15.0	.50	106	667	69	78
MAY											
10...	0925	9	80513	80513	9750	19.5	.40	300	7900	39	48
JUN											
13...	1200	9	80513	80513	1680	24.0	.30	99	449	97	98

DATE	TIME	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)
NOV										
16...	1000	87	100	--	1	1	64	97	100	--
30...	0800	98	100	--	1	1	53	96	99	100
JAN										
11...	0815	96	99	100	0	1	95	99	100	--
FEB										
15...	0830	97	100	--	0	0	77	99	100	--
MAR										
15...	1200	99	100	--	1	1	85	99	100	--
APR										
13...	1045	97	100	--	1	1	81	99	100	--
MAY										
10...	0925	98	100	--	1	1	94	99	100	--
JUN										
13...	1200	99	100	--	0	1	89	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 northwest of Campbell, Mo., off Missouri State Highway 53.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV										
16...	1115	0	80513	80513	338	6.0	.70	21	19	62
29...	1400	0	80513	80513	1760	8.0	.10	246	1170	91
JAN										
11...	0830	0	80513	80513	9820	7.0	.00	361	9570	32
FEB										
14...	1400	0	80513	80513	3460	6.0	.40	137	1280	57
MAR										
14...	1330	9	80513	80513	1550	11.0	.40	156	653	27
APR										
11...	1140	9	80513	80513	1910	12.0	.50	134	691	78
MAY										
09...	1130	9	80513	80513	10200	17.0	.00	212	5840	63
JUN										
14...	1200	9	80513	80513	1320	23.0	.20	126	449	70

DATE	TIME	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)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
NOV										
16...	1115	80	100	--	2	10	95	99	100	--
29...	1400	94	99	100	1	1	91	99	100	--
JAN										
11...	0830	43	99	100	3	4	84	96	100	--
FEB										
14...	1400	67	98	100	0	0	95	100	--	--
MAR										
14...	1330	30	97	100	0	0	80	99	100	--
APR										
11...	1140	92	99	100	5	5	86	99	100	--
MAY										
09...	1130	80	99	100	1	2	93	99	100	--
JUN										
14...	1200	81	99	100	5	6	47	94	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.

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
OCT										
13...	1540	0	9827	9827	--	--	--	7.4	17.0	18.0
NOV										
09...	1600	0	9827	9827	--	--	--	7.8	23.0	13.0
16...	1320	0	80513	80513	--	407	195	8.1	--	5.5
30...	1030	0	80513	80513	--	1570	155	7.8	--	9.0
JAN										
11...	1115	0	80513	80513	67	9740	80	7.3	--	6.5
11...	1215	0	80513	80513	68	862	81	7.3	--	7.0
11...	1330	0	9827	9827	--	--	--	7.3	7.0	7.0
FEB										
15...	1120	0	80513	80513	--	3750	200	7.9	--	7.5
15...	1610	0	9827	9827	--	--	--	7.7	15.0	9.0
MAR										
15...	0700	0	9827	9827	--	--	--	7.6	9.0	10.0
16...	0830	9	80513	80513	--	1450	192	8.1	--	10.5
APR										
13...	1430	9	80513	80513	--	2230	158	7.8	--	14.0
26...	0725	0	9827	9827	--	--	--	7.5	13.0	14.0
MAY										
09...	1250	9	80513	80513	67	9130	95	7.1	--	18.5
09...	1420	9	80513	80513	68	1160	96	7.2	--	18.0
24...	0830	0	9827	9827	--	--	--	7.2	18.0	20.0
JUN										
14...	1100	9	80513	80513	--	1710	155	7.6	--	24.0
21...	0900	0	9827	9827	--	--	--	7.7	37.0	29.0
JUL										
26...	1420	0	9827	9827	--	--	--	8.0	40.0	30.0
AUG										
23...	0710	0	9827	9827	--	--	--	7.9	28.0	31.0
SEP										
26...	0720	0	9827	9827	--	--	--	--	20.0	21.0

DATE	TIME	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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										
13...	1540	30	--	6.0	63	--	2.1	88	76	9.0
NOV										
09...	1600	8.5	--	10.9	103	--	2.8	<4	90	12
16...	1320	--	.90	9.8	78	760	--	--	--	--
30...	1030	--	.20	9.8	85	761	--	--	--	--
JAN										
11...	1115	--	.30	11.4	94	753	--	--	--	--
11...	1215	--	.30	11.0	92	753	--	--	--	--
11...	1330	50	--	11.1	91	--	1.1	16	38	7.0
FEB										
15...	1120	--	.60	12.1	102	756	--	--	--	--
15...	1610	20	--	12.8	--	--	1.8	8	94	13
MAR										
15...	0700	20	--	10.9	--	--	2.3	44	94	--
16...	0830	--	.30	10.1	92	750	--	--	--	--
APR										
13...	1430	--	.30	9.2	90	760	--	--	--	--
26...	0725	30	--	10.6	--	--	2.7	20	--	10
MAY										
09...	1250	--	.20	8.1	87	760	--	--	--	--
09...	1420	--	.30	9.1	96	760	--	--	--	--
24...	0830	30	--	8.9	--	--	2.2	20	--	--
JUN										
14...	1100	--	.30	5.0	60	759	--	--	--	--
21...	0900	50	--	10.1	--	--	3.4	20	--	12
JUL										
26...	1420	30	--	8.0	--	--	3.4	56	--	12
AUG										
23...	0710	35	--	5.6	--	--	4.0	60	--	8.0
SEP										
26...	0720	30	--	7.6	--	--	2.2	200	--	8.0

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)
OCT										
13...	1540	4.5	115	.16	23	--	.140	.130	.100	<1
NOV										
09...	1600	4.0	110	.15	23	.010	.020	.060	.010	1
JAN										
11...	1330	3.0	80	.11	84	.200	.080	.130	.070	<1
FEB										
15...	1610	4.0	114	.16	56	.410	.040	--	.070	<1
MAR										
15...	0700	6.5	120	.16	34	--	.050	.070	.010	<1
APR										
26...	0725	4.5	--	--	60	.270	.020	.080	.010	--
MAY										
24...	0830	5.5	82	.11	58	.090	.060	.100	.050	<1
JUN										
21...	0900	11	142	.19	91	.040	.030	.140	--	<1
JUL										
26...	1420	31	236	.32	64	.020	.010	.090	<.010	1
AUG										
23...	0710	27	220	.30	80	.030	.020	.150	.020	1
SEP										
26...	0720	25	200	.27	48	.010	<.010	.090	.010	2

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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)
OCT									
13...	1540	1	<10	--	--	--	--	--	--
NOV									
09...	1600	<1	<10	--	.0	.000	.000	.000	.000
JAN									
11...	1330	4	<10	--	.0	.000	.000	.000	.000
FEB									
15...	1610	<1	40	--	--	--	--	--	--
MAR									
15...	0700	3	13	--	--	--	--	--	--
APR									
26...	0725	4	--	--	.0	.000	.000	.000	.000
MAY									
24...	0830	1	<10	30	--	--	--	--	--
JUN									
21...	0900	2	28	--	--	--	--	--	--
JUL									
26...	1420	<1	27	50	.0	.000	.000	.000	.000
AUG									
23...	0710	<1	20	50	--	--	--	--	--
SEP									
26...	0720	<1	12	20	--	--	--	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	ENDRIN, TOTAL (UG/L) (39390)	LINDANE TOTAL (UG/L) (39782)	METHYL PARA-THION, TOTAL (UG/L) (39600)	TOX-APHENE, TOTAL (UG/L) (39400)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV									
09...	1600	.000	.00	.00	.0	--	--	--	--
16...	1320	--	--	--	--	56	62	85	95
30...	1030	--	--	--	--	179	759	97	98
JAN									
11...	1115	--	--	--	--	220	5790	44	56
11...	1215	--	--	--	--	68	158	94	96
11...	1330	.000	.00	.00	.0	--	--	--	--
FEB									
15...	1120	--	--	--	--	78	790	84	94
MAR									
16...	0830	--	--	--	--	44	172	96	96
APR									
13...	1430	--	--	--	--	118	710	92	97
26...	0725	.000	.00	.00	.0	--	--	--	--
MAY									
09...	1250	--	--	--	--	189	4660	57	72
09...	1420	--	--	--	--	82	257	96	97
JUN									
14...	1100	--	--	--	--	145	669	92	95
JUL									
26...	1420	.000	.00	.00	.0	--	--	--	--

DATE	TIME	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)
NOV									
16...	1320	98	100	--	13	33	94	99	100
30...	1030	99	99	100	32	57	96	99	100
JAN									
11...	1115	98	100	--	6	16	85	100	--
11...	1215	98	100	--	51	84	99	100	--
FEB									
15...	1120	97	100	--	33	76	99	100	--
MAR									
16...	0830	98	100	--	2	10	71	93	100
APR									
13...	1430	99	100	--	4	46	98	99	100
MAY									
09...	1250	99	100	--	1	2	51	99	100
09...	1420	100	--	--	99	99	99	99	100
JUN									
14...	1100	98	100	--	8	19	83	99	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 east of Piggott.

DRAINAGE AREA.--1,776 mi^2.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV											
17...	0900	0	80513	80513	--	309	6.0	.90	26	22	54
30...	1250	0	80513	80513	--	1540	8.0	.30	216	898	85
JAN											
11...	1030	0	80513	80513	67	7860	7.0	.00	98	2080	68
11...	1230	0	80513	80513	68	2080	7.0	.00	62	348	92
FEB											
14...	1230	0	80513	80513	67	2990	6.0	.40	185	1490	58
14...	1300	0	80513	80513	68	685	6.0	.30	111	205	79
MAR											
15...	0830	9	80513	80513	--	1440	11.0	.50	61	237	50
APR											
12...	0810	9	80513	80513	--	2080	11.5	.20	163	915	72
MAY											
10...	0800	9	80513	80513	67	7560	17.0	.00	101	2060	70
10...	0830	9	80513	80513	68	2250	17.0	.00	102	620	54
JUN											
15...	0830	9	80513	80513	--	1300	23.0	.00	124	435	85

DATE	TIME	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)
NOV											
17...	0900	62	88	100	--	0	1	77	99	100	--
30...	1250	90	98	100	--	2	2	48	86	97	100
JAN											
11...	1030	78	97	100	--	1	1	76	99	100	--
11...	1230	97	100	--	--	65	66	70	76	99	100
FEB											
14...	1230	70	98	100	--	0	0	88	99	100	--
14...	1300	88	96	97	100	83	91	97	99	100	--
MAR											
15...	0830	63	97	100	--	0	0	83	97	100	--
APR											
12...	0810	86	99	100	--	1	2	77	99	100	--
MAY											
10...	0800	78	95	100	--	1	1	65	99	100	--
10...	0830	76	97	100	--	90	96	97	99	100	--
JUN											
15...	0830	92	98	100	--	1	8	91	99	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.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV											
17...	1000	0	80513	80513	--	352	7.0	.80	20	19	79
30...	1410	0	80513	80513	67	1900	9.0	.00	264	1350	92
30...	1440	0	80513	80513	68	20	9.0	.00	305	16	93
JAN											
11...	1400	0	80513	80513	67	5460	7.0	.00	95	1400	46
11...	1500	0	80513	80513	68	5140	7.0	.00	132	1830	99
FEB											
15...	1330	0	80513	80513	--	3300	9.5	.50	150	1340	71
MAR											
16...	1000	9	80513	80513	--	1540	10.5	.30	34	141	98
APR											
12...	0930	9	80513	80513	--	2640	12.0	.20	116	827	99
MAY											
10...	0900	9	80513	80513	67	5230	17.5	.00	162	2290	64
10...	0930	9	80513	80513	68	5450	17.5	.00	69	1020	85
JUN											
15...	1000	9	80513	80513	--	1610	23.0	.20	120	522	97

DATE	TIME	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)
NOV											
17...	1000	85	93	100	--	8	8	20	86	98	100
30...	1410	94	98	99	100	0	0	10	67	97	100
30...	1440	95	99	100	--	84	86	90	98	100	--
JAN											
11...	1400	56	97	100	--	0	0	50	92	100	--
11...	1500	99	99	100	--	3	16	49	93	100	--
FEB											
15...	1330	76	97	100	--	0	0	82	99	100	--
MAR											
16...	1000	98	99	100	--	1	1	60	98	100	--
APR											
12...	0930	99	99	100	--	1	1	27	86	99	100
MAY											
10...	0900	72	97	100	--	0	0	13	73	99	100
10...	0930	92	95	100	--	19	52	95	99	100	--
JUN											
15...	1000	98	99	100	--	1	1	65	98	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 east of Paragould.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV								
17...	1115	0	80513	80513	.00	355	8.2	8.0
30...	1530	0	80513	80513	.00	70	7.1	11.0
JAN								
12...	0730	0	80513	80513	.00	330	7.8	7.0
FEB								
14...	1200	0	80513	80513	.00	302	7.7	7.0
MAR								
16...	1130	9	80513	80513	.00	330	8.1	16.5
APR								
14...	0930	9	80513	80513	3030	95	7.2	14.5
MAY								
11...	0745	9	80513	80513	.00	273	7.4	19.0
JUN								
14...	1230	9	80513	80513	.00	330	7.9	24.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
NOV								
17...	1115	--	9.0	76	760	--	--	--
30...	1530	--	9.5	86	761	--	--	--
JAN								
12...	0730	--	8.6	70	776	--	--	--
FEB								
14...	1200	--	8.5	70	760	--	--	--
MAR								
16...	1130	--	9.7	101	750	--	--	--
APR								
14...	0930	.00	6.2	61	760	828	6770	99
MAY								
11...	0745	--	7.5	81	760	--	--	--
JUN								
14...	1230	--	5.7	68	759	--	--	--

DATE	TIME	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)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)
APR								
14...	0930	99	100	84	89	99	99	100

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 southeast of Paragould.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV											
17...	1245	0	80513	80513	.00	410	8.0	9.5	5.6	49	760
30...	1600	0	80513	80513	.00	70	7.2	9.5	5.2	46	761
JAN											
12...	0830	0	80513	80513	.00	322	7.6	6.5	9.9	80	769
FEB											
14...	1045	0	80513	80513	.00	315	7.1	5.0	4.2	33	760
MAR											
15...	1330	9	80513	80513	.00	350	7.6	15.0	8.2	83	751
APR											
12...	1145	9	80513	80513	.00	167	7.3	14.5	8.7	87	752
MAY											
10...	1230	9	80513	80513	.00	210	7.8	22.5	8.9	103	763
JUN											
15...	1130	9	80513	80513	.00	372	8.4	25.0	7.2	87	761

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 southeast of Paragould.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV									
17...	1200	0	80513	80513	6.7	485	8.0	8.5	>.20
30...	1630	0	80513	80513	97	130	7.4	8.5	.00
JAN									
12...	0815	0	80513	80513	.00	222	7.9	6.5	--
FEB									
14...	1000	0	80513	80513	14	210	7.3	5.0	.60
MAR									
15...	1200	9	80513	80513	21	280	7.6	16.0	>.30
APR									
12...	1120	9	80513	80513	.00	170	7.4	15.5	--
MAY									
10...	1200	9	80513	80513	.00	228	9.4	18.5	--
JUN									
15...	1145	9	80513	80513	.00	389	8.4	25.0	--

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)
NOV									
17...	1200	9.2	79	760	44	.80	81	85	100
30...	1630	7.5	64	761	165	43	64	71	90
JAN									
12...	0815	12.2	98	769	--	--	--	--	--
FEB									
14...	1000	10.2	80	760	37	1.4	92	96	97
MAR									
15...	1200	9.2	95	752	40	2.3	89	93	96
APR									
12...	1120	9.8	100	752	--	--	--	--	--
MAY									
10...	1200	12.6	134	763	--	--	--	--	--
JUN									
15...	1145	7.6	92	761	--	--	--	--	--

DATE	TIME	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)
NOV								
17...	1200	--	--	2	2	4	72	100
30...	1630	99	100	65	72	87	98	100
FEB								
14...	1000	100	--	10	11	31	85	100
MAR								
15...	1200	100	--	6	7	50	97	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.

DRAINAGE AREA.--2,374 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)
OCT											
12...	1410	0	9827	9827	--	--	--	7.3	17.0	18.0	30
19...	1430	0	80513	80513	--	1060	188	7.5	--	16.5	--
NOV											
09...	1425	0	9827	9827	--	--	--	7.7	22.0	13.0	35
17...	1430	0	80513	80513	--	542	242	7.7	--	8.0	--
DEC											
01...	0800	0	80513	80513	67	1090	90	7.2	--	9.0	--
01...	0930	0	80513	80513	68	1850	100	7.3	--	10.5	--
07...	1400	0	9827	9827	--	--	--	7.0	12.0	13.5	95
JAN											
11...	1145	0	9827	9827	--	--	--	7.5	13.0	7.0	50
12...	0900	0	80513	80513	67	2170	165	7.4	--	6.0	--
12...	0930	0	80513	80513	68	8230	95	7.5	--	6.0	--
FEB											
15...	1430	0	9827	9827	--	--	--	7.7	17.0	11.0	35
15...	1530	0	80513	80513	67	752	177	7.8	--	10.0	--
15...	1600	0	80513	80513	68	1260	166	7.8	--	10.5	--
MAR											
16...	1140	0	9827	9827	--	--	--	7.5	24.0	16.0	55
16...	1230	9	80513	80513	--	1080	214	8.1	--	14.0	--
APR											
14...	1215	9	80513	80513	67	5010	125	7.4	--	14.0	--
14...	1300	9	80513	80513	68	1540	126	7.4	--	14.0	--
26...	1535	0	9827	9827	--	--	--	7.6	24.0	18.0	45
MAY											
10...	1420	9	80513	80513	67	2370	138	7.2	--	19.0	--
10...	1445	9	80513	80513	68	10500	122	7.3	--	19.5	--
24...	1300	0	9827	9827	--	--	--	7.2	25.0	21.0	65
JUN											
14...	1315	9	80513	80513	67	1420	160	7.5	--	24.0	--
14...	1350	9	80513	80513	68	2450	140	7.5	--	24.0	--
21...	1143	0	9827	9827	--	--	--	7.4	31.0	27.0	50
JUL											
13...	0800	9	80513	80513	--	774	313	7.7	--	28.0	--
26...	1800	0	9827	9827	--	--	--	7.9	36.0	32.0	30
AUG											
09...	0730	9	80513	80513	--	430	362	8.0	--	28.0	--
23...	1250	0	9827	9827	--	--	--	7.8	32.0	31.0	35
SEP											
14...	1000	9	80513	80513	--	212	359	8.4	--	24.5	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)
OCT											
12...	1410	--	5.3	--	--	--	1.6	60	72	8.0	3.5
19...	1430	.40	7.9	81	760	--	--	--	--	--	--
NOV											
09...	1425	--	10.0	94	--	--	2.4	<4	140	10	4.0
17...	1430	.50	9.5	80	760	--	--	--	--	--	--
DEC											
01...	0800	.30	7.5	65	760	--	--	--	--	--	--
01...	0930	.20	7.7	69	760	--	--	--	--	--	--
07...	1400	--	6.2	60	--	33	2.7	480	58	7.0	3.0
JAN											
11...	1145	--	10.4	85	--	17	.9	32	6	8.0	4.0
12...	0900	.30	10.1	79	779	--	--	--	--	--	--
12...	0930	.30	9.7	76	779	--	--	--	--	--	--
FEB											
15...	1430	--	11.0	--	--	16	1.5	4	82	11	4.0
15...	1530	.50	10.5	94	756	--	--	--	--	--	--
15...	1600	.30	10.2	92	756	--	--	--	--	--	--
MAR											
16...	1140	--	9.3	--	--	16	2.2	44	92	12	8.0
16...	1230	.30	8.9	88	750	--	--	--	--	--	--
APR											
14...	1215	.20	7.9	77	760	--	--	--	--	--	--
14...	1300	.20	7.2	70	760	--	--	--	--	--	--
26...	1535	--	9.8	--	--	18	2.7	88	--	9.0	5.5
MAY											
10...	1420	.30	6.6	71	760	--	--	--	--	--	--
10...	1445	.40	6.8	74	760	--	--	--	--	--	--
24...	1300	--	7.0	--	--	20	1.6	180	--	--	4.0
JUN											
14...	1315	.40	6.8	81	759	--	--	--	--	--	--
14...	1350	.40	4.4	53	759	--	--	--	--	--	--
21...	1143	--	6.0	--	--	22	2.7	230	--	11	5.5
JUL											
13...	0800	.20	5.1	65	763	--	--	--	--	--	--
26...	1800	--	8.7	--	--	--	3.4	32	--	12	16
AUG											
09...	0730	.20	5.0	64	760	--	--	--	--	--	--
23...	1250	--	5.8	--	--	21	2.7	100	--	12	14
SEP											
14...	1000	.20	5.7	68	765	--	--	--	--	--	--

DATE	TIME	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)	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)
OCT											
12...	1410	107	.15	20	--	.040	.56	.60	--	--	.180
NOV											
09...	1425	154	.21	30	.030	.020	.38	.40	.43	1.9	.120
DEC											
07...	1400	127	.17	57	.270	.090	.71	.80	1.1	4.7	.410
JAN											
11...	1145	106	.14	24	.230	.110	.29	.40	.63	2.8	.120
FEB											
15...	1430	123	.17	35	.230	.040	--	<.10	--	--	--
MAR											
16...	1140	141	.19	59	--	.060	.74	.80	--	--	.140
APR											
26...	1535	--	--	38	.090	.010	.59	.60	.69	3.1	.100
MAY											
24...	1300	112	.15	67	.200	.070	1.1	1.2	1.4	6.2	.250
JUN											
21...	1143	136	.19	76	.090	.050	1.2	1.2	1.3	5.7	.180
JUL											
26...	1800	203	.28	56	.040	.010	.89	.90	.94	4.2	.150
AUG											
23...	1250	199	.27	54	.050	.070	.93	1.0	1.1	4.6	.220

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)	DDE, TOTAL (UG/L) (39365)
OCT											
12...	1410	.090	--	<1	1	<10	<5	--	--	--	--
NOV											
09...	1425	.050	--	<1	8	<10	--	--	.0	.000	.000
DEC											
07...	1400	.250	--	--	--	<10	--	30	--	--	--
JAN											
11...	1145	.090	--	<1	2	<10	--	--	--	--	--
FEB											
15...	1430	.110	--	<1	<1	23	--	--	.0	.000	.000
MAR											
16...	1140	.030	--	<1	8	20	--	--	--	--	--
APR											
26...	1535	.020	8	--	7	--	<5	--	--	--	--
MAY											
24...	1300	.100	--	1	1	29	--	50	.0	.000	.000
JUN											
21...	1143	--	--	<1	3	18	--	--	--	--	--
JUL											
26...	1800	.030	--	1	<1	14	--	20	--	--	--
AUG											
23...	1250	.060	--	1	<1	30	--	60	.0	.000	.000

DATE	TIME	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)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
OCT											
19...	1430	--	--	--	--	--	--	48	137	92	95
NOV											
09...	1425	.000	.000	.000	.00	.00	.0	--	--	--	--
17...	1430	--	--	--	--	--	--	57	83	71	80
DEC											
01...	0800	--	--	--	--	--	--	133	391	80	88
01...	0930	--	--	--	--	--	--	117	584	81	84
JAN											
12...	0900	--	--	--	--	--	--	122	715	30	43
12...	0930	--	--	--	--	--	--	39	867	76	85
FEB											
15...	1430	.000	.000	.000	.00	.00	.0	--	--	--	--
15...	1530	--	--	--	--	--	--	45	91	84	85
15...	1600	--	--	--	--	--	--	35	119	94	95
MAR											
16...	1230	--	--	--	--	--	--	56	163	90	92
APR											
14...	1215	--	--	--	--	--	--	119	1610	94	96
14...	1300	--	--	--	--	--	--	74	308	89	95
MAY											
10...	1420	--	--	--	--	--	--	79	506	81	85
10...	1445	--	--	--	--	--	--	68	1930	96	98
24...	1300	.000	.000	.000	.00	.00	.0	--	--	--	--
JUN											
14...	1315	--	--	--	--	--	--	57	219	95	97
14...	1350	--	--	--	--	--	--	58	384	92	97
JUL											
13...	0800	--	--	--	--	--	--	81	169	98	98
AUG											
09...	0730	--	--	--	--	--	--	69	80	98	98
23...	1250	.000	.000	.000	.00	.00	.0	--	--	--	--
SEP											
14...	1000	--	--	--	--	--	--	108	62	80	83

ST. FRANCIS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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										
19...	1430	98	100	--	0	0	55	99	100	--
NOV										
17...	1430	87	95	100	23	26	48	84	100	--
DEC										
01...	0800	93	99	100	8	11	56	95	100	--
01...	0930	91	98	100	26	33	72	94	100	--
JAN										
12...	0900	96	97	100	1	1	34	80	100	--
12...	0930	97	98	100	9	14	46	71	95	100
FEB										
15...	1530	95	100	--	5	6	48	80	100	--
15...	1600	98	100	--	14	18	62	90	99	100
MAR										
16...	1230	95	100	--	2	2	40	96	100	--
APR										
14...	1215	97	100	--	10	12	65	99	100	--
14...	1300	95	100	--	3	3	59	99	100	--
MAY										
10...	1420	97	100	--	2	3	73	99	100	--
10...	1445	99	100	--	26	31	49	71	91	--
JUN										
14...	1315	97	99	100	1	4	70	99	100	--
14...	1350	97	100	--	2	6	83	99	99	100
JUL										
13...	0800	99	100	--	0	0	60	96	100	--
AUG										
09...	0730	99	100	--	14	18	30	50	100	--
SEP										
14...	1000	95	100	--	1	2	48	89	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 southeast of Monette.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV 17...	1300	0	80513	80513	.00	425	7.9	9.0	--
DEC 01...	0810	0	80513	80513	404	311	7.7	13.0	.30
JAN 12...	1000	0	80513	80513	414	410	8.2	8.0	.40
FEB 15...	1000	0	80513	80513	356	405	7.4	11.0	.70
MAR 15...	1500	9	80513	80513	301	412	8.2	16.0	.60
APR 12...	1245	9	80513	80513	.00	389	7.9	16.0	--
MAY 10...	1330	9	80513	80513	.00	409	7.8	19.0	--
JUN 15...	1300	9	80513	80513	408	405	8.0	22.5	.30

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)
NOV 17...	1300	9.1	90	671	--	--	--	--
DEC 01...	0810	7.5	72	755	43	47	94	98
JAN 12...	1000	11.0	92	770	33	37	97	98
FEB 15...	1000	7.7	70	760	42	40	88	95
MAR 15...	1500	7.5	77	750	34	28	94	95
APR 12...	1245	8.2	84	752	--	--	--	--
MAY 10...	1330	6.6	71	763	--	--	--	--
JUN 15...	1300	7.2	84	760	45	50	73	94

DATE	TIME	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)
DEC 01...	0810	98	100	11	58	97	98	100
JAN 12...	1000	99	100	4	27	94	99	100
FEB 15...	1000	97	100	11	40	96	99	100
MAR 15...	1500	100	--	3	21	86	98	100
JUN 15...	1300	100	--	9	24	88	99	100

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 southeast of Manila, and at mile 23.0.

DRAINAGE AREA.--2,084 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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...	1325	0	9827	9827	8.2	14.0	21.0	25	6.9	77
NOV 09...	1340	0	9827	9827	8.1	21.0	13.0	6.8	10.1	95
DEC 07...	1320	0	9827	9827	7.1	10.0	12.0	160	5.4	50
JAN 11...	1105	0	9827	9827	7.3	7.0	7.0	250	9.7	80
FEB 16...	0750	0	9827	9827	7.6	6.0	9.0	40	10.6	--
MAR 16...	1035	0	9827	9827	7.5	21.0	--	40	8.1	--
APR 26...	1430	0	9827	9827	7.4	24.0	17.0	180	8.2	--
MAY 24...	1400	0	9827	9827	7.0	26.0	23.0	220	4.3	--
JUN 21...	1440	0	9827	9827	7.7	36.0	30.0	25	6.2	--
JUL 26...	0545	0	9827	9827	7.8	32.0	32.0	20	6.0	--
AUG 23...	1005	0	9827	9827	7.8	34.0	31.0	20	4.2	--
SEP 26...	1030	0	9827	9827	--	24.0	20.0	15	7.9	--

DATE	TIME	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...	1325	--	2.2	130	170	14	18	212	.29
NOV 09...	1340	--	2.0	<4	200	24	20	262	.36
DEC 07...	1320	31	2.3	160	74	14	6.5	172	.23
JAN 11...	1105	29	2.0	32	52	6.0	4.0	213	.29
FEB 16...	0750	17	2.2	32	230	18	7.0	281	.38
MAR 16...	1035	15	2.8	20	260	22	9.0	321	.44
APR 26...	1430	24	2.3	8	--	7.0	5.0	--	--
MAY 24...	1400	26	1.9	50	--	--	7.0	202	.27
JUN 21...	1440	20	3.4	<4	--	17	13	195	.27
JUL 26...	0545	--	2.2	16	--	21	19	244	.33
AUG 23...	1005	14	3.0	<4	--	24	18	248	.34
SEP 26...	1030	--	2.1	28	--	24	14	222	.30

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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									
13...	1325	24	--	.040	.96	1.0	--	--	.110
NOV									
09...	1340	12	.010	.350	-.15	.20	.21	.93	.080
DEC									
07...	1320	101	.300	.180	.82	1.0	1.3	5.8	.430
JAN									
11...	1105	106	.210	.190	.91	1.1	1.3	5.8	.570
FEB									
16...	0750	85	.290	.110	1.2	1.3	1.6	7.0	--
MAR									
16...	1035	82	--	.160	.64	.80	--	--	.190
APR									
26...	1430	108	.780	.150	.95	1.1	1.9	8.3	.420
MAY									
24...	1400	126	.320	.200	1.3	1.5	1.8	8.1	.590
JUN									
21...	1440	34	.010	.010	.39	.40	.41	1.8	.200
JUL									
26...	0545	26	.020	.040	1.1	1.1	1.1	5.0	.190
AUG									
23...	1005	24	.020	.020	.68	.70	.72	3.2	.220
SEP									
26...	1030	19	.010	.020	3.0	3.0	3.0	13	.150

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	PCB, TOTAL (UG/L) (39516)
OCT									
13...	1325	.060	<5	<1	<1	10	<5	--	.0
NOV									
09...	1340	.050	--	<1	6	<10	--	--	--
DEC									
07...	1320	.230	--	--	--	11	--	50	--
JAN									
11...	1105	.380	8	<1	11	<10	--	--	--
FEB									
16...	0750	.200	--	<1	5	26	--	--	--
MAR									
16...	1035	.040	--	<1	8	<10	--	--	--
APR									
26...	1430	.220	5	--	--	--	<5	--	--
MAY									
24...	1400	.220	--	<1	5	<10	--	60	--
JUN									
21...	1440	--	--	<1	<1	110	--	--	--
JUL									
26...	0545	.050	7	1	3	16	<5	20	--
AUG									
23...	1005	.120	--	<1	<1	17	--	30	--
SEP									
26...	1030	.080	--	<1	<1	13	--	40	--

DATE	TIME	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)
OCT									
13...	1325	.000	.000	.000	.000	.000	.00	.00	.0

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 upstream from St. Francis River.

DRAINAGE AREA.--2,106 mi^2.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT 19...	1530	0	80513	80513	111	463	8.2	18.5	.50
NOV 17...	1100	0	80513	80513	117	560	8.2	9.5	.30
DEC 01...	0945	0	80513	80513	7390	147	7.7	10.0	.20
JAN 12...	1230	0	80513	80513	3930	204	7.5	5.0	.40
FEB 16...	0830	0	80513	80513	591	377	8.0	8.5	.60
MAR 16...	1430	9	80513	80513	824	447	8.2	14.0	.30
APR 14...	1530	9	80513	80513	9480	245	7.1	15.0	.30
MAY 11...	0930	9	80513	80513	16100	89	7.2	20.0	.20
JUN 15...	0800	9	80513	80513	1310	410	8.0	24.0	.30
JUL 13...	1000	9	80513	80513	938	398	8.1	29.0	.20
AUG 09...	0900	9	80513	80513	744	415	8.2	30.0	.20
SEP 14...	1130	9	80513	80513	231	412	8.4	26.0	.20

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)
OCT 19...	1530	9.2	99	760	48	14	90	93	95
NOV 17...	1100	10.2	89	762	56	18	66	82	90
DEC 01...	0945	8.4	75	755	343	6840	83	87	99
JAN 12...	1230	8.8	69	766	136	1440	96	97	98
FEB 16...	0830	10.8	93	755	47	75	76	87	96
MAR 16...	1430	10.3	102	750	34	76	81	96	98
APR 14...	1530	6.3	63	760	276	7060	82	87	98
MAY 11...	0930	6.7	74	760	191	8300	95	97	99
JUN 15...	0800	6.2	74	759	128	453	89	97	99
JUL 13...	1000	6.5	85	763	65	165	98	99	99
AUG 09...	0900	7.5	100	760	59	119	100	--	--
SEP 14...	1130	7.4	91	765	42	26	99	99	100

07046600 RIGHT HAND CHUTE OF LITTLE RIVER AT RIVERVALE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT								
19...	1530	100	48	88	99	99	100	--
NOV								
17...	1100	100	63	88	97	100	--	--
DEC								
01...	0945	100	73	92	97	99	100	--
JAN								
12...	1230	100	65	69	73	83	97	100
FEB								
16...	0830	100	4	31	73	99	100	--
MAR								
16...	1430	100	72	82	92	96	100	--
APR								
14...	1530	100	11	11	78	97	100	--
MAY								
11...	0930	100	1	1	6	87	100	--
JUN								
15...	0800	100	2	2	26	87	100	--
JUL								
13...	1000	100	3	3	34	93	100	--
AUG								
09...	0900	--	61	71	80	90	100	--
SEP								
14...	1130	--	97	98	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 Uni 08020204, at bridge on State Highway 119, 0.7 mi 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 12...	1300	0	9827	9827	1.0	8.1	14.0	18.0	8.0	12.8
NOV 09...	1315	0	9827	9827	7.0	9.1	22.0	16.0	4.4	20.0
DEC 07...	1255	0	9827	9827	57	7.1	10.0	11.0	170	6.3
JAN 11...	1035	0	9827	9827	18	7.6	7.0	7.0	25	10.5
FEB 16...	0720	0	9827	9827	--	7.6	4.0	9.0	20	8.4
MAR 15...	1010	0	9827	9827	--	7.9	20.0	17.0	15	15.4
APR 26...	1355	0	9827	9827	--	7.4	24.0	21.0	100	10.2
MAY 24...	1415	0	9827	9827	--	7.4	26.0	24.0	90	7.0
JUN 21...	1500	0	9827	9827	--	8.0	33.0	31.0	20	15.1
JUL 26...	1700	0	9827	9827	--	8.1	34.0	34.0	15	17.3
AUG 23...	0945	0	9827	9827	--	7.8	32.0	28.0	5.0	6.3
SEP 26...	1005	0	9827	9827	--	--	25.0	21.0	3.0	7.0

DATE	TIME	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 12...	1300	135	3.0	290	180	27	16	277	.38	11
NOV 09...	1315	200	1.8	<4	170	23	16	305	.41	9
DEC 07...	1255	57	4.4	19000	70	12	3.0	170	.23	60
JAN 11...	1035	86	2.2	410	230	25	12	291	.40	34
FEB 16...	0720	--	2.7	24	230	27	8.0	300	.41	40
MAR 15...	1010	--	2.3	32	200	25	10	282	.38	34
APR 26...	1355	--	7.1	110	--	13	5.0	--	--	177
MAY 24...	1415	--	5.8	--	--	--	8.0	276	.38	188
JUN 21...	1500	--	5.1	84	--	25	11	321	.44	54
JUL 26...	1700	--	5.5	380	--	25	12	290	.39	44
AUG 23...	0945	--	2.9	120	--	27	14	307	.42	16
SEP 26...	1005	--	.8	72	--	23	14	246	.33	5

07047400 PEMISCOT BAYOU AT DELL, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT										
12...	1300	--	.350	.480	.410	<1	<1	11	--	.0
NOV										
09...	1315	.520	.290	.360	.280	<1	8	<10	--	--
DEC										
07...	1255	.470	.350	.870	.500	--	--	<10	70	--
JAN										
11...	1035	.670	1.70	.580	.180	<1	<1	<10	--	.0
FEB										
16...	0720	.440	.250	--	.290	<1	10	41	--	--
MAR										
15...	1010	--	.170	.140	.020	<1	5	17	--	--
APR										
26...	1355	.440	.480	.550	.020	--	19	--	--	.0
MAY										
24...	1415	.330	.430	.750	.050	1	5	14	40	--
JUN										
21...	1500	.260	<.010	.240	--	1	<1	29	--	--
JUL										
26...	1700	.060	.020	.310	.070	<1	1	22	20	.0
AUG										
23...	0945	.020	<.010	.230	.130	<1	<1	20	30	--
SEP										
26...	1005	--	--	--	.120	<1	<1	21	90	--

DATE	TIME	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)
OCT									
12...	1300	.000	.000	.000	.000	.000	.00	.00	.0
JAN									
11...	1035	.000	.000	.000	.000	.000	.00	.00	.0
APR									
26...	1355	.000	.000	.000	.000	.000	.00	.00	.0
JUL									
26...	1700	.000	.000	.000	.000	.000	.00	.00	.0

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 downstream from Mack Bayou, and 2.1 mi east of Twist.

DRAINAGE AREA.--533 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 12...	1030	0	9827	9827	7.9	13.0	19.0	40	8.2	--
NOV 09...	1050	0	9827	9827	7.9	21.0	14.0	25	10.2	98
DEC 07...	1010	0	9827	9827	6.8	10.0	13.0	650	6.9	65
JAN 11...	0810	0	9827	9827	7.8	5.0	7.0	50	11.1	91
FEB 16...	0915	0	9827	9827	8.1	13.0	10.0	30	12.1	--
MAR 16...	1005	0	9827	9827	7.9	17.0	16.0	25	10.2	--
APR 26...	1245	0	9827	9827	6.8	24.0	17.0	550	7.7	--
MAY 24...	1630	0	9827	9827	7.1	23.0	24.0	310	4.8	--
JUN 21...	0830	0	9827	9827	7.9	29.0	26.0	55	7.5	--
JUL 26...	0920	0	9827	9827	8.0	30.0	29.0	35	7.1	--
AUG 23...	1835	0	9827	9827	8.3	35.0	33.0	50	12.2	--
SEP 26...	1300	0	9827	9827	--	32.0	24.0	35	9.2	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT 12...	1030	3.6	30	260	29	10	311	.42	70	--
NOV 09...	1050	1.8	28	280	30	9.5	334	.45	30	.010
DEC 07...	1010	2.6	570	36	6.0	2.0	218	.30	340	.270
JAN 11...	0810	3.3	44	210	28	7.0	261	.36	70	.270
FEB 16...	0915	3.7	8	250	32	6.5	304	.41	66	.010
MAR 16...	1005	2.2	44	--	64	9.0	353	.48	39	--
APR 26...	1245	3.0	400	--	7.0	3.0	--	--	273	.980
MAY 24...	1630	1.0	40	--	--	4.5	178	.24	225	.330
JUN 21...	0830	4.1	140	--	33	7.5	321	.44	88	.010
JUL 26...	0920	3.7	160	--	35	11	331	.45	80	.020
AUG 23...	1835	5.5	36	--	38	7.0	347	.47	118	.030
SEP 26...	1300	2.1	40	--	31	11	339	.46	64	.030

07047700 TYRONZA RIVER NEAR TWIST, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT										
12...	1030	.030	.180	.040	<5	<1	4	10	<5	--
NOV										
09...	1050	.030	.120	.060	--	<1	6	<10	--	--
DEC										
07...	1010	.160	.860	.370	--	--	--	16	--	80
JAN										
11...	0810	.010	.260	.090	--	<1	1	10	--	--
FEB										
16...	0915	.020	--	.150	--	<1	<1	21	--	--
MAR										
16...	1005	.060	.120	.020	--	<1	6	34	--	--
APR										
26...	1245	.120	.630	.280	10	--	23	--	<5	--
MAY										
24...	1630	.210	.570	.140	--	<1	7	31	--	60
JUN										
21...	0830	.040	.250	--	--	<1	3	22	--	--
JUL										
26...	0920	.010	.250	.060	5	1	<1	28	<5	160
AUG										
23...	1835	.030	.290	.110	--	<1	<1	27	--	50
SEP										
26...	1300	.030	.150	.040	--	<1	<1	32	--	40

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)
NOV										
09...	1050	.0	.000	.000	.000	.000	.000	.00	.00	.0
FEB										
16...	0915	.0	.000	.000	.000	.000	.000	.00	.00	.0
MAY										
24...	1630	.0	.000	.000	.000	.000	.000	.00	.00	.0
AUG										
23...	1835	.0	.000	.000	.000	.000	.000	.00	.00	.0

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

LOCATION.--Lat 35°16'23", long 90°33'33", in NE 1/4 SE 1/4 sec.33, T.8 N., R.5 E., Cross County, Hydrologic Unit 08020203, at bridge on U.S. Highway 64 at Parkin, 1.1 mi downstream from Tyronza River, and at mile 102.0.

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

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1965 to September 1981 in reports of Geological Survey. January 1930 to date in reports of Mississippi River Commission. Gage-height records since December 1892 in reports of Mississippi River Commission and National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 175.30 ft National Geodetic Vertical Datum of 1929. Prior to Sept. 10, 1948, nonrecording gage, and Sept. 11, 1948, to Apr. 24, 1968, water-stage recorder, at site 1.8 mi downstream at present datum.

REMARKS.--The greater part of St. Francis River floodflow is diverted through St. Francis River floodway at lock and dam about 4.0 mi northwest of Marked Tree, and is not included in records for this station. Diverted flow is included in records for St. Francis Bay at Riverfront (station 07047900) and returns to the St. Francis River downstream from Marianna. Some regulation since April 1, 1941, by Wappapello Lake (Missouri) 207 mi upstream, capacity, 625,000 acre-ft. Stage-discharge relation affected by backwater during high stages of Mississippi River.

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--51 years, 2,749 ft^3/s, 1,992,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,300 ft^3/s Jan. 31, 1930; maximum gage height, 34.2 ft Feb. 4-6, 1937, backwater from Mississippi River; minimum discharge, 174 ft^3/s Nov. 12, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1892, 41.6 ft Apr. 4-6, 1897 (not comparable to stages since 1930 because of levee construction).

EXTREMES FOR WATER YEAR 1979.--Maximum discharge, 13,600 ft^3/s Apr. 4, gage height 24.54 ft; minimum daily, 822 ft^3/s Oct. 3.

EXTREMES FOR WATER YEAR 1980.--Maximum discharge, 9,030 ft^3/s Apr. 9; maximum gage height, 18.58 ft Mar. 19; minimum discharge, 232 ft^3/s Sept. 16.

EXTREMES FOR WATER YEAR 1981.--Maximum discharge, 10,900 ft^3/s June 8; maximum gage height, 23.46 ft June 9; minimum daily discharge, 240 ft^3/s Jan. 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1220	1220	2670	3790	1980	10200	5320	3330	3490	1300	2760	2350
2	999	1200	3220	5070	1750	9770	11200	3220	3660	2070	2710	2770
3	822	1160	4540	4670	1670	9050	13200	3140	4640	2410	2670	2740
4	827	1150	5900	3440	1800	9240	13400	5480	4410	2480	2630	2460
5	843	1160	7380	2400	1930	9260	13100	8130	3880	2510	2600	2250
6	864	1180	8370	1830	1860	8420	12200	9120	3450	2510	2550	2140
7	873	1290	8810	1520	1730	7230	10700	9160	3140	2530	2460	2080
8	932	1490	9270	1330	1680	6170	9060	8170	2960	2560	2460	2040
9	990	1540	9700	1230	1560	5230	7760	6980	2840	2660	2500	1920
10	1010	1440	10100	1170	1400	4610	6770	5930	2750	2880	2550	1820
11	1030	1250	10600	1150	1310	4340	6040	5040	2690	2880	2970	1640
12	1080	1100	11100	1120	1500	4210	6780	5520	2700	2760	3040	1530
13	1070	1020	11300	1140	3070	3940	7040	6290	2700	2690	2940	1530
14	1060	999	10200	1160	4220	3740	6570	5820	2670	2700	2820	1520
15	1090	1020	8830	1280	4380	3520	5760	4860	2610	2710	2670	1500
16	1100	1080	7720	1470	4190	3320	5020	4150	2520	2690	2580	1490
17	1070	1400	6880	1420	3490	3160	4360	3660	2420	2670	2490	1490
18	1060	2830	6180	1980	2600	3050	3930	3420	2280	2610	2370	1480
19	1100	4140	5510	3310	2090	3040	3500	3170	2090	2560	2310	1540
20	1110	4020	4930	5800	1860	3560	3350	2940	1980	2500	2320	1650
21	1120	3540	4210	7330	2090	3690	3150	2920	1940	2450	2360	2930
22	1130	3210	3360	7330	2870	3700	2960	4110	1880	2350	2430	4310
23	1150	3180	2690	6400	5730	4940	3240	6090	2410	2070	2650	4630
24	1150	3300	2220	6350	9130	6990	5790	7940	3020	1830	2610	4340
25	1170	3120	2000	6400	11200	6950	7640	7920	2560	1760	2520	3880
26	1180	2700	1800	5540	11900	5520	7700	6690	1850	1830	2430	3300
27	1160	2990	1530	4400	11800	4160	6730	5320	1400	2200	2360	2840
28	1150	3830	1260	3700	10900	3750	5400	4290	1190	2570	2370	2540
29	1170	3790	1060	3230	---	3570	4210	4010	1100	2740	2360	2370
30	1190	3160	995	2750	---	3400	3590	3850	1070	2760	2270	2320
31	1210	---	1560	2290	---	3590	---	3680	---	2760	2180	---
TOTAL	32930	64509	175895	102000	111690	165320	205470	164350	78300	76000	78940	71400
MEAN	1062	2150	5674	3290	3989	5333	6849	5302	2610	2452	2546	2380
MAX	1220	4140	11300	7330	11900	10200	13400	9160	4640	2880	3040	4630
MIN	822	999	995	1120	1310	3040	2960	2920	1070	1300	2180	1480
AC-FT	65320	128000	348900	202300	221500	327900	407500	326000	155300	150700	156600	141600

CAL YR 1978 TOTAL 1047852 MEAN 2871 MAX 13000 MIN 453 AC-FT 2078000
WTR YR 1979 TOTAL 1326804 MEAN 3635 MAX 13400 MIN 822 AC-FT 2632000

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

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	2340	677	1780	870	637	1880	5600	2800	1760	1140	572	344
2	2370	633	1470	846	619	1870	4410	2750	1750	934	548	335
3	2340	546	1290	883	629	1870	3900	2600	1720	852	518	340
4	2200	506	1170	1060	652	1870	4230	2370	1700	799	516	334
5	2040	487	998	1400	649	1880	4240	2240	1660	778	524	327
6	1890	476	866	1400	659	1910	4010	2180	1610	959	529	320
7	1660	469	753	1250	666	2000	3900	2130	1530	1100	537	311
8	1520	472	719	1210	673	2350	5860	2020	1460	934	529	300
9	1520	476	718	1160	692	2500	8690	1920	1380	774	502	292
10	1530	468	664	1080	685	2300	8300	1840	1290	846	487	285
11	1540	475	624	1140	672	2110	6640	1760	1040	1360	472	275
12	1550	456	742	1230	664	2060	5470	1690	847	1570	464	266
13	1540	433	2380	1330	695	2110	5390	1880	783	1600	434	258
14	1430	422	4320	1430	1020	1800	6620	2550	813	1590	417	258
15	867	410	4490	1520	1570	1390	6950	2550	926	1570	420	253
16	692	402	3440	1600	3020	1530	6060	2350	786	1530	429	237
17	846	395	2280	1470	4220	5180	4780	2490	708	1340	421	272
18	1370	386	1580	1340	3760	7890	4130	2620	754	838	423	345
19	1500	377	1220	1150	2580	8250	3690	2480	832	585	415	402
20	1490	374	1010	979	1760	7500	3340	2200	904	532	402	389
21	1470	431	856	888	1480	7060	3040	2040	872	536	393	335
22	1470	2640	773	1140	1300	6590	2820	2350	872	2840	379	296
23	1260	5770	837	2150	1110	5530	2670	3540	904	3500	373	430
24	816	6940	2960	2120	1130	5740	2540	3410	1690	2460	366	909
25	596	6600	5540	1510	1650	5940	2750	2810	3010	1390	370	1950
26	530	6040	5790	1050	1860	5360	3160	2310	3420	823	360	2100
27	515	5650	4530	852	1890	4600	2940	2050	2920	638	350	1690
28	528	4790	2890	765	1880	4470	2670	1940	2280	611	349	1400
29	534	3480	1870	715	1870	5070	2640	1910	1980	601	347	1800
30	530	2380	1430	694	---	5790	2800	1850	1540	586	344	1490
31	590	---	1250	674	---	6130	---	1790	---	578	349	---
TOTAL	41074	54061	61240	36906	40692	122530	134240	71420	43741	36194	13539	18543
MEAN	1325	1802	1975	1191	1403	3953	4475	2304	1458	1168	437	618
MAX	2370	6940	5790	2150	4220	8250	8690	3540	3420	3500	572	2100
MIN	515	374	624	674	619	1390	2540	1690	708	532	344	237
AC-FT	81470	107200	121500	73200	80710	243000	266300	141700	86760	71790	26850	36780

CAL YR 1979 TOTAL 1209845 MEAN 3315 MAX 13400 MIN 374 AC-FT 2400000
WTR YR 1980 TOTAL 674180 MEAN 1842 MAX 8690 MIN 237 AC-FT 1337000

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	972	653	1930	425	669	472	2440	1830	7130	1800	2220	2430
2	587	593	1290	416	1720	476	2000	1760	8100	2680	1950	3570
3	403	554	990	405	2000	506	1770	1730	8240	3400	1770	3790
4	322	504	905	393	1460	1750	2030	1700	7810	3570	1640	3270
5	287	456	875	386	834	3740	3560	1680	7120	3230	1600	2600
6	273	417	883	394	577	4050	4190	1660	8890	2860	1560	2120
7	269	385	918	417	497	3380	3690	1640	10500	3260	1580	1820
8	262	363	1070	432	431	2560	2800	1610	10900	3350	1630	1640
9	260	350	3920	431	366	2030	2330	1600	10900	2980	1690	1570
10	260	338	5720	414	663	1750	2130	1580	10600	2650	1650	1540
11	254	323	5560	397	2480	1640	1980	1590	10000	2500	1590	1380
12	248	310	4480	384	2850	1600	1880	1970	8940	2340	1540	892
13	247	295	3120	377	2190	1560	1820	2180	7490	2170	1520	577
14	247	643	2050	371	1280	1530	1780	2190	6190	2000	1500	500
15	251	2180	1440	371	754	1530	1730	2680	5100	1960	1480	474
16	258	2210	1100	377	617	1570	1700	3350	4280	1950	1480	462
17	301	3020	848	369	613	1590	1690	3380	3760	1910	1480	452
18	525	4920	739	355	638	1600	1670	3310	3570	1940	1550	433
19	1270	5500	666	347	612	1580	1660	3090	3440	1960	1680	433
20	2120	5010	600	358	530	1550	1650	2800	3290	1970	1700	415
21	2560	3840	545	378	450	1530	1630	2400	3080	2030	1630	411
22	2570	2500	504	370	412	1550	1680	1960	2780	2670	1540	413
23	2470	1580	491	355	407	1550	1940	1760	2330	3430	1510	402
24	2380	1150	499	336	408	1530	2120	1720	2000	3220	1510	381
25	2150	927	494	317	410	1540	2070	1760	1900	2640	1500	367
26	1800	805	483	304	417	1550	2030	2320	1940	2330	1480	352
27	1600	2000	464	291	417	1550	2270	3470	1860	2640	1480	346
28	1410	3350	456	279	422	1540	2430	3860	1790	2740	1500	336
29	1150	3590	452	265	---	1740	2250	3590	1700	2770	1540	318
30	1010	2900	444	258	---	2750	1980	3240	1660	2820	1580	308
31	804	---	435	240	---	2840	---	5090	---	2580	1660	---
TOTAL	29520	51666	44371	11212	25124	56134	64900	74500	167290	80350	49740	34002
MEAN	952	1722	1431	362	897	1811	2163	2403	5576	2592	1605	1133
MAX	2570	5500	5720	432	2850	4050	4190	5090	10900	3570	2220	3790
MIN	247	295	435	240	366	472	1630	1580	1660	1800	1480	308
AC-FT	58550	102500	88010	22240	49830	111300	128700	147800	331800	159400	98660	67440

CAL YR 1980 TOTAL 643362 MEAN 1758 MAX 8690 MIN 237 AC-FT 1276000
WTR YR 1981 TOTAL 688809 MEAN 1887 MAX 10900 MIN 240 AC-FT 1366000

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 25...	1115	0	80513	80010	1370	285	7.8	13.0	23	8.8
FEB 24...	1400	0	80513	80010	1860	358	8.2	13.0	34	10.2
APR 28...	0830	9	80513	80010	5960	150	7.6	16.5	220	7.1
SEP 07...	1015	9	80513	80010	743	451	8.1	27.0	28	5.6

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
OCT 25...	1115	84	760	K43	K44	130	0	0	34	11
FEB 24...	1400	98	753	77	340	180	16	16	49	14
APR 28...	0830	73	757	240	1600	69	11	11	19	5.1
SEP 07...	1015	71	761	K89	800	210	0	0	58	16

DATE	TIME	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)
OCT 25...	1115	6.3	9	.2	3.0	131	16	5.6	.10	13
FEB 24...	1400	11	12	.4	2.7	165	22	9.0	.20	15
APR 28...	0830	7.6	19	.4	.80	58	11	6.3	.10	10
SEP 07...	1015	14	13	.4	1.9	211	21	9.4	.30	18

DATE	TIME	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, NITRATE DISSOLVED (MG/L AS N) (00618)	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)
OCT 25...	1115	173	170	.24	--	<.100	.080	.10	.40	.150
FEB 24...	1400	241	220	.33	.120	.120	.110	.14	.60	.220
APR 28...	0830	100	96	.14	.640	.640	.100	.13	.60	.320
SEP 07...	1015	300	270	.41	--	<.100	.070	.09	.40	.190

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
OCT 25...	1115	.46	.040	.050	20	3	180	<1	<1	<1
FEB 24...	1400	.67	.090	.070	<10	2	240	<1	1	<1
APR 28...	0830	.98	.090	.070	100	1	560	<1	<1	<1
SEP 07...	1015	.58	.140	.150	20	4	460	<.5	<1	3

DATE	TIME	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
OCT 25...	1115	<3	6	22	4	<4	13	.1	<10
FEB 24...	1400	<3	3	<3	2	5	<1	<.1	<10
APR 28...	0830	<3	6	310	5	<4	6	<.1	<10
SEP 07...	1015	<3	9	23	2	<4	2	<.1	<10

DATE	TIME	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	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 25...	1115	1	<1	<1	120	11	68	252	72
FEB 24...	1400	9	<1	<1	200	5	69	347	96
APR 28...	0830	4	<1	<1	79	31	340	5470	99
SEP 07...	1015	5	<1	<1	240	100	53	106	95

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 northwest of Marked Tree.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
NOV									
17...	0900	0	80513	80513	--	421	300	8.6	9.0
DEC									
02...	0830	0	80513	80513	67	8040	128	7.0	12.5
02...	0930	0	80513	80513	68	623	--	--	12.5
02...	1015	0	80513	80513	68	3150	--	--	14.0
02...	1100	0	80513	80513	68	607	--	--	14.0
02...	1130	0	80513	80513	68	260	--	--	14.5
JAN									
12...	1300	0	80513	80513	67	7940	121	7.6	5.5
12...	1400	0	80513	80513	68	1030	--	--	5.5
12...	1500	0	80513	80513	68	3070	--	--	4.5
12...	1530	0	80513	80513	68	2560	--	--	5.5
12...	1600	0	80513	80513	68	224	--	--	6.0
FEB									
15...	1145	0	80513	80513	67	3030	210	7.6	7.0
15...	1230	0	80513	80513	68	795	--	--	7.0
MAR									
16...	0800	9	80513	80513	67	1700	226	7.8	14.0
16...	1000	9	80513	80513	68	154	--	--	14.0
APR									
12...	1410	9	80513	80513	67	7640	135	7.4	15.5
12...	1450	9	80513	80513	68	919	138	7.5	16.0
12...	1525	9	80513	80513	68	3320	--	--	16.0
12...	1615	9	80513	80513	68	132	--	--	16.0
12...	1630	9	80513	80513	68	30	--	--	16.0
MAY									
10...	1400	9	80513	80513	67	10300	98	7.2	19.0
10...	1430	9	80513	80513	68	6960	98	7.2	19.0
10...	1500	9	80513	80513	68	7650	--	--	19.0
10...	1530	9	80513	80513	68	9360	--	--	19.0
10...	1600	9	80513	80513	68	1520	--	--	19.0
JUN									
15...	1430	9	80513	80513	67	4350	159	7.5	24.0
15...	1530	9	80513	80513	68	1370	--	--	24.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)
NOV									
17...	0900	.50	10.5	91	762	28	32	75	82
DEC									
02...	0830	.20	7.4	70	757	149	3230	80	86
02...	0930	.20	--	--	--	106	178	95	95
02...	1015	.20	--	--	--	157	1340	93	95
02...	1100	.20	--	--	--	169	277	95	97
02...	1130	.20	--	--	--	200	140	99	99
JAN									
12...	1300	.00	11.1	87	769	33	707	86	93
12...	1400	.00	--	--	--	31	86	97	97
12...	1500	.00	--	--	--	46	381	91	93
12...	1530	.00	--	--	--	139	961	98	98
12...	1600	.00	--	--	--	142	86	97	97
FEB									
15...	1145	.40	9.6	79	761	97	794	36	40
15...	1230	.40	--	--	--	48	103	86	91
MAR									
16...	0800	.20	8.9	88	749	102	468	62	63
16...	1000	.00	--	--	--	63	26	98	98
APR									
12...	1410	.20	8.0	81	752	147	3030	82	86
12...	1450	.20	7.8	80	752	121	300	99	99
12...	1525	.20	--	--	--	199	1780	98	99
12...	1615	.20	--	--	--	310	110	99	99
12...	1630	.20	--	--	--	207	17	99	99
MAY									
10...	1400	.00	5.6	60	763	136	3780	93	96
10...	1430	.00	5.5	59	763	160	3010	82	88
10...	1500	.00	--	--	--	216	4460	97	97
10...	1530	.00	--	--	--	230	5810	98	98
10...	1600	.00	--	--	--	212	870	98	98
JUN									
15...	1430	.20	6.2	74	760	154	1810	81	87
15...	1530	.20	--	--	--	144	533	87	94

ST. FRANCIS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
NOV									
17...	0900	90	100	0	0	62	99	100	--
DEC									
02...	0830	99	100	0	0	44	94	100	--
02...	0930	97	100	16	24	84	98	100	--
02...	1015	99	100	11	12	21	89	100	--
02...	1100	99	100	19	23	56	95	100	--
02...	1130	99	100	82	85	93	98	99	100
JAN									
12...	1300	97	100	0	0	1	89	100	--
12...	1400	98	100	7	10	77	98	100	--
12...	1500	96	100	3	12	65	98	100	--
12...	1530	98	100	42	45	69	97	99	100
12...	1600	98	100	25	26	33	40	41	--
FEB									
15...	1145	59	100	0	0	6	88	100	--
15...	1230	94	100	6	19	90	100	--	--
MAR									
16...	0800	82	100	0	0	25	93	99	100
16...	1000	99	100	3	3	27	97	100	--
APR									
12...	1410	99	100	1	1	57	97	100	--
12...	1450	99	100	11	15	74	99	100	--
12...	1525	100	--	2	3	71	99	100	--
12...	1615	99	100	62	67	78	88	94	100
12...	1630	99	100	37	39	54	66	71	--
MAY									
10...	1400	99	100	1	1	18	95	100	--
10...	1430	97	100	14	16	40	87	97	100
10...	1500	98	100	22	25	45	79	80	--
10...	1530	99	100	46	58	83	98	99	100
10...	1600	99	100	10	11	16	24	33	--
JUN									
15...	1430	96	100	1	1	28	97	100	--
15...	1530	99	100	16	21	53	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 east of Birdeye.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV											
16...	1300	0	80513	80513	--	397	9.5	.50	26	28	79
DEC											
01...	1300	0	80513	80513	--	10100	11.0	.20	439	12000	60
JAN											
13...	0800	0	80513	80513	67	15300	5.0	.20	96	3970	71
13...	0900	0	80513	80513	68	1120	4.5	.20	124	375	97
FEB											
16...	1450	0	80513	80513	--	4180	10.0	.60	69	779	77
MAR											
16...	1230	9	80513	80513	--	2090	14.0	.00	79	446	93
APR											
13...	0810	9	80513	80513	--	11600	16.0	.20	230	7200	69
MAY											
11...	0830	9	80513	80513	67	21500	20.0	.00	228	13200	71
11...	0930	9	80513	80513	68	9200	21.0	.00	168	4170	99
JUN											
16...	0830	9	80513	80513	--	5770	23.5	.20	149	2320	85

DATE	TIME	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)
NOV										
16...	1300	85	100	--	--	1	2	68	99	100
DEC										
01...	1300	75	97	99	100	0	0	59	96	100
JAN										
13...	0800	79	98	100	--	1	1	33	92	100
13...	0900	97	100	--	--	41	43	47	53	55
FEB										
16...	1450	85	97	99	100	1	1	73	99	100
MAR										
16...	1230	96	98	100	--	0	0	65	98	100
APR										
13...	0810	78	99	100	--	1	3	68	99	100
MAY										
11...	0830	74	89	100	--	1	1	75	99	100
11...	0930	99	99	100	--	93	95	97	99	100
JUN										
16...	0830	93	99	100	--	5	6	59	97	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 Uni 08020203, at bridge on State Highway 42, 1.8 mi east of Birdeye.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV									
16...	1200	0	80513	80513	61	505	8.1	7.5	.50
DEC									
01...	1240	0	80513	80513	.00	125	7.7	11.0	--
JAN									
13...	1230	0	80513	80513	1290	250	7.4	8.5	.20
FEB									
16...	1500	0	80513	80513	304	--	--	--	--
MAR									
16...	1530	9	80513	80513	258	410	8.0	17.5	.30
APR									
13...	0750	9	80513	80513	.00	270	7.8	16.0	--
MAY									
11...	0800	9	80513	80513	.00	100	7.2	21.0	--
JUN									
16...	1030	9	80513	80513	601	370	7.9	23.0	.20

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)
NOV								
16...	1200	11.8	98	765	31	5.1	65	80
DEC								
01...	1240	8.4	77	755	--	--	--	--
JAN								
13...	1230	9.9	84	765	168	585	94	98
MAR								
16...	1530	9.6	103	746	45	31	97	98
APR								
13...	0750	8.8	91	751	--	--	--	--
MAY								
11...	0800	6.1	68	762	--	--	--	--
JUN								
16...	1030	4.9	57	762	110	178	94	95

DATE	TIME	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)
NOV								
16...	1200	94	100	15	45	87	97	100
JAN								
13...	1230	99	100	14	14	94	100	--
MAR								
16...	1530	100	--	3	3	92	99	100
JUN								
16...	1030	95	100	3	4	84	99	100

07047900 ST. FRANCIS BAY AT RIVERFRONT, AR

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 west of Parkin.

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

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1965 to September 1981 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 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 northwest of Marked Tree. Some regulation by Wappapello Lake (Missouri) since Apr. 1, 1941, capacity, 625,000 acre-ft. Stage-discharge relation affected by backwater during high stages of Mississippi River.

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--44 years (1936-75, 78-81), 5,274 ft^3/s, 3,821,000 acre-ft/yr.

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

EXTREMES FOR WATER YEAR 1981.--Maximum daily discharge, 16,600 ft^3/s June 7, 8; minimum daily, 88 ft^3/s Apr. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	749	1260	3270	1950	1290	1460	818	788	13400	2290	2470	2590
2	666	1110	2930	2420	2040	2120	837	603	12100	2930	2520	3420
3	593	962	2660	1540	2820	1900	817	530	11100	6410	2560	2760
4	528	925	2460	1530	3680	1460	1380	466	10100	6240	2650	1730
5	460	866	2270	2100	4530	2640	1730	425	9360	5580	2550	1180
6	424	829	2140	1530	3920	3130	1090	424	14900	4510	2390	981
7	350	846	2000	1030	2270	3600	988	425	16600	3720	2590	888
8	1730	877	2080	2000	2100	3240	1740	422	16600	4120	2600	730
9	720	889	5560	1700	2500	2220	1320	421	15700	5390	2490	560
10	438	900	6530	1010	2320	1070	440	427	14300	4910	2440	453
11	408	932	5820	972	3480	1120	256	432	14000	4380	2580	427
12	390	980	5760	2110	3490	1100	175	453	14200	4560	2570	587
13	376	1020	3500	1300	4200	1100	129	827	14200	3690	2480	753
14	369	1470	4750	854	4650	955	88	1130	13900	2190	2240	876
15	356	1660	3500	1060	3830	774	103	2140	13300	3750	2180	1320
16	343	1430	2710	1490	3110	902	125	2860	13200	2700	2040	1920
17	405	4180	2590	1460	2740	998	147	4530	12600	1880	1820	1630
18	3100	7300	2340	1430	2630	991	191	4700	11300	2700	3140	1200
19	4090	6620	2110	1440	2470	903	238	5210	9460	2940	3330	966
20	5100	5930	2060	1460	2390	852	285	3510	7700	2640	2700	961
21	4300	4340	1960	1640	2310	789	331	2890	6160	3110	2220	982
22	2230	3320	1690	2140	1640	867	379	3100	4940	3440	1610	905
23	1230	2970	1530	1260	1940	825	467	1470	4870	4770	1400	823
24	547	2890	1510	873	2210	628	452	1160	3060	4340	1400	815
25	373	2770	1500	2060	1550	536	587	1490	4290	3650	1280	860
26	332	2680	1580	1480	1600	530	839	3510	3250	4480	998	984
27	343	3740	1600	819	2120	523	981	6000	4640	3460	952	1000
28	904	4200	2470	953	1850	520	1270	4030	4280	2890	929	895
29	907	4530	1890	1640	---	643	1240	3630	3420	2630	925	586
30	2120	4140	1590	1570	---	1030	1060	6040	2700	2830	939	518
31	1470	---	1740	1380	---	873	---	11600	---	2720	1060	---
TOTAL	36351	76566	86100	46201	75680	40299	20503	75643	299630	115850	64053	34300
MEAN	1173	2552	2777	1490	2703	1300	683	2440	9988	3737	2066	1143
MAX	5100	7300	6530	2420	4650	3600	1740	11600	16600	6410	3330	3420
MIN	332	829	1500	819	1290	520	88	421	2700	1880	925	427
AC-FT	72100	151900	170800	91640	150100	79930	40670	150000	594300	229800	127000	68030

CAL YR 1980 TOTAL 1293175 MEAN 3533 MAX 13500 MIN 332 AC-FT 2565000
WTR YR 1981 TOTAL 971176 MEAN 2661 MAX 16600 MIN 88 AC-FT 1926000

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)
OCT										
20...	1000	0	80513	80513	--	665	264	8.1	16.0	--
NOV										
08...	1200	0	80513	80010	--	826	340	7.9	12.0	17
16...	0900	0	80513	80513	--	303	361	8.1	7.0	--
30...	1225	0	80513	80513	--	9320	148	7.1	9.0	--
JAN										
12...	1300	0	80513	80010	--	20800	136	7.6	5.0	100
13...	1230	0	80513	80513	67	17900	123	7.7	8.0	--
13...	1315	0	80513	80513	68	376	138	7.7	8.0	--
FEB										
15...	1430	0	80513	80513	--	3640	220	7.6	8.0	--
MAR										
07...	1300	0	80513	80010	--	3580	310	7.6	15.0	55
17...	0900	9	80513	80513	--	2160	234	8.1	14.0	--
APR										
15...	0830	9	80513	80513	--	13800	153	7.5	14.0	--
MAY										
10...	1300	9	80513	80010	--	27000	93	7.5	18.0	140
11...	1620	9	80513	80513	67	25800	94	7.0	20.0	--
11...	1650	9	80513	80513	68	853	94	7.0	20.0	--
JUN										
15...	1130	9	80513	80513	--	6950	190	7.4	23.5	--
JUL										
13...	1400	9	80513	80513	--	811	332	8.1	30.0	--
AUG										
03...	1600	9	80513	80010	--	318	332	8.2	29.0	1.8
09...	1400	9	80513	80513	--	1040	417	8.4	32.5	--
SEP										
07...	0945	9	80513	80010	--	158	434	8.2	25.0	17
14...	1500	9	80513	80513	--	490	409	8.5	28.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
OCT										
20...	1000	.10	8.9	90	765	--	--	--	--	--
NOV										
08...	1200	--	9.8	91	760	K37	K8	140	0	0
16...	0900	.60	11.0	90	766	--	--	--	--	--
30...	1225	.20	9.2	80	756	--	--	--	--	--
JAN										
12...	1300	--	9.8	76	770	K110	4800	59	5	5
13...	1230	.30	10.2	86	763	--	--	--	--	--
13...	1315	.30	10.2	86	763	--	--	--	--	--
FEB										
15...	1430	.40	9.2	78	758	--	--	--	--	--
MAR										
07...	1300	--	--	--	760	1000	E8000	140	10	10
17...	0900	.20	8.8	87	749	--	--	--	--	--
APR										
15...	0830	.20	5.5	53	764	--	--	--	--	--
MAY										
10...	1300	--	7.0	74	759	<11	<10	34	0	0
11...	1620	.30	7.7	85	758	--	--	--	--	--
11...	1650	.40	7.4	82	758	--	--	--	--	--
JUN										
15...	1130	.30	5.8	69	759	--	--	--	--	--
JUL										
13...	1400	.20	8.1	107	763	--	--	--	--	--
AUG										
03...	1600	--	7.9	103	760	K44	K40	190	5	5
09...	1400	.20	8.2	113	762	--	--	--	--	--
SEP										
07...	0945	--	5.2	63	760	K130	180	--	--	--
14...	1500	.20	10.8	138	765	--	--	--	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)
NOV										
08...	1200	38	12	8.2	11	.3	2.3	152	18	5.9
JAN										
12...	1300	15	5.2	5.6	17	.3	1.2	54	12	4.9
MAR										
07...	1300	38	10	10	14	.4	1.7	127	18	11
MAY										
10...	1300	9.0	2.8	3.9	20	.3	.60	35	10	3.0
AUG										
03...	1600	54	14	12	12	.4	2.2	188	24	6.9
SEP										
07...	0945	55	--	12	--	--	1.8	201	23	7.7

DATE	TIME	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)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	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)
NOV										
08...	1200	.10	14	196	190	.27	--	<.100	.060	.08
JAN										
12...	1300	.20	21	92	100	.13	.210	.210	.120	.15
MAR										
07...	1300	.30	13	172	180	.23	.150	.150	.110	.14
MAY										
10...	1300	.20	6.7	62	58	.08	.340	.340	.070	.09
AUG										
03...	1600	.30	19	239	250	.33	--	<.100	.050	.06
SEP										
07...	0945	.30	18	290	--	.39	--	<.100	.060	.08

DATE	TIME	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)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)
NOV										
08...	1200	.60	.160	.49	.090	.090	--	--	--	--
JAN										
12...	1300	.40	.210	.64	.060	.050	100	1	310	<1
MAR										
07...	1300	.50	.160	.49	.060	.070	<10	2	400	<1
MAY										
10...	1300	.90	.340	1.0	.090	.080	--	--	--	--
AUG										
03...	1600	.50	.120	.37	.090	.070	<10	3	480	<.5
SEP										
07...	0945	.30	.180	.55	.120	.100	20	3	420	<.5

DATE	TIME	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)
JAN										
12...	1300	<1	<1	<3	12	1500	2	<4	17	<.1
MAR										
07...	1300	<1	5	<3	20	57	3	<4	2	.2
AUG										
03...	1600	<1	2	<3	6	7	1	<4	42	<.1
SEP										
07...	0945	<1	2	<3	7	19	16	<4	9	<.1

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
OCT										
20...	1000	--	--	--	--	--	--	52	93	91
NOV										
08...	1200	--	--	--	--	--	--	30	67	--
16...	0900	--	--	--	--	--	--	30	25	57
30...	1225	--	--	--	--	--	--	397	9990	76
JAN										
12...	1300	<10	3	<1	<1	55	110	120	6740	--
13...	1230	--	--	--	--	--	--	112	5410	81
13...	1315	--	--	--	--	--	--	100	102	94
FEB										
15...	1430	--	--	--	--	--	--	158	1550	40
MAR										
07...	1300	<10	1	<1	<1	140	110	267	2580	--
17...	0900	--	--	--	--	--	--	90	525	81
APR										
15...	0830	--	--	--	--	--	--	208	7750	63
MAY										
10...	1300	--	--	--	--	--	--	658	48000	--
11...	1620	--	--	--	--	--	--	452	31500	33
11...	1650	--	--	--	--	--	--	158	364	90
JUN										
15...	1130	--	--	--	--	--	--	180	3380	83
JUL										
13...	1400	--	--	--	--	--	--	87	191	99
AUG										
03...	1600	<10	2	<1	<1	190	97	36	31	--
09...	1400	--	--	--	--	--	--	264	741	24
SEP										
07...	0945	<10	4	<1	<1	200	80	35	15	--
14...	1500	--	--	--	--	--	--	52	69	99

DATE	TIME	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. SIEVE DIAM. % FINER THAN .062 MM (70331)	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...	1000	94	96	100	--	0	0	66	99	100
NOV										
08...	1200	--	--	--	66	--	--	--	--	--
16...	0900	65	91	100	--	1	1	60	97	100
30...	1225	88	99	100	--	5	6	24	91	100
JAN										
12...	1300	--	--	--	91	--	--	--	--	--
13...	1230	86	98	100	--	0	0	67	99	100
13...	1315	94	96	100	--	47	85	95	100	--
FEB										
15...	1430	44	95	100	--	1	1	92	100	--
MAR										
07...	1300	--	--	--	41	--	--	--	--	--
17...	0900	85	98	100	--	1	1	79	99	100
APR										
15...	0830	72	81	100	--	1	2	62	99	100
MAY										
10...	1300	--	--	--	21	--	--	--	--	--
11...	1620	34	79	100	--	1	5	96	100	--
11...	1650	98	99	100	--	54	83	99	99	100
JUN										
15...	1130	92	98	100	--	1	2	54	98	100
JUL										
13...	1400	99	99	100	--	56	89	99	100	--
AUG										
03...	1600	--	--	--	79	--	--	--	--	--
09...	1400	25	77	100	--	2	4	81	99	100
SEP										
07...	0945	--	--	--	94	--	--	--	--	--
14...	1500	99	100	--	--	1	1	36	98	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 east of Colt.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV										
15...	1330	0	80513	80513	610	10.0	.60	29	48	82
30...	0845	0	80513	80513	10400	9.0	.20	469	13200	70
JAN										
14...	0800	0	80513	80513	21200	5.5	.20	140	8010	65
FEB										
15...	1615	0	80513	80513	4360	9.0	.40	69	812	79
MAR										
17...	0800	9	80513	80513	2190	14.0	.00	74	438	94
APR										
13...	1100	9	80513	80513	12100	16.5	.20	201	6570	91
MAY										
11...	1500	9	80513	80513	26300	20.0	.00	208	14800	76
JUN										
16...	1200	9	80513	80513	8150	23.0	.20	327	7200	94

DATE	TIME	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)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
NOV										
15...	1330	85	93	100	1	1	12	82	100	--
30...	0845	84	98	100	1	2	5	69	100	--
JAN										
14...	0800	74	97	100	0	0	10	70	100	--
FEB										
15...	1615	89	97	100	--	--	--	--	--	--
MAR										
17...	0800	97	98	100	8	15	36	77	97	100
APR										
13...	1100	98	99	100	--	--	--	--	--	--
MAY										
11...	1500	82	99	100	1	1	63	99	100	--
JUN										
16...	1200	97	99	100	14	16	20	88	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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT										
20...	1145	0	80513	80513	--	934	242	8.0	16.5	.40
NOV										
15...	1000	0	80513	80513	--	683	334	8.1	8.0	.60
29...	1255	0	80513	80513	--	9660	132	7.2	8.5	.20
JAN										
14...	0800	0	80513	80513	67	19600	136	7.2	5.0	.30
14...	0815	0	80513	80513	68	198	136	7.2	5.0	.30
FEB										
16...	0800	0	80513	80513	--	4650	240	7.4	7.0	.40
MAR										
17...	1045	9	80513	80513	--	2380	340	7.2	14.0	.20
APR										
15...	1145	9	80513	80513	--	13100	162	7.5	14.0	.10
MAY										
12...	0800	9	80513	80513	--	25100	94	7.1	20.0	.30
JUN										
15...	1530	9	80513	80513	--	7060	185	7.6	24.0	.20
JUL										
13...	1700	9	80513	80513	--	1000	329	8.0	30.0	.20
AUG										
10...	0800	9	80513	80513	--	1200	434	8.2	29.0	.00
SEP										
15...	0930	9	80513	80513	--	576	440	8.1	22.0	.20

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)
OCT									
20...	1145	8.9	91	766	56	141	93	96	97
NOV									
15...	1000	10.7	89	773	22	41	84	90	96
29...	1255	9.6	83	757	268	6990	85	98	99
JAN									
14...	0800	11.2	88	759	111	5870	86	90	98
14...	0815	11.2	88	759	112	60	93	96	98
FEB									
16...	0800	8.6	71	758	70	879	75	83	93
MAR									
17...	1045	9.2	91	748	82	527	98	98	99
APR									
15...	1145	5.3	51	765	117	4140	91	94	97
MAY									
12...	0800	6.4	71	760	156	10600	98	99	99
JUN									
15...	1530	5.7	68	759	146	2780	96	97	98
JUL									
13...	1700	7.8	103	763	47	127	93	95	96
AUG									
10...	0800	5.8	76	761	74	240	99	99	99
SEP									
15...	0930	6.6	76	762	72	112	99	99	100

07047907 ST. FRANCIS RIVER AT MADISON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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...	1145	100	--	6	63	97	99	100	--
NOV									
15...	1000	100	--	5	63	95	99	100	--
29...	1255	100	--	1	2	43	92	100	--
JAN									
14...	0800	100	--	1	1	4	25	95	100
14...	0815	100	--	49	88	99	99	100	--
FEB									
16...	0800	97	100	2	4	22	86	98	100
MAR									
17...	1045	100	--	7	38	97	99	100	--
APR									
15...	1145	100	--	6	6	44	91	100	--
MAY									
12...	0800	100	--	1	1	29	76	99	100
JUN									
15...	1530	100	--	16	21	66	94	100	--
JUL									
13...	1700	99	100	4	4	17	36	82	--
AUG									
10...	0800	100	--	11	21	44	62	90	--
SEP									
15...	0930	--	--	8	22	39	56	87	--

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 west of Cherry Valley.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
OCT									
20...	0830	0	80513	80513	--	3.0	402	7.7	16.0
NOV									
30...	1530	0	80513	80513	67	502	139	6.7	10.0
30...	1600	0	80513	80513	68	1420	129	6.8	9.5
JAN									
13...	0845	0	80513	80513	67	120	140	7.6	5.0
13...	0915	0	80513	80513	68	96	140	7.6	5.0
FEB									
16...	1130	0	80513	80513	67	68	163	7.5	10.0
16...	1200	0	80513	80513	68	18	163	7.5	10.5
MAR									
16...	1630	9	80513	80513	--	57	158	7.5	15.0
APR									
14...	1900	9	80513	80513	67	180	98	6.9	15.0
14...	1930	9	80513	80513	67	499	99	6.9	15.0
MAY									
11...	1320	9	80513	80513	67	192	93	7.0	19.0
11...	1345	9	80513	80513	68	422	92	7.0	19.0
JUN									
15...	1000	9	80513	80513	--	38	205	7.1	24.0
JUL									
13...	1300	9	80513	80513	--	16	366	7.4	30.0
AUG									
09...	1200	9	80513	80513	--	20	438	7.9	29.5
SEP									
14...	1400	9	80513	80513	--	57	647	8.2	25.5

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)
OCT									
20...	0830	.10	10.2	103	765	173	1.4	97	98
NOV									
30...	1530	.20	7.3	65	755	89	121	94	98
30...	1600	.20	8.0	71	755	88	337	97	98
JAN									
13...	0845	.20	10.1	79	762	98	32	97	98
13...	0915	.30	10.0	78	762	87	23	96	96
FEB									
16...	1130	.20	9.1	81	755	205	38	98	98
16...	1200	.20	8.7	79	755	143	6.9	99	99
MAR									
16...	1630	.30	7.7	78	748	224	34	99	99
APR									
14...	1900	.00	5.3	53	760	277	135	84	84
14...	1930	.00	6.1	61	760	220	296	73	76
MAY									
11...	1320	.20	4.7	51	758	224	116	97	97
11...	1345	.20	5.1	55	758	229	261	99	99
JUN									
15...	1000	.00	3.1	37	759	192	20	96	97
JUL									
13...	1300	.20	4.1	54	763	219	9.5	99	99
AUG									
09...	1200	.00	5.7	75	760	142	7.7	100	--
SEP									
14...	1400	.00	5.7	70	763	149	23	92	95

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT									
20...	0830	99	100	3	3	46	93	98	100
NOV									
30...	1530	98	100	38	40	75	98	100	--
30...	1600	98	100	63	65	77	87	91	--
JAN									
13...	0845	99	100	5	6	59	99	100	--
13...	0915	98	100	76	77	82	95	97	100
FEB									
16...	1130	99	100	12	13	61	96	98	--
16...	1200	99	100	16	16	18	21	23	--
MAR									
16...	1630	99	100	10	11	37	88	99	100
APR									
14...	1900	96	100	33	34	63	95	100	--
14...	1930	91	100	30	30	34	44	48	--
MAY									
11...	1320	98	100	20	35	88	99	100	--
11...	1345	99	100	18	19	20	21	23	--
JUN									
15...	1000	98	100	6	7	68	99	100	--
JUL									
13...	1300	99	100	4	5	67	97	99	100
AUG									
09...	1200	--	--	5	6	55	98	100	--
SEP									
14...	1400	98	100	2	2	66	98	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 downstream from Lick Creek, 3.9 mi northwest of Colt, and at mile 52.8.

DRAINAGE AREA.--535 mi^2.

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records good.

AVERAGE DISCHARGE.--13 years, 748 ft^3/s, 18.99 in/yr, 541,900 acre-ft/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,550 ft^3/s May 19, gage height, 15.78 ft; minimum recorded, 5.6 ft^3/s, Nov. 1, but may have been less during period of no gage height record Oct. 19-31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	5.7	3710	4750	575	205	69	1210	773	171	33	125
2	35	7.6	3270	3970	691	187	309	1230	700	157	33	134
3	33	9.9	3180	3300	732	167	342	1800	620	167	35	136
4	31	8.3	4950	2790	796	138	330	2110	545	153	42	135
5	30	8.8	5270	2370	827	295	868	2620	466	214	48	133
6	29	9.5	5180	2040	902	598	1520	2790	394	207	68	133
7	28	9.0	4520	1780	887	549	2830	2630	316	211	89	152
8	30	7.8	3670	1550	843	658	4010	2370	245	231	120	169
9	94	7.6	2950	1350	800	713	3980	2100	158	226	169	170
10	181	8.8	2480	1180	764	704	3450	1860	90	200	194	165
11	313	9.1	2310	1020	720	652	2830	1680	54	166	194	162
12	397	9.9	2140	909	663	594	2290	1780	39	134	180	163
13	411	12	1890	809	599	536	1970	1760	34	101	140	169
14	377	10	1700	732	538	473	2050	1550	79	66	102	173
15	322	8.9	2090	652	478	409	2020	5000	310	46	80	168
16	244	8.7	2200	573	427	348	1990	6580	276	38	79	164
17	160	21	2070	498	377	300	1830	6610	246	31	82	169
18	75	37	2040	434	337	241	1630	6510	222	31	81	173
19	39	124	1830	375	301	181	1390	7980	191	51	81	176
20	30	577	1630	323	269	130	1210	6810	161	92	81	186
21	27	836	1480	279	241	99	1030	5650	135	118	84	218
22	24	1130	1360	245	245	86	918	4550	113	105	86	222
23	22	1780	1230	222	307	77	1510	3690	101	71	88	222
24	19	1870	1110	198	272	67	2080	2880	128	45	92	219
25	17	1810	1140	182	256	57	2030	2270	164	34	96	208
26	15	1710	1580	175	261	51	2120	1910	203	43	100	193
27	13	1690	3160	180	248	50	1980	1640	255	48	98	178
28	11	2760	6740	178	225	44	1690	1390	229	37	99	157
29	9.8	3260	6820	278	---	42	1460	1190	207	34	99	128
30	8.1	3770	6450	400	---	56	1310	1010	186	33	104	99
31	6.9	---	5610	364	---	81	---	878	---	33	109	---
TOTAL	3068.8	21516.6	95760	34106	14581	8788	53046	94038	7640	3294	2986	4999
MEAN	99.0	717	3089	1100	521	283	1768	3033	255	106	96.3	167
MAX	411	3770	6820	4750	902	713	4010	7980	773	231	194	222
MIN	6.9	5.7	1110	175	225	42	69	878	34	31	33	99
CFSM	.19	1.34	5.77	2.06	.97	.53	3.31	5.67	.48	.20	.18	.31
IN.	.21	1.50	6.66	2.37	1.01	.61	3.69	6.54	.53	.23	.21	.35
AC-FT	6090	42680	189900	67650	28920	17430	105200	186500	15150	6530	5920	9920

CAL YR 1982 TOTAL 295874.4 MEAN 811 MAX 6820 MIN 5.7 CFSM 1.52 IN 20.57 AC-FT 586900
WTR YR 1983 TOTAL 343823.4 MEAN 942 MAX 7980 MIN 5.7 CFSM 1.76 IN 23.91 AC-FT 682000

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	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)
OCT											
20...	1100	0	80513	80513	--	17	387	7.7	15.5	.00	5.2
NOV											
08...	1030	0	80513	80010	--	8.0	393	7.6	11.0	--	2.8
16...	0800	0	80513	80513	--	8.0	515	7.7	7.0	--	6.4
29...	1600	0	80513	80513	67	1920	167	6.8	9.5	.20	7.8
29...	1630	0	80513	80513	68	1450	140	6.7	10.0	.20	8.0
JAN											
12...	1045	0	80513	80010	--	934	108	7.3	5.0	--	7.6
13...	1030	0	80513	80513	--	819	118	7.6	6.0	.30	9.4
FEB											
16...	1040	0	80513	80513	--	400	142	7.6	10.5	.20	8.7
MAR											
07...	1100	0	80513	80010	--	520	151	7.2	15.0	--	--
17...	0730	9	80513	80513	--	307	147	7.5	14.5	.00	7.2
APR											
15...	1015	9	80513	80513	--	1390	97	7.0	14.0	.10	4.3
MAY											
10...	1130	9	80513	80010	--	1860	87	7.3	17.0	--	5.4
11...	1830	9	80513	80513	67	1090	86	6.8	19.0	.20	6.1
11...	1900	9	80513	80513	68	470	86	6.8	19.0	.20	6.0
JUN											
15...	1330	9	80513	80513	--	332	160	7.1	23.0	.00	2.1
JUL											
06...	1730	9	80513	80010	--	191	326	7.9	27.0	--	3.9
13...	1730	9	80513	80513	--	95	374	7.7	30.0	.00	4.4
AUG											
09...	1600	9	80513	80513	--	185	434	7.8	29.5	.00	5.5
SEP											
07...	0900	9	80513	80010	--	152	614	8.0	26.0	--	4.1
15...	0800	9	80513	80513	--	172	638	8.1	23.0	.00	5.5

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
OCT											
20...	1100	52	766	--	--	--	--	--	--	--	--
NOV											
08...	1030	25	760	12	470	130	130	0	0	32	12
16...	0800	53	766	--	--	--	--	--	--	--	--
29...	1600	69	756	--	--	--	--	--	--	--	--
29...	1630	71	756	--	--	--	--	--	--	--	--
JAN											
12...	1045	59	772	1.4	K140	210	39	0	0	10	3.4
13...	1030	75	764	--	--	--	--	--	--	--	--
FEB											
16...	1040	78	757	--	--	--	--	--	--	--	--
MAR											
07...	1100	--	760	4.5	1700	K2300	54	5	5	14	4.7
17...	0730	72	749	--	--	--	--	--	--	--	--
APR											
15...	1015	42	761	--	--	--	--	--	--	--	--
MAY											
10...	1130	56	758	2.0	K160	K50	29	3	3	7.8	2.4
11...	1830	66	758	--	--	--	--	--	--	--	--
11...	1900	65	758	--	--	--	--	--	--	--	--
JUN											
15...	1330	25	759	--	--	--	--	--	--	--	--
JUL											
06...	1730	49	766	3.4	K130	250	120	7	7	29	11
13...	1730	58	763	--	--	--	--	--	--	--	--
AUG											
09...	1600	73	760	--	--	--	--	--	--	--	--
SEP											
07...	0900	51	761	2.0	1300	1400	260	22	22	62	26
15...	0800	64	763	--	--	--	--	--	--	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
NOV 08...	1030	21	25	.8	7.6	136	17	20	.30	.650
JAN 12...	1045	5.8	23	.4	1.7	39	7.0	5.3	.20	.240
MAR 07...	1100	10	28	.6	2.3	49	11	9.5	.40	.510
MAY 10...	1130	4.5	24	.4	1.5	26	14	3.6	.20	.460
JUL 06...	1730	19	25	.8	2.8	111	28	19	.40	.330
SEP 07...	0900	30	20	.8	2.7	240	26	26	.30	.190

DATE	TIME	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	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)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
NOV 08...	1030	.680	.050	.040	.700	.720	2.10	2.00	2.6	--
JAN 12...	1045	.200	.060	.010	.300	.210	.190	.110	.14	.31
MAR 07...	1100	.420	.090	.020	.600	.440	.420	.260	.33	1.1
MAY 10...	1130	.370	.140	.020	.600	.390	.350	.140	.18	1.1
JUL 06...	1730	.390	.070	.020	.400	.410	.200	.100	.13	1.1
SEP 07...	0900	.190	.010	<.010	.200	.190	.090	.070	.09	.61

DATE	TIME	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)
NOV 08...	1030	1.6	--	--	3.6	--	--	4.3	1.10	3.4
JAN 12...	1045	.39	.50	.00	.50	.80	3.5	.71	.550	1.7
MAR 07...	1100	1.1	1.5	.10	1.4	2.1	9.3	1.8	.340	1.0
MAY 10...	1130	.56	1.4	.70	.70	2.0	8.9	1.1	.290	.89
JUL 06...	1730	.90	1.3	.30	1.0	1.7	7.5	1.4	.190	.58
SEP 07...	0900	.23	.70	.40	.30	.90	4.0	.49	.490	1.5

DATE	TIME	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	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)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
NOV 08...	1030	.820	180	7	70	<1	<1	<1	15	1400
JAN 12...	1045	.080	--	--	30	--	--	--	--	--
MAR 07...	1100	.060	--	--	70	--	--	--	--	--
MAY 10...	1130	.080	--	--	40	--	--	--	--	--
JUL 06...	1730	.080	--	--	60	--	--	--	--	--
SEP 07...	0900	.180	--	--	60	--	--	--	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
OCT										
20...	1100	--	--	--	--	--	--	91	4.2	97
NOV										
08...	1030	7	580	<.1	6	<1	30	--	--	--
29...	1600	--	--	--	--	--	--	40	207	98
29...	1630	--	--	--	--	--	--	72	282	99
JAN										
13...	1030	--	--	--	--	--	--	81	179	96
FEB										
16...	1040	--	--	--	--	--	--	112	121	98
MAR										
17...	0730	--	--	--	--	--	--	132	109	98
APR										
15...	1015	--	--	--	--	--	--	113	424	94
MAY										
11...	1830	--	--	--	--	--	--	203	597	98
11...	1900	--	--	--	--	--	--	204	259	100
JUN										
15...	1330	--	--	--	--	--	--	666	597	97
JUL										
13...	1730	--	--	--	--	--	--	190	49	100
AUG										
09...	1600	--	--	--	--	--	--	180	90	94
SEP										
15...	0800	--	--	--	--	--	--	183	85	96

DATE	TIME	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)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT										
20...	1100	98	99	100	97	99	99	100	--	--
NOV										
29...	1600	99	99	100	98	99	99	99	100	--
29...	1630	99	99	100	--	--	--	--	--	--
JAN										
13...	1030	97	98	100	33	44	77	86	94	100
FEB										
16...	1040	98	99	100	99	99	99	99	100	--
MAR										
17...	0730	98	99	100	98	99	99	99	100	--
APR										
15...	1015	97	97	100	99	99	99	99	100	--
MAY										
11...	1830	98	99	100	99	99	99	99	100	--
11...	1900	--	--	--	98	98	99	99	100	--
JUN										
15...	1330	98	99	100	97	98	99	100	--	--
JUL										
13...	1730	--	--	--	99	99	99	99	100	--
AUG										
09...	1600	95	95	100	98	98	99	99	100	--
SEP										
15...	0800	97	97	100	98	98	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 east of Palestine, and at mile 33.6.

DRAINAGE AREA.--786 mi^2.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
OCT									
20...	1300	0	80513	80513	--	67	352	7.6	16.5
NOV									
15...	0900	0	80513	80513	--	.00	389	7.8	9.0
29...	0945	0	80513	80513	67	2030	136	6.8	9.0
29...	1030	0	80513	80513	68	1290	149	6.7	9.5
JAN									
14...	1000	0	80513	80513	67	1090	98	7.0	8.0
14...	1030	0	80513	80513	68	124	96	7.0	8.5
FEB									
16...	1620	0	80513	80513	--	589	132	7.3	10.5
MAR									
17...	1100	9	80513	80513	--	557	140	7.5	14.5
APR									
15...	1400	9	80513	80513	67	2020	81	6.9	17.0
15...	1430	9	80513	80513	68	1010	81	7.2	17.0
MAY									
11...	1030	9	80513	80513	--	.00	87	6.6	20.0
JUN									
15...	1645	9	80513	80513	--	503	160	7.2	25.0
JUL									
13...	1830	9	80513	80513	--	.00	271	7.5	29.0
AUG									
10...	0930	9	80513	80513	--	.00	533	8.0	28.5
SEP									
15...	1100	9	80513	80513	--	213	620	8.1	23.5

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)
OCT									
20...	1300	.00	6.0	61	767	92	17	97	98
NOV									
15...	0900	--	7.2	61	773	--	--	--	--
29...	0945	.20	8.1	71	756	64	351	96	97
29...	1030	.20	8.1	71	756	61	212	94	95
JAN									
14...	1000	.30	9.5	80	762	49	144	93	94
14...	1030	.30	9.4	80	762	58	19	80	94
FEB									
16...	1620	.30	10.2	92	756	102	162	98	98
MAR									
17...	1100	.00	7.4	74	749	128	192	97	97
APR									
15...	1400	.20	3.9	40	764	79	431	93	95
15...	1430	.20	3.7	38	764	85	232	93	96
MAY									
11...	1030	--	6.6	73	760	--	--	--	--
JUN									
15...	1645	.00	2.6	32	759	294	399	99	99
JUL									
13...	1830	--	4.3	56	763	--	--	--	--
AUG									
10...	0930	--	5.2	67	762	--	--	--	--
SEP									
15...	1100	.20	5.9	70	762	127	73	98	99

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)
OCT									
20...	1300	98	100	93	95	97	98	100	--
NOV									
29...	0945	98	100	86	89	92	96	99	100
29...	1030	97	100	--	--	--	--	--	--
JAN									
14...	1000	96	100	44	45	51	67	94	100
14...	1030	96	100	88	90	92	94	100	--
FEB									
16...	1620	99	100	80	84	89	96	98	--
MAR									
17...	1100	99	100	56	60	70	89	99	100
APR									
15...	1400	97	100	57	60	68	91	100	--
15...	1430	98	100	90	91	94	97	99	100
JUN									
15...	1645	99	100	--	--	--	--	--	--
SEP									
15...	1100	99	100	82	89	96	99	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 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
19...	0945	0	9827	9827	7.5	18.0	17.0	--	6.8	70
NOV										
02...	1300	0	9827	9827	7.6	20.0	18.0	40	7.0	74
JAN										
11...	1223	0	9827	9827	6.5	16.0	8.0	110	9.6	81
FEB										
15...	1210	0	9827	9827	6.8	15.0	8.0	95	10.4	--
MAR										
22...	1345	0	9827	9827	7.0	12.0	16.0	100	7.6	76
29...	1200	0	9827	9827	7.3	18.0	14.0	70	7.8	75
MAY										
03...	1135	0	9827	9827	6.6	19.0	20.0	90	4.9	--
31...	1150	0	9827	9827	7.0	20.0	23.0	95	6.0	--
JUL										
05...	1320	0	9827	9827	7.2	28.0	27.0	160	4.2	--
AUG										
09...	1205	0	9827	9827	7.1	32.0	27.0	200	3.9	--
SEP										
06...	1130	0	9827	9827	--	28.0	26.0	45	6.9	--
13...	1100	0	9827	9827	7.8	24.0	26.0	45	6.4	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT										
19...	0945	3.4	80	--	20	22	229	.31	57	--
NOV										
02...	1300	4.4	--	--	31	16	334	.45	64	.210
JAN										
11...	1223	2.2	48	40	4.0	5.0	150	.20	46	--
FEB										
15...	1210	2.3	40	44	12	6.5	162	.22	42	.240
MAR										
22...	1345	2.1	4	62	8.0	8.5	185	.25	51	--
29...	1200	2.3	160	74	11	9.5	196	.27	32	.360
MAY										
03...	1135	1.9	52	--	--	5.0	157	.21	20	.180
31...	1150	1.7	170	--	6.0	4.5	150	.20	39	.380
JUL										
05...	1320	3.3	--	--	15	15	178	.24	167	.800
AUG										
09...	1205	3.2	310	--	18	8.0	180	.24	200	.450
SEP										
06...	1130	3.3	64	--	16	33	373	.51	89	--
13...	1100	2.2	220	--	27	31	372	.51	80	.280

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT										
19...	0945	.290	.270	.120	<5	<1	6	10	<5	--
NOV										
02...	1300	.180	.230	.040	--	<1	8	--	--	0
JAN										
11...	1223	.100	.270	.210	<5	3	10	10	<5	--
FEB										
15...	1210	.100	.250	.140	--	<1	9	12	--	30
MAR										
22...	1345	--	.230	--	--	<1	--	<10	--	40
29...	1200	.130	.270	.150	<5	<1	5	10	<5	--
MAY										
03...	1135	.110	.260	.160	--	<1	9	15	--	80
31...	1150	.090	.310	.180	--	<1	12	22	--	--
JUL										
05...	1320	.170	.410	.090	9	<1	19	10	<5	310
AUG										
09...	1205	.330	.520	.050	--	<1	9	11	--	460
SEP										
06...	1130	.010	.330	.110	--	<1	2	<10	--	--
13...	1100	.130	--	.160	--	<1	2	<10	--	10

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)
FEB										
15...	1210	.0	.000	.000	.000	.000	.000	.00	.00	.0
MAY										
03...	1135	.0	.000	.000	.000	.000	.000	.00	.00	.0
AUG										
09...	1205	.0	.000	.000	.000	.000	.000	.00	.04	.0

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 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT											
19...	1040	0	9827	9827	7.5	19.0	17.0	--	8.4	87	21
NOV											
02...	1400	0	9827	9827	7.8	21.0	18.0	35	9.7	102	18
JAN											
11...	1310	0	9827	9827	6.3	16.0	8.0	190	10.2	86	24
FEB											
15...	1300	0	9827	9827	7.2	16.0	8.0	85	10.8	--	16
MAR											
22...	1300	0	9827	9827	7.6	11.0	14.0	50	9.0	86	17
29...	1240	0	9827	9827	7.7	14.0	13.0	15	11.1	105	13
MAY											
03...	1020	0	9827	9827	7.2	18.0	20.0	100	6.7	--	17
JUL											
05...	1230	0	9827	9827	7.7	28.0	27.0	35	5.7	--	13
AUG											
09...	1320	0	9827	9827	7.8	33.0	28.0	25	8.3	--	13
23...	1645	0	9827	9827	8.0	32.0	24.0	4.0	9.9	--	--
SEP											
06...	1215	0	9827	9827	--	29.0	28.0	40	7.5	--	--
13...	1130	0	9827	9827	7.8	24.0	28.0	65	6.9	--	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT											
19...	1040	3.6	560	--	11	8.0	170	.23	72	--	.220
NOV											
02...	1400	4.9	--	--	15	9.0	177	.24	48	.010	.010
JAN											
11...	1310	2.3	120	48	5.0	4.5	173	.24	109	--	.110
FEB											
15...	1300	1.7	80	88	15	5.0	168	.23	49	.410	.100
MAR											
22...	1300	1.9	240	120	14	7.5	183	.25	52	--	--
29...	1240	2.2	4	130	15	6.0	195	.27	16	.060	.050
MAY											
03...	1020	2.2	120	--	--	5.0	155	.21	72	.320	.090
JUL											
05...	1230	3.6	240	--	12	9.5	212	.29	47	.140	.100
AUG											
09...	1320	3.6	8	--	24	12	246	.33	32	.120	.070
23...	1645	1.6	84	--	8.0	7.5	165	.22	10	.380	.020
SEP											
06...	1215	4.4	>240	--	15	12	287	.39	67	--	.070
13...	1130	3.5	110	--	24	11	303	.41	114	.070	.100

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT											
19...	1040	.58	.80	--	--	.200	.080	<1	9	14	--
NOV											
02...	1400	.29	.30	.31	1.4	.090	.030	<1	12	--	10
JAN											
11...	1310	.79	.90	--	--	.420	.210	<1	18	<10	--
FEB											
15...	1300	2.7	2.8	3.2	14	.220	.150	<1	12	18	30
MAR											
22...	1300	--	.60	--	--	.140	--	<1	--	<10	50
29...	1240	.55	.60	.66	2.9	.090	.020	<1	8	10	--
MAY											
03...	1020	.71	.80	1.1	5.0	.250	.120	<1	10	12	120
JUL											
05...	1230	.40	.50	.64	2.8	.180	.050	<1	19	<10	920
AUG											
09...	1320	--	<.10	--	--	.150	.010	<1	6	<10	480
23...	1645	--	--	--	--	.030	.010	<1	5	21	40
SEP											
06...	1215	.53	.60	--	--	.180	.040	<1	2	<10	--
13...	1130	.80	.90	.97	4.3	--	.060	<1	4	<10	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)
OCT										
19...	1040	.0	.000	.000	.000	.000	.000	.00	.00	.0
JAN										
11...	1310	.0	.000	.000	.000	.000	.000	.00	.00	.0
MAR										
29...	1240	.0	.000	.000	.000	.000	.000	.00	<.05	.0
JUL										
05...	1230	.0	.000	.000	.000	.000	.000	.00	.00	.0

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 upstream from bridge on U.S. Highway 71, 1.0 mi south of Greenland, 5.5 mi upstream from small tributary, and at mile 10.5.

DRAINAGE AREA.--83.1 mi^2.

PERIOD OF RECORD.--October 1945 to September 1983 (discontinued).

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

GAGE.--Water-stage recorder. Datum of gage is 1,232.00 ft 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 higher, Sept. 30, 1976 to May 28, 1980, at datum 1.00 ft higher.

REMARKS.--Records good, except those for period of no gage-height record, May 7 to June 16, which are fair.

AVERAGE DISCHARGE.--38 years, 107 ft^3/s, 17.49 in/yr, 77,500 acre-ft/yr.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,050 ft^3/s Dec. 3 at 0930 hours, gage height, 7.96 ft, no other peak above base of 3,000 ft^3/s; no flow at times.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.32	.00	55	128	890	41	234	266	110	24	1.4	.24
2	.29	.06	919	109	454	38	1160	210	90	17	1.3	.00
3	.08	.00	3020	92	257	37	574	171	75	14	1.2	.00
4	.06	.00	766	81	184	400	328	140	85	11	1.1	.00
5	.00	.00	363	72	150	584	237	121	95	10	.96	.00
6	.00	.00	213	63	131	347	184	103	190	8.4	.96	.00
7	.00	.00	146	57	110	306	150	89	160	7.0	1.1	.00
8	.24	.00	112	54	98	229	142	80	125	5.7	.96	.00
9	.48	.00	89	49	89	176	131	70	95	5.0	.84	.00
10	.26	.00	93	46	81	142	117	65	75	4.3	.72	.00
11	.16	.02	137	41	72	121	102	60	55	4.0	.72	.00
12	.16	.18	117	36	64	105	93	65	45	3.2	.72	.00
13	.15	.08	95	34	58	95	155	60	35	2.7	.72	.00
14	.08	.14	82	31	55	84	197	220	50	2.5	.60	.00
15	.00	.27	72	28	52	77	140	760	70	2.5	.60	.00
16	.00	.63	62	27	48	68	121	520	48	2.3	.60	.00
17	.00	.86	55	25	45	62	107	290	38	2.3	.48	.00
18	.00	1.0	50	23	42	56	98	500	30	2.1	.24	.00
19	.00	1.2	45	21	40	53	90	520	24	2.0	.12	.00
20	.00	1.2	41	20	38	56	119	360	19	1.8	.24	.00
21	.00	1.2	38	19	37	53	109	270	16	1.6	.24	.00
22	.00	3.4	35	19	39	46	189	350	14	1.3	.36	.00
23	.00	3.5	34	17	37	43	1040	460	11	1.3	.24	.00
24	.00	2.8	608	17	52	41	555	320	11	1.2	.24	.00
25	.00	7.9	371	16	62	38	324	220	10	1.1	.48	.00
26	.00	45	197	17	50	68	232	160	9.6	1.1	.60	.00
27	.00	413	392	18	46	117	179	110	9.6	.96	.48	.00
28	.13	297	487	18	43	84	445	160	15	.96	.36	.00
29	.10	123	276	61	---	72	332	230	60	.84	.24	.00
30	.00	76	200	72	---	68	306	170	36	1.4	.12	.00
31	.00	---	155	116	---	66	---	120	---	1.3	.24	---
TOTAL	2.51	978.44	9325	1427	3324	3773	8190	7240	1706.2	144.86	19.18	.24
MEAN	.081	32.6	301	46.0	119	122	273	234	56.9	4.67	.62	.008
MAX	.48	413	3020	128	890	584	1160	760	190	24	1.4	.24
MIN	.00	.00	34	16	37	37	90	60	9.6	.84	.12	.00
CFSM	.001	.39	3.62	.55	1.43	1.47	3.29	2.82	.69	.06	.007	.000
IN.	.00	.44	4.17	.64	1.49	1.69	3.67	3.24	.76	.06	.01	.00
AC-FT	5.0	1940	18500	2830	6590	7480	16240	14360	3380	287	38	.5

CAL YR 1982	TOTAL	48386.74	MEAN	133	MAX	4460	MIN	.00	CFSM 1.60	IN 21.66	AC-FT	95980
WTR YR 1983	TOTAL	36130.43	MEAN	99.0	MAX	3020	MIN	.00	CFSM 1.19	IN 16.17	AC-FT	71660

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 north of State Highway 16, 1.4 mi upstream from White River, and 4.3 mi 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
19...	1128	0	9827	9827	.00	7.7	20.0	18.0	6.1	8.1
NOV										
23...	0900	0	9827	9827	5.0	7.5	2.0	12.0	750	8.0
DEC										
14...	0730	0	9827	9827	121	7.4	7.0	4.0	3.2	11.9
FEB										
15...	1130	0	9827	9827	72	7.5	18.0	8.0	5.5	11.6
MAR										
08...	1050	0	9827	9827	334	7.5	6.0	10.0	20	--
APR										
12...	1620	0	9827	9827	132	7.6	24.0	16.0	25	10.8
MAY										
10...	1935	0	9827	9827	91	7.7	22.0	20.0	2.0	9.3
JUN										
28...	0655	0	9827	9827	23	7.4	23.0	24.0	45	5.8
JUL										
19...	1020	0	9827	9827	3.3	7.6	33.0	28.0	20	6.1
AUG										
16...	0850	0	9827	9827	.86	7.5	31.0	27.0	20	6.0
30...	1750	0	9827	9827	.17	7.8	--	--	20	--
SEP										
13...	1920	0	9827	9827	.00	7.5	19.0	24.0	8.0	8.6

DATE	TIME	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										
19...	1128	85	2.7	16	120	35	14	176	.24	28
NOV										
23...	0900	74	7.1	>600	90	32	7.5	172	.23	169
DEC										
14...	0730	91	1.0	90	56	20	6.0	91	.12	7
FEB										
15...	1130	97	1.4	230	60	15	4.5	82	.11	14
MAR										
08...	1050	104	.8	100	44	12	4.0	76	.10	10
APR										
12...	1620	108	1.1	8	64	15	4.5	72	.10	18
MAY										
10...	1935	--	1.7	48	--	9.0	9.5	83	.11	18
JUN										
28...	0655	--	2.5	--	--	21	5.0	123	.17	54
JUL										
19...	1020	--	1.9	32	--	19	7.0	122	.17	19
AUG										
16...	0850	--	2.7	36	--	27	11	144	.20	18
30...	1750	--	--	84	--	22	8.0	131	.18	15
SEP										
13...	1920	--	4.3	68	--	29	13	142	.19	11

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT										
19...	1128	.010	.010	--	<.010	<1	<1	62	110	.0
NOV										
23...	0900	--	.080	.540	.040	4	4	37	120	--
DEC										
14...	0730	--	.050	.040	.030	<1	4	46	70	.0
FEB										
15...	1130	.550	.180	.080	.030	--	5	<10	50	--
MAR										
08...	1050	.380	.020	.040	.020	<1	2	<10	30	--
APR										
12...	1620	--	.060	.050	<.010	<1	<1	12	70	--
MAY										
10...	1935	.180	.010	.040	<.010	<1	<1	<10	10	--
JUN										
28...	0655	.260	.080	.090	.010	<1	--	--	--	--
JUL										
19...	1020	.100	.100	.070	.010	1	<1	15	20	--
AUG										
16...	0850	.010	.070	.060	.010	<1	3	27	--	--
30...	1750	--	.060	.090	<.010	<1	<1	17	40	--
SEP										
13...	1920	--	.200	--	.070	<1	<1	15	--	--

DATE	TIME	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)
OCT									
19...	1128	.000	.000	.000	.000	.000	.00	.00	.0
DEC									
14...	0730	.000	.000	.000	.000	.000	.00	.00	.0

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 downstream from West Fork White River, 0.8 mi downstream from Lake Sequoyah Dam on White River, 4.3 mi east of Fayetteville, and at mile 684.0.

DRAINAGE AREA.--400 mi^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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--20 years, 512 ft^3/s, 17.38 in/yr, 370,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 46,400 ft^3/s Nov. 25, 1973, gage height, 30.29 ft, from rating curve extended above 30,900 ft^3/s; minimum, 0.10 ft^3/s, Oct. 3, 1982, gage height, 0.92 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 23,100 ft^3/s Dec. 3 at 1100 hours, gage height, 22.95 ft, no other peak above base of 8,000 ft^3/s; minimum discharge, 0.10 ft^3/s Oct. 3, gage height 0.92 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.25	7.4	620	807	4080	217	545	1250	442	126	16	12
2	.12	10	4410	666	2420	209	5010	1030	363	97	16	12
3	.15	20	20000	553	1510	206	3040	887	298	83	14	10
4	.19	20	7180	465	1090	741	1840	747	366	66	14	6.3
5	.26	122	2810	410	898	3460	1380	631	448	62	15	5.2
6	.52	125	1690	371	784	1890	1070	534	885	52	15	7.1
7	.66	104	1180	336	652	1660	866	449	455	44	18	14
8	1.4	84	873	306	568	1270	779	396	340	37	19	13
9	15	71	682	282	519	985	706	349	268	31	17	13
10	3.9	62	666	257	477	790	605	309	220	29	16	12
11	1.8	66	882	228	431	652	514	281	178	25	15	11
12	1.4	47	738	213	391	552	454	350	142	22	14	11
13	1.1	54	594	195	356	482	622	326	123	19	13	11
14	.91	39	517	171	331	435	1140	2690	230	18	12	11
15	.79	42	461	156	310	395	788	3560	309	18	12	11
16	.79	38	403	140	289	357	646	1740	201	12	12	14
17	1.1	37	359	132	269	324	563	1140	150	12	12	13
18	4.5	38	327	126	252	296	516	2160	122	13	15	12
19	17	43	296	118	238	276	475	2260	104	12	17	12
20	27	30	269	116	219	277	628	1430	89	10	17	12
21	20	29	244	115	214	267	596	1150	76	8.7	16	17
22	18	135	229	112	215	238	977	1500	66	6.9	14	13
23	17	628	218	106	214	219	4300	2130	58	5.6	8.8	12
24	12	465	1980	102	219	204	2930	1290	64	4.7	12	10
25	.83	319	2790	100	274	190	1790	867	88	6.8	16	9.4
26	.57	546	1450	101	254	214	1340	641	80	13	15	5.8
27	.68	2990	1820	108	234	489	1040	508	64	13	14	5.0
28	2.7	3520	3150	110	223	415	1390	686	91	14	14	4.7
29	20	1430	1790	212	---	371	1300	1010	160	16	16	4.5
30	5.4	884	1290	312	---	358	1370	645	173	16	16	4.5
31	3.7	---	1010	403	---	348	---	539	---	16	15	---
TOTAL	179.72	12005.4	60928	7829	17931	18787	39220	33485	6653	908.7	455.8	308.5
MEAN	5.80	400	1965	253	640	606	1307	1080	222	29.3	14.7	10.3
MAX	27	3520	20000	807	4080	3460	5010	3560	885	126	19	17
MIN	.12	7.4	218	100	214	190	454	281	58	4.7	8.8	4.5
CFSM	.02	1.00	4.91	.63	1.60	1.52	3.27	2.70	.56	.07	.04	.03
IN.	.02	1.12	5.67	.73	1.67	1.75	3.65	3.11	.62	.08	.04	.03
AC-FT	356	23810	120900	15530	35570	37260	77790	66420	13200	1800	904	612

CAL YR 1982 TOTAL 246753.42 MEAN 676 MAX 20000 MIN .12 CFSM 1.69 IN 22.95 AC-FT 489400
WTR YR 1983 TOTAL 198691.12 MEAN 544 MAX 20000 MIN .12 CFSM 1.36 IN 18.48 AC-FT 394100

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 upstream from Richland Creek, and 1.2 mi west of Goshen.

DRAINAGE AREA.--412 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
OCT											
19...	1145	0	9827	9827	--	--	27	--	7.5	21.0	18.0
NOV											
23...	0930	0	9827	9827	--	--	517	--	7.2	4.0	11.0
DEC											
14...	0800	0	9827	9827	--	--	544	--	7.2	2.0	5.0
JAN											
26...	1155	0	80513	80513	.00	12.0	--	--	--	3.0	--
26...	1156	0	80513	80010	3.00	12.0	--	--	--	--	--
26...	1200	0	80513	80010	6.00	12.0	--	106	7.5	--	4.5
FEB											
15...	1100	0	9827	9827	--	--	317	--	7.3	18.0	8.0
MAR											
08...	1020	0	9827	9827	--	--	1290	--	7.4	5.0	10.0
APR											
12...	1650	0	9827	9827	--	--	455	--	7.3	24.0	15.0
MAY											
10...	1105	0	9827	9827	--	--	319	--	7.3	22.0	20.0
17...	1235	9	80513	80513	.00	14.0	--	--	--	25.0	--
17...	1236	9	80513	80010	3.00	14.0	--	--	--	--	--
17...	1240	9	80513	80010	7.00	14.0	--	74	7.4	--	16.0
JUN											
28...	0735	0	9827	9827	--	--	102	--	7.4	24.0	24.0
JUL											
19...	1100	0	9827	9827	--	--	19	--	7.4	28.0	27.0
AUG											
16...	0930	0	9827	9827	--	--	21	--	7.4	32.0	28.0
16...	1145	9	80513	80513	.00	6.0	--	--	--	35.0	--
16...	1150	9	80513	80010	3.00	6.0	--	350	7.1	--	28.5
30...	1720	0	9827	9827	--	--	28	--	7.6	--	--
SEP											
13...	1845	0	9827	9827	--	--	16	--	7.5	21.0	25.0

07048700 WHITE RIVER NEAR GOSHEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT										
19...	1145	--	2.7	--	--	3.8	40	--	8.6	96
NOV										
23...	0930	--	90	--	--	7.8	70	--	8.4	>600
DEC										
14...	0800	--	35	--	--	11.5	90	--	1.1	<10
JAN										
26...	1155	--	--	39.6	1.00	--	--	732	--	--
26...	1200	15	5.9	--	--	10.4	--	--	1.8	--
FEB										
15...	1100	--	15	--	--	10.9	92	--	2.1	710
MAR										
08...	1020	--	25	--	--	--	--	--	1.0	110
APR										
12...	1650	--	20	--	--	9.9	97	--	1.1	<4
MAY										
10...	1105	--	2.0	--	--	8.3	--	--	2.3	4
17...	1235	--	--	12.0	.30	--	--	733	--	--
17...	1240	15	20	--	--	8.2	--	--	1.6	--
JUN										
28...	0735	--	15	--	--	4.0	--	--	2.6	100
JUL										
19...	1100	--	6.8	--	--	6.6	--	--	--	26
AUG										
16...	0930	--	20	--	--	4.3	--	--	--	52
16...	1145	--	--	16.8	.40	--	--	737	--	--
16...	1150	11	3.5	--	--	5.7	--	--	3.4	--
30...	1720	--	20	--	--	--	--	--	--	84
SEP										
13...	1845	--	20	--	--	5.1	--	--	3.1	64

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	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 FIELD (MG/L AS CACO3) (00410)
OCT										
19...	1145	--	120	--	--	--	--	--	--	--
NOV										
23...	0930	--	68	--	--	--	--	--	--	--
DEC										
14...	0800	--	40	--	--	--	--	--	--	--
JAN										
26...	1155	<3	--	--	--	--	--	--	--	--
26...	1200	--	44	5	5	14	35	2.2	1.6	39
FEB										
15...	1100	--	46	--	--	--	--	--	--	--
MAR										
08...	1020	--	26	--	--	--	--	--	--	--
APR										
12...	1650	--	44	--	--	--	--	--	--	--
MAY										
17...	1235	190	--	--	--	--	--	--	--	--
17...	1240	--	32	4	4	11	--	1.2	1.4	28
AUG										
16...	1145	42	--	--	--	--	--	--	--	--
16...	1150	--	85	0	0	29	72	3.0	4.9	88

07048700 WHITE RIVER NEAR GOSHEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	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)
OCT										
19...	1145	40	59	284	.39	40	.280	<1.00	--	--
NOV										
23...	0930	24	9.0	68	.09	105	--	.260	--	--
DEC										
14...	0800	11	6.0	68	.09	7	--	.170	--	--
JAN										
26...	1200	14	9.9	--	--	--	.800	.400	-.10	.30
FEB										
15...	1100	10	5.5	68	.09	17	.850	.100	--	--
MAR										
08...	1020	9.0	4.0	61	.08	10	.390	.050	--	--
APR										
12...	1650	10	4.5	56	.08	15	--	.100	--	--
MAY										
10...	1105	7.0	9.5	66	.09	14	.440	.090	--	--
17...	1240	7.0	2.5	--	--	--	.400	.200	.80	1.0
JUN										
28...	0735	17	8.5	124	.17	14	.590	.410	--	--
JUL										
19...	1100	20	31	181	.25	16	.950	.560	--	--
AUG										
16...	0930	29	34	189	.26	22	1.60	1.60	--	--
16...	1150	23	32	--	--	--	1.20	1.40	1.2	2.6
30...	1720	32	32	196	.27	18	--	1.60	--	--
SEP										
13...	1845	28	39	202	.27	20	--	1.50	--	--

DATE	TIME	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)	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)
OCT										
19...	1145	--	--	--	--	3.20	--	--	<1	<1
NOV										
23...	0930	--	--	.470	--	.150	--	--	<1	9
DEC										
14...	0800	--	--	.180	--	.150	--	--	<1	1
JAN										
26...	1200	1.1	4.9	.650	2.0	.580	70	1	--	<10
FEB										
15...	1100	--	--	.270	--	.190	--	--	<1	5
MAR										
08...	1020	--	--	.120	--	.060	--	--	<1	<1
APR										
12...	1650	--	--	.140	--	.080	--	--	<1	<1
MAY										
10...	1105	--	--	.150	--	.090	--	--	<1	15
17...	1240	1.4	6.2	.080	.25	.050	740	1	--	10
JUN										
28...	0735	--	--	.560	--	.420	--	--	<1	--
JUL										
19...	1100	--	--	.730	--	.420	--	--	<1	<1
AUG										
16...	0930	--	--	1.20	--	.930	--	--	2	3
16...	1150	3.8	17	1.00	3.1	.760	210	3	--	20
30...	1720	--	--	1.95	--	1.45	--	--	<1	<1
SEP										
13...	1845	--	--	--	--	1.30	--	--	<1	<1

07048700 WHITE RIVER NEAR GOSHEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)
OCT										
19...	1145	52	--	--	--	--	--	110	.0	.000
NOV										
23...	0930	18	--	--	--	--	--	50	--	--
DEC										
14...	0800	<10	--	--	--	--	--	30	.0	.000
JAN										
26...	1200	5	420	<1	150	.1	10	20	--	--
FEB										
15...	1100	19	--	--	--	--	--	70	--	--
MAR										
08...	1020	<10	--	--	--	--	--	30	--	--
APR										
12...	1650	19	--	--	--	--	--	80	--	--
MAY										
10...	1105	2	--	--	--	--	--	20	--	--
17...	1240	1	1400	3	100	.1	11	30	--	--
JUL										
19...	1100	11	--	--	--	--	--	30	--	--
AUG										
16...	0930	32	--	--	--	--	--	--	--	--
16...	1150	4	550	6	800	<.1	10	50	--	--
30...	1720	22	--	--	--	--	--	50	--	--
SEP										
13...	1845	15	--	--	--	--	--	--	--	--

DATE	TIME	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)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
OCT										
19...	1145	.000	.000	.000	.000	.00	.00	.0	--	--
DEC										
14...	0800	.000	.000	.000	.000	.00	.00	.0	--	--
JAN										
26...	1156	--	--	--	--	--	--	--	.200	<.100
MAY										
17...	1236	--	--	--	--	--	--	--	1.10	<.100

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 west of Eureka Springs, and at mile 609.0.

DRAINAGE AREA.--1,192 mi^2.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT								
22...	0930	0	80513	80513	.00	175	144	8.1
22...	0932	0	80513	80513	10.0	175	144	8.1
22...	0934	0	80513	80513	20.0	175	144	8.2
22...	0936	0	80513	80513	30.0	175	144	8.2
22...	0938	0	80513	80513	40.0	175	144	8.2
22...	0940	0	80513	80513	49.0	175	147	7.9
22...	0942	0	80513	80513	50.0	175	148	7.5
22...	0944	0	80513	80513	52.0	175	148	7.5
22...	0946	0	80513	80513	56.0	175	149	7.5
22...	0948	0	80513	80513	60.0	175	149	7.4
22...	0950	0	80513	80513	65.0	175	148	7.4
22...	0952	0	80513	80513	70.0	175	147	7.4
22...	0954	0	80513	80513	80.0	175	146	7.3
22...	0956	0	80513	80513	90.0	175	146	7.3
22...	0958	0	80513	80513	100	175	145	7.3
22...	1000	0	80513	80513	110	175	143	7.3
22...	1002	0	80513	80513	120	175	142	7.3
22...	1004	0	80513	80513	130	175	142	7.2
22...	1006	0	80513	80513	140	175	144	7.2
22...	1008	0	80513	80513	150	175	147	7.2
22...	1010	0	80513	80513	160	175	151	7.2
22...	1013	0	80513	80513	170	175	153	7.2
22...	1015	0	80513	80513	175	175	154	7.2

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT							
22...	0930	18.5	203	5.2	8.2	90	745
22...	0932	18.5	--	--	8.2	--	--
22...	0934	18.5	--	--	8.1	--	--
22...	0936	18.5	--	--	8.1	--	--
22...	0938	18.5	--	--	8.1	--	--
22...	0940	17.5	--	--	3.1	--	--
22...	0942	16.5	--	--	2.9	--	--
22...	0944	15.5	--	--	3.7	--	--
22...	0946	14.5	--	--	3.7	--	--
22...	0948	14.0	--	--	3.7	--	--
22...	0950	13.0	--	--	3.6	--	--
22...	0952	12.0	--	--	3.6	--	--
22...	0954	11.0	--	--	3.7	--	--
22...	0956	10.5	--	--	4.0	--	--
22...	0958	10.0	--	--	4.0	--	--
22...	1000	9.0	--	--	3.7	--	--
22...	1002	8.5	--	--	3.1	--	--
22...	1004	8.0	--	--	2.4	--	--
22...	1006	8.0	--	--	1.6	--	--
22...	1008	7.5	--	--	.9	--	--
22...	1010	7.0	--	--	.1	--	--
22...	1013	7.0	--	--	.1	--	--
22...	1015	7.0	--	--	.0	--	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV								
24...	1020	0	80513	80513	.00	175	140	7.8
24...	1022	0	80513	80513	10.0	175	140	7.8
24...	1024	0	80513	80513	20.0	175	140	7.9
24...	1026	0	80513	80513	30.0	175	140	7.9
24...	1028	0	80513	80513	40.0	175	140	7.9
24...	1030	0	80513	80513	50.0	175	140	7.8
24...	1032	0	80513	80513	60.0	175	140	7.7
24...	1034	0	80513	80513	70.0	175	142	7.2
24...	1036	0	80513	80513	80.0	175	142	7.1
24...	1038	0	80513	80513	90.0	175	140	7.1
24...	1040	0	80513	80513	100	175	140	7.1
24...	1042	0	80513	80513	110	175	137	7.0
24...	1044	0	80513	80513	120	175	137	7.0
24...	1046	0	80513	80513	130	175	139	7.0
24...	1048	0	80513	80513	140	175	140	7.0
24...	1050	0	80513	80513	150	175	142	7.1
24...	1052	0	80513	80513	160	175	146	7.1
24...	1054	0	80513	80513	170	175	149	7.1
24...	1055	0	80513	80513	175	175	151	7.1

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
24...	1020	13.0	222	5.6	8.8	85	750
24...	1022	13.0	--	--	8.7	--	--
24...	1024	13.0	--	--	8.6	--	--
24...	1026	13.0	--	--	8.4	--	--
24...	1028	13.0	--	--	8.4	--	--
24...	1030	13.0	--	--	8.4	--	--
24...	1032	13.0	--	--	8.0	--	--
24...	1034	12.0	--	--	2.4	--	--
24...	1036	11.0	--	--	2.6	--	--
24...	1038	10.0	--	--	2.9	--	--
24...	1040	9.5	--	--	2.9	--	--
24...	1042	9.0	--	--	2.1	--	--
24...	1044	8.5	--	--	1.4	--	--
24...	1046	8.5	--	--	.7	--	--
24...	1048	8.0	--	--	.4	--	--
24...	1050	7.5	--	--	.2	--	--
24...	1052	7.5	--	--	.1	--	--
24...	1054	7.5	--	--	.1	--	--
24...	1055	7.0	--	--	.1	--	--

DATE	TIME	MEDIUM	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)
DEC								
08...	1350	0	80513	80513	.00	196	138	7.4
08...	1352	0	80513	80513	10.0	196	138	7.5
08...	1354	0	80513	80513	20.0	196	138	7.5
08...	1356	0	80513	80513	30.0	196	139	7.6
08...	1358	0	80513	80513	40.0	196	139	7.6
08...	1400	0	80513	80513	50.0	196	139	7.7
08...	1402	0	80513	80513	60.0	196	139	7.7
08...	1404	0	80513	80513	70.0	196	139	7.7
08...	1406	0	80513	80513	80.0	196	139	7.7
08...	1408	0	80513	80513	90.0	196	140	7.7
08...	1410	0	80513	80513	100	196	142	7.5
08...	1412	0	80513	80513	110	196	141	7.3
08...	1414	0	80513	80513	120	196	140	7.2
08...	1416	0	80513	80513	130	196	139	7.1
08...	1418	0	80513	80513	140	196	139	7.1
08...	1420	0	80513	80513	150	196	141	7.1
08...	1422	0	80513	80513	160	196	144	7.0
08...	1424	0	80513	80513	170	196	146	7.0
08...	1426	0	80513	80513	180	196	150	7.0
08...	1428	0	80513	80513	190	196	152	7.0
08...	1430	0	80513	80513	196	196	157	7.0

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC							
08...	1350	12.0	172	4.4	9.2	87	752
08...	1352	12.0	--	--	9.1	--	--
08...	1354	12.0	--	--	9.0	--	--
08...	1356	12.0	--	--	8.6	--	--
08...	1358	12.0	--	--	8.5	--	--
08...	1400	12.0	--	--	8.5	--	--
08...	1402	12.0	--	--	8.6	--	--
08...	1404	12.0	--	--	8.6	--	--
08...	1406	12.0	--	--	8.4	--	--
08...	1408	12.0	--	--	8.2	--	--
08...	1410	11.0	--	--	3.0	--	--
08...	1412	10.0	--	--	2.7	--	--
08...	1414	9.0	--	--	2.2	--	--
08...	1416	8.5	--	--	1.4	--	--
08...	1418	8.5	--	--	.7	--	--
08...	1420	8.0	--	--	.3	--	--
08...	1422	7.5	--	--	.1	--	--
08...	1424	7.5	--	--	.1	--	--
08...	1426	7.0	--	--	.1	--	--
08...	1428	7.0	--	--	.1	--	--
08...	1430	7.0	--	--	.1	--	--

DATE	TIME	MEDIUM	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)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JAN											
25...	1420	0	80513	80513	.00	184	150	7.8	7.5	8.0	106
25...	1421	0	80513	80010	3.00	184	--	--	--	--	--
25...	1422	0	80513	80513	10.0	184	150	7.8	--	7.5	--
25...	1424	0	80513	80513	20.0	184	151	7.8	--	7.5	--
25...	1425	0	80513	80010	25.0	184	151	7.8	--	7.5	--
25...	1428	0	80513	80513	30.0	184	151	7.8	--	7.5	--
25...	1430	0	80513	80513	40.0	184	151	7.8	--	7.5	--
25...	1432	0	80513	80513	50.0	184	151	7.8	--	7.5	--
25...	1434	0	80513	80513	60.0	184	151	7.8	--	7.5	--
25...	1436	0	80513	80513	70.0	184	151	7.8	--	7.5	--
25...	1438	0	80513	80513	80.0	184	151	7.8	--	7.5	--
25...	1439	0	80513	80513	90.0	184	152	7.8	--	7.5	--
25...	1440	0	80513	80010	100	184	152	7.8	--	7.5	--
25...	1442	0	80513	80513	110	184	152	7.8	--	7.5	--
25...	1444	0	80513	80513	120	184	152	7.8	--	7.5	--
25...	1446	0	80513	80513	130	184	152	7.8	--	7.5	--
25...	1448	0	80513	80513	140	184	152	7.8	--	7.5	--
25...	1450	0	80513	80513	150	184	152	7.9	--	7.5	--
25...	1452	0	80513	80513	160	184	152	7.9	--	7.0	--
25...	1454	0	80513	80513	170	184	152	7.9	--	7.0	--
25...	1456	0	80513	80513	180	184	152	7.9	--	7.0	--
25...	1500	0	80513	80513	184	184	152	7.9	--	7.0	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)
JAN										
25...	1420	2.70	10.0	88	734	--	--	--	<3	--
25...	1422	--	10.0	--	--	--	--	--	--	--
25...	1424	--	9.9	--	--	--	--	--	--	--
25...	1425	--	9.9	--	--	5	1.0	1.0	--	56
25...	1428	--	9.9	--	--	--	--	--	--	--
25...	1430	--	9.9	--	--	--	--	--	--	--
25...	1432	--	9.9	--	--	--	--	--	--	--
25...	1434	--	9.9	--	--	--	--	--	--	--
25...	1436	--	9.9	--	--	--	--	--	--	--
25...	1438	--	9.8	--	--	--	--	--	--	--
25...	1439	--	9.8	--	--	--	--	--	--	--
25...	1440	--	9.8	--	--	3	1.1	1.3	--	54
25...	1442	--	9.6	--	--	--	--	--	--	--
25...	1444	--	9.4	--	--	--	--	--	--	--
25...	1446	--	9.8	--	--	--	--	--	--	--
25...	1448	--	10.0	--	--	--	--	--	--	--
25...	1450	--	10.0	--	--	--	--	--	--	--
25...	1452	--	10.1	--	--	--	--	--	--	--
25...	1454	--	10.4	--	--	--	--	--	--	--
25...	1456	--	10.6	--	--	--	--	--	--	--
25...	1500	--	10.8	--	--	--	--	--	--	--

DATE	TIME	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
JAN										
25...	1425	0	0	18	45	2.8	1.7	62	8.0	4.7
25...	1440	0	0	18	45	2.2	1.7	62	7.0	4.3

DATE	TIME	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
JAN										
25...	1425	.200	.200	.040	<.10	<.010	<.010	30	2	30
25...	1440	.200	.200	.080	<.10	<.010	<.010	40	2	20

DATE	TIME	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)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN										
25...	1421	--	--	--	--	--	--	--	.300	<.100
25...	1425	5	90	<1	230	.1	3	20	--	--
25...	1440	3	70	<1	220	.2	5	20	--	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
FEB								
11...	1100	0	80513	80513	.00	196	142	8.0
11...	1102	0	80513	80513	10.0	196	142	7.7
11...	1104	0	80513	80513	20.0	196	142	7.7
11...	1106	0	80513	80513	30.0	196	142	7.7
11...	1108	0	80513	80513	40.0	196	142	7.7
11...	1110	0	80513	80513	50.0	196	142	7.6
11...	1112	0	80513	80513	60.0	196	142	7.5
11...	1114	0	80513	80513	70.0	196	142	7.5
11...	1116	0	80513	80513	80.0	196	142	7.5
11...	1118	0	80513	80513	90.0	196	142	7.5
11...	1120	0	80513	80513	100	196	142	7.5
11...	1122	0	80513	80513	110	196	142	7.5
11...	1124	0	80513	80513	120	196	142	7.5
11...	1126	0	80513	80513	130	196	142	7.5
11...	1128	0	80513	80513	140	196	142	7.5
11...	1130	0	80513	80513	150	196	142	7.5
11...	1132	0	80513	80513	160	196	142	7.5
11...	1134	0	80513	80513	170	196	142	7.5
11...	1136	0	80513	80513	180	196	142	7.5
11...	1138	0	80513	80513	190	196	150	7.5
11...	1140	0	80513	80513	197	196	150	7.5

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
FEB							
11...	1100	7.0	214	5.4	10.0	81	779
11...	1102	6.5	--	--	9.2	--	--
11...	1104	6.5	--	--	9.1	--	--
11...	1106	6.5	--	--	9.1	--	--
11...	1108	6.5	--	--	9.1	--	--
11...	1110	6.5	--	--	9.1	--	--
11...	1112	6.5	--	--	9.1	--	--
11...	1114	6.5	--	--	9.1	--	--
11...	1116	6.5	--	--	9.1	--	--
11...	1118	6.5	--	--	9.1	--	--
11...	1120	6.5	--	--	9.1	--	--
11...	1122	6.5	--	--	9.1	--	--
11...	1124	6.5	--	--	9.0	--	--
11...	1126	6.5	--	--	9.0	--	--
11...	1128	6.5	--	--	9.0	--	--
11...	1130	6.5	--	--	9.0	--	--
11...	1132	6.5	--	--	8.9	--	--
11...	1134	6.5	--	--	8.9	--	--
11...	1136	6.5	--	--	8.5	--	--
11...	1138	6.0	--	--	8.0	--	--
11...	1140	6.0	--	--	8.0	--	--

DATE	TIME	MEDIUM	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)
MAR								
23...	1000	0	80513	80513	.00	182	140	8.0
23...	1002	0	80513	80513	10.0	182	140	8.0
23...	1004	0	80513	80513	20.0	182	140	8.0
23...	1006	0	80513	80513	30.0	182	140	8.0
23...	1008	0	80513	80513	40.0	182	140	8.0
23...	1010	0	80513	80513	50.0	182	139	8.0
23...	1012	0	80513	80513	60.0	182	139	8.0
23...	1014	0	80513	80513	70.0	182	138	7.9
23...	1016	0	80513	80513	80.0	182	138	7.8
23...	1018	0	80513	80513	90.0	182	138	7.8
23...	1020	0	80513	80513	100	182	138	7.8
23...	1022	0	80513	80513	110	182	138	7.8
23...	1024	0	80513	80513	120	182	138	7.8
23...	1026	0	80513	80513	130	182	137	7.7
23...	1028	0	80513	80513	140	182	137	7.7
23...	1030	0	80513	80513	150	182	137	7.7
23...	1032	0	80513	80513	160	182	137	7.6
23...	1034	0	80513	80513	170	182	137	7.6
23...	1036	0	80513	80513	180	182	137	7.6
23...	1040	0	80513	80513	182	182	137	7.6

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
23...	1000	8.0	306	7.8	10.9	94	750
23...	1002	8.0	--	--	10.9	--	--
23...	1004	8.0	--	--	10.8	--	--
23...	1006	8.0	--	--	10.8	--	--
23...	1008	8.0	--	--	10.8	--	--
23...	1010	8.0	--	--	10.5	--	--
23...	1012	7.5	--	--	10.5	--	--
23...	1014	7.0	--	--	9.8	--	--
23...	1016	7.0	--	--	9.7	--	--
23...	1018	7.0	--	--	9.6	--	--
23...	1020	7.0	--	--	9.6	--	--
23...	1022	6.5	--	--	9.5	--	--
23...	1024	6.5	--	--	9.4	--	--
23...	1026	6.5	--	--	9.4	--	--
23...	1028	6.5	--	--	9.4	--	--
23...	1030	6.5	--	--	9.3	--	--
23...	1032	6.5	--	--	9.3	--	--
23...	1034	6.0	--	--	9.2	--	--
23...	1036	6.0	--	--	9.0	--	--
23...	1040	6.0	--	--	8.9	--	--

DATE	TIME	MEDIUM	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)
APR								
21...	1030	9	80513	80513	.00	196	139	8.4
21...	1032	9	80513	80513	10.0	196	139	8.4
21...	1034	9	80513	80513	20.0	196	139	8.4
21...	1036	9	80513	80513	30.0	196	139	8.4
21...	1038	9	80513	80513	40.0	196	139	8.4
21...	1040	9	80513	80513	50.0	196	139	8.4
21...	1042	9	80513	80513	60.0	196	139	8.4
21...	1044	9	80513	80513	70.0	196	139	8.3
21...	1046	9	80513	80513	80.0	196	139	8.3
21...	1048	9	80513	80513	90.0	196	139	8.3
21...	1050	9	80513	80513	100	196	139	8.2
21...	1052	9	80513	80513	110	196	138	8.1
21...	1054	9	80513	80513	120	196	138	8.0
21...	1056	9	80513	80513	130	196	137	7.9
21...	1058	9	80513	80513	140	196	136	7.9
21...	1100	9	80513	80513	150	196	136	7.8
21...	1102	9	80513	80513	160	196	136	7.8
21...	1104	9	80513	80513	170	196	136	7.8
21...	1106	9	80513	80513	180	196	136	7.8
21...	1108	9	80513	80513	190	196	137	7.9
21...	1110	9	80513	80513	196	196	137	7.9

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR							
21...	1030	10.5	462	11.7	10.9	102	732
21...	1032	10.5	--	--	10.9	--	--
21...	1034	9.5	--	--	10.9	--	--
21...	1036	9.5	--	--	10.9	--	--
21...	1038	9.5	--	--	10.9	--	--
21...	1040	9.5	--	--	10.8	--	--
21...	1042	9.5	--	--	10.8	--	--
21...	1044	9.0	--	--	10.4	--	--
21...	1046	8.5	--	--	10.3	--	--
21...	1048	8.5	--	--	10.2	--	--
21...	1050	8.5	--	--	10.1	--	--
21...	1052	8.0	--	--	9.8	--	--
21...	1054	7.5	--	--	9.3	--	--
21...	1056	7.0	--	--	8.7	--	--
21...	1058	7.0	--	--	8.4	--	--
21...	1100	7.0	--	--	8.2	--	--
21...	1102	6.5	--	--	8.2	--	--
21...	1104	6.5	--	--	8.1	--	--
21...	1106	6.5	--	--	8.1	--	--
21...	1108	6.5	--	--	8.0	--	--
21...	1110	6.5	--	--	7.9	--	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
MAY											
18...	0940	9	80513	80513	.00	200	146	9.8	20.5	16.5	286
18...	0941	9	80513	80010	3.00	200	--	--	--	--	--
18...	0942	9	80513	80513	10.0	200	146	8.6	--	16.5	--
18...	0944	9	80513	80513	20.0	200	146	8.6	--	16.5	--
18...	0945	9	80513	80010	25.0	200	146	8.6	--	16.0	--
18...	0948	9	80513	80513	30.0	200	145	8.6	--	15.0	--
18...	0950	9	80513	80513	35.0	200	145	8.5	--	14.0	--
18...	0952	9	80513	80513	40.0	200	145	8.4	--	13.5	--
18...	0954	9	80513	80513	50.0	200	145	8.3	--	13.0	--
18...	0956	9	80513	80513	55.0	200	147	8.3	--	12.0	--
18...	0958	9	80513	80513	60.0	200	147	8.2	--	11.0	--
18...	1000	9	80513	80513	70.0	200	147	8.2	--	10.0	--
18...	1002	9	80513	80513	80.0	200	147	8.2	--	9.5	--
18...	1004	9	80513	80513	90.0	200	147	8.1	--	9.0	--
18...	1005	9	80513	80010	100	200	147	8.1	--	8.5	--
18...	1008	9	80513	80513	110	200	147	8.0	--	8.5	--
18...	1010	9	80513	80513	120	200	147	8.0	--	8.0	--
18...	1012	9	80513	80513	130	200	147	8.0	--	8.0	--
18...	1014	9	80513	80513	140	200	146	7.9	--	7.5	--
18...	1016	9	80513	80513	150	200	146	7.9	--	7.0	--
18...	1018	9	80513	80513	160	200	145	7.8	--	7.0	--
18...	1020	9	80513	80513	170	200	145	7.7	--	7.0	--
18...	1022	9	80513	80513	180	200	145	7.7	--	6.5	--
18...	1024	9	80513	80513	190	200	146	7.7	--	6.5	--
18...	1025	9	80513	80513	200	200	146	7.3	--	6.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)
MAY											
18...	0940	7.3	8.6	92	729	--	--	--	0	--	--
18...	0942	--	9.8	--	--	--	--	--	--	--	--
18...	0944	--	9.8	--	--	--	--	--	--	--	--
18...	0945	--	10.2	--	--	5	<1.0	1.0	--	60	0
18...	0948	--	10.2	--	--	--	--	--	--	--	--
18...	0950	--	10.1	--	--	--	--	--	--	--	--
18...	0952	--	10.0	--	--	--	--	--	--	--	--
18...	0954	--	9.8	--	--	--	--	--	--	--	--
18...	0956	--	9.8	--	--	--	--	--	--	--	--
18...	0958	--	9.8	--	--	--	--	--	--	--	--
18...	1000	--	9.8	--	--	--	--	--	--	--	--
18...	1002	--	9.8	--	--	--	--	--	--	--	--
18...	1004	--	9.6	--	--	--	--	--	--	--	--
18...	1005	--	9.6	--	--	2	1.0	2.0	--	62	3
18...	1008	--	9.4	--	--	--	--	--	--	--	--
18...	1010	--	9.3	--	--	--	--	--	--	--	--
18...	1012	--	9.0	--	--	--	--	--	--	--	--
18...	1014	--	8.6	--	--	--	--	--	--	--	--
18...	1016	--	8.2	--	--	--	--	--	--	--	--
18...	1018	--	7.9	--	--	--	--	--	--	--	--
18...	1020	--	7.7	--	--	--	--	--	--	--	--
18...	1022	--	7.6	--	--	--	--	--	--	--	--
18...	1024	--	7.4	--	--	--	--	--	--	--	--
18...	1025	--	7.4	--	--	--	--	--	--	--	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
MAY											
18...	0945	0	21	1.9	1.7	64	7.0	2.5	.200	.200	.020
18...	1005	3	22	1.7	1.8	59	7.0	2.0	.200	.200	.020

DATE	TIME	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)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
MAY										
18...	0941	--	--	--	--	<.010	<.010	--	--	--
18...	0945	.18	.20	.40	1.8	<.010	<.010	100	1	20
18...	1005	.28	.30	.50	2.2	<.010	<.010	80	1	<10

DATE	TIME	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)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
18...	0941	--	--	--	--	--	--	--	.500	<.100
18...	0945	1	90	1	10	.1	6	40	--	--
18...	1005	1	60	4	10	.1	6	70	--	--

DATE	TIME	MEDIUM	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)
JUN								
14...	1310	9	80513	80513	.00	204	145	8.8
14...	1312	9	80513	80513	10.0	204	145	8.8
14...	1314	9	80513	80513	20.0	204	145	8.8
14...	1316	9	80513	80513	25.0	204	145	8.9
14...	1318	9	80513	80513	26.0	204	145	9.0
14...	1320	9	80513	80513	27.0	204	145	8.9
14...	1322	9	80513	80513	28.0	204	145	8.9
14...	1324	9	80513	80513	29.0	204	145	8.8
14...	1326	9	80513	80513	30.0	204	145	8.6
14...	1328	9	80513	80513	32.0	204	145	8.4
14...	1330	9	80513	80513	35.0	204	145	8.3
14...	1332	9	80513	80513	40.0	204	145	8.2
14...	1334	9	80513	80513	45.0	204	145	8.1
14...	1336	9	80513	80513	50.0	204	147	7.9
14...	1338	9	80513	80513	60.0	204	147	7.8
14...	1340	9	80513	80513	70.0	204	147	7.8
14...	1342	9	80513	80513	80.0	204	147	7.8
14...	1344	9	80513	80513	90.0	204	147	7.7
14...	1346	9	80513	80513	100	204	148	7.7
14...	1348	9	80513	80513	110	204	148	7.7
14...	1350	9	80513	80513	120	204	148	7.7
14...	1352	9	80513	80513	130	204	147	7.7
14...	1354	9	80513	80513	140	204	146	7.6
14...	1356	9	80513	80513	150	204	146	7.6
14...	1358	9	80513	80513	160	204	146	7.6
14...	1400	9	80513	80513	170	204	146	7.5
14...	1402	9	80513	80513	180	204	147	7.5
14...	1404	9	80513	80513	190	204	147	7.5
14...	1406	9	80513	80513	200	204	150	7.4
14...	1410	9	80513	80513	204	204	155	7.4

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUN							
14...	1310	23.5	185	4.7	8.4	103	734
14...	1312	23.5	--	--	8.4	--	--
14...	1314	23.5	--	--	8.3	--	--
14...	1316	22.5	--	--	9.2	--	--
14...	1318	21.5	--	--	10.0	--	--
14...	1320	20.0	--	--	10.4	--	--
14...	1322	19.0	--	--	10.6	--	--
14...	1324	17.5	--	--	10.5	--	--
14...	1326	16.0	--	--	9.7	--	--
14...	1328	15.0	--	--	9.5	--	--
14...	1330	14.0	--	--	9.4	--	--
14...	1332	13.5	--	--	9.3	--	--
14...	1334	12.5	--	--	8.8	--	--
14...	1336	12.0	--	--	8.6	--	--
14...	1338	11.0	--	--	8.2	--	--
14...	1340	10.0	--	--	8.3	--	--
14...	1342	9.5	--	--	8.3	--	--
14...	1344	9.0	--	--	8.3	--	--
14...	1346	9.0	--	--	8.2	--	--
14...	1348	8.5	--	--	8.1	--	--
14...	1350	8.5	--	--	8.0	--	--
14...	1352	8.0	--	--	7.7	--	--
14...	1354	7.5	--	--	7.4	--	--
14...	1356	7.0	--	--	7.0	--	--
14...	1358	7.0	--	--	6.8	--	--
14...	1400	7.0	--	--	6.4	--	--
14...	1402	7.0	--	--	6.1	--	--
14...	1404	7.0	--	--	6.0	--	--
14...	1406	7.0	--	--	4.5	--	--
14...	1410	7.0	--	--	4.0	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JUL										
12...	1450	9	80513	80513	.00	200	153	8.6	30.0	264
12...	1451	9	80513	80010	3.00	200	--	--	--	--
12...	1452	9	80513	80513	10.0	200	152	8.6	29.0	--
12...	1454	9	80513	80513	13.0	200	150	8.7	28.0	--
12...	1456	9	80513	80513	17.0	200	150	8.8	27.0	--
12...	1458	9	80513	80513	20.0	200	150	8.8	26.0	--
12...	1500	9	80513	80513	22.0	200	151	8.8	25.0	--
12...	1502	9	80513	80513	24.0	200	152	8.7	24.0	--
12...	1504	9	80513	80513	25.0	200	151	8.5	22.0	--
12...	1506	9	80513	80513	26.0	200	150	8.5	20.5	--
12...	1508	9	80513	80513	28.0	200	150	8.3	19.5	--
12...	1510	9	80513	80513	30.0	200	151	8.2	18.5	--
12...	1512	9	80513	80513	32.0	200	151	8.1	17.5	--
12...	1514	9	80513	80513	34.0	200	150	8.1	16.5	--
12...	1516	9	80513	80513	35.0	200	151	8.0	15.5	--
12...	1518	9	80513	80513	40.0	200	151	8.0	15.0	--
12...	1520	9	80513	80513	45.0	200	152	7.9	14.0	--
12...	1522	9	80513	80513	50.0	200	152	7.8	13.5	--
12...	1524	9	80513	80513	60.0	200	152	7.7	12.5	--
12...	1526	9	80513	80513	70.0	200	151	7.5	11.5	--
12...	1528	9	80513	80513	80.0	200	149	7.5	10.5	--
12...	1530	9	80513	80513	90.0	200	149	7.5	10.0	--
12...	1532	9	80513	80513	100	200	150	7.5	9.5	--
12...	1534	9	80513	80513	110	200	150	7.5	9.5	--
12...	1536	9	80513	80513	120	200	150	7.5	9.0	--
12...	1538	9	80513	80513	130	200	151	7.5	8.5	--
12...	1540	9	80513	80513	140	200	151	7.5	8.5	--
12...	1542	9	80513	80513	150	200	151	7.4	8.0	--
12...	1544	9	80513	80513	160	200	151	7.4	8.0	--
12...	1546	9	80513	80513	170	200	152	7.4	7.5	--
12...	1548	9	80513	80513	180	200	153	7.3	7.5	--
12...	1549	9	80513	80513	190	200	153	7.3	7.5	--
12...	1550	9	80513	80513	200	200	154	7.3	7.5	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
12...	1450	6.7	7.3	99	744	--	--	--	--	--
12...	1451	--	--	--	--	.050	.15	.020	.700	<.100
12...	1452	--	7.4	--	--	--	--	--	--	--
12...	1454	--	7.9	--	--	--	--	--	--	--
12...	1456	--	8.0	--	--	--	--	--	--	--
12...	1458	--	8.0	--	--	--	--	--	--	--
12...	1500	--	8.0	--	--	--	--	--	--	--
12...	1502	--	8.5	--	--	--	--	--	--	--
12...	1504	--	8.8	--	--	--	--	--	--	--
12...	1506	--	8.6	--	--	--	--	--	--	--
12...	1508	--	8.7	--	--	--	--	--	--	--
12...	1510	--	8.8	--	--	--	--	--	--	--
12...	1512	--	8.6	--	--	--	--	--	--	--
12...	1514	--	8.4	--	--	--	--	--	--	--
12...	1516	--	8.6	--	--	--	--	--	--	--
12...	1518	--	8.5	--	--	--	--	--	--	--
12...	1520	--	8.3	--	--	--	--	--	--	--
12...	1522	--	8.0	--	--	--	--	--	--	--
12...	1524	--	7.0	--	--	--	--	--	--	--
12...	1526	--	6.3	--	--	--	--	--	--	--
12...	1528	--	6.5	--	--	--	--	--	--	--
12...	1530	--	6.8	--	--	--	--	--	--	--
12...	1532	--	6.9	--	--	--	--	--	--	--
12...	1534	--	7.1	--	--	--	--	--	--	--
12...	1536	--	7.1	--	--	--	--	--	--	--
12...	1538	--	7.1	--	--	--	--	--	--	--
12...	1540	--	6.9	--	--	--	--	--	--	--
12...	1542	--	6.4	--	--	--	--	--	--	--
12...	1544	--	5.8	--	--	--	--	--	--	--
12...	1546	--	5.2	--	--	--	--	--	--	--
12...	1548	--	4.6	--	--	--	--	--	--	--
12...	1549	--	4.5	--	--	--	--	--	--	--
12...	1550	--	4.3	--	--	--	--	--	--	--

DATE	TIME	MEDIUM	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)
AUG										
17...	0840	9	80513	80513	.00	192	142	8.8	26.0	30.0
17...	0842	9	80513	80513	10.0	192	142	8.7	--	30.0
17...	0844	9	80513	80513	20.0	192	141	8.8	--	30.0
17...	0846	9	80513	80513	22.0	192	140	8.9	--	29.0
17...	0848	9	80513	80513	23.0	192	139	9.0	--	27.5
17...	0849	9	80513	80513	24.0	192	139	9.0	--	26.5
17...	0850	9	80513	80010	25.0	192	139	9.0	--	25.5
17...	0852	9	80513	80513	27.0	192	138	9.0	--	24.5
17...	0854	9	80513	80513	29.0	192	138	9.0	--	23.5
17...	0856	9	80513	80513	30.0	192	138	9.0	--	22.5
17...	0858	9	80513	80513	32.0	192	139	8.8	--	21.5
17...	0900	9	80513	80513	34.0	192	139	8.7	--	20.5
17...	0902	9	80513	80513	36.0	192	139	8.5	--	19.5
17...	0904	9	80513	80513	38.0	192	139	8.3	--	18.5
17...	0906	9	80513	80513	40.0	192	140	8.3	--	17.5
17...	0908	9	80513	80513	43.0	192	141	8.2	--	16.5
17...	0910	9	80513	80513	46.0	192	141	8.2	--	15.5
17...	0912	9	80513	80513	50.0	192	141	8.1	--	15.0
17...	0914	9	80513	80513	55.0	192	141	8.0	--	14.0
17...	0916	9	80513	80513	60.0	192	140	7.9	--	13.0
17...	0918	9	80513	80513	70.0	192	138	7.9	--	12.0
17...	0920	9	80513	80513	80.0	192	135	7.8	--	11.0
17...	0922	9	80513	80513	90.0	192	134	7.8	--	10.5
17...	0925	9	80513	80010	100	192	133	7.8	--	10.0
17...	0926	9	80513	80513	110	192	133	7.8	--	9.5
17...	0928	9	80513	80513	120	192	134	7.8	--	9.5
17...	0930	9	80513	80513	130	192	134	7.8	--	9.0
17...	0932	9	80513	80513	140	192	135	7.7	--	9.0
17...	0934	9	80513	80513	150	192	136	7.7	--	8.5
17...	0936	9	80513	80513	160	192	138	7.7	--	8.5
17...	0937	9	80513	80513	170	192	140	7.7	--	8.0
17...	0938	9	80513	80513	180	192	143	7.6	--	8.0
17...	0939	9	80513	80513	190	192	146	7.6	--	8.0
17...	0940	9	80513	80513	192	192	148	7.5	--	8.0

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
AUG										
17...	0840	205	5.2	7.3	100	737	--	--	--	0
17...	0842	--	--	7.3	--	--	--	--	--	--
17...	0844	--	--	7.4	--	--	--	--	--	--
17...	0846	--	--	8.2	--	--	--	--	--	--
17...	0848	--	--	9.5	--	--	--	--	--	--
17...	0849	--	--	9.9	--	--	--	--	--	--
17...	0850	--	--	10.0	--	--	14	<1.0	.5	--
17...	0852	--	--	10.5	--	--	--	--	--	--
17...	0854	--	--	11.0	--	--	--	--	--	--
17...	0856	--	--	10.7	--	--	--	--	--	--
17...	0858	--	--	10.2	--	--	--	--	--	--
17...	0900	--	--	9.3	--	--	--	--	--	--
17...	0902	--	--	8.5	--	--	--	--	--	--
17...	0904	--	--	8.1	--	--	--	--	--	--
17...	0906	--	--	8.1	--	--	--	--	--	--
17...	0908	--	--	8.1	--	--	--	--	--	--
17...	0910	--	--	8.1	--	--	--	--	--	--
17...	0912	--	--	7.9	--	--	--	--	--	--
17...	0914	--	--	7.0	--	--	--	--	--	--
17...	0916	--	--	6.3	--	--	--	--	--	--
17...	0918	--	--	5.1	--	--	--	--	--	--
17...	0920	--	--	5.3	--	--	--	--	--	--
17...	0922	--	--	5.7	--	--	--	--	--	--
17...	0925	--	--	5.8	--	--	13	<1.0	.6	--
17...	0926	--	--	5.8	--	--	--	--	--	--
17...	0928	--	--	5.7	--	--	--	--	--	--
17...	0930	--	--	5.5	--	--	--	--	--	--
17...	0932	--	--	5.2	--	--	--	--	--	--
17...	0934	--	--	4.5	--	--	--	--	--	--
17...	0936	--	--	3.2	--	--	--	--	--	--
17...	0937	--	--	2.8	--	--	--	--	--	--
17...	0938	--	--	1.6	--	--	--	--	--	--
17...	0939	--	--	1.3	--	--	--	--	--	--
17...	0940	--	--	1.0	--	--	--	--	--	--

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
AUG										
17...	0850	61	0	0	21	53	2.1	1.5	79	7.0
17...	0925	58	0	0	20	50	1.9	1.5	57	7.0

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)
AUG										
17...	0850	3.0	--	<.100	.020	.08	.10	<.010	<.010	<10
17...	0925	2.7	.500	.500	.180	--	<.10	<.010	<.010	<10

DATE	TIME	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										
17...	0850	1	10	4	110	5	10	<.1	<1	20
17...	0925	1	10	3	120	3	10	<.1	1	10

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
SEP										
19...	1300	9	80513	80513	.00	176	136	8.6	26.0	146
19...	1301	9	80513	80010	3.00	176	--	--	--	--
19...	1302	9	80513	80513	10.0	176	144	8.6	26.0	--
19...	1304	9	80513	80513	20.0	176	144	8.5	25.5	--
19...	1306	9	80513	80513	30.0	176	146	8.5	25.5	--
19...	1308	9	80513	80513	37.0	176	146	8.4	24.5	--
19...	1310	9	80513	80513	38.0	176	146	8.3	23.5	--
19...	1312	9	80513	80513	40.0	176	146	8.0	22.5	--
19...	1314	9	80513	80513	41.0	176	146	7.9	21.5	--
19...	1316	9	80513	80513	42.0	176	146	7.9	20.5	--
19...	1318	9	80513	80513	44.0	176	146	7.6	19.5	--
19...	1320	9	80513	80513	46.0	176	146	7.6	18.5	--
19...	1322	9	80513	80513	48.0	176	146	7.5	17.5	--
19...	1324	9	80513	80513	50.0	176	146	7.4	16.5	--
19...	1326	9	80513	80513	55.0	176	144	7.3	15.5	--
19...	1328	9	80513	80513	60.0	176	144	7.2	14.5	--
19...	1330	9	80513	80513	65.0	176	144	7.1	13.5	--
19...	1332	9	80513	80513	70.0	176	142	7.0	13.0	--
19...	1334	9	80513	80513	80.0	176	140	7.0	12.5	--
19...	1336	9	80513	80513	90.0	176	134	6.9	11.0	--
19...	1338	9	80513	80513	100	176	134	6.9	10.5	--
19...	1340	9	80513	80513	110	176	134	6.9	10.0	--
19...	1342	9	80513	80513	120	176	134	6.9	9.5	--
19...	1344	9	80513	80513	130	176	134	6.9	9.0	--
19...	1346	9	80513	80513	140	176	136	6.9	9.0	--
19...	1348	9	80513	80513	150	176	140	6.9	9.0	--
19...	1350	9	80513	80513	160	176	142	6.9	8.5	--
19...	1352	9	80513	80513	170	176	146	6.9	8.5	--
19...	1355	9	80513	80513	176	176	148	6.9	8.5	--
20...	0730	9	80513	80513	.00	171	190	8.7	25.5	114
20...	0732	9	80513	80513	10.0	171	190	8.7	25.5	--
20...	0734	9	80513	80513	20.0	171	190	8.6	25.5	--
20...	0736	9	80513	80513	30.0	171	195	8.6	25.5	--
20...	0738	9	80513	80513	32.0	171	200	8.3	24.5	--
20...	0740	9	80513	80513	33.0	171	220	7.6	23.5	--
20...	0742	9	80513	80513	34.0	171	220	7.5	22.5	--
20...	0744	9	80513	80513	35.0	171	220	7.5	21.5	--
20...	0746	9	80513	80513	36.0	171	220	7.5	20.5	--
20...	0748	9	80513	80513	37.0	171	225	7.5	19.5	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	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										
19...	1300	3.7	6.8	86	740	--	--	--	--	--
19...	1301	--	--	--	--	.010	.03	<.010	1.10	<.100
19...	1302	--	6.8	--	--	--	--	--	--	--
19...	1304	--	6.7	--	--	--	--	--	--	--
19...	1306	--	6.7	--	--	--	--	--	--	--
19...	1308	--	6.7	--	--	--	--	--	--	--
19...	1310	--	7.0	--	--	--	--	--	--	--
19...	1312	--	7.4	--	--	--	--	--	--	--
19...	1314	--	7.4	--	--	--	--	--	--	--
19...	1316	--	7.0	--	--	--	--	--	--	--
19...	1318	--	6.3	--	--	--	--	--	--	--
19...	1320	--	6.2	--	--	--	--	--	--	--
19...	1322	--	6.0	--	--	--	--	--	--	--
19...	1324	--	6.0	--	--	--	--	--	--	--
19...	1326	--	5.1	--	--	--	--	--	--	--
19...	1328	--	4.1	--	--	--	--	--	--	--
19...	1330	--	3.8	--	--	--	--	--	--	--
19...	1332	--	3.4	--	--	--	--	--	--	--
19...	1334	--	3.2	--	--	--	--	--	--	--
19...	1336	--	3.4	--	--	--	--	--	--	--
19...	1338	--	3.7	--	--	--	--	--	--	--
19...	1340	--	3.8	--	--	--	--	--	--	--
19...	1342	--	3.6	--	--	--	--	--	--	--
19...	1344	--	3.4	--	--	--	--	--	--	--
19...	1346	--	3.0	--	--	--	--	--	--	--
19...	1348	--	1.9	--	--	--	--	--	--	--
19...	1350	--	1.3	--	--	--	--	--	--	--
19...	1352	--	.3	--	--	--	--	--	--	--
19...	1355	--	.1	--	--	--	--	--	--	--
20...	0730	2.90	7.6	96	741	--	--	--	--	--
20...	0732	--	6.3	--	--	--	--	--	--	--
20...	0734	--	6.3	--	--	--	--	--	--	--
20...	0736	--	6.3	--	--	--	--	--	--	--
20...	0738	--	5.1	--	--	--	--	--	--	--
20...	0740	--	.7	--	--	--	--	--	--	--
20...	0742	--	.4	--	--	--	--	--	--	--
20...	0744	--	.1	--	--	--	--	--	--	--
20...	0746	--	.0	--	--	--	--	--	--	--
20...	0748	--	.0	--	--	--	--	--	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP										
20...	0750	9	80513	80513	38.0	171	225	7.5	18.5	.0
20...	0752	9	80513	80513	40.0	171	225	7.5	18.0	.0
20...	0754	9	80513	80513	45.0	171	220	7.5	17.0	.0
20...	0756	9	80513	80513	50.0	171	220	7.5	16.5	.0
20...	0758	9	80513	80513	60.0	171	220	7.4	15.5	.0
20...	0800	9	80513	80513	70.0	171	215	7.4	15.0	.0
20...	0802	9	80513	80513	80.0	171	210	7.3	14.5	.4
20...	0804	9	80513	80513	90.0	171	200	7.3	14.0	1.0
20...	0806	9	80513	80513	100	171	210	7.2	13.5	1.1
20...	0808	9	80513	80513	110	171	210	7.2	13.0	1.3
20...	0810	9	80513	80513	120	171	210	7.2	12.5	1.7
20...	0812	9	80513	80513	130	171	210	7.2	12.0	1.9
20...	0814	9	80513	80513	140	171	210	7.2	11.5	1.6
20...	0816	9	80513	80513	150	171	210	7.1	10.5	.4
20...	0818	9	80513	80513	160	171	215	7.1	10.5	.1
20...	0819	9	80513	80513	170	171	220	7.1	10.0	.1
20...	0820	9	80513	80513	171	171	220	7.1	10.0	.1

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 west of Eureka Springs, and at mile 609.0.

DRAINAGE AREA.--1,192 mi^2.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 22...	0900	0	80513	80513	490	142	7.2	8.0	6.8
NOV 24...	0940	0	80513	80513	20	160	7.5	5.5	10.3
DEC 08...	1320	0	80513	80513	870	156	7.1	8.5	3.9

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN 25...	1350	0	80513	80010	20	165	8.0	9.5	10.0	11.4

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
JAN 25...	1350	105	733	5	1.9	1.2	<3	60	0	0

DATE	TIME	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
JAN 25...	1350	19	48	3.0	1.5	69	8.0	4.0	.200

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)
JAN 25...	1350	.200	.050	<.10	.010	.03	.020	40	2

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)
JAN 25...	1350	20	2	70	<1	190	.2	3	10

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
FEB 11...	1045	0	80513	80513	640	137	7.9	7.0	10.2

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAR 23...	0930	0	80513	80513	4750	137	7.6	7.0	9.7

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
APR 21...	1000	9	80513	80513	20	142	8.2	8.5	12.3

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY 18...	0900	9	80513	80010	1200	148	7.9	20.0	8.5	9.6

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
MAY 18...	0900	85	735	2	1.1	1.2	19	58	0	0

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K) (00937)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
MAY 18...	0900	21	1.4	1.6	61	7.0	2.8	.200	.200	.010

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)
MAY 18...	0900	.29	.30	.50	2.2	<.010	<.010	100	1

DATE	TIME	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 18...	0900	10	<1	140	3	20	.1	8	20

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 14...	1230	9	80513	80513	1040	152	7.7	9.0	8.6

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL 12...	1415	9	80513	80513	3990	151	7.5	9.0	7.2

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG 17...	0815	9	80513	80010	3540	165	7.2	20.0	10.5	6.6

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
AUG 17...	0815	61	742	18	1.0	.3	20	77	3	3

DATE	TIME	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
AUG 17...	0815	25	63	3.5	1.4	74	7.0	3.0	.300

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)
AUG 17...	0815	.300	.040	<.10	.010	.03	<.010	<10	1

DATE	TIME	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 17...	0815	20	3	150	2	20	<.1	<1	20

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 19...	1215	9	80513	80513	2720	134	7.2	11.5	4.4

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 downstream from Butler Creek, and 13 mi downstream from Beaver Dam.

DRAINAGE AREA.--1,244 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
19...	1350	0	9827	9827	130	7.5	19.0	7.0	3.5	7.2
NOV										
23...	1615	0	9827	9827	20	7.8	2.0	9.0	3.0	10.7
DEC										
14...	1445	0	9827	9827	20	7.5	10.0	9.0	3.4	8.1
FEB										
16...	0930	0	9827	9827	7720	7.8	6.0	7.0	2.5	10.8
MAR										
08...	1820	0	9827	9827	3010	8.1	7.0	10.0	5.0	--
APR										
12...	0810	0	9827	9827	--	7.7	20.0	10.0	2.0	10.6
MAY										
10...	1535	0	9827	9827	130	8.1	30.0	21.0	4.0	10.5
JUN										
28...	1600	0	9827	9827	3860	7.6	28.0	15.0	2.2	8.4
JUL										
19...	1835	0	9827	9827	2570	8.3	28.0	27.0	4.0	9.0
AUG										
16...	1905	0	9827	9827	3120	7.5	31.0	17.0	4.5	7.3
30...	1510	0	9827	9827	2780	7.2	--	--	3.7	--
SEP										
13...	1630	0	9827	9827	210	8.1	24.0	23.0	5.0	8.9

DATE	TIME	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										
19...	1350	59	1.9	4	60	5.0	5.0	85	.12	2
NOV										
23...	1615	92	2.3	16	82	8.0	6.5	100	.14	5
DEC										
14...	1445	70	1.1	40	94	8.0	4.0	115	.16	10
FEB										
16...	0930	88	1.1	4	68	9.0	3.5	89	.12	14
MAR										
08...	1820	--	3.1	84	92	9.0	4.5	118	.16	1
APR										
12...	0810	94	.9	<4	72	9.0	5.0	87	.12	1
MAY										
10...	1535	--	2.2	20	--	6.0	3.5	132	.18	41
JUN										
28...	1600	--	1.1	20	--	4.0	5.5	96	.13	3
JUL										
19...	1835	--	2.0	12	--	8.0	5.5	109	.15	9
AUG										
16...	1905	--	.9	12	--	10	5.5	93	.13	11
30...	1510	--	--	12	--	5.0	6.0	88	.12	5
SEP										
13...	1630	--	2.7	<4	--	7.0	5.0	96	.13	9

07050000 WHITE RIVER AT BEAVER, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT									
19...	1350	.170	.020	--	1.00	<1	<1	<10	20
NOV									
23...	1615	--	.030	<.010	.010	2	<1	13	30
DEC									
14...	1445	--	.040	.040	.020	<1	1	<10	40
FEB									
16...	0930	.240	.020	.020	.010	<1	5	29	60
MAR									
08...	1820	.420	.010	.050	.050	<1	2	<10	30
APR									
12...	0810	--	.040	.010	<.010	<1	<1	<10	10
MAY									
10...	1535	.140	.010	.020	<.010	<1	<1	<10	30
JUN									
28...	1600	.230	.040	.010	<.010	<1	--	--	--
JUL									
19...	1835	.140	.070	.020	.010	<1	<1	<10	20
AUG									
16...	1905	.380	.060	.020	.020	<1	<1	15	--
30...	1510	--	.060	.020	<.010	<1	<1	12	50
SEP									
13...	1630	--	.050	--	.010	<1	<1	<10	--

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 downstream from Bee Creek, 2.5 mi upstream from Clabber Creek, 5.3 mi northwest of Berryville, and at mile 35.1.

DRAINAGE AREA.--527 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
19...	1302	0	9827	9827	39	8.4	22.0	19.0	2.1	13.2
NOV										
23...	1645	0	9827	9827	348	7.7	2.0	10.0	25	8.9
DEC										
14...	1515	0	9827	9827	630	7.7	10.0	2.0	7.0	11.5
FEB										
16...	1000	0	9827	9827	360	8.0	14.0	8.0	2.0	11.2
MAR										
08...	1740	0	9827	9827	620	7.8	7.0	8.0	3.0	--
APR										
12...	0850	0	9827	9827	950	7.8	19.0	14.0	3.0	10.0
MAY										
10...	1615	0	9827	9827	460	8.6	26.0	19.0	2.0	--
JUN										
28...	1700	0	9827	9827	280	7.9	28.0	25.0	10	8.4
JUL										
19...	1920	0	9827	9827	48	7.9	28.0	28.0	5.8	8.1
AUG										
16...	1950	0	9827	9827	25	8.4	28.0	30.0	6.2	9.5
30...	1600	0	9827	9827	15	8.2	--	--	7.2	--
SEP										
13...	1720	0	9827	9827	7.0	8.2	24.0	25.0	7.0	9.9

DATE	TIME	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)
OCT									
19...	1302	140	5	3.3	36	130	7.0	6.5	160
NOV									
23...	1645	79	--	4.1	>240	140	11	6.0	172
DEC									
14...	1515	83	2	2.6	80	100	8.0	6.0	120
FEB									
16...	1000	94	6	1.4	40	110	9.0	3.5	125
MAR									
08...	1740	--	--	.7	8	70	9.0	4.5	92
APR									
12...	0850	96	4	2.1	120	100	8.0	4.5	114
MAY									
10...	1615	--	5	2.2	<4	--	5.0	4.5	129
JUN									
28...	1700	--	8	1.3	390	--	2.0	5.0	151
JUL									
19...	1920	--	7	2.1	130	--	8.0	7.0	150
AUG									
16...	1950	--	10	3.4	72	--	12	7.5	153
30...	1600	--	7	--	20	--	5.0	9.0	170
SEP									
13...	1720	--	4	3.8	24	--	10	10	168

07050500 KINGS RIVER NEAR BERRYVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)
OCT									
19...	1302	.22	2	.200	.040	.26	.30	.50	2.2
NOV									
23...	1645	.23	24	--	.360	.54	.90	--	--
DEC									
14...	1515	.16	4	--	.040	--	<.10	--	--
FEB									
16...	1000	.17	13	.590	.110	.09	.20	.79	3.5
MAR									
08...	1740	.13	4	.220	.010	.49	.50	.72	3.2
APR									
12...	0850	.16	4	--	.070	.43	.50	--	--
MAY									
10...	1615	.18	6	.360	<.010	--	.20	.56	2.5
JUN									
28...	1700	.21	16	.460	.050	2.0	2.0	2.5	11
JUL									
19...	1920	.20	10	.400	.070	.33	.40	.80	3.5
AUG									
16...	1950	.21	11	.060	.070	--	<.10	--	--
30...	1600	.23	14	--	.060	.54	.60	--	--
SEP									
13...	1720	.23	12	--	.070	29	29	--	--

DATE	TIME	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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									
19...	1302	--	.020	<5	<1	<1	<10	<5	40
NOV									
23...	1645	.210	.150	--	<1	<1	<10	--	20
DEC									
14...	1515	.030	.050	--	<1	<1	<10	--	0
FEB									
16...	1000	.080	.070	--	<1	6	11	--	50
MAR									
08...	1740	.030	.010	--	<1	1	<10	--	20
APR									
12...	0850	.040	.010	<5	<1	<1	<10	<5	20
MAY									
10...	1615	.040	.020	--	<1	<1	<10	--	0
JUN									
28...	1700	.070	.010	--	<1	--	--	--	--
JUL									
19...	1920	.130	.010	<5	<1	<1	<10	<5	0
AUG									
16...	1950	.120	.070	--	<1	<1	<10	--	--
30...	1600	.160	.060	--	<1	<1	<10	--	20
SEP									
13...	1720	--	.060	--	<1	<1	<10	--	--

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 upstream from Fall Creek, and 6.1 mi southwest of Branson.

DRAINAGE AREA.--4,020 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT								
04...	1610	0	80513	80513	.00	190	220	8.6
04...	1612	0	80513	80513	10.0	190	220	8.5
04...	1614	0	80513	80513	20.0	190	220	8.5
04...	1616	0	80513	80513	30.0	190	225	8.3
04...	1618	0	80513	80513	40.0	190	235	7.7
04...	1620	0	80513	80513	41.0	190	245	7.5
04...	1622	0	80513	80513	45.0	190	245	7.4
04...	1624	0	80513	80513	48.0	190	240	7.3
04...	1626	0	80513	80513	50.0	190	240	7.3
04...	1628	0	80513	80513	55.0	190	230	7.3
04...	1630	0	80513	80513	60.0	190	230	7.3
04...	1632	0	80513	80513	70.0	190	225	7.3
04...	1634	0	80513	80513	80.0	190	225	7.3
04...	1636	0	80513	80513	90.0	190	230	7.3
04...	1638	0	80513	80513	100	190	235	7.3
04...	1640	0	80513	80513	110	190	235	7.3
04...	1642	0	80513	80513	120	190	235	7.3
04...	1644	0	80513	80513	130	190	235	7.3
04...	1646	0	80513	80513	140	190	235	7.2
04...	1648	0	80513	80513	150	190	235	7.2
04...	1650	0	80513	80513	160	190	240	7.2
04...	1652	0	80513	80513	170	190	240	7.1
04...	1654	0	80513	80513	180	190	245	7.1
04...	1655	0	80513	80513	190	190	255	7.0
21...	1400	0	80513	80513	.00	186	230	8.0
21...	1402	0	80513	80513	10.0	186	230	8.0
21...	1404	0	80513	80513	20.0	186	230	8.1
21...	1406	0	80513	80513	30.0	186	225	8.1
21...	1408	0	80513	80513	40.0	186	225	8.2
21...	1410	0	80513	80513	50.0	186	225	8.2
21...	1412	0	80513	80513	57.0	186	230	7.8
21...	1414	0	80513	80513	58.0	186	235	7.6
21...	1416	0	80513	80513	60.0	186	235	7.5
21...	1418	0	80513	80513	65.0	186	230	7.5
21...	1420	0	80513	80513	70.0	186	225	7.4
21...	1422	0	80513	80513	80.0	186	225	7.4
21...	1424	0	80513	80513	90.0	186	225	7.4
21...	1426	0	80513	80513	100	186	225	7.4
21...	1428	0	80513	80513	110	186	225	7.4

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT							
04...	1610	22.5	162	4.1	8.1	95	749
04...	1612	21.5	--	--	8.1	--	--
04...	1614	21.5	--	--	7.7	--	--
04...	1616	20.5	--	--	6.5	--	--
04...	1618	19.5	--	--	.9	--	--
04...	1620	18.0	--	--	.4	--	--
04...	1622	17.0	--	--	.1	--	--
04...	1624	16.0	--	--	.1	--	--
04...	1626	15.5	--	--	.1	--	--
04...	1628	14.5	--	--	.0	--	--
04...	1630	14.0	--	--	.0	--	--
04...	1632	13.0	--	--	.2	--	--
04...	1634	12.0	--	--	1.2	--	--
04...	1636	11.0	--	--	2.6	--	--
04...	1638	10.5	--	--	3.3	--	--
04...	1640	10.0	--	--	3.6	--	--
04...	1642	10.0	--	--	3.6	--	--
04...	1644	9.0	--	--	3.4	--	--
04...	1646	8.5	--	--	3.2	--	--
04...	1648	8.5	--	--	2.5	--	--
04...	1650	8.0	--	--	1.0	--	--
04...	1652	7.5	--	--	.2	--	--
04...	1654	7.0	--	--	.1	--	--
04...	1655	6.5	--	--	.0	--	--
21...	1400	19.0	152	3.8	7.9	87	749
21...	1402	18.5	--	--	7.8	--	--
21...	1404	18.5	--	--	7.7	--	--
21...	1406	18.5	--	--	7.7	--	--
21...	1408	18.5	--	--	7.6	--	--
21...	1410	18.5	--	--	7.5	--	--
21...	1412	17.5	--	--	4.5	--	--
21...	1414	16.0	--	--	1.4	--	--
21...	1416	15.5	--	--	.6	--	--
21...	1418	14.5	--	--	.2	--	--
21...	1420	13.5	--	--	.2	--	--
21...	1422	12.5	--	--	.8	--	--
21...	1424	12.0	--	--	1.5	--	--
21...	1426	11.0	--	--	2.2	--	--
21...	1428	10.5	--	--	2.6	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT										
21...	1430	0	80513	80513	120	186	225	7.4	10.0	2.9
21...	1432	0	80513	80513	130	186	225	7.4	9.5	2.9
21...	1434	0	80513	80513	140	186	230	7.3	9.0	2.3
21...	1436	0	80513	80513	150	186	230	7.3	8.5	1.1
21...	1438	0	80513	80513	160	186	235	7.3	8.0	.4
21...	1440	0	80513	80513	170	186	240	7.2	7.5	.0
21...	1443	0	80513	80513	180	186	245	7.2	7.0	.0
21...	1445	0	80513	80513	186	186	245	7.2	7.0	.0

WHITE RIVER BASIN

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV								
23...	1340	0	80513	80513	.00	186	210	7.7
23...	1342	0	80513	80513	10.0	186	210	7.7
23...	1344	0	80513	80513	20.0	186	210	7.6
23...	1346	0	80513	80513	30.0	186	210	7.6
23...	1348	0	80513	80513	40.0	186	210	7.6
23...	1350	0	80513	80513	50.0	186	210	7.6
23...	1352	0	80513	80513	60.0	186	210	7.6
23...	1354	0	80513	80513	70.0	186	210	7.6
23...	1356	0	80513	80513	80.0	186	210	7.6
23...	1358	0	80513	80513	90.0	186	205	7.0
23...	1400	0	80513	80513	100	186	205	7.0
23...	1402	0	80513	80513	110	186	205	7.0
23...	1404	0	80513	80513	120	186	210	7.0
23...	1406	0	80513	80513	130	186	210	7.0
23...	1408	0	80513	80513	140	186	210	6.9
23...	1410	0	80513	80513	150	186	215	6.9
23...	1412	0	80513	80513	160	186	220	6.9
23...	1413	0	80513	80513	170	186	225	6.9
23...	1414	0	80513	80513	180	186	225	6.9
23...	1415	0	80513	80513	186	186	225	6.9

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
23...	1340	13.5	88.0	2.20	8.7	86	741
23...	1342	13.5	--	--	8.7	--	--
23...	1344	13.5	--	--	8.6	--	--
23...	1346	13.5	--	--	8.5	--	--
23...	1348	13.5	--	--	8.4	--	--
23...	1350	13.5	--	--	8.3	--	--
23...	1352	13.5	--	--	8.2	--	--
23...	1354	13.5	--	--	8.1	--	--
23...	1356	13.5	--	--	8.0	--	--
23...	1358	12.5	--	--	.7	--	--
23...	1400	11.5	--	--	.5	--	--
23...	1402	11.0	--	--	.6	--	--
23...	1404	10.5	--	--	.9	--	--
23...	1406	10.0	--	--	.9	--	--
23...	1408	9.5	--	--	.3	--	--
23...	1410	9.0	--	--	.2	--	--
23...	1412	8.5	--	--	.1	--	--
23...	1413	8.5	--	--	.1	--	--
23...	1414	8.0	--	--	.1	--	--
23...	1415	8.0	--	--	.1	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
DEC										
09...	1310	0	80513	80513	.00	198	215	7.9	5.0	12.0
09...	1311	0	80513	80010	3.00	198	--	--	--	--
09...	1312	0	80513	80513	10.0	198	215	7.9	--	12.0
09...	1314	0	80513	80513	20.0	198	215	7.9	--	12.0
09...	1315	0	80513	80010	25.0	198	215	7.9	--	12.0
09...	1318	0	80513	80513	30.0	198	215	7.9	--	12.0
09...	1320	0	80513	80513	40.0	198	215	7.9	--	12.0
09...	1322	0	80513	80513	50.0	198	215	7.9	--	12.0
09...	1324	0	80513	80513	60.0	198	215	7.8	--	12.0
09...	1326	0	80513	80513	70.0	198	215	7.8	--	12.0
09...	1328	0	80513	80513	80.0	198	215	7.8	--	12.0
09...	1329	0	80513	80513	90.0	198	215	7.8	--	12.0
09...	1330	0	80513	80010	100	198	215	7.8	--	12.0
09...	1332	0	80513	80513	110	198	220	7.8	--	12.0
09...	1334	0	80513	80513	120	198	220	7.7	--	12.0
09...	1336	0	80513	80513	130	198	220	7.6	--	11.5
09...	1338	0	80513	80513	140	198	220	7.4	--	11.0
09...	1340	0	80513	80513	150	198	220	7.2	--	10.5
09...	1342	0	80513	80513	160	198	220	7.1	--	10.0
09...	1344	0	80513	80513	170	198	220	7.1	--	9.5
09...	1346	0	80513	80513	180	198	230	7.1	--	8.5
09...	1348	0	80513	80513	190	198	240	7.1	--	8.0
09...	1350	0	80513	80513	198	198	240	7.1	--	7.5

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC									
09...	1310	222	5.6	8.2	77	752	--	--	--
09...	1312	--	--	8.2	--	--	--	--	--
09...	1314	--	--	8.2	--	--	--	--	--
09...	1315	--	--	8.2	--	--	7	<1.0	2.6
09...	1318	--	--	8.2	--	--	--	--	--
09...	1320	--	--	8.2	--	--	--	--	--
09...	1322	--	--	8.2	--	--	--	--	--
09...	1324	--	--	8.1	--	--	--	--	--
09...	1326	--	--	8.1	--	--	--	--	--
09...	1328	--	--	8.1	--	--	--	--	--
09...	1329	--	--	8.1	--	--	--	--	--
09...	1330	--	--	8.3	--	--	6	<1.0	.9
09...	1332	--	--	8.3	--	--	--	--	--
09...	1334	--	--	7.6	--	--	--	--	--
09...	1336	--	--	6.1	--	--	--	--	--
09...	1338	--	--	2.8	--	--	--	--	--
09...	1340	--	--	.1	--	--	--	--	--
09...	1342	--	--	.1	--	--	--	--	--
09...	1344	--	--	.1	--	--	--	--	--
09...	1346	--	--	.1	--	--	--	--	--
09...	1348	--	--	.1	--	--	--	--	--
09...	1350	--	--	.1	--	--	--	--	--

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
DEC									
09...	1310	<2	--	--	--	--	--	--	--
09...	1315	--	100	0	0	32	80	5.2	107
09...	1330	--	100	0	0	32	80	6.0	107

WHITE RIVER BASIN

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
DEC									
09...	1315	8.0	5.5	.100	.100	.060	--	<.10	--
09...	1330	9.0	8.0	.200	.200	.030	.17	.20	.40

DATE	TIME	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)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC									
09...	1311	--	--	--	--	--	--	1.10	<.100
09...	1315	--	.010	.03	<.010	90	10	--	--
09...	1330	1.8	<.010	--	<.010	30	10	--	--

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)
JAN								
06...	1550	0	80513	80513	.00	189	235	7.6
06...	1552	0	80513	80513	10.0	189	235	7.6
06...	1554	0	80513	80513	20.0	189	235	7.6
06...	1556	0	80513	80513	30.0	189	235	7.6
06...	1558	0	80513	80513	40.0	189	235	7.7
06...	1600	0	80513	80513	50.0	189	235	7.7
06...	1602	0	80513	80513	60.0	189	235	7.7
06...	1604	0	80513	80513	70.0	189	235	7.7
06...	1606	0	80513	80513	80.0	189	240	7.7
06...	1608	0	80513	80513	90.0	189	240	7.7
06...	1610	0	80513	80513	100	189	240	7.7
06...	1612	0	80513	80513	110	189	240	7.7
06...	1614	0	80513	80513	120	189	240	7.7
06...	1616	0	80513	80513	130	189	240	7.7
06...	1618	0	80513	80513	140	189	240	7.7
06...	1620	0	80513	80513	150	189	240	7.7
06...	1622	0	80513	80513	160	189	240	7.7
06...	1623	0	80513	80513	170	189	240	7.7
06...	1624	0	80513	80513	180	189	240	7.7
06...	1625	0	80513	80513	189	189	240	7.7

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JAN							
06...	1550	9.5	90.0	2.30	8.4	76	737
06...	1552	9.5	--	--	8.4	--	--
06...	1554	9.5	--	--	8.4	--	--
06...	1556	9.5	--	--	8.4	--	--
06...	1558	9.5	--	--	8.4	--	--
06...	1600	9.5	--	--	8.3	--	--
06...	1602	9.5	--	--	8.3	--	--
06...	1604	9.5	--	--	8.3	--	--
06...	1606	9.5	--	--	8.3	--	--
06...	1608	9.5	--	--	8.3	--	--
06...	1610	9.5	--	--	8.3	--	--
06...	1612	9.5	--	--	8.3	--	--
06...	1614	9.5	--	--	7.6	--	--
06...	1616	9.5	--	--	7.6	--	--
06...	1618	9.5	--	--	7.6	--	--
06...	1620	9.5	--	--	7.6	--	--
06...	1622	9.5	--	--	7.5	--	--
06...	1623	9.5	--	--	7.5	--	--
06...	1624	9.5	--	--	7.4	--	--
06...	1625	9.5	--	--	7.4	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)
FEB							
11...	0830	0	80513	80513	.00	184	210
11...	0832	0	80513	80513	10.0	184	210
11...	0834	0	80513	80513	20.0	184	210
11...	0836	0	80513	80513	30.0	184	210
11...	0838	0	80513	80513	40.0	184	210
11...	0840	0	80513	80513	50.0	184	210
11...	0842	0	80513	80513	60.0	184	210
11...	0844	0	80513	80513	70.0	184	210
11...	0846	0	80513	80513	80.0	184	210
11...	0848	0	80513	80513	90.0	184	210
11...	0850	0	80513	80513	100	184	210
11...	0852	0	80513	80513	110	184	210
11...	0854	0	80513	80513	120	184	210
11...	0856	0	80513	80513	130	184	210
11...	0858	0	80513	80513	140	184	210
11...	0900	0	80513	80513	150	184	210
11...	0902	0	80513	80513	160	184	210
11...	0904	0	80513	80513	170	184	210
11...	0906	0	80513	80513	180	184	210
11...	0910	0	80513	80513	184	184	210

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
FEB						
11...	0830	7.8	6.5	192	4.9	10.0
11...	0832	7.8	6.5	--	--	9.9
11...	0834	7.8	6.5	--	--	9.8
11...	0836	7.9	6.5	--	--	9.7
11...	0838	8.0	6.5	--	--	9.7
11...	0840	8.0	6.5	--	--	9.7
11...	0842	8.0	6.5	--	--	9.7
11...	0844	8.0	6.5	--	--	9.7
11...	0846	8.0	6.5	--	--	9.7
11...	0848	8.0	6.5	--	--	9.0
11...	0850	8.0	6.5	--	--	9.0
11...	0852	8.0	6.5	--	--	8.8
11...	0854	8.0	6.5	--	--	8.8
11...	0856	8.0	6.5	--	--	8.8
11...	0858	8.0	6.5	--	--	8.8
11...	0900	8.0	6.5	--	--	8.8
11...	0902	8.0	6.5	--	--	8.8
11...	0904	8.1	6.5	--	--	8.8
11...	0906	8.1	6.0	--	--	8.8
11...	0910	8.1	6.0	--	--	8.8

DATE	TIME	MEDIUM	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)
MAR								
22...	1410	0	80513	80513	.00	187	230	8.4
22...	1412	0	80513	80513	10.0	187	230	8.4
22...	1414	0	80513	80513	20.0	187	230	8.4
22...	1416	0	80513	80513	30.0	187	230	8.5
22...	1418	0	80513	80513	40.0	187	230	8.5
22...	1420	0	80513	80513	50.0	187	230	8.5
22...	1422	0	80513	80513	60.0	187	230	8.5
22...	1424	0	80513	80513	70.0	187	230	8.5
22...	1426	0	80513	80513	80.0	187	230	8.5
22...	1428	0	80513	80513	90.0	187	230	8.4
22...	1430	0	80513	80513	100	187	230	8.4
22...	1432	0	80513	80513	110	187	230	8.4
22...	1434	0	80513	80513	120	187	230	8.3
22...	1436	0	80513	80513	130	187	230	8.1
22...	1438	0	80513	80513	140	187	230	7.9
22...	1440	0	80513	80513	150	187	230	7.9
22...	1442	0	80513	80513	160	187	235	7.8
22...	1444	0	80513	80513	170	187	245	7.8
22...	1446	0	80513	80513	180	187	255	7.8
22...	1450	0	80513	80513	187	187	255	7.8

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
22...	1410	9.0	167	4.2	11.3	100	742
22...	1412	8.5	--	--	11.4	--	--
22...	1414	8.5	--	--	11.4	--	--
22...	1416	8.0	--	--	11.4	--	--
22...	1418	8.0	--	--	11.3	--	--
22...	1420	8.0	--	--	11.1	--	--
22...	1422	7.5	--	--	11.0	--	--
22...	1424	7.5	--	--	10.9	--	--
22...	1426	7.5	--	--	10.9	--	--
22...	1428	7.5	--	--	10.9	--	--
22...	1430	7.5	--	--	10.9	--	--
22...	1432	7.5	--	--	10.8	--	--
22...	1434	7.5	--	--	10.7	--	--
22...	1436	7.0	--	--	9.8	--	--
22...	1438	7.0	--	--	9.6	--	--
22...	1440	6.5	--	--	9.2	--	--
22...	1442	6.0	--	--	8.8	--	--
22...	1444	6.0	--	--	8.3	--	--
22...	1446	5.5	--	--	8.1	--	--
22...	1450	5.5	--	--	8.0	--	--

DATE	TIME	MEDIUM	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)
APR								
20...	1340	9	80513	80513	.00	193	215	8.2
20...	1342	9	80513	80513	10.0	193	215	8.2
20...	1344	9	80513	80513	20.0	193	215	8.2
20...	1346	9	80513	80513	30.0	193	215	8.2
20...	1348	9	80513	80513	40.0	193	215	8.2
20...	1350	9	80513	80513	50.0	193	215	8.2
20...	1352	9	80513	80513	60.0	193	215	8.2
20...	1354	9	80513	80513	70.0	193	215	8.2
20...	1356	9	80513	80513	80.0	193	215	8.2
20...	1358	9	80513	80513	90.0	193	215	8.2
20...	1400	9	80513	80513	100	193	220	8.1
20...	1402	9	80513	80513	110	193	220	8.1
20...	1404	9	80513	80513	120	193	220	7.9
20...	1406	9	80513	80513	130	193	220	7.8
20...	1408	9	80513	80513	140	193	220	7.8
20...	1410	9	80513	80513	150	193	225	7.8
20...	1412	9	80513	80513	160	193	235	7.8
20...	1414	9	80513	80513	170	193	235	7.7
20...	1416	9	80513	80513	180	193	240	7.7
20...	1418	9	80513	80513	190	193	240	7.7
20...	1420	9	80513	80513	193	193	240	7.7

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR							
20...	1340	10.5	156	4.0	11.5	106	740
20...	1342	10.0	--	--	11.5	--	--
20...	1344	9.5	--	--	11.6	--	--
20...	1346	9.5	--	--	11.2	--	--
20...	1348	9.5	--	--	11.2	--	--
20...	1350	9.5	--	--	10.9	--	--
20...	1352	9.5	--	--	10.9	--	--
20...	1354	9.0	--	--	10.4	--	--
20...	1356	9.0	--	--	10.3	--	--
20...	1358	9.0	--	--	10.3	--	--
20...	1400	9.0	--	--	10.1	--	--
20...	1402	8.5	--	--	10.1	--	--
20...	1404	8.5	--	--	9.9	--	--
20...	1406	8.5	--	--	9.8	--	--
20...	1408	8.0	--	--	9.6	--	--
20...	1410	7.5	--	--	8.8	--	--
20...	1412	6.5	--	--	8.0	--	--
20...	1414	6.5	--	--	7.8	--	--
20...	1416	6.0	--	--	7.4	--	--
20...	1418	6.0	--	--	7.4	--	--
20...	1420	6.0	--	--	7.4	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
MAY										
19...	0750	9	80513	80513	.00	180	220	8.5	14.0	16.5
19...	0751	9	80513	80010	3.00	180	--	--	--	--
19...	0752	9	80513	80513	10.0	180	220	8.5	--	16.5
19...	0754	9	80513	80513	20.0	180	220	8.5	--	16.5
19...	0755	9	80513	80010	25.0	180	220	8.5	--	16.5
19...	0758	9	80513	80513	30.0	180	220	8.5	--	16.5
19...	0800	9	80513	80513	33.0	180	220	8.4	--	15.5
19...	0802	9	80513	80513	35.0	180	220	8.3	--	14.5
19...	0804	9	80513	80513	38.0	180	220	8.2	--	13.5
19...	0806	9	80513	80513	40.0	180	220	8.1	--	13.0
19...	0808	9	80513	80513	50.0	180	220	8.1	--	12.0
19...	0810	9	80513	80513	60.0	180	215	8.1	--	11.0
19...	0812	9	80513	80513	70.0	180	215	8.0	--	10.5
19...	0814	9	80513	80513	80.0	180	210	8.0	--	10.0
19...	0816	9	80513	80513	90.0	180	210	8.0	--	10.0
19...	0820	9	80513	80010	100	180	210	7.9	--	9.5
19...	0822	9	80513	80513	110	180	210	7.9	--	9.0
19...	0824	9	80513	80513	120	180	215	7.9	--	9.0
19...	0826	9	80513	80513	130	180	215	7.9	--	9.0
19...	0828	9	80513	80513	140	180	215	7.9	--	8.5
19...	0830	9	80513	80513	150	180	215	7.8	--	8.5
19...	0832	9	80513	80513	160	180	220	7.8	--	8.0
19...	0834	9	80513	80513	170	180	225	7.7	--	7.5
19...	0835	9	80513	80513	180	180	230	7.6	--	7.5

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
MAY									
19...	0750	214	5.4	10.0	106	737	--	--	--
19...	0752	--	--	10.0	--	--	--	--	--
19...	0754	--	--	9.9	--	--	--	--	--
19...	0755	--	--	9.9	--	--	5	1.0	1.0
19...	0758	--	--	9.9	--	--	--	--	--
19...	0800	--	--	9.7	--	--	--	--	--
19...	0802	--	--	9.3	--	--	--	--	--
19...	0804	--	--	8.9	--	--	--	--	--
19...	0806	--	--	8.9	--	--	--	--	--
19...	0808	--	--	8.7	--	--	--	--	--
19...	0810	--	--	8.7	--	--	--	--	--
19...	0812	--	--	8.7	--	--	--	--	--
19...	0814	--	--	8.7	--	--	--	--	--
19...	0816	--	--	8.7	--	--	--	--	--
19...	0820	--	--	8.7	--	--	6	1.0	1.4
19...	0822	--	--	8.7	--	--	--	--	--
19...	0824	--	--	8.7	--	--	--	--	--
19...	0826	--	--	8.6	--	--	--	--	--
19...	0828	--	--	8.5	--	--	--	--	--
19...	0830	--	--	8.3	--	--	--	--	--
19...	0832	--	--	7.8	--	--	--	--	--
19...	0834	--	--	7.1	--	--	--	--	--
19...	0835	--	--	6.6	--	--	--	--	--

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
MAY									
19...	0750	0	--	--	--	--	--	--	--
19...	0755	--	100	4	4	33	82	5.1	100
19...	0820	--	100	7	7	32	80	5.4	95

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
MAY									
19...	0755	8.0	6.6	.500	.500	.080	.22	.30	.80
19...	0820	6.0	6.6	.600	.600	.030	.17	.20	.80

DATE	TIME	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)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
19...	0751	--	.010	.03	<.010	--	--	3.30	<.100
19...	0755	3.5	.010	.03	<.010	150	10	--	--
19...	0820	3.5	.020	.06	.010	120	10	--	--

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)
JUN								
14...	1600	9	80513	80513	.00	190	225	8.7
14...	1602	9	80513	80513	10.0	190	225	8.6
14...	1604	9	80513	80513	20.0	190	225	8.6
14...	1606	9	80513	80513	22.0	190	225	8.6
14...	1608	9	80513	80513	23.0	190	230	8.5
14...	1610	9	80513	80513	24.0	190	230	8.2
14...	1612	9	80513	80513	25.0	190	230	8.0
14...	1614	9	80513	80513	26.0	190	230	7.9
14...	1616	9	80513	80513	30.0	190	230	7.8
14...	1618	9	80513	80513	40.0	190	230	7.8
14...	1620	9	80513	80513	50.0	190	230	7.8
14...	1622	9	80513	80513	60.0	190	230	7.8
14...	1624	9	80513	80513	70.0	190	235	7.8
14...	1626	9	80513	80513	80.0	190	235	7.7
14...	1628	9	80513	80513	90.0	190	230	7.7
14...	1630	9	80513	80513	100	190	230	7.7
14...	1632	9	80513	80513	110	190	230	7.6
14...	1634	9	80513	80513	120	190	230	7.6
14...	1636	9	80513	80513	130	190	230	7.6
14...	1638	9	80513	80513	140	190	230	7.6
14...	1640	9	80513	80513	150	190	235	7.6
14...	1642	9	80513	80513	160	190	240	7.5
14...	1644	9	80513	80513	170	190	245	7.5
14...	1646	9	80513	80513	180	190	245	7.4
14...	1650	9	80513	80513	190	190	250	7.4

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUN							
14...	1600	23.0	162	4.1	8.7	105	739
14...	1602	23.0	--	--	8.7	--	--
14...	1604	22.5	--	--	8.7	--	--
14...	1606	21.5	--	--	8.6	--	--
14...	1608	19.5	--	--	8.5	--	--
14...	1610	18.5	--	--	7.5	--	--
14...	1612	17.5	--	--	7.1	--	--
14...	1614	16.0	--	--	6.7	--	--
14...	1616	15.5	--	--	6.3	--	--
14...	1618	14.5	--	--	6.2	--	--
14...	1620	13.5	--	--	6.3	--	--
14...	1622	12.5	--	--	6.5	--	--
14...	1624	12.0	--	--	6.6	--	--
14...	1626	11.0	--	--	6.8	--	--
14...	1628	10.5	--	--	6.9	--	--
14...	1630	10.0	--	--	7.0	--	--
14...	1632	9.5	--	--	7.1	--	--
14...	1634	9.5	--	--	7.1	--	--
14...	1636	9.0	--	--	7.1	--	--
14...	1638	9.0	--	--	6.9	--	--
14...	1640	8.5	--	--	6.4	--	--
14...	1642	8.0	--	--	5.7	--	--
14...	1644	8.0	--	--	5.1	--	--
14...	1646	7.5	--	--	4.6	--	--
14...	1650	7.5	--	--	4.4	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JUL										
14...	1250	9	80513	80513	.00	178	215	8.8	28.5	222
14...	1251	9	80513	80010	3.00	178	--	--	--	--
14...	1252	9	80513	80513	5.00	178	215	8.8	28.5	--
14...	1254	9	80513	80513	10.0	178	215	8.8	28.0	--
14...	1256	9	80513	80513	15.0	178	215	8.8	27.0	--
14...	1258	9	80513	80513	20.0	178	215	8.8	26.0	--
14...	1300	9	80513	80513	22.0	178	215	8.8	25.0	--
14...	1302	9	80513	80513	24.0	178	220	8.7	24.0	--
14...	1304	9	80513	80513	25.0	178	220	8.7	23.5	--
14...	1306	9	80513	80513	28.0	178	220	8.7	22.5	--
14...	1308	9	80513	80513	29.0	178	220	8.7	21.5	--
14...	1310	9	80513	80513	30.0	178	225	8.6	20.5	--
14...	1312	9	80513	80513	32.0	178	230	8.4	19.5	--
14...	1314	9	80513	80513	35.0	178	230	8.1	18.5	--
14...	1316	9	80513	80513	38.0	178	230	7.9	17.5	--
14...	1318	9	80513	80513	40.0	178	235	7.9	16.5	--
14...	1320	9	80513	80513	45.0	178	235	7.7	15.5	--
14...	1322	9	80513	80513	50.0	178	235	7.7	15.0	--
14...	1324	9	80513	80513	55.0	178	230	7.7	14.0	--
14...	1326	9	80513	80513	60.0	178	230	7.7	13.5	--
14...	1328	9	80513	80513	65.0	178	230	7.7	13.5	--
14...	1330	9	80513	80513	70.0	178	230	7.7	13.0	--
14...	1332	9	80513	80513	75.0	178	225	7.7	13.0	--
14...	1334	9	80513	80513	80.0	178	225	7.7	12.0	--
14...	1336	9	80513	80513	85.0	178	225	7.7	12.0	--
14...	1338	9	80513	80513	90.0	178	225	7.7	11.5	--
14...	1340	9	80513	80513	95.0	178	225	7.7	11.0	--
14...	1342	9	80513	80513	100	178	225	7.7	10.5	--
14...	1344	9	80513	80513	105	178	225	7.7	10.5	--
14...	1346	9	80513	80513	110	178	225	7.7	10.5	--
14...	1348	9	80513	80513	115	178	225	7.7	10.0	--
14...	1350	9	80513	80513	120	178	225	7.7	10.0	--
14...	1352	9	80513	80513	125	178	230	7.7	10.0	--
14...	1354	9	80513	80513	130	178	230	7.7	10.0	--
14...	1356	9	80513	80513	135	178	230	7.7	9.5	--
14...	1358	9	80513	80513	140	178	230	7.7	9.5	--
14...	1400	9	80513	80513	145	178	230	7.7	9.0	--
14...	1402	9	80513	80513	150	178	235	7.7	9.0	--
14...	1404	9	80513	80513	155	178	235	7.7	8.5	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
14...	1250	5.6	8.0	106	742	--	--	--	--	--
14...	1251	--	--	--	--	.020	.06	<.010	1.70	<.100
14...	1252	--	8.3	--	--	--	--	--	--	--
14...	1254	--	8.3	--	--	--	--	--	--	--
14...	1256	--	9.4	--	--	--	--	--	--	--
14...	1258	--	9.4	--	--	--	--	--	--	--
14...	1300	--	9.4	--	--	--	--	--	--	--
14...	1302	--	9.6	--	--	--	--	--	--	--
14...	1304	--	9.9	--	--	--	--	--	--	--
14...	1306	--	10.1	--	--	--	--	--	--	--
14...	1308	--	10.0	--	--	--	--	--	--	--
14...	1310	--	9.3	--	--	--	--	--	--	--
14...	1312	--	8.0	--	--	--	--	--	--	--
14...	1314	--	6.5	--	--	--	--	--	--	--
14...	1316	--	5.2	--	--	--	--	--	--	--
14...	1318	--	4.6	--	--	--	--	--	--	--
14...	1320	--	3.3	--	--	--	--	--	--	--
14...	1322	--	3.5	--	--	--	--	--	--	--
14...	1324	--	4.1	--	--	--	--	--	--	--
14...	1326	--	4.2	--	--	--	--	--	--	--
14...	1328	--	4.5	--	--	--	--	--	--	--
14...	1330	--	4.7	--	--	--	--	--	--	--
14...	1332	--	4.7	--	--	--	--	--	--	--
14...	1334	--	4.9	--	--	--	--	--	--	--
14...	1336	--	5.2	--	--	--	--	--	--	--
14...	1338	--	5.4	--	--	--	--	--	--	--
14...	1340	--	5.5	--	--	--	--	--	--	--
14...	1342	--	5.7	--	--	--	--	--	--	--
14...	1344	--	6.0	--	--	--	--	--	--	--
14...	1346	--	6.1	--	--	--	--	--	--	--
14...	1348	--	6.1	--	--	--	--	--	--	--
14...	1350	--	6.0	--	--	--	--	--	--	--
14...	1352	--	6.0	--	--	--	--	--	--	--
14...	1354	--	6.0	--	--	--	--	--	--	--
14...	1356	--	6.2	--	--	--	--	--	--	--
14...	1358	--	6.2	--	--	--	--	--	--	--
14...	1400	--	6.0	--	--	--	--	--	--	--
14...	1402	--	5.7	--	--	--	--	--	--	--
14...	1404	--	5.3	--	--	--	--	--	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL										
14...	1406	9	80513	80513	160	178	235	7.7	8.5	4.6
14...	1408	9	80513	80513	165	178	240	7.7	8.5	3.2
14...	1410	9	80513	80513	170	178	240	7.6	8.5	2.5
14...	1412	9	80513	80513	175	178	245	7.6	8.5	2.1
14...	1415	9	80513	80513	178	178	245	7.6	8.0	1.4

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
AUG											
17...	1630	9	80513	80513	.00	174	184	8.9	32.5	30.5	188
17...	1631	9	80513	80010	3.00	174	--	--	--	--	--
17...	1632	9	80513	80513	10.0	174	184	8.7	--	30.0	--
17...	1634	9	80513	80513	20.0	174	184	8.9	--	29.5	--
17...	1635	9	80513	80513	21.0	174	186	9.0	--	28.5	--
17...	1636	9	80513	80513	22.0	174	205	8.8	--	26.5	--
17...	1637	9	80513	80513	23.0	174	210	8.8	--	25.5	--
17...	1638	9	80513	80513	24.0	174	220	8.7	--	24.5	--
17...	1640	9	80513	80010	25.0	174	220	8.7	--	24.0	--
17...	1642	9	80513	80513	28.0	174	225	8.6	--	23.0	--
17...	1644	9	80513	80513	30.0	174	230	8.3	--	22.0	--
17...	1646	9	80513	80513	32.0	174	235	8.2	--	21.0	--
17...	1648	9	80513	80513	35.0	174	245	8.1	--	20.0	--
17...	1650	9	80513	80513	38.0	174	245	8.0	--	19.0	--
17...	1652	9	80513	80513	40.0	174	250	8.0	--	18.0	--
17...	1654	9	80513	80513	45.0	174	250	7.9	--	17.0	--
17...	1656	9	80513	80513	50.0	174	255	7.9	--	16.0	--
17...	1658	9	80513	80513	60.0	174	250	7.9	--	15.0	--
17...	1700	9	80513	80513	70.0	174	230	7.8	--	14.0	--
17...	1702	9	80513	80513	80.0	174	230	7.8	--	13.5	--
17...	1704	9	80513	80513	90.0	174	230	7.8	--	13.0	--
17...	1705	9	80513	80010	100	174	230	7.7	--	12.5	--
17...	1706	9	80513	80513	110	174	230	7.7	--	12.0	--
17...	1708	9	80513	80513	120	174	225	7.7	--	11.5	--
17...	1710	9	80513	80513	130	174	220	7.7	--	11.0	--
17...	1712	9	80513	80513	140	174	220	7.7	--	10.5	--
17...	1714	9	80513	80513	150	174	225	7.7	--	10.0	--
17...	1716	9	80513	80513	160	174	230	7.6	--	9.5	--
17...	1718	9	80513	80513	170	174	235	7.6	--	9.0	--
17...	1720	9	80513	80513	174	174	240	7.5	--	9.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)
AUG										
17...	1630	4.8	8.4	116	740	--	--	--	0	--
17...	1632	--	9.1	--	--	--	--	--	--	--
17...	1634	--	9.5	--	--	--	--	--	--	--
17...	1635	--	9.9	--	--	--	--	--	--	--
17...	1636	--	10.4	--	--	--	--	--	--	--
17...	1637	--	10.3	--	--	--	--	--	--	--
17...	1638	--	9.7	--	--	--	--	--	--	--
17...	1640	--	9.4	--	--	10	1.2	.5	--	89
17...	1642	--	7.5	--	--	--	--	--	--	--
17...	1644	--	5.3	--	--	--	--	--	--	--
17...	1646	--	3.3	--	--	--	--	--	--	--
17...	1648	--	2.3	--	--	--	--	--	--	--
17...	1650	--	1.5	--	--	--	--	--	--	--
17...	1652	--	.8	--	--	--	--	--	--	--
17...	1654	--	.5	--	--	--	--	--	--	--
17...	1656	--	.4	--	--	--	--	--	--	--
17...	1658	--	1.1	--	--	--	--	--	--	--
17...	1700	--	1.6	--	--	--	--	--	--	--
17...	1702	--	2.2	--	--	--	--	--	--	--
17...	1704	--	2.8	--	--	--	--	--	--	--
17...	1705	--	3.4	--	--	15	<1.0	.2	--	100
17...	1706	--	4.0	--	--	--	--	--	--	--
17...	1708	--	4.2	--	--	--	--	--	--	--
17...	1710	--	4.7	--	--	--	--	--	--	--
17...	1712	--	4.9	--	--	--	--	--	--	--
17...	1714	--	4.3	--	--	--	--	--	--	--
17...	1716	--	2.4	--	--	--	--	--	--	--
17...	1718	--	.5	--	--	--	--	--	--	--
17...	1720	--	.1	--	--	--	--	--	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
AUG										
17...	1640	0	0	27	68	5.3	100	7.0	4.0	.200
17...	1705	0	0	32	80	5.7	120	7.0	5.0	.700

DATE	TIME	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)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG										
17...	1631	--	--	--	--	--	--	--	1.70	<.100
17...	1640	.200	<.010	<.10	<.010	<.010	130	10	--	--
17...	1705	.700	.030	<.10	<.010	<.010	120	10	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
SEP										
20...	0730	9	80513	80513	.00	171	190	8.7	25.5	114
20...	0731	9	80513	80010	3.00	171	190	8.7	25.5	--
20...	0732	9	80513	80513	10.0	171	190	8.7	25.5	--
20...	0734	9	80513	80513	20.0	171	190	8.6	25.5	--
20...	0736	9	80513	80513	30.0	171	195	8.6	25.5	--
20...	0738	9	80513	80513	32.0	171	200	8.3	24.5	--
20...	0740	9	80513	80513	33.0	171	220	7.6	23.5	--
20...	0742	9	80513	80513	34.0	171	220	7.5	22.5	--
20...	0744	9	80513	80513	35.0	171	220	7.5	21.5	--
20...	0746	9	80513	80513	36.0	171	220	7.5	20.5	--
20...	0748	9	80513	80513	37.0	171	225	7.5	19.5	--
20...	0750	9	80513	80513	38.0	171	225	7.5	18.5	--
20...	0752	9	80513	80513	40.0	171	225	7.5	18.0	--
20...	0754	9	80513	80513	45.0	171	220	7.5	17.0	--
20...	0756	9	80513	80513	50.0	171	220	7.5	16.5	--
20...	0758	9	80513	80513	60.0	171	220	7.4	15.5	--
20...	0800	9	80513	80513	70.0	171	215	7.4	15.0	--
20...	0802	9	80513	80513	80.0	171	210	7.3	14.5	--
20...	0804	9	80513	80513	90.0	171	200	7.3	14.0	--
20...	0806	9	80513	80513	100	171	210	7.2	13.5	--
20...	0808	9	80513	80513	110	171	210	7.2	13.0	--
20...	0810	9	80513	80513	120	171	210	7.2	12.5	--
20...	0812	9	80513	80513	130	171	210	7.2	12.0	--
20...	0814	9	80513	80513	140	171	210	7.2	11.5	--
20...	0816	9	80513	80513	150	171	210	7.1	10.5	--
20...	0818	9	80513	80513	160	171	215	7.1	10.5	--
20...	0819	9	80513	80513	170	171	220	7.1	10.0	--
20...	0820	9	80513	80513	171	171	220	7.1	10.0	--

WHITE RIVER BASIN

07053400 TABLE ROCK LAKE NEAR BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	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)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
SEP										
20...	0730	2.90	7.6	96	741	--	--	--	--	--
20...	0731	--	7.6	--	--	.020	.06	<.010	2.80	.500
20...	0732	--	6.3	--	--	--	--	--	--	--
20...	0734	--	6.3	--	--	--	--	--	--	--
20...	0736	--	6.3	--	--	--	--	--	--	--
20...	0738	--	5.1	--	--	--	--	--	--	--
20...	0740	--	.7	--	--	--	--	--	--	--
20...	0742	--	.4	--	--	--	--	--	--	--
20...	0744	--	.1	--	--	--	--	--	--	--
20...	0746	--	.0	--	--	--	--	--	--	--
20...	0748	--	.0	--	--	--	--	--	--	--
20...	0750	--	.0	--	--	--	--	--	--	--
20...	0752	--	.0	--	--	--	--	--	--	--
20...	0754	--	.0	--	--	--	--	--	--	--
20...	0756	--	.0	--	--	--	--	--	--	--
20...	0758	--	.0	--	--	--	--	--	--	--
20...	0800	--	.0	--	--	--	--	--	--	--
20...	0802	--	.4	--	--	--	--	--	--	--
20...	0804	--	1.0	--	--	--	--	--	--	--
20...	0806	--	1.1	--	--	--	--	--	--	--
20...	0808	--	1.3	--	--	--	--	--	--	--
20...	0810	--	1.7	--	--	--	--	--	--	--
20...	0812	--	1.9	--	--	--	--	--	--	--
20...	0814	--	1.6	--	--	--	--	--	--	--
20...	0816	--	.4	--	--	--	--	--	--	--
20...	0818	--	.1	--	--	--	--	--	--	--
20...	0819	--	.1	--	--	--	--	--	--	--
20...	0820	--	.1	--	--	--	--	--	--	--

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 upstream from Fall Creek and 6.1 mi southwest of Branson.

DRAINAGE AREA.--4,020 mi^2.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT									
04...	1540	0	80513	80513	4950	250	7.6	10.5	6.6
21...	1330	0	80513	80513	300	235	7.7	9.5	4.8
NOV									
23...	1300	0	80513	80513	760	240	7.1	9.5	7.2

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
DEC										
09...	1200	0	80513	80010	17400	7.3	2.0	10.5	5.8	53

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
DEC										
09...	1200	750	7	13	.8	210	110	2	2	34

DATE	TIME	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
DEC										
09...	1200	85	5.4	105	8.0	6.8	.300	.300	.130	.17

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
DEC									
09...	1200	.30	.60	2.7	.090	.28	.020	460	420

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN 06...	1530	0	80513	80513	7820	240	7.8	9.5	9.3
FEB 11...	0745	0	80513	80513	3160	259	7.2	6.0	9.6
MAR 22...	1350	0	80513	80513	7860	225	8.1	7.5	10.7
APR 20...	1310	9	80513	80513	7070	225	8.2	8.5	9.6
MAY 19...	0715	9	80513	80010	3990	255	8.0	13.0	9.5	10.3

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
MAY 19...	0715	93	742	4	<1.0	1.8	1	120	0	0

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
MAY 19...	0715	34	85	7.5	115	8.0	6.8	.600	.600	.030

DATE	TIME	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)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)
MAY 19...	0715	.17	.20	.80	3.5	.030	.09	.020	150	20

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUN 14...	1730	9	80513	80513	140	230	7.9	9.0	9.0

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUL 14...	1415	9	80513	80513	7790	225	7.8	10.5	6.1

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
AUG 17...	1610	9	80513	80010	7310	205	7.4	37.0	11.0	4.5

DATE	TIME	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	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)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)
AUG 17...	1610	42	745	14	1.4	.5	60	100	2	2

DATE	TIME	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
AUG 17...	1610	32	80	5.4	100	7.0	5.7	.700	.700	.060

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
AUG 17...	1610	.74	.80	1.5	6.6	.010	.03	<.010	210	130

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 20...	0645	9	80513	80513	150	240	8.3	12.5	7.2

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 11010003, 1,000 ft. 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT										
06...	1515	0	1028	29001	--	--	245	7.7	--	10.0
NOV										
08...	1430	0	1028	29001	--	--	234	7.8	--	11.0
DEC										
08...	1700	0	80513	80513	.00	25.0	--	--	3.0	--
08...	1701	0	80513	80010	3.00	25.0	--	--	--	--
08...	1705	0	80513	80010	5.00	25.0	225	7.7	--	10.0
08...	1715	0	80513	80010	20.0	25.0	225	7.6	--	10.0
14...	1020	0	1028	29001	--	--	224	8.0	--	11.0
JAN										
11...	1330	0	1028	29001	--	--	246	8.2	--	9.0
FEB										
08...	1315	0	1028	29001	--	--	228	8.2	--	7.0
MAR										
15...	1245	0	1028	29001	--	--	228	8.2	--	8.5
APR										
05...	1345	9	1028	29001	--	--	231	8.2	--	9.0
MAY										
03...	1245	9	1028	29001	--	--	230	8.0	--	10.0
18...	1400	9	80513	80513	.00	20.0	--	--	19.0	--
18...	1401	9	80513	80010	3.00	20.0	--	--	--	--
18...	1405	9	80513	80010	4.00	20.0	232	8.2	--	10.0
18...	1410	9	80513	80010	16.0	20.0	232	8.3	--	10.0
JUN										
06...	1300	9	1028	29001	--	--	240	7.8	--	10.5
JUL										
05...	1600	9	1028	29001	--	--	242	7.7	--	12.0
AUG										
09...	1515	9	1028	29001	--	--	238	7.7	--	14.0
18...	0735	9	80513	80513	.00	20.0	--	--	22.0	--
18...	0736	9	80513	80010	3.00	20.0	--	--	--	--
18...	0740	9	80513	80010	4.00	20.0	240	7.9	--	12.0
18...	0745	9	80513	80010	16.0	20.0	235	7.9	--	11.5
SEP										
22...	0900	9	1028	29001	--	--	220	7.4	--	11.0

DATE	TIME	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)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT										
06...	1515	--	--	--	--	7.6	67	--	7	--
NOV										
08...	1430	--	--	--	--	8.4	76	--	7	--
DEC										
08...	1700	--	--	72.0	1.80	--	--	747	--	--
08...	1705	8	1.4	--	--	9.0	--	--	--	1.2
08...	1715	12	1.5	--	--	8.6	--	--	--	1.3
14...	1020	--	--	--	--	7.2	65	--	14	--
JAN										
11...	1330	--	--	--	--	9.6	83	--	11	--
FEB										
08...	1315	--	--	--	--	10.6	88	--	<5	--
MAR										
15...	1245	--	--	--	--	10.0	85	--	<5	--
APR										
05...	1345	--	--	--	--	10.0	87	760	<5	--
MAY										
03...	1245	--	--	--	--	9.0	80	762	<5	--
18...	1400	--	--	110	2.80	--	--	739	--	--
18...	1405	4	2.0	--	--	10.0	--	--	--	1.4
18...	1410	5	1.7	--	--	9.8	--	--	--	1.3
JUN										
06...	1300	--	--	--	--	8.6	76	770	10	--
JUL										
05...	1600	--	--	--	--	7.9	72	772	11	--
AUG										
09...	1515	--	--	--	--	5.6	54	770	<5	--
18...	0735	--	--	200	5.1	--	--	747	--	--
18...	0740	5	<1.0	--	--	4.2	--	--	--	.8
18...	0745	2	<1.0	--	--	4.2	--	--	--	.8
SEP										
22...	0900	--	--	--	--	5.2	46	777	8	--

07053700 LAKE TANEYCOMO AT BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
OCT										
06...	1515	84	120	43	43	36	--	7.8	3.3	5
NOV										
08...	1430	30	--	--	--	--	--	--	--	--
DEC										
08...	1700	K15	--	--	--	--	--	--	--	--
08...	1705	--	100	0	0	33	82	5.3	--	--
08...	1715	--	100	0	0	33	82	5.4	--	--
JAN										
11...	1330	23	110	6	6	32	--	7.5	3.3	6
FEB										
08...	1315	K3	--	--	--	--	--	--	--	--
MAR										
15...	1245	K4	--	--	--	--	--	--	--	--
APR										
05...	1345	K4	120	12	12	37	--	6.0	2.9	5
MAY										
03...	1245	K8	--	--	--	--	--	--	--	--
18...	1400	84	--	--	--	--	--	--	--	--
18...	1405	--	110	10	10	33	82	6.2	--	--
18...	1410	--	110	8	8	33	82	6.7	--	--
JUN										
06...	1300	33	--	--	--	--	--	--	--	--
JUL										
05...	1600	20	120	19	19	36	--	6.5	3.0	5
AUG										
09...	1515	68	--	--	--	--	--	--	--	--
18...	0735	39	--	--	--	--	--	--	--	--
18...	0740	--	110	12	12	34	85	6.5	--	--
18...	0745	--	110	6	6	33	82	5.7	--	--
SEP										
22...	0900	35	--	--	--	--	--	--	--	--

DATE	TIME	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)	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...	1515	.1	1.7	79	<10	5.0	.10	122	.17	3
NOV										
08...	1430	--	--	98	--	--	--	150	.20	--
DEC										
08...	1705	--	--	105	9.0	6.4	--	--	--	--
08...	1715	--	--	104	9.0	7.2	--	--	--	--
14...	1020	--	--	102	--	--	--	--	--	3
JAN										
11...	1330	.1	1.8	105	<10	8.0	.10	141	.19	--
FEB										
08...	1315	--	--	95	--	--	--	--	--	<1
MAR										
15...	1245	--	--	98	--	--	--	--	--	1
APR										
05...	1345	.1	1.9	105	13	5.0	.10	124	.17	1
MAY										
03...	1245	--	--	105	--	--	--	--	--	<1
18...	1405	--	--	98	7.0	5.0	--	--	--	--
18...	1410	--	--	102	7.0	4.5	--	--	--	--
JUN										
06...	1300	--	--	98	--	--	--	--	--	<1
JUL										
05...	1600	.1	1.8	98	<10	5.0	.10	139	.19	2
AUG										
09...	1515	--	--	105	--	--	--	--	--	22
18...	0740	--	--	100	7.0	5.0	--	--	--	--
18...	0745	--	--	100	7.0	5.0	--	--	--	--
SEP										
22...	0900	--	--	108	--	--	--	--	--	4

07053700 LAKE TANEYCOMO AT BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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 TOTAL (MG/L AS PO4) (71886)
OCT										
06...	1515	.570	.570	.040	--	--	--	--	<.050	--
NOV										
08...	1430	.540	.540	.060	--	--	--	--	.070	--
DEC										
08...	1705	.300	.300	.090	.01	.10	.40	1.8	.040	.12
08...	1715	.300	.300	.080	.12	.20	.50	2.2	.030	.09
14...	1020	.190	.190	.060	--	--	--	--	<.050	--
JAN										
11...	1330	.240	.240	.020	--	--	--	--	<.050	--
FEB										
08...	1315	.270	.270	.010	--	--	--	--	<.050	--
MAR										
15...	1245	.710	.710	.040	--	--	--	--	<.050	--
APR										
05...	1345	.640	.640	.030	--	--	--	--	<.050	--
MAY										
03...	1245	.660	.660	.020	--	--	--	--	<.050	--
18...	1405	.600	.600	.060	.44	.50	1.1	4.9	.030	.09
18...	1410	.600	.600	.020	.38	.40	1.0	4.4	.030	.09
JUN										
06...	1300	.680	.680	<.010	--	--	--	--	<.050	--
JUL										
05...	1600	.690	.690	.020	--	--	--	--	<.050	--
AUG										
09...	1515	.700	.700	<.010	--	--	--	--	<.050	--
18...	0740	.600	.600	.070	.13	.20	.80	3.5	.030	.09
18...	0745	.700	.700	.040	.16	.20	.90	4.0	.030	.09
SEP										
22...	0900	.530	.530	.040	--	--	--	--	<.050	--

DATE	TIME	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	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)	LEAD, DISSOLVED (UG/L AS PB) (01049)
OCT										
06...	1515	--	<2	<2	<5	<5	140	<20	<5	<5
DEC										
08...	1705	<.010	--	--	--	--	140	--	--	--
08...	1715	<.010	--	--	--	--	150	--	--	--
JAN										
11...	1330	--	<2	<2	<5	<5	110	<20	<5	<5
APR										
05...	1345	--	<2	<2	<5	<5	60	<20	<5	<5
18...	1405	.020	--	--	--	--	--	--	--	--
18...	1410	.020	--	--	--	--	--	--	--	--
JUL										
05...	1600	--	<2	3	<5	<5	100	<20	<5	<5
AUG										
18...	0740	<.010	--	--	--	--	280	--	--	--
18...	0745	<.010	--	--	--	--	110	--	--	--

07053700 LAKE TANEYCOMO AT BRANSON, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MERCURY DISSOLVED (UG/L AS HG) (71890)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
OCT									
06...	1515	140	90	<.5	.7	<0	<10	--	--
DEC									
08...	1701	--	--	--	--	--	--	1.00	<.100
08...	1705	380	--	--	--	--	--	--	--
08...	1715	370	--	--	--	--	--	--	--
JAN									
11...	1330	80	40	<.5	<.5	30	<10	--	--
APR									
05...	1345	<20	<20	<.5	.8	<10	<10	--	--
MAY									
18...	1401	--	--	--	--	--	--	4.60	<.100
JUL									
05...	1600	81	33	<.5	<.5	10	15	--	--
AUG									
18...	0736	--	--	--	--	--	--	.300	<.100
18...	0740	80	--	--	--	--	--	--	--
18...	0745	90	--	--	--	--	--	--	--

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 northeast of Flippin, 12.5 mi downstream from Little North Fork, and at mile 418.6.

DRAINAGE AREA.--6,051 mi^2.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT								
21...	1040	0	80513	80513	.00	175	260	8.3
21...	1042	0	80513	80513	10.0	175	260	8.2
21...	1044	0	80513	80513	20.0	175	260	8.2
21...	1046	0	80513	80513	30.0	175	260	8.2
21...	1048	0	80513	80513	40.0	175	260	8.2
21...	1050	0	80513	80513	50.0	175	260	8.2
21...	1052	0	80513	80513	60.0	175	260	8.1
21...	1054	0	80513	80513	65.0	175	265	7.7
21...	1056	0	80513	80513	66.0	175	265	7.5
21...	1058	0	80513	80513	70.0	175	265	7.5
21...	1100	0	80513	80513	75.0	175	265	7.5
21...	1102	0	80513	80513	80.0	175	265	7.5
21...	1104	0	80513	80513	90.0	175	265	7.4
21...	1106	0	80513	80513	100	175	260	7.4
21...	1108	0	80513	80513	110	175	260	7.4
21...	1110	0	80513	80513	120	175	260	7.4
21...	1112	0	80513	80513	130	175	260	7.4
21...	1114	0	80513	80513	140	175	260	7.3
21...	1116	0	80513	80513	150	175	260	7.3
21...	1118	0	80513	80513	160	175	260	7.2
21...	1119	0	80513	80513	170	175	260	7.2
21...	1120	0	80513	80513	175	175	260	7.2

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT							
21...	1040	19.0	190	4.8	8.0	87	757
21...	1042	19.0	--	--	7.9	--	--
21...	1044	19.0	--	--	7.8	--	--
21...	1046	19.0	--	--	7.8	--	--
21...	1048	19.0	--	--	7.7	--	--
21...	1050	19.0	--	--	7.3	--	--
21...	1052	19.0	--	--	6.9	--	--
21...	1054	18.0	--	--	2.9	--	--
21...	1056	16.5	--	--	2.8	--	--
21...	1058	15.5	--	--	2.2	--	--
21...	1100	14.5	--	--	2.1	--	--
21...	1102	13.5	--	--	2.2	--	--
21...	1104	12.5	--	--	2.8	--	--
21...	1106	11.5	--	--	3.5	--	--
21...	1108	10.5	--	--	4.0	--	--
21...	1110	10.0	--	--	4.0	--	--
21...	1112	9.0	--	--	3.3	--	--
21...	1114	8.0	--	--	2.8	--	--
21...	1116	7.5	--	--	2.7	--	--
21...	1118	7.0	--	--	2.5	--	--
21...	1119	7.0	--	--	2.3	--	--
21...	1120	6.5	--	--	.8	--	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV								
23...	1020	0	80513	80513	.00	172	250	7.9
23...	1022	0	80513	80513	10.0	172	250	7.8
23...	1024	0	80513	80513	20.0	172	250	7.8
23...	1026	0	80513	80513	30.0	172	250	8.1
23...	1028	0	80513	80513	40.0	172	250	8.1
23...	1030	0	80513	80513	50.0	172	250	8.1
23...	1032	0	80513	80513	60.0	172	250	8.0
23...	1034	0	80513	80513	70.0	172	255	8.0
23...	1036	0	80513	80513	80.0	172	255	7.9
23...	1038	0	80513	80513	90.0	172	255	7.8
23...	1040	0	80513	80513	100	172	255	7.5
23...	1042	0	80513	80513	110	172	255	7.4
23...	1044	0	80513	80513	120	172	255	7.4
23...	1046	0	80513	80513	130	172	255	7.3
23...	1048	0	80513	80513	140	172	255	7.2
23...	1050	0	80513	80513	150	172	255	7.2
23...	1052	0	80513	80513	160	172	255	7.2
23...	1054	0	80513	80513	170	172	255	7.2
23...	1055	0	80513	80513	172	172	255	7.1

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
23...	1020	14.5	198	5.0	8.7	87	746
23...	1022	14.5	--	--	8.6	--	--
23...	1024	14.5	--	--	8.6	--	--
23...	1026	14.5	--	--	8.5	--	--
23...	1028	14.5	--	--	7.9	--	--
23...	1030	14.0	--	--	7.6	--	--
23...	1032	14.0	--	--	7.6	--	--
23...	1034	14.0	--	--	7.5	--	--
23...	1036	14.0	--	--	7.1	--	--
23...	1038	13.5	--	--	6.4	--	--
23...	1040	12.5	--	--	2.3	--	--
23...	1042	11.5	--	--	1.6	--	--
23...	1044	10.5	--	--	1.4	--	--
23...	1046	9.5	--	--	1.2	--	--
23...	1048	9.0	--	--	.3	--	--
23...	1050	8.5	--	--	.1	--	--
23...	1052	8.0	--	--	.1	--	--
23...	1054	7.5	--	--	.1	--	--
23...	1055	7.5	--	--	.1	--	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
DEC										
14...	1440	0	80513	80513	.00	193	245	7.9	7.5	12.0
14...	1441	0	80513	80010	3.00	193	--	--	--	--
14...	1442	0	80513	80513	10.0	193	245	7.8	--	12.0
14...	1444	0	80513	80513	20.0	193	245	7.8	--	12.0
14...	1445	0	80513	80010	25.0	193	245	7.8	--	12.0
14...	1448	0	80513	80513	30.0	193	245	7.7	--	12.0
14...	1450	0	80513	80513	40.0	193	245	7.7	--	12.0
14...	1452	0	80513	80513	50.0	193	245	7.7	--	12.0
14...	1454	0	80513	80513	60.0	193	245	7.7	--	12.0
14...	1456	0	80513	80513	70.0	193	245	7.7	--	12.0
14...	1458	0	80513	80513	80.0	193	245	7.7	--	12.0
14...	1459	0	80513	80513	90.0	193	245	7.6	--	12.0
14...	1500	0	80513	80010	100	193	245	7.6	--	11.5
14...	1502	0	80513	80513	110	193	245	7.5	--	11.5
14...	1504	0	80513	80513	120	193	255	7.3	--	11.0
14...	1506	0	80513	80513	130	193	255	7.1	--	10.5
14...	1508	0	80513	80513	140	193	255	7.0	--	9.5
14...	1510	0	80513	80513	150	193	255	7.0	--	9.0
14...	1512	0	80513	80513	160	193	255	7.0	--	8.5
14...	1514	0	80513	80513	170	193	255	7.0	--	8.0
14...	1516	0	80513	80513	180	193	255	7.0	--	8.0
14...	1518	0	80513	80513	190	193	255	7.0	--	7.5
14...	1520	0	80513	80513	193	193	255	7.0	--	7.5

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC									
14...	1440	168	4.3	8.4	80	743	--	--	--
14...	1442	--	--	8.3	--	--	--	--	--
14...	1444	--	--	8.3	--	--	--	--	--
14...	1445	--	--	8.3	--	--	3	<1.0	.8
14...	1448	--	--	8.3	--	--	--	--	--
14...	1450	--	--	8.3	--	--	--	--	--
14...	1452	--	--	8.3	--	--	--	--	--
14...	1454	--	--	8.2	--	--	--	--	--
14...	1456	--	--	8.2	--	--	--	--	--
14...	1458	--	--	8.2	--	--	--	--	--
14...	1459	--	--	7.9	--	--	--	--	--
14...	1500	--	--	7.7	--	--	5	<1.0	1.1
14...	1502	--	--	7.1	--	--	--	--	--
14...	1504	--	--	2.4	--	--	--	--	--
14...	1506	--	--	.8	--	--	--	--	--
14...	1508	--	--	.0	--	--	--	--	--
14...	1510	--	--	.0	--	--	--	--	--
14...	1512	--	--	.0	--	--	--	--	--
14...	1514	--	--	.0	--	--	--	--	--
14...	1516	--	--	.0	--	--	--	--	--
14...	1518	--	--	.0	--	--	--	--	--
14...	1520	--	--	.0	--	--	--	--	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
DEC									
14...	1440	1	--	--	--	--	--	--	--
14...	1445	--	130	2	2	35	88	10	127
14...	1500	--	130	3	3	35	88	10	126

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
DEC									
14...	1445	8.0	6.3	.100	.100	.030	--	<.10	--
14...	1500	8.0	6.0	.100	.100	.060	.04	.10	.20

DATE	TIME	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
14...	1441	--	--	--	--	--	--	.800	<.100
14...	1445	--	<.010	--	<.010	80	10	--	--
14...	1500	.89	.030	.09	<.010	160	10	--	--

DATE	TIME	MEDIUM	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)
JAN								
06...	1050	0	80513	80513	.00	200	280	7.9
06...	1052	0	80513	80513	10.0	200	280	7.9
06...	1054	0	80513	80513	20.0	200	280	7.9
06...	1056	0	80513	80513	30.0	200	280	7.9
06...	1058	0	80513	80513	40.0	200	280	7.9
06...	1100	0	80513	80513	50.0	200	280	7.9
06...	1102	0	80513	80513	60.0	200	280	7.9
06...	1104	0	80513	80513	70.0	200	280	7.9
06...	1106	0	80513	80513	80.0	200	280	7.9
06...	1108	0	80513	80513	90.0	200	280	7.9
06...	1110	0	80513	80513	100	200	280	7.9
06...	1112	0	80513	80513	110	200	280	7.8
06...	1114	0	80513	80513	120	200	280	7.8
06...	1116	0	80513	80513	130	200	280	7.8
06...	1118	0	80513	80513	140	200	280	7.7
06...	1120	0	80513	80513	150	200	280	7.7
06...	1122	0	80513	80513	160	200	280	7.5
06...	1124	0	80513	80513	170	200	285	7.4
06...	1126	0	80513	80513	180	200	290	7.3
06...	1128	0	80513	80513	190	200	290	7.3
06...	1130	0	80513	80513	200	200	295	7.3

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
06...	1050	10.0	210	5.3	8.6	78	746
06...	1052	10.0	--	--	8.6	--	--
06...	1054	10.0	--	--	8.6	--	--
06...	1056	10.0	--	--	8.5	--	--
06...	1058	10.0	--	--	8.5	--	--
06...	1100	10.0	--	--	8.5	--	--
06...	1102	10.0	--	--	8.5	--	--
06...	1104	10.0	--	--	8.5	--	--
06...	1106	10.0	--	--	8.5	--	--
06...	1108	10.0	--	--	8.5	--	--
06...	1110	10.0	--	--	8.5	--	--
06...	1112	10.0	--	--	8.5	--	--
06...	1114	10.0	--	--	8.4	--	--
06...	1116	10.0	--	--	8.1	--	--
06...	1118	10.0	--	--	7.6	--	--
06...	1120	10.0	--	--	6.8	--	--
06...	1122	10.0	--	--	5.5	--	--
06...	1124	9.5	--	--	1.8	--	--
06...	1126	9.0	--	--	.1	--	--
06...	1128	8.5	--	--	.1	--	--
06...	1130	8.5	--	--	.1	--	--

DATE	TIME	MEDIUM	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)
FEB								
10...	1400	0	80513	80513	.00	180	241	8.1
10...	1402	0	80513	80513	10.0	180	241	8.1
10...	1404	0	80513	80513	20.0	180	241	8.1
10...	1406	0	80513	80513	30.0	180	241	8.1
10...	1408	0	80513	80513	40.0	180	241	8.1
10...	1410	0	80513	80513	50.0	180	241	8.1
10...	1412	0	80513	80513	60.0	180	241	8.1
10...	1414	0	80513	80513	70.0	180	241	8.1
10...	1416	0	80513	80513	80.0	180	241	8.1
10...	1418	0	80513	80513	90.0	180	241	8.1
10...	1420	0	80513	80513	100	180	241	8.1
10...	1422	0	80513	80513	110	180	241	8.1
10...	1424	0	80513	80513	120	180	241	8.1
10...	1426	0	80513	80513	130	180	241	8.1
10...	1428	0	80513	80513	140	180	241	8.1
10...	1430	0	80513	80513	150	180	241	8.1
10...	1432	0	80513	80513	160	180	241	8.1
10...	1434	0	80513	80513	170	180	250	8.1
10...	1435	0	80513	80513	180	180	250	8.1

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
FEB							
10...	1400	7.0	136	3.4	10.0	81	779
10...	1402	7.0	--	--	10.0	--	--
10...	1404	7.0	--	--	10.0	--	--
10...	1406	7.0	--	--	10.0	--	--
10...	1408	7.0	--	--	10.0	--	--
10...	1410	7.0	--	--	10.0	--	--
10...	1412	7.0	--	--	10.0	--	--
10...	1414	7.0	--	--	10.0	--	--
10...	1416	7.0	--	--	10.0	--	--
10...	1418	7.0	--	--	10.0	--	--
10...	1420	7.0	--	--	10.0	--	--
10...	1422	7.0	--	--	9.9	--	--
10...	1424	7.0	--	--	9.9	--	--
10...	1426	7.0	--	--	9.9	--	--
10...	1428	7.0	--	--	9.9	--	--
10...	1430	7.0	--	--	9.9	--	--
10...	1432	7.0	--	--	9.9	--	--
10...	1434	6.5	--	--	9.9	--	--
10...	1435	6.5	--	--	9.8	--	--

DATE	TIME	MEDIUM	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)
MAR								
22...	1030	0	80513	80513	.00	173	230	8.3
22...	1032	0	80513	80513	10.0	173	230	8.2
22...	1034	0	80513	80513	20.0	173	225	8.2
22...	1036	0	80513	80513	30.0	173	225	8.1
22...	1038	0	80513	80513	40.0	173	225	8.1
22...	1040	0	80513	80513	50.0	173	225	8.1
22...	1042	0	80513	80513	60.0	173	225	8.0
22...	1044	0	80513	80513	70.0	173	225	8.0
22...	1046	0	80513	80513	80.0	173	225	8.0
22...	1048	0	80513	80513	90.0	173	225	8.0
22...	1050	0	80513	80513	100	173	225	8.0
22...	1052	0	80513	80513	110	173	225	8.0
22...	1054	0	80513	80513	120	173	225	8.0
22...	1056	0	80513	80513	130	173	225	7.9
22...	1058	0	80513	80513	140	173	225	7.8
22...	1100	0	80513	80513	150	173	225	7.8
22...	1102	0	80513	80513	160	173	225	7.8
22...	1104	0	80513	80513	170	173	230	7.8
22...	1105	0	80513	80513	173	173	235	7.8

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
22...	1030	9.0	144	3.7	11.2	98	750
22...	1032	8.5	--	--	11.2	--	--
22...	1034	8.5	--	--	11.1	--	--
22...	1036	8.5	--	--	11.0	--	--
22...	1038	8.5	--	--	11.0	--	--
22...	1040	8.5	--	--	11.0	--	--
22...	1042	8.5	--	--	10.8	--	--
22...	1044	8.5	--	--	10.6	--	--
22...	1046	8.5	--	--	10.4	--	--
22...	1048	8.5	--	--	11.0	--	--
22...	1050	8.0	--	--	11.0	--	--
22...	1052	8.0	--	--	11.0	--	--
22...	1054	8.0	--	--	11.0	--	--
22...	1056	8.0	--	--	11.0	--	--
22...	1058	8.0	--	--	10.8	--	--
22...	1100	7.0	--	--	10.6	--	--
22...	1102	7.0	--	--	10.1	--	--
22...	1104	6.5	--	--	8.8	--	--
22...	1105	6.5	--	--	8.0	--	--

DATE	TIME	MEDIUM	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)
APR								
20...	1000	9	80513	80513	.00	175	245	8.3
20...	1002	9	80513	80513	10.0	175	245	8.1
20...	1004	9	80513	80513	20.0	175	245	8.1
20...	1006	9	80513	80513	30.0	175	245	8.1
20...	1008	9	80513	80513	40.0	175	245	8.1
20...	1010	9	80513	80513	50.0	175	245	8.1
20...	1012	9	80513	80513	60.0	175	245	8.2
20...	1014	9	80513	80513	70.0	175	245	8.2
20...	1016	9	80513	80513	80.0	175	245	8.2
20...	1018	9	80513	80513	90.0	175	245	8.2
20...	1020	9	80513	80513	100	175	245	8.2
20...	1022	9	80513	80513	110	175	245	8.2
20...	1024	9	80513	80513	120	175	245	8.2
20...	1026	9	80513	80513	130	175	245	8.1
20...	1028	9	80513	80513	140	175	250	8.0
20...	1030	9	80513	80513	150	175	250	8.0
20...	1032	9	80513	80513	160	175	255	7.9
20...	1034	9	80513	80513	170	175	255	7.9
20...	1035	9	80513	80513	175	175	255	7.9

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR							
20...	1000	10.0	384	9.8	10.3	93	749
20...	1002	9.5	--	--	10.2	--	--
20...	1004	9.5	--	--	10.2	--	--
20...	1006	9.5	--	--	10.2	--	--
20...	1008	9.5	--	--	10.1	--	--
20...	1010	9.5	--	--	10.0	--	--
20...	1012	9.0	--	--	10.0	--	--
20...	1014	9.0	--	--	10.0	--	--
20...	1016	9.0	--	--	10.0	--	--
20...	1018	9.0	--	--	9.9	--	--
20...	1020	9.0	--	--	9.8	--	--
20...	1022	8.5	--	--	9.7	--	--
20...	1024	8.5	--	--	9.7	--	--
20...	1026	8.5	--	--	9.4	--	--
20...	1028	8.0	--	--	9.0	--	--
20...	1030	7.5	--	--	8.7	--	--
20...	1032	7.5	--	--	8.3	--	--
20...	1034	7.0	--	--	8.1	--	--
20...	1035	7.0	--	--	7.9	--	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
MAY											
24...	0800	9	80513	80513	.00	182	255	8.1	14.0	19.5	318
24...	0801	9	80513	80010	3.00	182	--	--	--	--	--
24...	0802	9	80513	80513	10.0	182	255	8.2	--	19.5	--
24...	0804	9	80513	80513	20.0	182	255	8.3	--	19.5	--
24...	0805	9	80513	80010	25.0	182	255	8.3	--	18.5	--
24...	0808	9	80513	80513	27.0	182	255	8.3	--	17.5	--
24...	0810	9	80513	80513	28.0	182	255	8.3	--	16.5	--
24...	0812	9	80513	80513	30.0	182	250	8.3	--	16.0	--
24...	0814	9	80513	80513	35.0	182	250	8.2	--	15.0	--
24...	0816	9	80513	80513	40.0	182	250	8.2	--	14.5	--
24...	0818	9	80513	80513	50.0	182	250	8.1	--	14.0	--
24...	0820	9	80513	80513	60.0	182	250	8.1	--	13.5	--
24...	0822	9	80513	80513	70.0	182	250	8.1	--	12.5	--
24...	0823	9	80513	80513	80.0	182	250	8.1	--	11.5	--
24...	0824	9	80513	80513	90.0	182	250	8.0	--	10.5	--
24...	0825	9	80513	80010	100	182	250	8.0	--	10.0	--
24...	0828	9	80513	80513	110	182	250	8.0	--	10.0	--
24...	0830	9	80513	80513	120	182	250	8.0	--	9.5	--
24...	0832	9	80513	80513	130	182	250	8.0	--	9.0	--
24...	0834	9	80513	80513	140	182	250	8.0	--	9.0	--
24...	0836	9	80513	80513	150	182	250	7.9	--	8.5	--
24...	0838	9	80513	80513	160	182	250	7.9	--	8.0	--
24...	0840	9	80513	80513	170	182	255	7.8	--	8.0	--
24...	0842	9	80513	80513	180	182	255	7.7	--	7.5	--
24...	0845	9	80513	80513	182	182	255	7.7	--	7.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)
MAY											
24...	0800	8.1	9.9	110	749	--	--	--	0	--	--
24...	0802	--	9.8	--	--	--	--	--	--	--	--
24...	0804	--	9.8	--	--	--	--	--	--	--	--
24...	0805	--	9.8	--	--	3	<1.0	1.1	--	140	15
24...	0808	--	9.7	--	--	--	--	--	--	--	--
24...	0810	--	9.7	--	--	--	--	--	--	--	--
24...	0812	--	9.5	--	--	--	--	--	--	--	--
24...	0814	--	9.5	--	--	--	--	--	--	--	--
24...	0816	--	9.4	--	--	--	--	--	--	--	--
24...	0818	--	9.1	--	--	--	--	--	--	--	--
24...	0820	--	8.8	--	--	--	--	--	--	--	--
24...	0822	--	8.8	--	--	--	--	--	--	--	--
24...	0823	--	8.8	--	--	--	--	--	--	--	--
24...	0824	--	8.8	--	--	--	--	--	--	--	--
24...	0825	--	8.8	--	--	5	<1.0	1.2	--	120	5
24...	0828	--	8.8	--	--	--	--	--	--	--	--
24...	0830	--	8.8	--	--	--	--	--	--	--	--
24...	0832	--	8.8	--	--	--	--	--	--	--	--
24...	0834	--	8.6	--	--	--	--	--	--	--	--
24...	0836	--	8.2	--	--	--	--	--	--	--	--
24...	0838	--	7.9	--	--	--	--	--	--	--	--
24...	0840	--	7.5	--	--	--	--	--	--	--	--
24...	0842	--	6.5	--	--	--	--	--	--	--	--
24...	0845	--	6.2	--	--	--	--	--	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
MAY											
24...	0805	15	36	90	11	120	8.0	5.0	.200	.200	.020
24...	0825	5	36	90	8.5	120	7.0	5.5	.300	.300	.020

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY											
24...	0801	--	--	--	--	<.010	<.010	--	--	1.80	<.100
24...	0805	.28	.30	.50	2.2	<.010	<.010	80	10	--	--
24...	0825	.28	.30	.60	2.7	<.010	<.010	240	10	--	--

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)
JUN								
15...	1250	9	80513	80513	.00	178	265	8.7
15...	1252	9	80513	80513	10.0	178	265	8.7
15...	1254	9	80513	80513	20.0	178	265	8.8
15...	1256	9	80513	80513	25.0	178	265	8.8
15...	1258	9	80513	80513	26.0	178	265	8.7
15...	1300	9	80513	80513	27.0	178	265	8.7
15...	1302	9	80513	80513	30.0	178	265	8.6
15...	1304	9	80513	80513	35.0	178	265	8.5
15...	1306	9	80513	80513	40.0	178	265	8.4
15...	1308	9	80513	80513	45.0	178	265	8.3
15...	1310	9	80513	80513	50.0	178	265	8.3
15...	1312	9	80513	80513	60.0	178	265	8.2
15...	1314	9	80513	80513	70.0	178	265	8.1
15...	1316	9	80513	80513	80.0	178	265	8.1
15...	1318	9	80513	80513	90.0	178	265	8.1
15...	1320	9	80513	80513	100	178	265	8.1
15...	1322	9	80513	80513	110	178	265	8.0
15...	1324	9	80513	80513	120	178	265	8.0
15...	1326	9	80513	80513	130	178	265	8.0
15...	1328	9	80513	80513	140	178	265	8.0
15...	1330	9	80513	80513	150	178	265	8.0
15...	1332	9	80513	80513	160	178	265	8.0
15...	1334	9	80513	80513	170	178	265	7.9
15...	1335	9	80513	80513	178	178	265	7.9

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JUN							
15...	1250	23.5	197	5.0	9.3	112	749
15...	1252	22.5	--	--	10.2	--	--
15...	1254	22.0	--	--	11.1	--	--
15...	1256	21.0	--	--	11.7	--	--
15...	1258	19.5	--	--	11.5	--	--
15...	1300	18.0	--	--	11.4	--	--
15...	1302	17.0	--	--	11.0	--	--
15...	1304	16.0	--	--	10.5	--	--
15...	1306	15.5	--	--	10.3	--	--
15...	1308	14.5	--	--	10.0	--	--
15...	1310	14.0	--	--	9.8	--	--
15...	1312	13.5	--	--	8.7	--	--
15...	1314	12.5	--	--	8.4	--	--
15...	1316	12.0	--	--	8.4	--	--
15...	1318	11.0	--	--	8.6	--	--
15...	1320	10.5	--	--	8.6	--	--
15...	1322	10.0	--	--	8.7	--	--
15...	1324	9.5	--	--	8.8	--	--
15...	1326	9.0	--	--	8.8	--	--
15...	1328	8.5	--	--	8.8	--	--
15...	1330	8.5	--	--	8.5	--	--
15...	1332	8.0	--	--	7.6	--	--
15...	1334	8.0	--	--	7.0	--	--
15...	1335	7.5	--	--	6.2	--	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JUL										
19...	1340	9	80513	80513	.00	175	240	9.0	29.0	206
19...	1341	9	80513	80010	3.00	175	--	--	--	--
19...	1342	9	80513	80513	10.0	175	240	9.0	28.0	--
19...	1344	9	80513	80513	16.0	175	240	9.0	27.0	--
19...	1346	9	80513	80513	18.0	175	245	9.1	26.0	--
19...	1348	9	80513	80513	20.0	175	245	9.1	25.0	--
19...	1350	9	80513	80513	23.0	175	250	8.7	24.0	--
19...	1352	9	80513	80513	25.0	175	250	9.1	23.0	--
19...	1354	9	80513	80513	27.0	175	255	8.8	22.0	--
19...	1356	9	80513	80513	30.0	175	255	8.7	21.0	--
19...	1358	9	80513	80513	32.0	175	255	8.7	20.0	--
19...	1400	9	80513	80513	34.0	175	255	8.7	19.0	--
19...	1402	9	80513	80513	40.0	175	255	8.7	18.0	--
19...	1404	9	80513	80513	45.0	175	255	8.7	17.0	--
19...	1406	9	80513	80513	50.0	175	255	8.4	16.0	--
19...	1408	9	80513	80513	60.0	175	260	7.7	15.0	--
19...	1410	9	80513	80513	70.0	175	260	7.6	14.0	--
19...	1412	9	80513	80513	80.0	175	260	7.6	13.0	--
19...	1414	9	80513	80513	90.0	175	260	7.6	12.5	--
19...	1416	9	80513	80513	100	175	255	7.6	12.0	--
19...	1418	9	80513	80513	110	175	255	7.6	11.5	--
19...	1420	9	80513	80513	120	175	255	7.6	11.0	--
19...	1422	9	80513	80513	130	175	255	7.6	10.0	--
19...	1424	9	80513	80513	140	175	255	7.6	9.5	--
19...	1426	9	80513	80513	150	175	255	7.6	9.0	--
19...	1428	9	80513	80513	160	175	255	7.6	9.0	--
19...	1429	9	80513	80513	170	175	255	7.5	8.5	--
19...	1430	9	80513	80513	175	175	260	7.4	8.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
19...	1340	5.2	8.2	108	755	--	--	--	--	--
19...	1341	--	--	--	--	.010	.03	<.010	1.00	<.100
19...	1342	--	8.5	--	--	--	--	--	--	--
19...	1344	--	9.7	--	--	--	--	--	--	--
19...	1346	--	10.2	--	--	--	--	--	--	--
19...	1348	--	10.2	--	--	--	--	--	--	--
19...	1350	--	10.6	--	--	--	--	--	--	--
19...	1352	--	10.6	--	--	--	--	--	--	--
19...	1354	--	10.0	--	--	--	--	--	--	--
19...	1356	--	9.8	--	--	--	--	--	--	--
19...	1358	--	9.4	--	--	--	--	--	--	--
19...	1400	--	8.6	--	--	--	--	--	--	--
19...	1402	--	7.3	--	--	--	--	--	--	--
19...	1404	--	7.3	--	--	--	--	--	--	--
19...	1406	--	6.8	--	--	--	--	--	--	--
19...	1408	--	5.3	--	--	--	--	--	--	--
19...	1410	--	5.0	--	--	--	--	--	--	--
19...	1412	--	5.4	--	--	--	--	--	--	--
19...	1414	--	5.7	--	--	--	--	--	--	--
19...	1416	--	6.0	--	--	--	--	--	--	--
19...	1418	--	5.9	--	--	--	--	--	--	--
19...	1420	--	5.9	--	--	--	--	--	--	--
19...	1422	--	5.9	--	--	--	--	--	--	--
19...	1424	--	5.6	--	--	--	--	--	--	--
19...	1426	--	5.3	--	--	--	--	--	--	--
19...	1428	--	4.6	--	--	--	--	--	--	--
19...	1429	--	4.2	--	--	--	--	--	--	--
19...	1430	--	2.9	--	--	--	--	--	--	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
AUG										
23...	1410	9	80513	80513	.00	174	250	8.6	31.5	30.0
23...	1411	9	80513	80010	3.00	174	--	--	--	--
23...	1412	9	80513	80513	10.0	174	250	8.5	--	29.5
23...	1414	9	80513	80513	20.0	174	250	8.5	--	29.5
23...	1416	9	80513	80513	22.0	174	250	8.5	--	28.5
23...	1418	9	80513	80513	23.0	174	250	8.5	--	27.0
23...	1420	9	80513	80010	25.0	174	245	8.5	--	26.0
23...	1422	9	80513	80513	26.0	174	245	8.5	--	25.0
23...	1424	9	80513	80513	28.0	174	245	8.5	--	24.0
23...	1426	9	80513	80513	30.0	174	245	8.4	--	23.5
23...	1428	9	80513	80513	32.0	174	250	8.3	--	22.5
23...	1430	9	80513	80513	35.0	174	260	8.2	--	21.5
23...	1432	9	80513	80513	38.0	174	260	8.1	--	20.5
23...	1434	9	80513	80513	40.0	174	265	8.0	--	20.0
23...	1436	9	80513	80513	45.0	174	265	7.8	--	19.0
23...	1438	9	80513	80513	50.0	174	270	7.7	--	18.0
23...	1440	9	80513	80513	60.0	174	270	7.6	--	17.0
23...	1442	9	80513	80513	70.0	174	270	7.5	--	16.0
23...	1444	9	80513	80513	80.0	174	270	7.5	--	15.0
23...	1446	9	80513	80513	90.0	174	270	7.5	--	14.5
23...	1450	9	80513	80010	100	174	265	7.4	--	14.0
23...	1452	9	80513	80513	110	174	260	7.4	--	13.5
23...	1454	9	80513	80513	120	174	260	7.4	--	12.5
23...	1456	9	80513	80513	130	174	265	7.4	--	11.5
23...	1458	9	80513	80513	140	174	265	7.3	--	10.5
23...	1500	9	80513	80513	150	174	265	7.3	--	10.0
23...	1502	9	80513	80513	160	174	265	7.3	--	9.5
23...	1504	9	80513	80513	170	174	265	7.2	--	9.0
23...	1505	9	80513	80513	174	174	270	7.2	--	9.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
AUG									
23...	1410	180	4.6	8.0	108	750	--	--	--
23...	1412	--	--	8.0	--	--	--	--	--
23...	1414	--	--	8.0	--	--	--	--	--
23...	1416	--	--	8.4	--	--	--	--	--
23...	1418	--	--	13.2	--	--	--	--	--
23...	1420	--	--	13.4	--	--	2	<1.0	.5
23...	1422	--	--	13.6	--	--	--	--	--
23...	1424	--	--	13.1	--	--	--	--	--
23...	1426	--	--	12.7	--	--	--	--	--
23...	1428	--	--	11.7	--	--	--	--	--
23...	1430	--	--	9.4	--	--	--	--	--
23...	1432	--	--	7.7	--	--	--	--	--
23...	1434	--	--	6.6	--	--	--	--	--
23...	1436	--	--	4.9	--	--	--	--	--
23...	1438	--	--	2.9	--	--	--	--	--
23...	1440	--	--	2.0	--	--	--	--	--
23...	1442	--	--	2.2	--	--	--	--	--
23...	1444	--	--	2.7	--	--	--	--	--
23...	1446	--	--	3.2	--	--	--	--	--
23...	1450	--	--	3.7	--	--	2	<1.0	.3
23...	1452	--	--	4.0	--	--	--	--	--
23...	1454	--	--	4.3	--	--	--	--	--
23...	1456	--	--	3.9	--	--	--	--	--
23...	1458	--	--	3.2	--	--	--	--	--
23...	1500	--	--	2.5	--	--	--	--	--
23...	1502	--	--	1.2	--	--	--	--	--
23...	1504	--	--	.5	--	--	--	--	--
23...	1505	--	--	.2	--	--	--	--	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
AUG									
23...	1410	0	--	--	--	--	--	--	--
23...	1420	--	110	0	0	29	72	10	120
23...	1450	--	140	17	17	39	98	9.5	120

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
AUG									
23...	1420	8.0	5.0	--	<.100	.020	.28	.30	--
23...	1450	8.0	5.5	.600	.600	.030	.47	.50	1.1

DATE	TIME	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG									
23...	1411	--	--	--	--	--	--	1.10	<.100
23...	1420	--	.180	.55	<.010	60	10	--	--
23...	1450	4.9	.140	.43	<.010	50	10	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
SEP										
20...	1030	9	80513	80513	.00	170	230	8.7	26.0	150
20...	1031	9	80513	80010	3.00	170	--	--	--	--
20...	1032	9	80513	80513	10.0	170	230	8.6	26.0	--
20...	1034	9	80513	80513	19.0	170	235	8.4	25.0	--
20...	1036	9	80513	80513	20.0	170	240	8.3	24.5	--
20...	1038	9	80513	80513	25.0	170	240	8.2	23.5	--
20...	1040	9	80513	80513	26.0	170	240	8.2	22.5	--
20...	1042	9	80513	80513	30.0	170	240	8.0	21.5	--
20...	1044	9	80513	80513	35.0	170	240	7.7	20.5	--
20...	1046	9	80513	80513	37.0	170	250	7.5	19.5	--
20...	1048	9	80513	80513	40.0	170	250	7.4	19.0	--
20...	1050	9	80513	80513	50.0	170	250	7.4	18.0	--
20...	1052	9	80513	80513	60.0	170	245	7.4	17.0	--
20...	1054	9	80513	80513	70.0	170	245	7.4	16.5	--
20...	1056	9	80513	80513	80.0	170	240	7.3	15.5	--
20...	1058	9	80513	80513	90.0	170	240	7.3	15.5	--
20...	1100	9	80513	80513	100	170	240	7.3	15.0	--
20...	1102	9	80513	80513	110	170	240	7.3	14.0	--
20...	1104	9	80513	80513	120	170	240	7.3	13.0	--
20...	1106	9	80513	80513	130	170	240	7.3	12.0	--
20...	1108	9	80513	80513	140	170	240	7.2	11.5	--
20...	1110	9	80513	80513	150	170	240	7.2	10.5	--
20...	1112	9	80513	80513	160	170	245	7.2	10.0	--
20...	1115	9	80513	80513	170	170	250	7.2	9.5	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	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)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
SEP										
20...	1030	3.8	8.4	106	744	--	--	--	--	--
20...	1031	--	--	--	--	.010	.03	<.010	1.80	<.100
20...	1032	--	6.4	--	--	--	--	--	--	--
20...	1034	--	6.0	--	--	--	--	--	--	--
20...	1036	--	6.0	--	--	--	--	--	--	--
20...	1038	--	6.5	--	--	--	--	--	--	--
20...	1040	--	6.5	--	--	--	--	--	--	--
20...	1042	--	5.4	--	--	--	--	--	--	--
20...	1044	--	2.8	--	--	--	--	--	--	--
20...	1046	--	1.5	--	--	--	--	--	--	--
20...	1048	--	.8	--	--	--	--	--	--	--
20...	1050	--	.2	--	--	--	--	--	--	--
20...	1052	--	.3	--	--	--	--	--	--	--
20...	1054	--	.7	--	--	--	--	--	--	--
20...	1056	--	1.1	--	--	--	--	--	--	--
20...	1058	--	1.4	--	--	--	--	--	--	--
20...	1100	--	1.6	--	--	--	--	--	--	--
20...	1102	--	2.0	--	--	--	--	--	--	--
20...	1104	--	2.3	--	--	--	--	--	--	--
20...	1106	--	1.8	--	--	--	--	--	--	--
20...	1108	--	1.2	--	--	--	--	--	--	--
20...	1110	--	.4	--	--	--	--	--	--	--
20...	1112	--	.2	--	--	--	--	--	--	--
20...	1115	--	.1	--	--	--	--	--	--	--

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 upstream from gaging station, 6.3 mi northwest of Flippin, 12.5 mi downstream from Little North Fork, and at mile 418.6.

DRAINAGE AREA.--6,051 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)
OCT										
21...	1020	0	80513	80513	2340	--	260	7.6	--	10.5
NOV										
16...	1515	0	9827	9827	--	2860	--	7.6	10.0	11.0
23...	0950	0	80513	80513	5990	--	260	7.6	--	11.0
DEC										
14...	1540	0	80513	80513	7450	--	255	7.4	8.0	10.5
14...	1745	0	9827	9827	--	15400	--	7.6	8.0	11.0
JAN										
06...	1010	0	80513	80513	3520	--	285	7.8	--	10.0
25...	1530	0	9827	9827	--	25600	--	8.0	8.0	9.0
FEB										
10...	1315	0	80513	80513	23000	--	241	8.1	--	7.0
22...	1645	0	9827	9827	--	11200	--	8.0	15.0	7.0
MAR										
15...	0900	0	9827	9827	--	19200	--	7.8	17.0	7.0
22...	1000	0	80513	80513	7950	--	225	8.0	--	8.0
APR										
19...	1530	0	9827	9827	--	19300	--	7.9	9.0	9.0
20...	0940	9	80513	80513	11300	--	270	8.4	--	9.0
MAY										
17...	1600	0	9827	9827	--	19400	--	7.9	23.0	10.0
24...	0730	9	80513	80010	8120	--	255	7.6	13.5	9.5
JUN										
14...	0845	0	9827	9827	--	11400	--	7.9	20.0	10.0
15...	1230	9	80513	80513	10300	--	265	7.9	--	10.5
JUL										
19...	0850	0	9827	9827	--	2240	--	7.6	23.0	12.0
19...	1430	9	80513	80513	12300	--	245	7.9	--	11.0
AUG										
16...	0900	0	9827	9827	--	5140	--	7.7	25.0	12.0
23...	1500	9	80513	80010	4140	--	245	7.6	29.5	13.0
SEP										
20...	0900	0	9827	9827	--	1370	--	7.6	23.0	15.0
20...	1000	9	80513	80513	850	--	240	7.6	--	14.0

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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										
21...	1020	--	--	5.2	--	--	--	--	--	--
NOV										
16...	1515	--	1.6	7.1	64	--	1.2	4	--	140
23...	0950	--	--	4.3	--	--	--	--	--	--
DEC										
14...	1540	3	1.0	4.4	40	749	.9	--	4	130
14...	1745	--	4.2	5.2	47	--	1.7	<10	--	140
JAN										
06...	1010	--	--	9.1	--	--	--	--	--	--
25...	1530	--	6.5	9.8	84	--	1.1	16	--	140
FEB										
10...	1315	--	--	10.4	--	--	--	--	--	--
22...	1645	--	3.0	10.5	--	--	1.2	<4	--	130
MAR										
15...	0900	--	2.0	10.4	--	--	2.1	4	--	120
22...	1000	--	--	10.5	--	--	--	--	--	--
APR										
19...	1530	--	1.0	10.2	--	--	.8	<4	--	--
20...	0940	--	--	9.9	--	--	--	--	--	--
MAY										
17...	1600	--	1.0	9.6	--	--	2.4	<4	--	--
24...	0730	5	<1.0	8.6	77	747	.9	--	1	140
JUN										
14...	0845	--	1.2	9.3	--	--	2.6	<4	--	--
15...	1230	--	--	8.0	--	--	--	--	--	--
JUL										
19...	0850	--	.80	7.6	--	--	1.7	--	--	--
19...	1430	--	--	5.7	--	--	--	--	--	--
AUG										
16...	0900	--	1.4	6.8	--	--	2.2	64	--	--
23...	1500	3	<1.0	4.6	45	748	.3	--	0	130
SEP										
20...	0900	--	1.6	6.2	--	--	2.0	40	--	--
20...	1000	--	--	3.2	--	--	--	--	--	--

DATE	TIME	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
NOV										
16...	1515	--	--	--	--	--	--	--	6.0	159
DEC										
14...	1540	2	2	36	90	9.7	128	8.0	6.8	--
14...	1745	--	--	--	--	--	--	10	6.5	153
JAN										
25...	1530	--	--	--	--	--	--	8.0	7.5	153
FEB										
22...	1645	--	--	--	--	--	--	8.0	5.0	141
MAR										
15...	0900	--	--	--	--	--	--	7.0	8.5	139
APR										
19...	1530	--	--	--	--	--	--	5.0	5.5	160
MAY										
17...	1600	--	--	--	--	--	--	9.0	5.5	141
24...	0730	15	15	36	90	11	120	7.0	4.0	--
JUN										
14...	0845	--	--	--	--	--	--	--	7.0	144
JUL										
19...	0850	--	--	--	--	--	--	11	7.0	150
AUG										
16...	0900	--	--	--	--	--	--	10	7.0	161
23...	1500	0	0	35	88	10	130	3.0	5.2	--
SEP										
20...	0900	--	--	--	--	--	--	10	5.5	154

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)
NOV										
16...	1515	.22	1	.260	.030	--	--	--	--	--
DEC										
14...	1540	--	--	.200	.060	.14	.20	.40	1.8	.020
14...	1745	.21	7	--	.050	--	--	--	--	.010
JAN										
25...	1530	.21	22	.200	.020	--	--	--	--	.020
FEB										
22...	1645	.19	2	.310	<.010	--	--	--	--	--
MAR										
15...	0900	.19	2	--	.050	--	--	--	--	.010
APR										
19...	1530	.22	1	--	.010	--	--	--	--	.030
MAY										
17...	1600	.19	2	.240	.030	--	--	--	--	.010
24...	0730	--	--	.300	.060	.14	.20	.50	2.2	.010
JUN										
14...	0845	.20	2	.440	.040	--	--	--	--	<.010
JUL										
19...	0850	.20	1	--	.070	--	--	--	--	.010
AUG										
16...	0900	.22	4	.500	.030	--	--	--	--	.010
23...	1500	--	--	.600	.060	.14	.20	.80	3.5	.030
SEP										
20...	0900	.21	1	.540	--	--	--	--	--	.010

DATE	TIME	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
NOV										
16...	1515	--	<.010	--	34	<10	--	--	20	.0
DEC										
14...	1540	.06	<.010	--	--	--	50	160	--	--
14...	1745	--	.010	<1	1	11	--	--	20	--
JAN										
25...	1530	--	.010	<1	<1	--	--	--	--	--
FEB										
22...	1645	--	.040	<1	7	43	--	--	30	--
MAR										
15...	0900	--	<.010	<1	1	14	--	--	30	--
APR										
19...	1530	--	<.010	<1	<1	18	--	--	--	--
MAY										
17...	1600	--	<.010	<1	<1	<10	--	--	0	--
24...	0730	.03	<.010	--	--	--	90	10	--	--
JUN										
14...	0845	--	<.010	3	<1	50	--	--	--	--
JUL										
19...	0850	--	.010	<1	<1	--	--	--	--	--
AUG										
16...	0900	--	.040	<1	2	<10	--	--	--	--
23...	1500	.09	<.010	--	--	--	90	20	--	--
SEP										
20...	0900	--	<.010	1	<1	37	--	--	20	--

DATE	TIME	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)
NOV									
16...	1515	.000	.000	.000	.000	.000	.00	.00	.0

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV 16...	1545	0	9827	9827	2.3	8.1	10.0	7.0	1.8	12.1
DEC 14...	1545	0	9827	9827	520	8.0	8.0	7.0	20	12.1
JAN 25...	1615	0	9827	9827	163	8.3	7.0	6.0	1.0	14.5
FEB 22...	1600	0	9827	9827	185	8.4	15.0	13.0	1.4	13.0
MAR 15...	0830	0	9827	9827	150	8.0	17.0	14.0	1.5	9.3
APR 19...	1615	0	9827	9827	350	8.2	10.0	11.0	1.5	11.9
MAY 17...	1645	0	9827	9827	400	8.3	24.0	19.0	2.2	11.3
JUN 14...	0800	0	9827	9827	100	8.0	21.0	23.0	5.6	6.2
JUL 19...	0815	0	9827	9827	82	8.0	25.0	27.0	5.0	6.5
AUG 16...	0830	0	9827	9827	34	7.9	27.0	27.0	3.8	6.2
SEP 20...	0830	0	9827	9827	--	7.7	24.0	25.0	2.2	6.9

DATE	TIME	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)
NOV 16...	1545	99	1.1	4	180	--	9.5	198	.27	1
DEC 14...	1545	99	1.3	110	180	8.0	4.5	203	.28	7
JAN 25...	1615	116	1.0	4	180	6.0	7.0	198	.27	1
FEB 22...	1600	--	1.7	4	160	7.0	6.5	180	.24	3
MAR 15...	0830	--	1.8	8	180	7.0	8.0	193	.26	1
APR 19...	1615	--	.8	4	--	6.0	5.0	204	.28	4
MAY 17...	1645	--	2.4	24	--	7.0	5.0	188	.26	4
JUN 14...	0800	--	1.9	110	--	--	5.5	198	.27	15
JUL 19...	0815	--	1.4	--	--	8.0	8.5	191	.26	9
AUG 16...	0830	--	1.6	76	--	10	5.5	174	.24	8
SEP 20...	0830	--	2.9	>600	--	7.0	9.0	165	.22	4

07055608 CROOKED CREEK AT YELLVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
NOV 16...	1545	.030	.040	--	<.010	--	13	<10	10	.0
DEC 14...	1545	--	.050	.030	.080	<1	1	<10	20	--
JAN 25...	1615	.610	.020	.010	.020	<1	<1	--	--	--
FEB 22...	1600	.340	.010	--	.020	<1	6	35	30	--
MAR 15...	0830	--	.050	<.010	<.010	<1	1	68	50	--
APR 19...	1615	--	<.010	.040	<.010	<1	<1	18	0	--
MAY 17...	1645	.310	.020	.010	<.010	<1	<1	18	10	--
JUN 14...	0800	.540	.070	.020	<.010	<1	<1	25	--	--
JUL 19...	0815	--	.090	.040	.010	<1	<1	--	20	--
AUG 16...	0830	.010	.060	.020	.010	<1	<1	16	--	--
SEP 20...	0830	.070	--	.010	<.010	<1	<1	<10	0	--

DATE	TIME	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)
NOV 16...	1545	.000	.000	.000	.000	.000	.00	.00	.0

WHITE RIVER BASIN

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 downstream from Mill Creek, 5.4 mi upstream from Bear Creek, 4.5 mi southeast of St. Joe, and at mile 58.3.

DRAINAGE AREA.--829 mi^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 National Geodetic Vertical Datum of 1929. Prior to Mar. 1, 1940, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--44 years, 1,027 ft^3/s, 16.82 in/yr, 744,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 158,000 ft^3/s Dec. 3, 1982, gage height, 53.75 ft from rating curve extended above 91,000 ft^3/s; minimum, 6.6 ft^3/s Sept. 16, 17, 20, 1954.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 13,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 28	0415	18,100	18.16
Dec. 3	1200	*158,000	53.75
Dec. 25	0215	14,400	16.34

Minimum discharge, 27 ft^3/s Sept. 28, 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	94	2000	2000	4410	402	940	5890	818	1040	99	55
2	62	378	8630	1640	6090	393	8920	3510	727	732	95	51
3	64	1290	124000	1350	3660	384	8120	3880	664	580	90	51
4	62	834	40700	1160	2640	393	4820	3120	596	622	85	52
5	57	549	11100	1050	2100	3350	3550	2440	538	840	82	51
6	53	422	5890	964	1800	3290	2990	1960	530	609	80	48
7	52	358	4030	888	1510	2510	2460	1620	515	424	79	46
8	53	323	2990	829	1280	2000	2090	1340	472	309	78	45
9	57	292	2350	783	1160	1590	1880	1120	435	229	77	45
10	55	268	2070	746	1070	1310	1640	990	406	214	77	41
11	63	250	2520	695	993	1150	1410	901	384	212	77	40
12	91	243	2390	643	903	1030	1260	868	364	206	84	43
13	92	227	2030	595	819	947	1850	856	349	206	82	43
14	88	219	1800	553	757	882	5020	898	367	203	83	36
15	82	212	1580	516	716	821	3300	4180	457	192	82	35
16	78	208	1340	483	679	763	2500	3570	517	179	79	35
17	73	200	1180	459	646	710	2040	2340	438	173	76	35
18	70	195	1080	438	611	662	1810	3560	388	160	75	35
19	69	190	1010	424	581	619	1620	6140	363	150	72	33
20	63	185	916	412	556	600	1400	3580	349	140	70	33
21	56	178	834	413	535	593	1280	2590	340	130	67	31
22	55	183	771	412	514	566	1260	2180	335	121	66	31
23	54	500	750	406	498	522	4920	2080	330	114	62	31
24	53	1160	6720	398	485	487	7180	2940	328	107	60	29
25	52	853	11000	392	468	463	4490	2330	326	168	59	29
26	51	1240	5150	396	449	463	3360	1760	325	158	57	29
27	51	8650	3600	429	430	747	2710	1740	2180	166	56	29
28	53	13200	5880	454	415	1140	2230	2450	1090	148	55	28
29	56	5020	4200	474	---	987	1960	1430	1450	148	54	28
30	56	2820	3030	514	---	910	7000	1100	1460	116	59	28
31	66	---	2460	606	---	897	---	929	---	101	60	---
TOTAL	1951	40741	264001	21522	36775	31581	96010	74292	17841	8897	2277	1146
MEAN	62.9	1358	8516	694	1313	1019	3200	2397	595	287	73.5	38.2
MAX	92	13200	124000	2000	6090	3350	8920	6140	2180	1040	99	55
MIN	51	94	750	392	415	384	940	856	325	101	54	28
CFSM	.08	1.64	10.3	.84	1.58	1.23	3.86	2.89	.72	.35	.09	.05
IN.	.09	1.83	11.85	.97	1.65	1.42	4.31	3.33	.80	.40	.10	.05
AC-FT	3870	80810	523600	42690	72940	62640	190400	147400	35390	17650	4520	2270

CAL YR 1982	TOTAL	574606	MEAN	1574	MAX	124000	MIN 51	CFSM 1.90	IN 25.78	AC-FT	1140000	
WTR YR 1983	TOTAL	597034	MEAN	1636	MAX	124000	MIN 28	CFSM 1.97	IN 26.79	AC-FT	1184000	

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT											
05...	1030	0	9827	9827	62	7.8	23.0	23.0	2.2	8.4	97
NOV											
02...	1050	0	9827	9827	166	7.8	16.0	18.0	2.5	9.0	95
30...	1105	0	9827	9827	2830	7.6	18.0	11.0	10	10.4	94
JAN											
04...	1105	0	9827	9827	1160	7.7	3.0	7.0	4.4	11.8	97
FEB											
22...	1045	0	9827	9827	514	8.2	13.0	12.0	1.4	11.3	105
MAR											
08...	1020	0	9827	9827	2020	7.9	6.0	11.0	8.2	10.7	96
APR											
05...	1045	0	9827	9827	3530	7.7	14.0	12.0	9.0	10.3	95
MAY											
03...	1015	0	9827	9827	4260	7.7	14.0	14.0	25	9.5	--
31...	1010	0	9827	9827	945	7.9	18.0	17.0	3.1	9.2	--
JUN											
28...	1010	0	9827	9827	1040	7.5	25.0	22.0	40	7.5	--
AUG											
02...	1020	0	9827	9827	96	7.8	29.0	29.0	2.8	8.9	--
SEP											
06...	1030	0	9827	9827	49	8.0	29.0	27.0	1.5	9.3	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT											
05...	1030	4	1.4	36	120	5.0	6.5	--	--	3	.040
NOV											
02...	1050	6	2.5	--	120	5.0	4.0	136	.19	2	.010
30...	1105	8	1.0	130	70	8.0	2.5	123	.17	8	.290
JAN											
04...	1105	3	.3	12	90	9.0	3.5	115	.16	2	--
FEB											
22...	1045	1	.4	10	100	7.0	3.0	121	.16	<1	.050
MAR											
08...	1020	--	.9	70	72	6.0	2.5	83	.11	4	.100
APR											
05...	1045	7	.5	52	78	6.0	3.5	97	.13	5	.170
MAY											
03...	1015	5	1.5	380	--	6.0	3.0	89	.12	29	.120
31...	1010	<1	1.7	12	--	6.0	2.5	132	.18	3	.060
JUN											
28...	1010	10	2.2	600	--	5.0	3.5	88	.12	26	.170
AUG											
02...	1020	2	2.9	28	--	3.0	4.5	138	.19	4	.070
SEP											
06...	1030	--	2.3	<4	--	8.0	4.0	137	.19	2	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
OCT											
05...	1030	.080	.22	.30	.34	1.5	.010	<.010	<1	<1	<10
NOV											
02...	1050	.010	.09	.10	.11	.49	.010	<.010	<1	4	<10
30...	1105	.010	.39	.40	.69	3.1	.040	.030	1	--	<10
JAN											
04...	1105	.040	.36	.40	--	--	.040	.040	1	2	<10
FEB											
22...	1045	.010	.19	.20	.25	1.1	<.010	.030	<1	2	20
MAR											
08...	1020	.020	.28	.30	.40	1.8	--	.040	<1	1	<10
APR											
05...	1045	.010	.19	.20	.37	1.6	.050	.010	<1	<1	--
MAY											
03...	1015	.020	.68	.70	.82	3.6	.070	.010	<1	3	<10
31...	1010	.030	--	--	--	--	.010	.010	--	<1	<10
JUN											
28...	1010	.100	1.0	1.1	1.3	5.6	.090	.030	<1	<1	<10
AUG											
02...	1020	.040	--	<.10	--	--	.020	<.010	<5	<1	<10
SEP											
06...	1030	.050	.35	.40	--	--	.010	<.010	<1	<1	<10

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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)
OCT											
05...	1030	10	.0	.000	.000	.000	.000	.000	.00	.00	.0
NOV											
02...	1050	10	--	--	--	--	--	--	--	--	--
30...	1105	10	--	--	--	--	--	--	--	--	--
JAN											
04...	1105	--	.0	.000	.000	.000	.000	.000	.00	.00	.0
FEB											
22...	1045	20	--	--	--	--	--	--	--	--	--
MAR											
08...	1020	0	--	--	--	--	--	--	--	--	--
APR											
05...	1045	0	--	--	--	--	--	--	--	--	--
MAY											
03...	1015	0	--	--	--	--	--	--	--	--	--
JUN											
28...	1010	0	--	--	--	--	--	--	--	--	--
AUG											
02...	1020	10	--	--	--	--	--	--	--	--	--
SEP											
06...	1030	0	--	--	--	--	--	--	--	--	--

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 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV 16...	1430	0	9827	9827	9050	7.9	9.0	11.0	2.2	9.7
DEC 14...	1500	0	9827	9827	7770	7.9	7.0	8.0	30	11.3
JAN 25...	1450	0	9827	9827	24600	8.0	7.0	9.0	4.3	10.5
FEB 22...	1500	0	9827	9827	11500	8.1	14.0	9.0	3.2	10.5
MAR 15...	1000	0	9827	9827	7700	8.0	17.0	11.0	2.5	10.9
APR 19...	1450	0	9827	9827	12200	8.0	13.0	10.0	3.5	11.1
MAY 17...	1515	0	9827	9827	23400	8.0	23.0	14.0	5.6	10.4
JUN 14...	0940	0	9827	9827	11100	7.9	20.0	13.0	1.2	9.1
JUL 19...	0950	0	9827	9827	10300	7.7	25.0	14.0	1.8	8.1
AUG 16...	0945	0	9827	9827	6460	7.7	27.0	16.0	1.6	7.7
SEP 20...	1000	0	9827	9827	12400	7.8	24.0	16.0	1.8	6.4

DATE	TIME	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)
NOV 16...	1430	87	.9	<4	140	--	6.5	159	.22	3
DEC 14...	1500	95	.9	20	130	7.0	4.0	155	.21	20
JAN 25...	1450	90	.5	4	130	9.0	6.5	153	.21	8
FEB 22...	1500	--	.8	4	130	8.0	3.5	151	.21	4
MAR 15...	1000	--	.8	8	120	7.0	7.0	136	.19	2
APR 19...	1450	--	.9	4	--	4.0	4.5	158	.21	5
MAY 17...	1515	--	1.7	76	--	9.0	5.5	147	.20	11
JUN 14...	0940	--	1.1	16	--	--	7.5	149	.20	4
JUL 19...	0950	--	1.1	--	--	11	7.0	149	.20	3
AUG 16...	0945	--	.7	130	--	11	5.5	158	.21	4
SEP 20...	1000	--	.7	24	--	8.0	6.0	161	.22	4

07057370 WHITE RIVER NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
NOV										
16...	1430	.190	.040	--	<.010	--	<1	14	30	.0
DEC										
14...	1500	--	.050	.030	.040	<1	1	16	40	--
JAN										
25...	1450	.200	.020	.010	.010	<1	<1	--	--	.0
FEB										
22...	1500	.260	.020	--	.030	<1	5	68	70	--
MAR										
15...	1000	--	.080	.020	<.010	<1	1	34	40	--
APR										
19...	1450	--	.010	.050	<.010	<1	<1	23	0	.0
MAY										
17...	1515	.200	.060	.030	<.010	<1	<1	54	20	.0
JUN										
14...	0940	.380	.050	<.010	.010	<1	<1	20	--	--
JUL										
19...	0950	--	.060	.020	.010	<1	<1	--	30	.0
AUG										
16...	0945	.460	.030	.020	.010	1	<1	18	--	--
SEP										
20...	1000	.500	--	.010	<.010	1	<1	37	40	--

DATE	TIME	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)
NOV									
16...	1430	.000	.000	.000	.000	.000	.00	.00	.0
JAN									
25...	1450	.000	.000	.000	.000	.000	.00	.00	1
APR									
19...	1450	.000	.000	.000	.000	.000	.00	.00	1
MAY									
17...	1515	.000	.000	.000	.000	.000	.00	.00	.0
JUL									
19...	0950	.000	.000	.000	.000	.000	.00	.00	.0

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 northeast of Norfork, and at mile 4.8.

DRAINAGE AREA.--1,808 mi^2.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT								
21...	0830	0	80513	80513	.00	153	310	8.3
21...	0832	0	80513	80513	10.0	153	310	8.3
21...	0834	0	80513	80513	20.0	153	310	8.3
21...	0836	0	80513	80513	30.0	153	310	8.3
21...	0838	0	80513	80513	40.0	153	310	8.3
21...	0840	0	80513	80513	50.0	153	310	8.3
21...	0842	0	80513	80513	60.0	153	310	8.2
21...	0844	0	80513	80513	65.0	153	315	8.0
21...	0846	0	80513	80513	66.0	153	320	7.7
21...	0848	0	80513	80513	68.0	153	320	7.7
21...	0850	0	80513	80513	70.0	153	320	7.6
21...	0852	0	80513	80513	75.0	153	320	7.6
21...	0854	0	80513	80513	80.0	153	320	7.6
21...	0856	0	80513	80513	85.0	153	320	7.6
21...	0858	0	80513	80513	90.0	153	320	7.6
21...	0900	0	80513	80513	100	153	320	7.6
21...	0902	0	80513	80513	110	153	320	7.6
21...	0904	0	80513	80513	120	153	325	7.5
21...	0906	0	80513	80513	130	153	330	7.5
21...	0908	0	80513	80513	140	153	335	7.5
21...	0909	0	80513	80513	150	153	340	7.5
21...	0910	0	80513	80513	153	153	340	7.5

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT							
21...	0830	20.0	173	4.4	7.6	84	759
21...	0832	20.0	--	--	7.5	--	--
21...	0834	20.0	--	--	7.5	--	--
21...	0836	20.0	--	--	7.4	--	--
21...	0838	20.0	--	--	7.4	--	--
21...	0840	20.0	--	--	7.4	--	--
21...	0842	20.0	--	--	7.2	--	--
21...	0844	19.0	--	--	1.6	--	--
21...	0846	18.0	--	--	1.4	--	--
21...	0848	17.0	--	--	.6	--	--
21...	0850	16.0	--	--	.6	--	--
21...	0852	15.0	--	--	.8	--	--
21...	0854	14.0	--	--	1.1	--	--
21...	0856	13.0	--	--	1.3	--	--
21...	0858	12.0	--	--	1.4	--	--
21...	0900	11.0	--	--	.7	--	--
21...	0902	10.0	--	--	.2	--	--
21...	0904	9.5	--	--	.1	--	--
21...	0906	9.5	--	--	.1	--	--
21...	0908	9.0	--	--	.1	--	--
21...	0909	9.0	--	--	.1	--	--
21...	0910	8.5	--	--	.1	--	--

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV								
23...	0820	0	80513	80513	.00	153	300	7.9
23...	0822	0	80513	80513	10.0	153	300	7.8
23...	0824	0	80513	80513	20.0	153	300	7.8
23...	0826	0	80513	80513	30.0	153	300	7.8
23...	0828	0	80513	80513	40.0	153	300	7.8
23...	0830	0	80513	80513	50.0	153	300	7.8
23...	0832	0	80513	80513	60.0	153	300	7.7
23...	0834	0	80513	80513	70.0	153	305	7.7
23...	0836	0	80513	80513	80.0	153	310	7.6
23...	0838	0	80513	80513	90.0	153	315	7.3
23...	0840	0	80513	80513	100	153	315	7.8
23...	0842	0	80513	80513	110	153	315	7.8
23...	0844	0	80513	80513	120	153	320	7.6
23...	0846	0	80513	80513	130	153	320	7.4
23...	0848	0	80513	80513	140	153	325	7.1
23...	0849	0	80513	80513	150	153	325	7.1
23...	0850	0	80513	80513	153	153	325	7.1

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
23...	0820	14.5	204	5.2	8.6	86	749
23...	0822	14.5	--	--	8.5	--	--
23...	0824	14.5	--	--	8.5	--	--
23...	0826	14.5	--	--	7.8	--	--
23...	0828	14.5	--	--	7.8	--	--
23...	0830	14.5	--	--	7.8	--	--
23...	0832	14.5	--	--	7.4	--	--
23...	0834	14.5	--	--	6.7	--	--
23...	0836	14.0	--	--	5.7	--	--
23...	0838	13.0	--	--	1.3	--	--
23...	0840	12.0	--	--	.1	--	--
23...	0842	11.0	--	--	.1	--	--
23...	0844	10.0	--	--	.1	--	--
23...	0846	9.5	--	--	.1	--	--
23...	0848	9.5	--	--	.1	--	--
23...	0849	9.0	--	--	.1	--	--
23...	0850	9.0	--	--	.1	--	--

DATE	TIME	MEDIUM	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)
DEC										
15...	0835	0	80513	80513	.00	169	295	8.0	4.5	11.5
15...	0836	0	80513	80010	3.00	169	--	--	--	--
15...	0837	0	80513	80513	10.0	169	295	8.0	--	11.5
15...	0838	0	80513	80513	20.0	169	295	8.0	--	11.5
15...	0840	0	80513	80010	25.0	169	295	8.0	--	11.5
15...	0842	0	80513	80513	30.0	169	295	8.0	--	11.5
15...	0844	0	80513	80513	40.0	169	295	8.0	--	11.5
15...	0846	0	80513	80513	50.0	169	295	8.0	--	11.5
15...	0848	0	80513	80513	60.0	169	295	8.0	--	11.5
15...	0850	0	80513	80513	70.0	169	295	8.0	--	11.5
15...	0852	0	80513	80513	80.0	169	295	8.0	--	11.5
15...	0854	0	80513	80513	90.0	169	295	8.0	--	11.5
15...	0855	0	80513	80010	100	169	295	8.0	--	11.5
15...	0858	0	80513	80513	110	169	295	8.0	--	11.5
15...	0900	0	80513	80513	120	169	295	8.0	--	11.5
15...	0902	0	80513	80513	130	169	295	7.9	--	11.5
15...	0904	0	80513	80513	140	169	305	7.5	--	11.0
15...	0906	0	80513	80513	150	169	320	7.4	--	10.5
15...	0908	0	80513	80513	160	169	320	7.4	--	10.0
15...	0910	0	80513	80513	169	169	320	7.3	--	9.5

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC									
15...	0835	108	2.70	8.5	79	751	--	--	--
15...	0837	--	--	8.5	--	--	--	--	--
15...	0838	--	--	8.4	--	--	--	--	--
15...	0840	--	--	8.4	--	--	<1	<1.0	.8
15...	0842	--	--	8.4	--	--	--	--	--
15...	0844	--	--	8.4	--	--	--	--	--
15...	0846	--	--	8.4	--	--	--	--	--
15...	0848	--	--	8.3	--	--	--	--	--
15...	0850	--	--	8.3	--	--	--	--	--
15...	0852	--	--	8.3	--	--	--	--	--
15...	0854	--	--	8.3	--	--	--	--	--
15...	0855	--	--	8.3	--	--	8	1.0	.6
15...	0858	--	--	8.3	--	--	--	--	--
15...	0900	--	--	8.3	--	--	--	--	--
15...	0902	--	--	7.4	--	--	--	--	--
15...	0904	--	--	2.3	--	--	--	--	--
15...	0906	--	--	.2	--	--	--	--	--
15...	0908	--	--	.1	--	--	--	--	--
15...	0910	--	--	.1	--	--	--	--	--

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
DEC									
15...	0835	6	--	--	--	--	--	--	--
15...	0840	--	160	0	0	31	78	21	167
15...	0855	--	160	0	0	30	75	21	167

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
DEC									
15...	0840	4.0	3.3	.100	.100	.080	--	<.10	--
15...	0855	5.0	2.8	.100	.100	.060	.24	.30	.40

DATE	TIME	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
15...	0836	--	--	--	--	--	--	2.90	<.100
15...	0840	--	<.010	--	<.010	90	30	--	--
15...	0855	1.8	.010	.03	<.010	130	40	--	--

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
JAN								
06...	0840	0	80513	80513	.00	168	325	8.1
06...	0842	0	80513	80513	10.0	168	325	8.1
06...	0844	0	80513	80513	20.0	168	325	8.1
06...	0846	0	80513	80513	30.0	168	325	8.1
06...	0848	0	80513	80513	40.0	168	325	8.1
06...	0850	0	80513	80513	50.0	168	325	8.1
06...	0852	0	80513	80513	60.0	168	325	8.1
06...	0854	0	80513	80513	70.0	168	325	8.1
06...	0856	0	80513	80513	80.0	168	325	8.1
06...	0858	0	80513	80513	90.0	168	325	8.1
06...	0900	0	80513	80513	100	168	325	8.1
06...	0902	0	80513	80513	110	168	325	8.1
06...	0904	0	80513	80513	120	168	325	8.1
06...	0906	0	80513	80513	130	168	325	8.1
06...	0908	0	80513	80513	140	168	325	8.1
06...	0909	0	80513	80513	--	--	--	--
06...	0910	0	80513	80513	150	168	325	8.1
06...	0912	0	80513	80513	160	168	325	8.1
06...	0915	0	80513	80513	168	168	325	8.1

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
06...	0840	10.0	99.6	2.50	8.4	76	745
06...	0842	10.0	--	--	8.3	--	--
06...	0844	10.0	--	--	8.3	--	--
06...	0846	10.0	--	--	8.3	--	--
06...	0848	10.0	--	--	8.3	--	--
06...	0850	10.0	--	--	8.3	--	--
06...	0852	10.0	--	--	8.3	--	--
06...	0854	10.0	--	--	8.2	--	--
06...	0856	10.0	--	--	8.2	--	--
06...	0858	10.0	--	--	8.2	--	--
06...	0900	10.0	--	--	8.2	--	--
06...	0902	10.0	--	--	8.2	--	--
06...	0904	10.0	--	--	8.2	--	--
06...	0906	10.0	--	--	8.2	--	--
06...	0908	10.0	--	--	8.2	--	--
06...	0910	10.0	--	--	8.1	--	--
06...	0912	10.0	--	--	8.1	--	--
06...	0915	10.0	--	--	8.1	--	--

DATE	TIME	MEDIUM	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)
FEB								
10...	1130	0	80513	80513	.00	163	268	7.9
10...	1132	0	80513	80513	10.0	163	268	7.9
10...	1134	0	80513	80513	20.0	163	268	8.0
10...	1136	0	80513	80513	30.0	163	268	8.0
10...	1138	0	80513	80513	40.0	163	268	8.0
10...	1140	0	80513	80513	50.0	163	268	8.1
10...	1142	0	80513	80513	60.0	163	268	8.1
10...	1144	0	80513	80513	70.0	163	268	8.1
10...	1146	0	80513	80513	80.0	163	268	8.1
10...	1148	0	80513	80513	90.0	163	268	8.1
10...	1150	0	80513	80513	100	163	268	8.1
10...	1152	0	80513	80513	110	163	268	8.1
10...	1154	0	80513	80513	120	163	268	8.1
10...	1156	0	80513	80513	130	163	268	8.0
10...	1158	0	80513	80513	140	163	268	8.0
10...	1200	0	80513	80513	150	163	268	8.0
10...	1202	0	80513	80513	160	163	268	8.0
10...	1205	0	80513	80513	163	163	268	8.0

WHITE RIVER BASIN

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
FEB							
10...	1130	7.0	74.4	1.90	10.0	84	751
10...	1132	7.0	--	--	10.0	--	--
10...	1134	7.0	--	--	10.0	--	--
10...	1136	7.0	--	--	10.0	--	--
10...	1138	7.0	--	--	10.0	--	--
10...	1140	7.0	--	--	10.0	--	--
10...	1142	7.0	--	--	10.0	--	--
10...	1144	7.0	--	--	10.0	--	--
10...	1146	7.0	--	--	10.0	--	--
10...	1148	7.0	--	--	10.0	--	--
10...	1150	7.0	--	--	10.0	--	--
10...	1152	7.0	--	--	10.0	--	--
10...	1154	7.0	--	--	10.0	--	--
10...	1156	7.0	--	--	10.0	--	--
10...	1158	7.0	--	--	10.0	--	--
10...	1200	7.0	--	--	9.9	--	--
10...	1202	7.0	--	--	9.9	--	--
10...	1205	7.0	--	--	9.6	--	--

DATE	TIME	MEDIUM	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)
MAR								
22...	0840	0	80513	80513	.00	158	250	8.3
22...	0842	0	80513	80513	10.0	158	250	8.3
22...	0844	0	80513	80513	20.0	158	250	8.3
22...	0846	0	80513	80513	30.0	158	250	8.3
22...	0848	0	80513	80513	40.0	158	250	8.3
22...	0850	0	80513	80513	50.0	158	250	8.3
22...	0852	0	80513	80513	60.0	158	250	8.2
22...	0854	0	80513	80513	70.0	158	250	8.2
22...	0856	0	80513	80513	80.0	158	250	8.2
22...	0858	0	80513	80513	90.0	158	250	8.2
22...	0900	0	80513	80513	100	158	250	8.1
22...	0902	0	80513	80513	110	158	250	8.1
22...	0904	0	80513	80513	120	158	255	8.0
22...	0906	0	80513	80513	130	158	255	8.0
22...	0908	0	80513	80513	140	158	255	7.9
22...	0909	0	80513	80513	150	158	255	7.9
22...	0910	0	80513	80513	158	158	260	7.9

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
22...	0840	9.0	76.8	2.00	11.4	100	753
22...	0842	9.0	--	--	11.4	--	--
22...	0844	9.0	--	--	11.3	--	--
22...	0846	9.0	--	--	11.2	--	--
22...	0848	8.5	--	--	11.1	--	--
22...	0850	8.5	--	--	11.0	--	--
22...	0852	8.5	--	--	10.8	--	--
22...	0854	8.5	--	--	10.7	--	--
22...	0856	7.5	--	--	10.1	--	--
22...	0858	7.5	--	--	10.0	--	--
22...	0900	7.0	--	--	9.7	--	--
22...	0902	7.0	--	--	9.4	--	--
22...	0904	6.5	--	--	9.3	--	--
22...	0906	6.5	--	--	9.1	--	--
22...	0908	6.0	--	--	9.0	--	--
22...	0909	6.0	--	--	8.8	--	--
22...	0910	6.0	--	--	7.8	--	--

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
APR								
20...	0810	9	80513	80513	.00	162	280	8.3
20...	0812	9	80513	80513	10.0	162	280	8.4
20...	0814	9	80513	80513	20.0	162	280	8.4
20...	0816	9	80513	80513	30.0	162	280	8.5
20...	0818	9	80513	80513	40.0	162	280	8.5
20...	0820	9	80513	80513	50.0	162	280	8.5
20...	0822	9	80513	80513	60.0	162	280	8.5
20...	0824	9	80513	80513	70.0	162	280	8.5
20...	0826	9	80513	80513	80.0	162	280	8.5
20...	0828	9	80513	80513	90.0	162	280	8.5
20...	0830	9	80513	80513	100	162	280	8.5
20...	0832	9	80513	80513	110	162	280	8.5
20...	0834	9	80513	80513	120	162	280	8.5
20...	0836	9	80513	80513	130	162	280	8.4
20...	0838	9	80513	80513	140	162	280	8.4
20...	0840	9	80513	80513	150	162	285	8.3
20...	0842	9	80513	80513	160	162	285	8.3
20...	0845	9	80513	80513	162	162	285	8.3

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR							
20...	0810	9.5	114	2.90	10.5	93	752
20...	0812	9.5	--	--	10.4	--	--
20...	0814	9.5	--	--	10.3	--	--
20...	0816	9.5	--	--	10.3	--	--
20...	0818	9.5	--	--	10.2	--	--
20...	0820	9.5	--	--	10.2	--	--
20...	0822	9.5	--	--	10.1	--	--
20...	0824	9.5	--	--	10.0	--	--
20...	0826	9.5	--	--	10.0	--	--
20...	0828	9.5	--	--	9.9	--	--
20...	0830	9.5	--	--	9.8	--	--
20...	0832	9.0	--	--	9.6	--	--
20...	0834	9.0	--	--	9.4	--	--
20...	0836	8.5	--	--	9.3	--	--
20...	0838	8.5	--	--	9.1	--	--
20...	0840	8.5	--	--	8.8	--	--
20...	0842	8.0	--	--	8.5	--	--
20...	0845	8.0	--	--	8.5	--	--

DATE	TIME	MEDIUM	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)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
MAY											
25...	1430	9	80513	80513	.00	162	280	8.7	28.5	22.0	173
25...	1431	9	80513	80010	3.00	162	--	--	--	--	--
25...	1432	9	80513	80513	10.0	162	280	8.7	--	21.0	--
25...	1434	9	80513	80513	20.0	162	280	8.6	--	20.0	--
25...	1435	9	80513	80010	25.0	162	280	8.5	--	19.0	--
25...	1438	9	80513	80513	27.0	162	285	8.4	--	18.0	--
25...	1440	9	80513	80513	30.0	162	285	8.3	--	17.0	--
25...	1442	9	80513	80513	35.0	162	290	8.2	--	16.0	--
25...	1444	9	80513	80513	40.0	162	290	8.2	--	15.0	--
25...	1446	9	80513	80513	50.0	162	290	8.1	--	14.0	--
25...	1448	9	80513	80513	55.0	162	285	8.0	--	13.0	--
25...	1450	9	80513	80513	60.0	162	285	8.0	--	12.0	--
25...	1452	9	80513	80513	70.0	162	285	7.9	--	11.0	--
25...	1454	9	80513	80513	80.0	162	285	7.9	--	10.5	--
25...	1456	9	80513	80513	90.0	162	285	7.9	--	10.0	--
25...	1500	9	80513	80010	100	162	285	7.8	--	10.0	--
25...	1502	9	80513	80513	110	162	285	7.8	--	9.5	--
25...	1504	9	80513	80513	120	162	285	7.8	--	9.5	--
25...	1506	9	80513	80513	130	162	285	7.8	--	9.5	--
25...	1508	9	80513	80513	140	162	285	7.7	--	9.5	--
25...	1510	9	80513	80513	150	162	285	7.7	--	9.0	--
25...	1512	9	80513	80513	160	162	285	7.7	--	9.0	--
25...	1515	9	80513	80513	162	162	285	7.7	--	9.0	--

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)
MAY											
25...	1430	4.4	10.0	117	749	--	--	--	0	--	--
25...	1432	--	10.0	--	--	--	--	--	--	--	--
25...	1434	--	9.9	--	--	--	--	--	--	--	--
25...	1435	--	9.4	--	--	5	1.5	.8	--	150	10
25...	1438	--	9.1	--	--	--	--	--	--	--	--
25...	1440	--	9.0	--	--	--	--	--	--	--	--
25...	1442	--	8.6	--	--	--	--	--	--	--	--
25...	1444	--	8.5	--	--	--	--	--	--	--	--
25...	1446	--	8.2	--	--	--	--	--	--	--	--
25...	1448	--	8.1	--	--	--	--	--	--	--	--
25...	1450	--	8.1	--	--	--	--	--	--	--	--
25...	1452	--	8.2	--	--	--	--	--	--	--	--
25...	1454	--	8.4	--	--	--	--	--	--	--	--
25...	1456	--	8.4	--	--	--	--	--	--	--	--
25...	1500	--	8.2	--	--	8	1.5	.4	--	150	0
25...	1502	--	8.2	--	--	--	--	--	--	--	--
25...	1504	--	8.0	--	--	--	--	--	--	--	--
25...	1506	--	7.9	--	--	--	--	--	--	--	--
25...	1508	--	7.9	--	--	--	--	--	--	--	--
25...	1510	--	7.6	--	--	--	--	--	--	--	--
25...	1512	--	7.4	--	--	--	--	--	--	--	--
25...	1515	--	7.2	--	--	--	--	--	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
MAY											
25...	1435	10	32	17	140	<5.0	2.5	.200	.200	.050	.25
25...	1500	0	31	17	150	<5.0	3.0	.300	.300	.060	.14

DATE	TIME	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)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
25...	1431	--	--	--	.010	<.010	--	--	1.10	<.100
25...	1435	.30	.50	2.2	<.010	<.010	120	10	--	--
25...	1500	.20	.50	2.2	<.010	<.010	150	10	--	--

DATE	TIME	MEDIUM	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)
JUN								
15...	1440	9	80513	80513	.00	162	285	8.6
15...	1442	9	80513	80513	10.0	162	285	8.7
15...	1444	9	80513	80513	15.0	162	285	8.8
15...	1446	9	80513	80513	20.0	162	285	8.7
15...	1448	9	80513	80513	22.0	162	290	8.5
15...	1450	9	80513	80513	23.0	162	290	8.4
15...	1452	9	80513	80513	25.0	162	295	8.2
15...	1454	9	80513	80513	28.0	162	295	8.2
15...	1456	9	80513	80513	30.0	162	295	8.2
15...	1458	9	80513	80513	40.0	162	295	8.1
15...	1500	9	80513	80513	50.0	162	295	8.1
15...	1502	9	80513	80513	60.0	162	295	8.0
15...	1504	9	80513	80513	70.0	162	295	8.0
15...	1506	9	80513	80513	75.0	162	295	8.0
15...	1508	9	80513	80513	80.0	162	295	8.0
15...	1510	9	80513	80513	90.0	162	295	8.0
15...	1512	9	80513	80513	100	162	295	8.0
15...	1514	9	80513	80513	110	162	295	8.0
15...	1516	9	80513	80513	120	162	300	8.0
15...	1518	9	80513	80513	130	162	300	8.0
15...	1520	9	80513	80513	140	162	300	7.9
15...	1522	9	80513	80513	150	162	300	7.9
15...	1524	9	80513	80513	160	162	300	7.9
15...	1525	9	80513	80513	162	162	300	7.9

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUN							
15...	1440	25.0	178	4.5	8.6	106	750
15...	1442	24.0	--	--	9.0	--	--
15...	1444	23.0	--	--	9.0	--	--
15...	1446	22.0	--	--	8.6	--	--
15...	1448	21.0	--	--	8.3	--	--
15...	1450	20.0	--	--	7.4	--	--
15...	1452	19.0	--	--	6.5	--	--
15...	1454	18.0	--	--	6.8	--	--
15...	1456	17.5	--	--	6.8	--	--
15...	1458	16.5	--	--	6.3	--	--
15...	1500	15.5	--	--	6.2	--	--
15...	1502	14.5	--	--	6.3	--	--
15...	1504	13.5	--	--	6.3	--	--
15...	1506	12.5	--	--	6.5	--	--
15...	1508	11.5	--	--	6.6	--	--
15...	1510	10.5	--	--	6.7	--	--
15...	1512	10.0	--	--	6.8	--	--
15...	1514	9.5	--	--	6.7	--	--
15...	1516	9.5	--	--	6.7	--	--
15...	1518	9.5	--	--	6.6	--	--
15...	1520	9.0	--	--	6.3	--	--
15...	1522	9.0	--	--	5.9	--	--
15...	1524	9.0	--	--	5.5	--	--
15...	1525	9.0	--	--	5.4	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JUL										
19...	1550	9	80513	80513	.00	164	280	8.3	30.5	193
19...	1551	9	80513	80010	3.00	164	--	--	--	--
19...	1552	9	80513	80513	5.00	164	280	8.1	29.5	--
19...	1554	9	80513	80513	10.0	164	280	8.3	28.5	--
19...	1556	9	80513	80513	17.0	164	275	8.6	27.5	--
19...	1558	9	80513	80513	20.0	164	275	8.5	26.5	--
19...	1600	9	80513	80513	22.0	164	280	8.5	25.5	--
19...	1602	9	80513	80513	24.0	164	280	8.4	24.5	--
19...	1604	9	80513	80513	26.0	164	285	8.2	23.5	--
19...	1606	9	80513	80513	28.0	164	285	8.2	22.5	--
19...	1608	9	80513	80513	30.0	164	290	8.1	21.5	--
19...	1610	9	80513	80513	32.0	164	290	7.9	20.5	--
19...	1612	9	80513	80513	34.0	164	290	7.7	19.5	--
19...	1614	9	80513	80513	37.0	164	290	7.6	18.5	--
19...	1616	9	80513	80513	40.0	164	290	7.6	17.5	--
19...	1618	9	80513	80513	45.0	164	290	7.6	16.5	--
19...	1620	9	80513	80513	50.0	164	290	7.6	15.5	--
19...	1624	9	80513	80513	55.0	164	290	7.6	14.5	--
19...	1626	9	80513	80513	60.0	164	290	7.6	14.0	--
19...	1628	9	80513	80513	70.0	164	290	7.6	13.0	--
19...	1630	9	80513	80513	80.0	164	290	7.6	12.0	--
19...	1632	9	80513	80513	90.0	164	295	7.6	11.0	--
19...	1634	9	80513	80513	100	164	295	7.6	10.5	--
19...	1636	9	80513	80513	110	164	295	7.6	10.5	--
19...	1638	9	80513	80513	120	164	295	7.6	10.0	--
19...	1640	9	80513	80513	130	164	300	7.5	10.0	--
19...	1642	9	80513	80513	140	164	300	7.5	9.5	--
19...	1643	9	80513	80513	150	164	300	7.4	9.5	--
19...	1644	9	80513	80513	160	164	300	7.4	9.5	--
19...	1645	9	80513	80513	164	164	305	7.3	9.5	--

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
19...	1550	4.9	8.1	110	753	--	--	--	--	--
19...	1551	--	--	--	--	.010	.03	<.010	1.00	<.100
19...	1552	--	8.4	--	--	--	--	--	--	--
19...	1554	--	8.5	--	--	--	--	--	--	--
19...	1556	--	9.2	--	--	--	--	--	--	--
19...	1558	--	9.9	--	--	--	--	--	--	--
19...	1600	--	9.8	--	--	--	--	--	--	--
19...	1602	--	9.5	--	--	--	--	--	--	--
19...	1604	--	8.5	--	--	--	--	--	--	--
19...	1606	--	8.1	--	--	--	--	--	--	--
19...	1608	--	7.8	--	--	--	--	--	--	--
19...	1610	--	6.0	--	--	--	--	--	--	--
19...	1612	--	4.9	--	--	--	--	--	--	--
19...	1614	--	4.1	--	--	--	--	--	--	--
19...	1616	--	3.4	--	--	--	--	--	--	--
19...	1618	--	3.5	--	--	--	--	--	--	--
19...	1620	--	3.8	--	--	--	--	--	--	--
19...	1624	--	4.1	--	--	--	--	--	--	--
19...	1626	--	4.3	--	--	--	--	--	--	--
19...	1628	--	4.7	--	--	--	--	--	--	--
19...	1630	--	4.9	--	--	--	--	--	--	--
19...	1632	--	5.2	--	--	--	--	--	--	--
19...	1634	--	5.3	--	--	--	--	--	--	--
19...	1636	--	5.2	--	--	--	--	--	--	--
19...	1638	--	5.1	--	--	--	--	--	--	--
19...	1640	--	4.8	--	--	--	--	--	--	--
19...	1642	--	4.5	--	--	--	--	--	--	--
19...	1643	--	3.9	--	--	--	--	--	--	--
19...	1644	--	2.8	--	--	--	--	--	--	--
19...	1645	--	1.1	--	--	--	--	--	--	--

DATE	TIME	MEDIUM	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)
AUG										
22...	1720	9	80513	80513	.00	157	280	8.7	35.5	30.5
22...	1721	9	80513	80010	3.00	157	--	--	--	--
22...	1722	9	80513	80513	10.0	157	280	8.7	--	30.0
22...	1724	9	80513	80513	20.0	157	280	8.7	--	29.5
22...	1726	9	80513	80513	24.0	157	295	8.7	--	28.5
22...	1730	9	80513	80010	25.0	157	295	8.6	--	27.5
22...	1732	9	80513	80513	26.0	157	300	8.6	--	26.5
22...	1734	9	80513	80513	29.0	157	300	8.6	--	25.5
22...	1736	9	80513	80513	30.0	157	300	8.6	--	25.0
22...	1738	9	80513	80513	32.0	157	300	8.5	--	24.0
22...	1740	9	80513	80513	34.0	157	300	8.2	--	23.0
22...	1742	9	80513	80513	36.0	157	300	8.1	--	22.0
22...	1744	9	80513	80513	40.0	157	300	8.0	--	21.0
22...	1746	9	80513	80513	43.0	157	300	7.9	--	20.0
22...	1748	9	80513	80513	46.0	157	305	7.9	--	19.0
22...	1750	9	80513	80513	48.0	157	305	7.9	--	18.0
22...	1752	9	80513	80513	50.0	157	305	7.8	--	17.0
22...	1754	9	80513	80513	56.0	157	305	7.8	--	16.0
22...	1756	9	80513	80513	60.0	157	305	7.8	--	15.5
22...	1757	9	80513	80513	70.0	157	300	7.8	--	14.5
22...	1758	9	80513	80513	80.0	157	300	7.8	--	13.5
22...	1759	9	80513	80513	90.0	157	300	7.8	--	12.5
22...	1800	9	80513	80010	100	157	305	7.8	--	11.5
22...	1802	9	80513	80513	110	157	305	7.7	--	11.0
22...	1804	9	80513	80513	120	157	315	7.7	--	11.0
22...	1806	9	80513	80513	130	157	320	7.7	--	10.5
22...	1807	9	80513	80513	140	157	315	7.7	--	10.5
22...	1808	9	80513	80513	150	157	315	7.6	--	10.0
22...	1810	9	80513	80513	157	157	315	7.6	--	10.0

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
AUG									
22...	1720	244	6.2	8.0	109	749	--	--	--
22...	1722	--	--	8.2	--	--	--	--	--
22...	1724	--	--	8.2	--	--	--	--	--
22...	1726	--	--	10.2	--	--	--	--	--
22...	1730	--	--	9.9	--	--	5	>1.0	.6
22...	1732	--	--	9.8	--	--	--	--	--
22...	1734	--	--	9.2	--	--	--	--	--
22...	1736	--	--	8.3	--	--	--	--	--
22...	1738	--	--	7.6	--	--	--	--	--
22...	1740	--	--	5.0	--	--	--	--	--
22...	1742	--	--	3.4	--	--	--	--	--
22...	1744	--	--	2.6	--	--	--	--	--
22...	1746	--	--	1.3	--	--	--	--	--
22...	1748	--	--	.7	--	--	--	--	--
22...	1750	--	--	.7	--	--	--	--	--
22...	1752	--	--	.7	--	--	--	--	--
22...	1754	--	--	1.2	--	--	--	--	--
22...	1756	--	--	1.6	--	--	--	--	--
22...	1757	--	--	2.7	--	--	--	--	--
22...	1758	--	--	3.1	--	--	--	--	--
22...	1759	--	--	3.4	--	--	--	--	--
22...	1800	--	--	3.6	--	--	5	>1.0	.4
22...	1802	--	--	3.3	--	--	--	--	--
22...	1804	--	--	2.4	--	--	--	--	--
22...	1806	--	--	1.8	--	--	--	--	--
22...	1807	--	--	1.5	--	--	--	--	--
22...	1808	--	--	.2	--	--	--	--	--
22...	1810	--	--	.1	--	--	--	--	--

DATE	TIME	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)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	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 FIELD (MG/L AS CACO3) (00410)
AUG									
22...	1720	0	--	--	--	--	--	--	--
22...	1730	--	150	0	0	31	78	17	160
22...	1800	--	150	0	0	30	75	18	150

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
AUG									
22...	1730	5.0	2.3	.400	.400	.040	.26	.30	.70
22...	1800	5.0	3.5	.500	.500	.030	.77	.80	1.3

DATE	TIME	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)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG									
22...	1721	--	--	--	--	--	--	1.00	<.100
22...	1730	3.1	.030	.09	<.010	130	10	--	--
22...	1800	5.8	.120	.37	<.010	150	10	--	--

07059500 NORFORK LAKE NEAR NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
SEP										
20...	1330	9	80513	80010	--	142	--	--	--	--
20...	1335	9	80513	80513	.00	142	250	8.5	26.0	108
20...	1336	9	80513	80010	3.00	142	250	8.5	26.0	--
20...	1338	9	80513	80513	20.0	142	250	8.4	26.0	--
20...	1340	9	80513	80513	30.0	142	260	7.7	25.0	--
20...	1342	9	80513	80513	35.0	142	260	7.5	24.0	--
20...	1344	9	80513	80513	37.0	142	260	7.4	23.0	--
20...	1346	9	80513	80513	40.0	142	260	7.3	22.5	--
20...	1348	9	80513	80513	45.0	142	260	7.3	21.5	--
20...	1350	9	80513	80513	50.0	142	260	7.3	20.5	--
20...	1352	9	80513	80513	55.0	142	260	7.3	19.5	--
20...	1354	9	80513	80513	60.0	142	260	7.3	18.5	--
20...	1356	9	80513	80513	65.0	142	260	7.3	17.5	--
20...	1358	9	80513	80513	70.0	142	260	7.3	16.5	--
20...	1400	9	80513	80513	75.0	142	260	7.3	15.5	--
20...	1402	9	80513	80513	80.0	142	260	7.3	14.5	--
20...	1404	9	80513	80513	90.0	142	260	7.3	13.5	--
20...	1406	9	80513	80513	100	142	260	7.3	13.0	--
20...	1408	9	80513	80513	110	142	260	7.3	12.0	--
20...	1410	9	80513	80513	120	142	260	7.2	11.5	--
20...	1412	9	80513	80513	130	142	260	7.2	11.5	--
20...	1414	9	80513	80513	140	142	270	7.2	11.0	--
20...	1415	9	80513	80513	142	142	270	7.2	10.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	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										
20...	1330	--	--	--	--	.010	.03	.010	--	--
20...	1335	2.70	6.6	84	741	--	--	--	--	--
20...	1336	--	6.4	--	--	.010	.03	<.010	2.10	.400
20...	1338	--	6.2	--	--	--	--	--	--	--
20...	1340	--	2.6	--	--	--	--	--	--	--
20...	1342	--	1.0	--	--	--	--	--	--	--
20...	1344	--	.3	--	--	--	--	--	--	--
20...	1346	--	.1	--	--	--	--	--	--	--
20...	1348	--	.0	--	--	--	--	--	--	--
20...	1350	--	.0	--	--	--	--	--	--	--
20...	1352	--	.0	--	--	--	--	--	--	--
20...	1354	--	.0	--	--	--	--	--	--	--
20...	1356	--	.0	--	--	--	--	--	--	--
20...	1358	--	.2	--	--	--	--	--	--	--
20...	1400	--	.9	--	--	--	--	--	--	--
20...	1402	--	1.1	--	--	--	--	--	--	--
20...	1404	--	1.5	--	--	--	--	--	--	--
20...	1406	--	1.4	--	--	--	--	--	--	--
20...	1408	--	1.1	--	--	--	--	--	--	--
20...	1410	--	.4	--	--	--	--	--	--	--
20...	1412	--	.2	--	--	--	--	--	--	--
20...	1414	--	.1	--	--	--	--	--	--	--
20...	1415	--	.1	--	--	--	--	--	--	--

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 northeast of Norfork, and at mile 4.8.

DRAINAGE AREA.--1,808 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 21...	0800	0	80513	80513	640	320	7.7	13.0	5.1

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV 23...	0750	0	80513	80513	60	320	7.4	11.5	1.4

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC 15...	0815	0	80513	80010	3220	305	7.7	4.5	11.0	8.6

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)
DEC 15...	0815	79	755	1.2	6	160	0	0	31	78

DATE	TIME	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
DEC 15...	0815	20	171	4.0	1.4	.100	.100	.110	.09

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
DEC 15...	0815	.20	.30	1.3	.020	.06	.010	240	180

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN 06...	0750	0	80513	80513	1840	320	7.9	9.5	9.0

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
FEB 10...	1100	0	80513	80513	3380	270	7.9	7.0	10.2

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAR 22...	0800	0	80513	80513	2800	275	7.9	6.5	10.3

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
APR 20...	0740	9	80513	80513	5730	285	8.3	9.0	12.2

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY 25...	1620	9	80513	80010	2220	280	8.0	27.0	11.0	8.9

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
MAY 25...	1620	82	752	8	2.5	1.4	0	150	5	5

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
MAY 25...	1620	34	17	150	<5.0	2.0	.300	.300	.070	.33

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
MAY 25...	1620	.40	.70	3.1	.050	.15	.030	160	20

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 15...	1420	9	80513	80513	3190	285	8.1	11.0	8.4

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL 19...	1510	9	80513	80513	2660	285	7.7	12.0	5.5

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG 22...	1700	9	80513	80010	2480	300	7.9	34.5	13.0	3.4

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
AUG 22...	1700	33	752	5	1.9	.6	12	150	2	2

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
AUG 22...	1700	31	78	18	150	5.0	4.0	.500	.500	.050

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
AUG 22...	1700	.15	.20	.70	3.1	.250	.77	<.010	170	40

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD 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)
SEP											
20...	1300	9	80513	80513	210	260	7.9	13.0	8.0	--	--
20...	1330	9	80513	80010	--	--	--	--	--	70	140

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 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV 16...	1400	0	9827	9827	20	8.1	9.0	12.0	2.4	11.6
DEC 14...	1430	0	9827	9827	3050	7.8	7.0	11.0	65	8.0
JAN 25...	1430	0	9827	9827	7500	8.1	7.0	9.0	3.1	10.5
FEB 22...	1430	0	9827	9827	20	8.1	14.0	8.0	7.0	11.1
MAR 15...	1020	0	9827	9827	903	7.9	18.0	8.0	5.0	12.4
APR 19...	1430	0	9827	9827	6620	8.1	14.0	9.0	4.0	10.9
MAY 17...	1445	0	9827	9827	6700	8.1	23.0	17.0	2.4	10.7
JUN 14...	1000	0	9827	9827	1610	7.8	20.0	11.0	3.8	7.5
JUL 19...	1010	0	9827	9827	20	7.7	25.0	13.0	1.3	7.5
AUG 16...	1010	0	9827	9827	20	7.7	27.0	14.0	1.6	6.6
SEP 20...	1025	0	9827	9827	20	7.7	24.0	15.0	2.6	5.7

DATE	TIME	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)
NOV 16...	1400	107	2.0	8	200	--	3.5	207	.28	3
DEC 14...	1430	72	2.4	390	180	5.0	2.5	182	.25	124
JAN 25...	1430	90	.5	4	160	6.0	4.0	162	.22	4
FEB 22...	1430	--	2.2	12	150	6.0	4.0	156	.21	7
MAR 15...	1020	--	2.1	<4	150	5.0	6.0	157	.21	6
APR 19...	1430	--	1.4	4	--	2.0	4.0	171	.23	6
MAY 17...	1445	--	2.0	8	--	7.0	3.5	158	.21	6
JUN 14...	1000	--	1.5	88	--	--	5.0	167	.23	22
JUL 19...	1010	--	1.8	--	--	7.0	5.5	166	.23	2
AUG 16...	1010	--	2.2	140	--	8.0	4.0	176	.24	2
SEP 20...	1025	--	2.0	>600	--	7.0	3.5	172	.23	4

07060010 NORTH FORK RIVER AT NORFORK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
NOV 16...	1400	.140	.050	--	<.010	--	4	13	150	.0
DEC 14...	1430	--	.110	.100	.020	<1	2	11	20	--
JAN 25...	1430	.220	.020	.010	.030	<1	<1	--	--	--
FEB 22...	1430	.400	.010	--	.050	<1	6	31	30	--
MAR 15...	1020	--	.070	.020	<.010	<1	1	21	20	--
APR 19...	1430	--	.010	.050	<.010	<1	<1	19	0	--
MAY 17...	1445	.290	.020	.010	<.010	<1	<1	10	0	--
JUN 14...	1000	.340	.040	.010	<.010	<1	<1	<10	--	--
JUL 19...	1010	--	.020	.020	.010	<1	<1	--	20	--
AUG 16...	1010	.370	.050	.010	.010	<1	<1	12	--	--
SEP 20...	1025	.350	--	.010	<.010	1	1	28	0	--

DATE	TIME	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)
NOV 16...	1400	.000	.000	.000	.000	.000	.00	.00	.0

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 upstream from bridge on State Highway 5, 700 ft upstream from Calico Creek, 3.2 mi downstream from Cataract Creek, 6.0 mi upstream from Piney Creek, and at mile 359.1.

DRAINAGE AREA.--9,978 mi^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 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 downstream, both at datum 2.07 ft higher. Aug. 14, 1940, to Dec. 5, 1966, water-stage recorder at datum 1.00 ft higher.

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

AVERAGE DISCHARGE.--44 years, 9,834 ft^3/s, 7,125,000 acre-ft/yr.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 201,000 ft^3/s Dec. 4, gage height, 41.14 ft; minimum, 728 ft^3/s Sept. 26; minimum daily, 796 ft^3/s Oct. 11.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4720	3940	9800	10400	31400	8050	9600	17800	8200	16300	4670	8310
2	4670	11600	10600	9690	35200	5900	13700	12900	8510	13300	10400	7990
3	3180	7890	115000	10000	29700	6210	32600	15000	11800	12300	11200	8600
4	3410	11200	180000	9690	34200	7810	21500	14600	14000	11800	11600	2480
5	8150	13300	53100	8280	33800	10900	23800	11500	14400	12400	11500	2510
6	10600	11000	21000	8200	33300	7990	24400	14800	11100	15300	8710	5860
7	9370	5570	14800	10700	32900	8820	23100	17000	10400	14200	2710	15100
8	4360	12800	10900	12100	32600	12700	22100	22900	14500	13900	1760	8050
9	1320	5090	12200	13100	30800	17000	22900	20200	15000	14500	6730	16500
10	868	6680	11200	16200	29400	16400	21500	21000	16600	13800	6420	12300
11	796	2940	9910	16100	29100	17400	24700	20800	16000	13800	10400	5550
12	1230	2050	10400	17000	28100	12200	23000	19100	14700	14600	7530	2620
13	5420	6320	11000	20400	28300	7210	22300	19500	16100	13100	3900	2750
14	2850	7940	9880	25200	28700	5600	32900	19500	13900	14100	3010	1040
15	3200	6120	15100	28400	25600	8960	19000	13500	16400	13200	2550	1580
16	3670	9860	17200	28500	26400	10900	13400	19800	15200	8930	8880	2410
17	2550	4940	21100	28800	27100	11500	9180	28900	14400	3960	13800	2770
18	2580	5640	23500	30300	27300	10300	11100	29200	12300	3800	14100	3980
19	3720	3360	22200	30400	25000	14300	18200	23400	11700	13000	13400	9970
20	2620	2850	25100	31100	10800	9910	22500	27000	11500	16700	12800	12600
21	3010	2680	24800	31900	15800	16000	20900	22000	11900	17300	7330	2910
22	3040	2170	26800	32000	14000	15500	20100	14100	10500	16600	6900	1260
23	2850	4430	27400	32100	13500	12800	20100	18200	11100	15300	10500	2470
24	2640	6850	29200	32200	13600	10400	19500	17000	12800	14000	7210	2080
25	2230	6490	23700	32100	15000	11800	15600	15700	13500	8250	12600	1750
26	1970	3470	17500	35700	15000	14400	21200	15100	12800	5110	14200	904
27	2880	7680	10600	36300	13200	17000	22800	14500	15400	11500	17000	1690
28	5810	21300	10200	36200	7940	13800	21500	12500	10300	11600	12600	5990
29	3090	16600	15300	36000	---	14300	21000	10700	14900	17800	10600	8440
30	2090	13200	12800	33900	---	10600	20800	8900	16800	12900	13200	2260
31	7500	---	11400	32900	---	8900	---	7760	---	6540	6830	---
TOTAL	116394	225960	813690	735860	687740	355560	614980	544860	396710	389890	285040	162724
MEAN	3755	7532	26250	23740	24560	11470	20500	17580	13220	12580	9195	5424
MAX	10600	21300	180000	36300	35200	17400	32900	29200	16800	17800	17000	16500
MIN	796	2050	9800	8200	7940	5600	9180	7760	8200	3800	1760	904
AC-FT	230900	448200	1614000	1460000	1364000	705300	1220000	1081000	786900	773300	565400	322800

CAL YR 1982 TOTAL 3254213 MEAN 8916 MAX 180000 MIN 705 AC-FT 6455000
WTR YR 1983 TOTAL 5329408 MEAN 14600 MAX 180000 MIN 796 AC-FT 10570000

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 September 1981.

REMARKS.--Flow regulated by upstream reservoirs.

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT 06...	1000	0	80513	80010	12500	289	8.0	13.0	8.4	80	760
DEC 14...	1400	0	80513	80010	7580	282	7.9	8.0	10.6	90	754
FEB 03...	1100	0	80513	80010	28000	246	8.0	8.0	12.2	104	757
APR 26...	1230	9	80513	80010	14700	230	8.4	11.0	10.4	95	754
JUN 21...	1200	9	80513	80010	11200	270	8.0	13.0	10.0	95	759
AUG 23...	1430	9	80513	80010	4870	265	8.0	16.0	8.9	91	759

DATE	TIME	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)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
OCT 06...	1000	2.6	140	400	140	23	23	36	13	2.7	4
DEC 14...	1400	.9	65	220	140	4	4	39	10	2.7	4
FEB 03...	1100	1.0	78	980	120	4	4	33	8.9	2.5	4
APR 26...	1230	--	30	20	130	2	2	32	11	1.9	3
JUN 21...	1200	1.1	23	44	140	9	9	37	11	3.0	4
AUG 23...	1430	.9	80	62	140	10	10	39	10	3.0	4

DATE	TIME	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)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
OCT 06...	1000	.1	1.0	121	8.0	4.8	<.10	.270	.250	.030	.040
14...	1400	.1	1.4	135	8.0	4.6	.10	.390	.380	.010	<.010
FEB 03...	1100	.1	1.5	115	9.0	4.3	<.10	.290	.280	.010	.010
APR 26...	1230	.0	1.4	123	8.4	3.3	<.10	.200	.220	<.010	<.010
JUN 21...	1200	.1	1.7	129	10	4.4	<.10	.300	.360	<.010	<.010
AUG 23...	1430	.1	1.7	129	9.2	3.6	.10	.480	.510	.020	<.010

07060500 WHITE RIVER AT CALICO ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	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)
OCT 06...	1000	.300	.290	.040	.070	.09	.96	.43	1.0	.50	.50
DEC 14...	1400	.400	.380	.050	.030	.04	.45	.27	.50	.20	.30
FEB 03...	1100	.300	.290	.070	.070	.09	.43	.23	.50	.20	.30
APR 26...	1230	.200	.220	.090	.070	.09	.11	.13	.20	.00	.20
JUN 21...	1200	.300	.360	.070	.080	.10	.63	.32	.70	.30	.40
AUG 23...	1430	.500	.510	.070	.090	.12	.43	.31	.50	.10	.40

DATE	TIME	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)	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)
OCT 06...	1000	1.3	5.8	.79	.010	.03	<.010	120	1	40	1
DEC 14...	1400	.90	4.0	.68	.020	.06	.010	--	--	80	--
FEB 03...	1100	.80	3.5	.59	.030	.09	.010	--	--	30	--
26...	1230	.40	1.8	.42	.020	.06	<.010	--	--	10	--
JUN 21...	1200	1.0	4.4	.76	.010	.03	.010	--	--	20	--
AUG 23...	1430	1.0	4.4	.91	.040	.12	.010	--	--	40	--

DATE	TIME	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)	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 06...	1000	<1	<1	5	120	2	50	<.1	3	<1	10

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 upstream from bridge on Ozark National Forest service road, 200 ft downstream from Gunner Creek, 2.7 mi north of Fifty Six, and 7.0 mi upstream from South Sylamore Creek.

DRAINAGE AREA.--58.1 mi^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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--17 years, 47.7 ft^3/s, 11.15 in/yr, 34,560 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,200 ft^3/s Dec. 3, 1982, gage height, 20.60 ft, from rating curve extended above 3,700 ft^3/s on basis of step-backwater computations; minimum, 1.6 ft^3/s Nov. 22, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,200 ft^3/s Dec. 3, at 1030 hours, gage height, 20.60 ft, from rating curve as explained above, no other peak above base of 2,800 ft^3/s; minimum, 2.6 ft^3/s Oct. 2-3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	6.0	24	65	179	15	35	191	17	19	6.6	3.4
2	2.6	8.1	171	54	183	15	402	150	17	16	6.6	3.4
3	2.6	14	11500	45	111	15	216	479	18	15	6.5	3.3
4	3.2	9.7	721	38	77	17	109	176	20	18	6.3	3.1
5	3.6	7.3	407	34	57	101	107	109	18	97	6.3	3.1
6	8.0	6.0	199	32	47	90	123	81	16	46	6.3	3.1
7	8.9	5.1	134	30	37	71	95	65	15	18	6.0	3.5
8	9.0	4.8	85	29	33	54	70	51	14	14	6.1	3.9
9	9.5	4.6	59	27	31	45	54	41	14	11	6.3	4.0
10	7.0	4.4	46	25	27	31	41	34	14	11	6.0	3.7
11	5.6	4.4	42	23	26	28	32	30	14	10	5.2	3.4
12	5.0	5.7	36	22	24	26	27	28	14	9.4	7.5	3.3
13	4.4	7.1	30	21	22	23	760	25	13	8.7	7.1	3.2
14	4.1	6.4	28	21	21	23	482	28	16	8.4	6.0	3.3
15	3.9	5.5	25	20	21	22	183	81	18	8.4	5.2	3.2
16	4.1	5.0	23	19	20	22	132	68	16	8.5	5.4	3.2
17	4.0	4.8	21	19	19	21	103	52	15	8.8	4.8	3.2
18	4.4	4.8	19	18	18	20	93	165	13	8.0	4.8	3.3
19	4.6	4.8	19	18	18	19	76	216	13	7.4	4.6	3.1
20	5.9	4.8	17	18	18	20	63	108	13	7.4	4.4	3.1
21	3.9	4.6	17	18	18	19	56	79	12	6.9	4.3	3.1
22	3.4	4.7	16	19	18	17	52	62	12	6.9	4.1	3.1
23	3.3	11	18	19	17	17	153	52	12	7.1	3.9	3.1
24	3.7	16	444	19	17	16	207	42	12	6.6	3.9	3.1
25	3.9	11	492	19	16	16	140	33	14	6.8	3.9	3.1
26	3.6	61	223	20	15	18	109	28	16	7.5	4.0	3.1
27	3.6	416	185	21	15	23	87	25	17	7.4	3.9	3.1
28	4.1	316	211	21	15	23	73	23	20	7.1	5.4	3.1
29	12	92	149	22	---	20	63	21	28	7.6	4.3	3.1
30	12	44	102	22	---	22	447	19	26	7.4	3.4	3.1
31	7.7	---	82	22	---	28	---	18	---	6.9	3.4	---
TOTAL	164.4	1099.6	15545	800	1120	897	4590	2580	477	428.2	162.5	97.8
MEAN	5.30	36.7	501	25.8	40.0	28.9	153	83.2	15.9	13.8	5.24	3.26
MAX	12	416	11500	65	183	101	760	479	28	97	7.5	4.0
MIN	2.6	4.4	16	18	15	15	27	18	12	6.6	3.4	3.1
CFSM	.09	.63	8.62	.44	.69	.50	2.63	1.43	.27	.24	.09	.06
IN.	.11	.70	9.95	.51	.72	.57	2.94	1.65	.31	.27	.10	.06
AC-FT	326	2180	30830	1590	2220	1780	9100	5120	946	849	322	194

CAL YR 1982 TOTAL 26372.5 MEAN 72.3 MAX 11500 MIN 2.6 CFSM 1.24 IN 16.89 AC-FT 52310
WTR YR 1983 TOTAL 27961.5 MEAN 76.6 MAX 11500 MIN 2.6 CFSM 1.32 IN 17.90 AC-FT 55460

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 06...	1200	0	80513	80010	7.2	276	8.2	19.5	<1.0	8.2	90
DEC 14...	1200	0	80513	80010	29	253	7.9	6.0	<1.0	11.6	94
FEB 03...	0930	0	80513	80010	131	205	8.0	7.0	1.8	12.3	103
APR 26...	1400	9	80513	80010	109	228	8.4	16.0	<1.0	10.4	107
JUN 21...	1030	9	80513	80010	12	284	8.2	19.0	<.10	8.6	94
AUG 23...	1230	9	80513	80010	3.4	280	8.3	27.0	1.5	7.9	100

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
OCT 06...	1200	760	34	580	140	0	0	43	7.4	1.7	3
DEC 14...	1200	752	15	120	130	0	0	40	6.4	1.0	2
FEB 03...	0930	752	6	160	99	4	4	33	4.0	1.0	2
APR 26...	1400	751	5	4	110	3	3	38	4.2	1.1	2
JUN 21...	1030	755	2	43	150	3	3	49	5.9	1.6	2
AUG 23...	1230	758	78	26	140	17	17	47	6.7	1.6	2

DATE	TIME	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)	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)
OCT 06...	1200	.0	.30	139	<5.0	1.9	.10	7.6	142	--	.19
DEC 14...	1200	.0	.70	126	7.4	1.9	<.10	7.2	148	140	.20
FEB 03...	0930	.0	.70	95	8.2	2.1	<.10	6.6	111	110	.15
APR 26...	1400	.0	.70	109	8.0	1.5	<.10	6.7	153	130	.21
JUN 21...	1030	.0	.80	144	5.7	1.7	.10	8.0	148	160	.20
AUG 23...	1230	.0	.80	128	5.7	2.1	<.10	9.6	159	150	.22

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)
OCT 06...	1200	--	<.100	.090	.12	.20	<.010	--	<.010	<.010	--
DEC 14...	1200	.110	.110	.040	.05	.30	.020	.06	.010	<.010	--
FEB 03...	0930	--	<.100	.080	.10	<.10	.020	.03	<.010	.010	--
APR 26...	1400	--	<.100	.050	.06	<.10	<.010	--	<.010	<.010	<10
JUN 21...	1030	--	<.100	<.010	--	.20	.010	.03	<.010	<.010	--
AUG 23...	1230	--	<.100	.040	.05	<.10	.030	.09	.010	<.010	--

DATE	TIME	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)
OCT 06...	1200	1	29	<1	<1	<1	<3	4	<3	<1	<4
APR 26...	1400	1	25	<1	<1	<1	<3	2	4	4	<4

DATE	TIME	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	URANIUM DISSOLVED, EXTRACTION (UG/L) (80020)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT) (80030)
OCT 06...	1200	5	.1	<10	2	<1	<1	43	15	--	--
DEC 14...	1200	--	--	--	--	--	--	--	--	.26	<3.4
APR 26...	1400	4	<.1	<10	7	<1	<1	29	5	--	--

DATE	TIME	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS BETA, DISSOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90) (80060)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L) (09511)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 06...	1200	--	--	--	--	--	--	15	.29	44
DEC 14...	1200	.7	<2.3	.7	<2.2	.8	.05	5	.39	49
FEB 03...	0930	--	--	--	--	--	--	6	2.1	65
APR 26...	1400	--	--	--	--	--	--	2	.59	62
JUN 21...	1030	--	--	--	--	--	--	3	.10	62
AUG 23...	1230	--	--	--	--	--	--	4	.04	54

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 north of Oil Trough.

DRAINAGE AREA.--11,234 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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...	0830	0	9827	9827	7.8	18.0	19.0	25	9.0	--
NOV 10...	0800	0	9827	9827	8.0	13.0	12.0	4.1	10.5	97
FEB 15...	1045	0	9827	9827	8.1	17.0	9.0	5.5	12.2	--
MAR 16...	1640	0	9827	9827	7.9	23.0	15.0	4.0	11.0	--
APR 26...	0815	0	9827	9827	7.8	19.0	21.0	120	7.4	--
MAY 24...	1820	0	9827	9827	8.0	23.0	18.0	15	10.5	--
JUN 21...	1025	0	9827	9827	8.0	29.0	21.0	3.5	9.4	--
JUL 26...	0810	0	9827	9827	7.9	27.0	20.0	4.0	8.4	--
AUG 23...	1645	0	9827	9827	8.0	38.0	24.0	2.5	9.3	--
SEP 26...	1655	0	9827	9827	--	28.0	21.0	7.0	10.8	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT 13...	0830	1.4	40	170	9.0	7.5	173	.24	16	--
NOV 10...	0800	1.2	--	150	9.0	4.5	156	.21	7	.210
FEB 15...	1045	1.2	16	130	10	4.5	151	.21	22	.260
MAR 16...	1640	1.3	10	140	6.0	7.0	155	.21	8	--
APR 26...	0815	4.2	250	--	7.0	4.5	--	--	651	.230
MAY 24...	1820	2.1	48	--	--	5.5	159	.22	48	.210
JUN 21...	1025	1.0	88	--	11	7.0	164	.22	15	.260
JUL 26...	0810	.8	44	--	9.0	11	171	.23	14	.430
AUG 23...	1645	1.2	--	--	8.0	7.0	165	.22	8	.380
SEP 26...	1655	3.6	12	--	5.0	8.0	188	.26	20	.400

07061105 WHITE RIVER AT OIL TROUGH, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT									
13...	0830	.030	.030	.010	<1	<1	<10	--	--
NOV									
10...	0800	.020	.070	.010	<1	<1	<10	--	--
FEB									
15...	1045	.050	--	.050	<1	3	46	--	--
MAR									
16...	1640	.050	.030	<.010	<1	2	18	--	.0
APR									
26...	0815	.030	.640	.010	--	93	--	--	--
MAY									
24...	1820	.030	.090	.010	<1	<1	<10	30	--
JUN									
21...	1025	.200	.030	--	1	<1	21	--	--
JUL									
26...	0810	.050	.010	<.010	1	<1	14	20	--
AUG									
23...	1645	<.010	.030	<.010	<1	2	17	40	--
SEP									
26...	1655	<.010	.030	<.010	<1	<1	16	0	.0

DATE	TIME	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)
MAR									
16...	1640	.000	.000	.000	.000	.000	.00	.00	.0
SEP									
26...	1655	.000	.000	.000	.000	.000	.00	.00	.0

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 upstream from Brewer Bay, 4.5 mi west of Piedmont, and at mile 257.4.

DRAINAGE AREA.--898 mi^2.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT								
20...	1320	0	80513	80513	.00	43.0	210	7.6
20...	1325	0	80513	80513	10.0	43.0	210	7.6
20...	1330	0	80513	80513	20.0	43.0	210	7.6
20...	1335	0	80513	80513	30.0	43.0	210	7.7
20...	1340	0	80513	80513	40.0	43.0	215	7.6
20...	1345	0	80513	80513	43.0	43.0	220	7.6

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT							
20...	1320	18.5	50.0	1.30	6.6	71	756
20...	1325	18.5	--	--	6.5	--	--
20...	1330	18.0	--	--	6.5	--	--
20...	1335	18.0	--	--	6.5	--	--
20...	1340	18.0	--	--	6.3	--	--
20...	1345	17.5	--	--	5.2	--	--

DATE	TIME	MEDIUM	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)
NOV								
22...	1550	0	80513	80513	.00	32.0	245	8.2
22...	1555	0	80513	80513	10.0	32.0	245	8.1
22...	1600	0	80513	80513	20.0	32.0	245	8.0
22...	1605	0	80513	80513	30.0	32.0	245	7.9
22...	1610	0	80513	80513	32.0	32.0	250	7.9

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
22...	1550	12.0	30.0	.80	10.8	101	755
22...	1555	11.5	--	--	10.2	--	--
22...	1600	10.5	--	--	9.5	--	--
22...	1605	9.5	--	--	8.7	--	--
22...	1610	9.5	--	--	8.7	--	--

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
DEC										
16...	0940	0	80513	80513	.00	82.0	101	7.0	.5	11.0
16...	0941	0	80513	80010	3.00	82.0	--	--	--	--
16...	0942	0	80513	80513	10.0	82.0	101	7.1	--	11.0
16...	0945	0	80513	80010	16.0	82.0	101	7.1	--	11.0
16...	0946	0	80513	80513	20.0	82.0	101	7.1	--	11.0
16...	0948	0	80513	80513	30.0	82.0	101	7.2	--	11.0
16...	0950	0	80513	80513	40.0	82.0	101	7.2	--	11.0
16...	0952	0	80513	80513	50.0	82.0	101	7.2	--	11.0
16...	0954	0	80513	80513	60.0	82.0	100	7.2	--	11.0
16...	0955	0	80513	80010	69.0	82.0	100	7.2	--	11.0
16...	0958	0	80513	80513	70.0	82.0	100	7.2	--	11.0
16...	0959	0	80513	80513	80.0	82.0	100	7.2	--	11.0
16...	1000	0	80513	80513	82.0	82.0	100	7.2	--	11.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC									
16...	0940	6.0	.20	8.6	78	758	--	--	--
16...	0942	--	--	8.6	--	--	--	--	--
16...	0945	--	--	8.5	--	--	85	50	.8
16...	0946	--	--	8.5	--	--	--	--	--
16...	0948	--	--	8.5	--	--	--	--	--
16...	0950	--	--	8.5	--	--	--	--	--
16...	0952	--	--	8.5	--	--	--	--	--
16...	0954	--	--	8.4	--	--	--	--	--
16...	0955	--	--	8.4	--	--	75	50	.5
16...	0958	--	--	8.4	--	--	--	--	--
16...	0959	--	--	8.4	--	--	--	--	--
16...	1000	--	--	8.4	--	--	--	--	--

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
DEC									
16...	0940	49	--	--	--	--	--	--	--
16...	0945	--	57	15	15	11	28	7.1	42
16...	0955	--	56	15	15	11	28	7.0	41

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
DEC									
16...	0945	7.0	3.9	.200	.200	.110	.29	.40	.60
16...	0955	7.0	3.5	.200	.200	.110	.29	.40	.60

DATE	TIME	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
16...	0941	--	--	--	--	--	--	<.100	<.100
16...	0945	2.7	.070	.21	.040	620	90	--	--
16...	0955	2.7	.070	.21	.040	1600	100	--	--

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
JAN								
05...	1130	0	80513	80513	.00	90.0	106	7.3
05...	1132	0	80513	80513	10.0	90.0	108	7.3
05...	1134	0	80513	80513	20.0	90.0	108	7.3
05...	1136	0	80513	80513	30.0	90.0	108	7.3
05...	1138	0	80513	80513	40.0	90.0	109	7.3
05...	1140	0	80513	80513	50.0	90.0	109	7.3
05...	1142	0	80513	80513	60.0	90.0	109	7.3
05...	1144	0	80513	80513	70.0	90.0	109	7.4
05...	1146	0	80513	80513	80.0	90.0	109	7.4
05...	1150	0	80513	80513	90.0	90.0	109	7.4

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
05...	1130	8.5	13.2	.30	8.9	77	748
05...	1132	8.5	--	--	8.9	--	--
05...	1134	8.5	--	--	9.0	--	--
05...	1136	8.5	--	--	9.0	--	--
05...	1138	8.0	--	--	9.0	--	--
05...	1140	8.0	--	--	9.0	--	--
05...	1142	8.0	--	--	9.0	--	--
05...	1144	8.0	--	--	9.0	--	--
05...	1146	8.0	--	--	9.0	--	--
05...	1150	8.0	--	--	9.0	--	--

DATE	TIME	MEDIUM	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)
FEB								
08...	1320	0	80513	80513	.00	59.0	114	7.4
08...	1325	0	80513	80513	10.0	59.0	114	7.4
08...	1330	0	80513	80513	20.0	59.0	114	7.4
08...	1335	0	80513	80513	30.0	59.0	116	7.4
08...	1340	0	80513	80513	40.0	59.0	134	7.4
08...	1345	0	80513	80513	50.0	59.0	140	7.4
08...	1350	0	80513	80513	59.0	59.0	144	7.4

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
FEB							
08...	1320	4.0	25.2	.60	10.5	81	750
08...	1325	4.0	--	--	10.3	--	--
08...	1330	4.0	--	--	10.3	--	--
08...	1335	4.0	--	--	10.3	--	--
08...	1340	4.5	--	--	10.6	--	--
08...	1345	4.5	--	--	10.8	--	--
08...	1350	4.5	--	--	10.8	--	--

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
MAR								
21...	1330	0	80513	80513	.00	37.0	245	8.5
21...	1335	0	80513	80513	10.0	37.0	245	8.5
21...	1340	0	80513	80513	20.0	37.0	245	8.5
21...	1345	0	80513	80513	30.0	37.0	245	8.6
21...	1350	0	80513	80513	37.0	37.0	245	8.6

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
21...	1330	10.0	27.6	.70	10.0	90	747
21...	1335	10.0	--	--	9.7	--	--
21...	1340	9.5	--	--	9.7	--	--
21...	1345	9.5	--	--	9.7	--	--
21...	1350	9.5	--	--	9.5	--	--

DATE	TIME	MEDIUM	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)
APR								
19...	1400	9	80513	80513	.00	52.0	155	7.8
19...	1405	9	80513	80513	10.0	52.0	150	7.8
19...	1410	9	80513	80513	20.0	52.0	153	7.9
19...	1415	9	80513	80513	30.0	52.0	156	8.0
19...	1420	9	80513	80513	40.0	52.0	156	8.0
19...	1425	9	80513	80513	50.0	52.0	171	8.0
19...	1430	9	80513	80513	52.0	52.0	171	8.0

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR							
19...	1400	11.5	22.8	.60	10.3	96	749
19...	1405	10.5	--	--	10.2	--	--
19...	1410	10.5	--	--	10.1	--	--
19...	1415	10.5	--	--	10.1	--	--
19...	1420	10.5	--	--	10.1	--	--
19...	1425	10.5	--	--	9.5	--	--
19...	1430	10.5	--	--	9.4	--	--

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
MAY											
26...	1110	9	80513	80513	.00	80.0	124	7.6	26.5	23.0	28.8
26...	1111	9	80513	80010	3.00	80.0	--	--	--	--	--
26...	1112	9	80513	80513	10.0	80.0	124	7.7	--	22.0	--
26...	1114	9	80513	80513	14.0	80.0	124	7.8	--	21.0	--
26...	1116	9	80513	80513	15.0	80.0	123	7.7	--	19.5	--
26...	1120	9	80513	80010	16.0	80.0	123	7.6	--	18.5	--
26...	1122	9	80513	80513	20.0	80.0	126	7.5	--	17.5	--
26...	1124	9	80513	80513	23.0	80.0	130	7.5	--	16.5	--
26...	1126	9	80513	80513	30.0	80.0	113	7.4	--	15.5	--
26...	1128	9	80513	80513	40.0	80.0	107	7.4	--	15.0	--
26...	1130	9	80513	80513	50.0	80.0	106	7.4	--	14.5	--
26...	1132	9	80513	80513	60.0	80.0	116	7.4	--	14.0	--
26...	1135	9	80513	80010	64.0	80.0	115	7.4	--	14.0	--
26...	1138	9	80513	80513	70.0	80.0	112	7.4	--	14.0	--
26...	1140	9	80513	80513	80.0	80.0	98	7.3	--	13.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)
MAY											
26...	1110	.70	8.3	98	752	--	--	--	0	--	--
26...	1112	--	8.1	--	--	--	--	--	--	--	--
26...	1114	--	8.1	--	--	--	--	--	--	--	--
26...	1116	--	7.3	--	--	--	--	--	--	--	--
26...	1120	--	7.0	--	--	18	17	1.0	--	51	26
26...	1122	--	6.5	--	--	--	--	--	--	--	--
26...	1124	--	6.3	--	--	--	--	--	--	--	--
26...	1126	--	6.7	--	--	--	--	--	--	--	--
26...	1128	--	6.9	--	--	--	--	--	--	--	--
26...	1130	--	6.7	--	--	--	--	--	--	--	--
26...	1132	--	5.7	--	--	--	--	--	--	--	--
26...	1135	--	5.6	--	--	40	45	1.4	--	45	20
26...	1138	--	5.5	--	--	--	--	--	--	--	--
26...	1140	--	3.4	--	--	--	--	--	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
MAY											
26...	1120	26	11	5.6	25	8.0	1.0	.100	.100	.080	.12
26...	1135	20	10	4.9	25	8.0	1.0	.300	.300	.090	.11

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY											
26...	1111	--	--	--	.020	.06	.020	--	--	2.60	<.100
26...	1120	.20	.30	1.3	.020	.06	.010	470	20	--	--
26...	1135	.20	.50	2.2	.030	.09	.030	880	90	--	--

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
JUN								
22...	1415	9	80513	80513	.00	60.0	134	8.3
22...	1416	9	80513	80513	10.0	60.0	134	8.2
22...	1418	9	80513	80513	11.0	60.0	134	8.2
22...	1420	9	80513	80513	13.0	60.0	134	8.2
22...	1422	9	80513	80513	15.0	60.0	136	7.9
22...	1424	9	80513	80513	18.0	60.0	140	7.6
22...	1426	9	80513	80513	20.0	60.0	162	7.4
22...	1428	9	80513	80513	21.0	60.0	162	7.4
22...	1430	9	80513	80513	25.0	60.0	162	7.4
22...	1432	9	80513	80513	30.0	60.0	164	7.4
22...	1434	9	80513	80513	35.0	60.0	142	7.4
22...	1436	9	80513	80513	40.0	60.0	144	7.4
22...	1438	9	80513	80513	45.0	60.0	160	7.2
22...	1439	9	80513	80513	50.0	60.0	162	7.2
22...	1440	9	80513	80513	60.0	60.0	170	7.0

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUN							
22...	1415	28.5	75.6	1.90	7.8	101	760
22...	1416	27.5	--	--	7.9	--	--
22...	1418	25.5	--	--	7.5	--	--
22...	1420	24.5	--	--	8.7	--	--
22...	1422	23.5	--	--	8.7	--	--
22...	1424	22.5	--	--	8.3	--	--
22...	1426	21.5	--	--	3.5	--	--
22...	1428	20.5	--	--	3.5	--	--
22...	1430	19.5	--	--	2.4	--	--
22...	1432	18.5	--	--	2.3	--	--
22...	1434	17.5	--	--	3.3	--	--
22...	1436	16.5	--	--	2.7	--	--
22...	1438	15.5	--	--	1.5	--	--
22...	1439	15.0	--	--	1.2	--	--
22...	1440	14.5	--	--	.2	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JUL										
28...	1245	9	80513	80513	.00	38.0	200	8.0	31.0	50.4
28...	1246	9	80513	80010	3.00	38.0	200	8.0	30.0	--
28...	1248	9	80513	80513	6.00	38.0	200	7.9	29.0	--
28...	1250	9	80513	80513	10.0	38.0	200	7.5	28.5	--
28...	1252	9	80513	80513	13.0	38.0	200	7.2	27.5	--
28...	1254	9	80513	80513	15.0	38.0	220	7.1	26.5	--
28...	1256	9	80513	80513	18.0	38.0	220	7.1	25.5	--
28...	1258	9	80513	80513	20.0	38.0	240	7.1	25.0	--
28...	1300	9	80513	80513	25.0	38.0	240	7.1	24.0	--
28...	1302	9	80513	80513	30.0	38.0	260	7.1	23.0	--
28...	1304	9	80513	80513	35.0	38.0	280	7.2	22.0	--
28...	1305	9	80513	80513	38.0	38.0	280	7.2	21.0	--

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)
JUL									
28...	1245	1.30	7.0	94	762	--	--	--	--
28...	1246	--	7.0	--	--	.010	<.010	2.20	<.100
28...	1248	--	6.0	--	--	--	--	--	--
28...	1250	--	4.0	--	--	--	--	--	--
28...	1252	--	1.6	--	--	--	--	--	--
28...	1254	--	.5	--	--	--	--	--	--
28...	1256	--	.2	--	--	--	--	--	--
28...	1258	--	.2	--	--	--	--	--	--
28...	1300	--	.1	--	--	--	--	--	--
28...	1302	--	.0	--	--	--	--	--	--
28...	1304	--	.0	--	--	--	--	--	--
28...	1305	--	.0	--	--	--	--	--	--

DATE	TIME	MEDIUM	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)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
AUG											
24...	1110	9	80513	80513	.00	34.0	215	8.6	33.0	29.5	82.8
24...	1111	9	80513	80010	3.00	34.0	--	--	--	--	--
24...	1115	9	80513	80010	7.00	34.0	215	8.6	--	29.0	--
24...	1116	9	80513	80513	10.0	34.0	215	8.6	--	28.5	--
24...	1118	9	80513	80513	15.0	34.0	225	8.0	--	27.5	--
24...	1120	9	80513	80513	20.0	34.0	260	7.7	--	26.5	--
24...	1122	9	80513	80513	23.0	34.0	265	7.6	--	25.5	--
24...	1125	9	80513	80010	27.0	34.0	275	7.5	--	24.5	--
24...	1126	9	80513	80513	30.0	34.0	280	7.5	--	23.5	--
24...	1128	9	80513	80513	32.0	34.0	280	7.5	--	22.5	--
24...	1130	9	80513	80513	34.0	34.0	280	7.5	--	21.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)
AUG											
24...	1110	2.10	7.6	101	757	--	--	--	0	--	--
24...	1115	--	7.8	--	--	1	1.5	1.3	--	94	0
24...	1116	--	7.7	--	--	--	--	--	--	--	--
24...	1118	--	.4	--	--	--	--	--	--	--	--
24...	1120	--	.0	--	--	--	--	--	--	--	--
24...	1122	--	.0	--	--	--	--	--	--	--	--
24...	1125	--	.0	--	--	2	7.8	1.0	--	120	0
24...	1126	--	.0	--	--	--	--	--	--	--	--
24...	1128	--	.0	--	--	--	--	--	--	--	--
24...	1130	--	.0	--	--	--	--	--	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	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)
AUG										
24...	1115	0	21	52	10	98	8.0	2.2	<.100	.050
24...	1125	0	25	62	14	130	7.0	2.5	<.100	.040

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG										
24...	1111	--	--	--	--	--	--	--	3.50	<.100
24...	1115	.45	.50	.370	1.1	<.010	90	20	--	--
24...	1125	.76	.80	.340	1.0	<.010	740	1600	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
SEP										
21...	1400	9	80513	80513	.00	32.0	230	8.2	23.0	19.2
21...	1401	9	80513	80010	3.00	32.0	230	8.1	23.0	--
21...	1402	9	80513	80513	20.0	32.0	230	8.1	23.0	--
21...	1404	9	80513	80513	30.0	32.0	230	8.1	23.0	--
21...	1405	9	80513	80513	32.0	32.0	230	8.1	23.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	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										
21...	1400	.50	6.4	75	759	--	--	--	--	--
21...	1401	--	6.3	--	--	.050	.15	<.010	5.50	1.20
21...	1402	--	6.3	--	--	--	--	--	--	--
21...	1404	--	6.2	--	--	--	--	--	--	--
21...	1405	--	6.2	--	--	--	--	--	--	--

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 upstream from Brewer Bay, 4.5 mi west of Piedmont, and at mile 257.4.

DRAINAGE AREA.--898 mi^2.

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

REMARKS.--Flow completely regulated by Clearwater Reservoir.

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 20...	1300	0	80513	80513	1900	233	7.4	18.0	9.4

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV 22...	1515	0	80513	80513	375	245	8.3	11.0	10.9

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC 16...	0900	0	80513	80513	3530	100	7.0	.0	11.0	11.7

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
DEC 16...	0900	107	757	75	50	.7	49	57	17	17

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC 16...	0900	11	28	7.1	40	7.0	4.0	.200	.200	.140

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
DEC 16...	0900	.46	.60	.80	3.5	.070	.21	.060	1600	100

07062010 BLACK RIVER AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
05...	1100	0	80513	80513	3400	108	7.4	8.5	12.2

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
FEB 08...	1240	0	80513	80513	3760	118	7.4	4.0	13.6

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
MAR 21...	1310	0	80513	80513	475	245	8.6	9.5	11.3

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
APR 19...	1340	9	80513	80513	3100	155	7.8	11.0	11.3

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
MAY 26...	1030	9	80513	80010	3780	115	7.5	24.5	16.0	10.0

DATE	TIME	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	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)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)
MAY 26...	1030	103	753	45	36	1.4	5	48	28	28

DATE	TIME	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	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)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
MAY 26...	1030	9.5	5.8	20	7.0	1.0	.200	.200	.090	.11

07062010 BLACK RIVER AT CLEARWATER DAM, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
MAY 26...	1030	.20	.40	1.8	.030	.09	.040	1100	50

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 22...	1330	9	80513	80513	1780	152	7.1	18.0	8.5

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL 28...	1220	9	80513	80513	1490	221	7.2	26.5	7.0

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG 24...	1040	9	80513	80010	147	254	7.4	30.5	26.0	6.2

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)
AUG 24...	1040	77	757	1	15	1.4	K11	110	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
AUG 24...	1040	0	25	62	12	120	7.0	2.8	<.100

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
AUG 24...	1040	.140	.56	.70	.060	.18	.010	830	1800

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 21...	1330	9	80513	80513	141	230	8.3	23.0	7.6

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 east of Corning, 11.9 mi downstream from Cane Creek, and at mile 152.2.

DRAINAGE AREA.--1,749 mi^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 downstream are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 272.90 ft 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 downstream at present datum.

REMARKS.--Records good. Some regulation since June 3, 1948, by Clearwater Lake (Missouri), 105 mi upstream, capacity, 413,700 acre-ft.

AVERAGE DISCHARGE.--45 years, 1,802 ft^3/s, 1,306,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 48,600 ft^3/s June 13, 1945; maximum gage height, 16.92 ft June 13, 1945; minimum discharge, 224 ft^3/s Sept. 22-27, 1941; minimum gage height observed, -0.52 ft Sept. 26, 1941.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 18, 1927, reached a stage of 14.4 ft, from records of Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum dicharge, 23,400 ft^3/s Dec. 7, gage height, 14.82 ft; minimum, 337 ft^3/s Sept. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1410	1680	3020	7950	3860	2010	1150	3640	4070	1970	1420	397
2	1450	1540	2750	6120	3940	1670	1060	5290	4130	1940	1350	383
3	1470	1360	2600	5120	4020	1390	1350	9470	4260	1910	1180	359
4	1500	1190	3360	4610	4050	1200	1690	12600	4490	1870	1030	343
5	1530	1070	11000	4370	3960	1130	1730	11700	4870	1770	917	339
6	1570	951	19900	4240	3860	1200	1780	9150	5000	1560	797	360
7	1600	841	22300	4140	3830	1360	2180	6600	4540	1390	716	402
8	1630	775	18300	4070	3850	1460	2830	5030	3970	1380	698	440
9	1640	744	12200	4010	3880	1420	3520	4180	3510	1440	654	476
10	1830	734	8660	3980	3900	1310	4050	3770	3190	1470	591	517
11	2260	738	6230	3960	3910	1230	4120	3780	2990	1460	528	547
12	2310	752	4970	3940	3910	1210	3910	4060	2830	1370	509	558
13	2040	752	4280	3910	3900	1240	3670	4270	2710	1270	608	555
14	1720	752	3840	3390	3890	1260	3790	4370	2610	1270	600	561
15	1500	754	3520	3870	3880	1210	5260	4350	2540	1320	536	572
16	1390	746	3310	3830	3870	1150	6440	4340	2470	1380	498	575
17	1360	738	3210	3790	3860	1100	5660	4380	2400	1410	474	579
18	1420	712	3230	3760	3840	1060	4570	4240	2340	1410	460	555
19	1500	642	3350	3760	3850	1020	3800	4040	2290	1330	445	495
20	1570	604	3460	3750	3840	1020	3300	3880	2240	1230	414	435
21	1620	624	3460	3790	3810	1020	3050	3890	2200	1270	388	399
22	1660	640	3390	3830	3740	1030	3000	4020	2150	1340	373	392
23	1690	654	3340	3840	3580	1030	3170	4200	2110	1390	383	389
24	1710	658	3660	3830	3350	1020	3410	4340	2080	1410	397	380
25	1730	702	8500	3680	3140	999	3520	4390	2050	1400	390	371
26	1740	756	15000	3780	2910	992	3390	4260	2020	1310	372	367
27	1740	912	19200	3750	2650	1130	3150	4030	2010	1210	358	363
28	1740	1400	20100	3740	2350	1490	2930	3890	2000	1240	355	362
29	1750	2260	17500	3750	---	1630	2810	3850	2000	1330	354	360
30	1740	2930	13100	3770	---	1550	2990	3920	1990	1380	366	354
31	1730	---	10200	3790	---	1370	---	4000	---	1410	387	---
TOTAL	51550	29611	260940	128120	103430	38911	97280	157930	88060	44840	18548	13185
MEAN	1663	987	8417	4133	3694	1255	3243	5095	2935	1446	598	440
MAX	2310	2930	22300	7950	4050	2010	6440	12600	5000	1970	1420	579
MIN	1360	604	2600	3390	2350	992	1060	3640	1990	1210	354	339
AC-FT	102200	58730	517600	254100	205200	77180	193000	313300	174700	88940	36790	26150

CAL YR 1982 TOTAL 934536 MEAN 2560 MAX 22300 MIN 324 AC-FT 1854000
WTR YR 1983 TOTAL 1032405 MEAN 2829 MAX 22300 MIN 339 AC-FT 2048000

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV 16...	0830	0	9827	9827	746	7.8	-1.0	8.0	7.0	10.5	88
DEC 14...	0830	0	9827	9827	3910	6.9	4.0	4.0	65	--	--
JAN 25...	0830	0	9827	9827	3800	7.5	4.0	4.0	30	11.5	88
FEB 22...	0830	0	9827	9827	3750	7.9	11.0	9.0	9.2	10.7	--
MAR 15...	1700	0	9827	9827	1200	8.0	20.0	13.0	15	11.3	--
APR 19...	0830	0	9827	9827	3890	7.2	6.0	11.0	35	10.0	--
MAY 17...	0830	0	9827	9827	4410	7.2	17.0	17.0	45	7.2	--
JUN 14...	1510	0	9827	9827	2600	7.4	21.0	22.0	25	7.1	--
JUL 19...	1600	0	9827	9827	1300	7.7	36.0	29.0	20	8.9	--
AUG 16...	1600	0	9827	9827	495	7.9	37.0	29.0	45	7.8	--
SEP 20...	1225	0	9827	9827	432	8.0	17.0	24.0	35	8.0	--

DATE	TIME	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)
NOV 16...	0830	--	2.0	16	130	--	4.0	157	.21	10
DEC 14...	0830	10	1.8	>600	50	8.0	2.5	111	.15	13
JAN 25...	0830	--	2.1	36	66	8.0	4.5	100	.14	22
FEB 22...	0830	--	2.8	56	80	11	2.5	97	.13	12
MAR 15...	1700	--	2.2	52	120	8.0	6.0	142	.19	20
APR 19...	0830	--	2.6	68	--	8.0	4.0	102	.14	14
MAY 17...	0830	--	2.7	100	--	7.0	3.5	98	.13	30
JUN 14...	1510	--	2.5	48	--	--	3.5	102	.14	25
JUL 19...	1600	--	3.4	--	--	8.0	6.5	128	.17	30
AUG 16...	1600	--	2.0	>600	--	10	4.0	159	.22	89
SEP 20...	1225	--	3.0	150	--	7.0	5.0	149	.20	50

07064000 BLACK RIVER NEAR CORNING, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)
NOV 16...	0830	.110	.020	--	.030	--	10	11	10	--
DEC 14...	0830	--	.070	.100	.080	<1	3	21	--	50
JAN 25...	0830	.130	.050	.100	.050	<1	<1	--	--	--
FEB 22...	0830	.050	.030	--	.020	<1	7	52	--	30
MAR 15...	1700	--	.070	.070	.020	<1	10	33	--	40
APR 19...	0830	--	.010	.110	.020	<1	<1	17	--	0
MAY 17...	0830	.230	.050	.120	.040	<1	1	19	--	10
JUN 14...	1510	.200	.060	.080	.010	<1	<1	9	--	--
JUL 19...	1600	--	.080	.090	.010	<1	<1	--	--	10
AUG 16...	1600	.200	.060	.120	.010	<1	6	10	--	--
SEP 20...	1225	.050	--	.070	.010	<1	<1	18	--	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)
DEC 14...	0830	.0	.000	.000	.000	.000	.000	.00	.00	.0

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 northeast of Pocahontas.

DRAINAGE AREA.--2,606 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV 16...	0900	0	9827	9827	1440	8.0	1.0	8.0	2.4	11.3
DEC 14...	0900	0	9827	9827	12200	7.3	3.0	5.0	45	10.5
JAN 25...	0910	0	9827	9827	3170	8.0	4.0	7.0	4.0	11.3
FEB 22...	0915	0	9827	9827	2280	8.2	11.0	12.0	3.2	10.6
MAR 15...	1630	0	9827	9827	3070	8.0	22.0	15.0	2.5	10.5
APR 19...	0900	0	9827	9827	11200	7.7	7.0	11.0	25	9.5
MAY 17...	0900	0	9827	9827	6500	7.7	18.0	17.0	30	9.0
JUN 14...	1030	0	9827	9827	3140	8.0	21.0	23.0	35	7.9
JUL 19...	1520	0	9827	9827	1760	8.0	36.0	28.0	4.5	8.6
AUG 16...	1530	0	9827	9827	1440	8.1	35.0	27.0	5.0	8.5
SEP 20...	1530	0	9827	9827	1300	8.1	21.0	23.0	6.2	8.5

DATE	TIME	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)
NOV 16...	0900	95	1.4	12	180	--	4.0	192	.26	2
DEC 14...	0900	82	1.5	50	84	5.0	2.5	114	.16	14
JAN 25...	0910	93	2.0	20	140	4.0	4.0	152	.21	8
FEB 22...	0915	--	1.2	8	160	5.0	3.5	161	.22	4
MAR 15...	1630	--	1.1	20	160	4.0	6.0	166	.23	6
APR 19...	0900	--	1.6	68	--	4.0	3.0	146	.20	30
MAY 17...	0900	--	1.8	220	--	6.0	3.0	124	.17	31
JUN 14...	1030	--	1.7	24	--	--	4.0	156	.21	39
JUL 19...	1520	--	2.1	--	--	5.0	5.5	173	.24	7
AUG 16...	1530	--	1.5	20	--	7.0	5.0	186	.25	12
SEP 20...	1530	--	2.3	1100	--	3.0	4.0	175	.24	14

07068850 CURRENT RIVER NEAR POCAHONTAS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
NOV 16...	0900	.170	.020	--	.020	--	7	10	70	--
DEC 14...	0900	--	.070	.070	.080	<1	2	<10	0	.0
JAN 25...	0910	.410	.030	.020	.050	<1	<1	--	--	--
FEB 22...	0915	.200	.010	--	.050	<1	5	48	30	--
MAR 15...	1630	--	.070	.010	<.010	<1	4	<10	20	--
APR 19...	0900	--	.010	.080	.010	<1	<1	12	0	--
MAY 17...	0900	.280	.040	.060	.020	<1	<1	26	20	--
JUN 14...	1030	.300	.040	.070	.010	<1	<1	<10	--	--
JUL 19...	1520	--	.110	.030	<.010	<1	<1	--	10	--
AUG 16...	1530	.090	.060	.030	<.010	<1	2	<10	--	--
SEP 20...	1530	.120	--	.010	<.010	<1	<1	<10	0	--

DATE	TIME	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)
DEC 14...	0900	.000	.000	.000	.000	.000	.00	.00	.0

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 downstream from Fourche Creek, 6.1 mi downstream from Current River, 18.1 mi upstream from Spring River, and at mile 90.1.

DRAINAGE AREA.--4,845 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV 16...	0930	0	9827	9827	2090	8.0	2.0	8.0	5.0	10.8
DEC 14...	0930	0	9827	9827	21500	7.4	4.0	4.0	7.8	10.4
JAN 25...	0930	0	9827	9827	7060	7.8	4.0	5.0	15	11.9
FEB 22...	0935	0	9827	9827	6100	7.9	10.0	10.0	15	9.6
MAR 15...	1600	0	9827	9827	4350	7.9	22.0	14.0	9.0	10.4
APR 19...	0925	0	9827	9827	14500	7.8	7.0	11.0	30	9.3
MAY 17...	0930	0	9827	9827	12800	7.5	18.0	17.0	30	6.9
JUN 14...	1400	0	9827	9827	6180	7.7	20.0	22.0	25	6.9
JUL 19...	1510	0	9827	9827	3040	7.9	36.0	28.0	25	8.0
AUG 16...	1500	0	9827	9827	1980	8.1	36.0	28.0	15	8.4
SEP 20...	1500	0	9827	9827	1780	8.1	21.0	24.0	25	7.7

DATE	TIME	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)
NOV 16...	0930	--	1.5	12	170	--	5.0	176	.24	7
DEC 14...	0930	79	1.5	40	70	5.0	3.0	119	.16	56
JAN 25...	0930	93	1.0	28	100	6.0	3.5	123	.17	10
FEB 22...	0935	--	1.4	4	110	6.0	2.5	124	.17	9
MAR 15...	1600	--	2.3	<4	150	5.0	5.5	157	.21	14
APR 19...	0925	--	1.4	44	--	3.0	3.5	136	.19	17
MAY 17...	0930	--	2.3	190	--	6.0	3.5	111	.15	27
JUN 14...	1400	--	1.9	28	--	--	4.0	124	.17	32
JUL 19...	1510	--	2.6	--	--	7.0	5.0	156	.21	40
AUG 16...	1500	--	2.0	60	--	6.0	4.0	176	.24	28
SEP 20...	1500	--	1.6	1100	--	4.0	4.0	176	.24	39

07069000 BLACK RIVER AT POCAHONTAS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
NOV									
16...	0930	.140	.030	--	.010	--	4	<10	10
DEC									
14...	0930	--	.060	.140	.080	<1	3	<10	40
JAN									
25...	0930	.220	.030	.030	.030	<1	<1	--	--
FEB									
22...	0935	.090	.010	--	.030	<1	6	33	30
MAR									
15...	1600	--	.070	.030	.010	<1	1	<10	20
APR									
19...	0925	--	.010	.090	.010	<1	<1	24	0
MAY									
17...	0930	.220	.070	.110	.030	<1	<1	15	0
JUN									
14...	1400	.280	.060	.080	.020	<1	<1	13	--
JUL									
19...	1510	--	.100	.070	.010	<1	<1	--	10
AUG									
16...	1500	.060	.040	.050	.010	<1	<1	<10	--
SEP									
20...	1500	.140	--	.050	<.010	<1	1	10	10

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 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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 689 ft^3/s Dec. 3, 1982, gage height, 5.10 ft; minimum, 182 ft^3/s Dec. 17-21, 28-31, 1981, Jan. 1-2, 1982, gage height, 3.74 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 689 ft^3/s Dec. 3, gage height, 5.10 ft; minimum, 205 ft^3/s Nov. 21, 22, gage height, 3.85 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	233	219	309	498	404	353	346	441	435	350	305	277
2	233	219	310	494	404	352	364	445	432	345	305	277
3	233	219	638	490	404	350	385	464	431	345	305	275
4	233	219	643	488	404	345	392	466	431	345	305	275
5	230	219	612	485	404	353	396	468	431	340	303	270
6	230	219	582	483	404	375	403	466	431	340	302	270
7	230	219	562	480	404	386	407	464	431	335	302	270
8	230	218	548	476	404	390	412	464	431	335	302	270
9	230	216	537	472	404	391	414	464	428	330	302	270
10	228	216	529	468	404	393	416	462	427	330	302	270
11	228	216	521	466	399	393	416	460	427	325	302	275
12	226	216	515	462	393	393	413	458	424	325	302	275
13	226	216	508	459	390	393	421	456	421	325	302	275
14	225	212	500	456	389	390	456	456	420	325	302	270
15	223	210	494	454	386	390	462	456	420	325	302	270
16	223	207	488	451	382	389	464	456	420	325	302	270
17	223	207	483	447	382	386	464	452	418	325	298	270
18	223	207	478	444	379	382	464	448	409	319	290	270
19	223	207	475	442	378	379	463	447	404	318	286	270
20	221	207	469	439	375	376	460	447	404	318	286	270
21	221	207	464	435	372	372	458	447	397	318	286	270
22	221	207	461	431	368	368	456	447	393	318	286	270
23	220	213	456	427	368	368	455	447	393	318	286	270
24	221	216	481	422	364	368	452	447	393	318	285	270
25	219	216	517	417	364	364	449	447	389	318	283	270
26	219	217	507	412	362	359	445	442	386	318	283	270
27	219	254	507	408	357	357	443	439	386	309	283	270
28	218	307	514	408	357	356	443	439	372	305	283	275
29	220	318	510	408	---	353	442	439	364	305	283	275
30	221	316	505	408	---	350	439	435	355	305	280	280
31	221	---	502	406	---	348	---	435	---	305	277	---
TOTAL	6971	6759	15625	13936	10805	11522	12900	14004	12303	10062	9120	8159
MEAN	225	225	504	450	386	372	430	452	410	325	294	272
MAX	233	318	643	498	404	393	464	468	435	350	305	280
MIN	218	207	309	406	357	345	346	435	355	305	277	270
AC-FT	13830	13410	30990	27640	21430	22850	25590	27780	24400	19960	18090	16180

CAL YR 1982 TOTAL 116903 MEAN 320 MAX 643 MIN 182 AC-FT 231900
WTR YR 1983 TOTAL 132166 MEAN 362 MAX 643 MIN 207 AC-FT 262200

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 upstream from South Fork Spring River, and 2.2 mi 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV 16...	1135	0	9827	9827	290	8.2	7.0	8.0	2.0	12.3
DEC 14...	1145	0	9827	9827	1130	7.9	4.0	8.0	30	11.1
JAN 25...	1200	0	9827	9827	710	8.2	5.0	9.0	1.8	11.9
FEB 22...	1200	0	9827	9827	580	8.3	11.0	14.0	3.5	10.0
MAR 15...	1900	0	9827	9827	630	8.3	18.0	15.0	3.0	11.9
APR 19...	1145	0	9827	9827	--	8.3	7.0	12.0	6.5	11.7
MAY 17...	1200	0	9827	9827	--	8.2	18.0	16.0	4.4	10.4
JUN 14...	1140	0	9827	9827	1690	8.2	21.0	20.0	3.8	7.9
JUL 19...	1215	0	9827	9827	400	8.1	28.0	23.0	4.4	7.4
AUG 16...	1230	0	9827	9827	422	8.1	34.0	23.0	4.0	8.6
SEP 20...	1745	0	9827	9827	300	8.1	14.0	20.0	9.5	8.5

DATE	TIME	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)
NOV 16...	1135	103	1.5	8	260	--	4.0	264	.36	1
DEC 14...	1145	93	1.4	80	200	4.0	2.0	213	.29	8
JAN 25...	1200	102	.7	10	230	3.0	5.0	231	.31	4
FEB 22...	1200	--	.9	24	240	4.0	3.0	235	.32	6
MAR 15...	1900	--	1.7	52	230	4.0	6.0	245	.33	8
APR 19...	1145	--	.9	110	--	1.0	4.0	241	.33	14
MAY 17...	1200	--	2.0	92	--	4.0	4.0	227	.31	14
JUN 14...	1140	--	2.0	44	--	--	5.0	245	.33	20
JUL 19...	1215	--	1.5	--	--	6.0	5.5	247	.34	8
AUG 16...	1230	--	2.1	24	--	5.0	4.0	242	.33	7
SEP 20...	1745	--	3.9	56	--	2.0	3.5	240	.33	30

07069266 SPRING RIVER NEAR HARDY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
NOV									
16...	1135	.280	.030	--	.010	--	1	<10	10
DEC									
14...	1145	--	.040	.030	.080	<1	<1	<10	20
JAN									
25...	1200	1.00	.030	.010	.050	<1	<1	--	--
FEB									
22...	1200	.700	.010	--	.050	<1	10	<10	20
MAR									
15...	1900	--	.060	.020	.010	<1	3	99	90
APR									
19...	1145	--	.010	.040	<.010	<1	<1	15	0
MAY									
17...	1200	.520	.030	.020	.010	<1	<1	72	0
JUN									
14...	1140	.670	.050	.020	.010	<1	<1	29	--
JUL									
19...	1215	--	.120	.040	.010	<1	<1	--	20
AUG									
16...	1230	.520	.070	.030	<.010	<1	<1	<10	--
SEP									
20...	1745	.500	--	.030	<.010	<1	<1	<10	0

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 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV 16...	1230	0	9827	9827	29	7.9	8.0	8.0	2.0	11.6
DEC 14...	1300	0	9827	9827	365	7.8	4.0	6.0	6.0	12.1
JAN 25...	1300	0	9827	9827	108	8.2	7.0	5.0	1.7	13.7
FEB 22...	1300	0	9827	9827	96	8.2	12.0	13.0	1.8	10.6
MAR 15...	1130	0	9827	9827	186	8.1	21.0	14.0	1.5	12.6
APR 19...	1230	0	9827	9827	345	8.2	9.0	12.0	4.5	11.9
MAY 17...	1300	0	9827	9827	288	8.2	19.0	18.0	4.0	10.4
JUN 14...	0530	0	9827	9827	117	8.0	14.0	21.0	4.4	6.8
JUL 19...	0600	0	9827	9827	30	7.9	24.0	26.0	2.8	5.5
AUG 17...	0530	0	9827	9827	--	7.8	21.0	26.0	3.2	5.9
SEP 20...	0530	0	9827	9827	70	--	--	--	--	--
20...	1140	0	9827	9827	9.0	7.9	26.0	24.0	4.0	7.6

DATE	TIME	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)
NOV 16...	1230	97	2.2	12	250	--	6.0	245	.33	1
DEC 14...	1300	97	2.3	70	180	5.0	4.5	194	.26	4
JAN 25...	1300	107	1.3	<4	210	4.0	5.5	208	.28	2
FEB 22...	1300	--	1.7	4	200	5.0	3.0	202	.27	2
MAR 15...	1130	--	2.4	34	180	3.0	6.5	179	.24	2
APR 19...	1230	--	2.4	44	--	1.0	4.0	185	.25	6
MAY 17...	1300	--	4.2	110	--	4.0	4.0	169	.23	7
JUN 14...	0530	--	1.1	190	--	--	6.0	221	.30	8
JUL 19...	0600	--	.8	--	--	6.0	5.5	220	.30	8
AUG 17...	0530	--	.6	160	--	6.0	5.0	235	.32	5
SEP 20...	1140	--	1.9	26	--	4.0	4.5	208	.28	6

07069295 SOUTH FORK SPRING RIVER AT SADDLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
NOV									
16...	1230	.040	.040	--	.010	--	1	13	20
DEC									
14...	1300	--	.040	.010	.060	<1	<1	<10	20
JAN									
25...	1300	.600	.010	<.010	.020	<1	<1	--	--
FEB									
22...	1300	.360	.010	--	.030	<1	6	83	60
MAR									
15...	1130	--	.070	.010	<.010	<1	4	<10	0
APR									
19...	1230	--	<.010	.030	<.010	<1	<1	47	20
MAY									
17...	1300	.130	.020	.010	.010	<1	<1	16	20
JUN									
14...	0530	.350	.080	.010	<.010	<1	<1	37	--
JUL									
19...	0600	--	.110	.030	.010	<1	<1	--	20
AUG									
17...	0530	.030	.070	.030	<.010	<1	<1	19	--
SEP									
20...	1140	.070	--	.020	<.010	<1	<1	52	40

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 upstream from Starling Creek, and 0.5 mi 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV 16...	1110	0	9827	9827	387	8.2	7.0	8.0	2.2	11.9
DEC 14...	1115	0	9827	9827	1940	7.9	5.0	6.0	30	11.6
JAN 25...	1115	0	9827	9827	1200	8.3	5.0	8.0	2.4	12.2
FEB 22...	1130	0	9827	9827	993	8.4	11.0	13.0	1.8	10.0
MAR 15...	1815	0	9827	9827	1240	8.2	19.0	15.0	3.0	11.1
APR 19...	1100	0	9827	9827	2070	8.2	6.0	12.0	6.5	10.5
MAY 17...	1115	0	9827	9827	2020	8.2	18.0	17.0	5.2	9.4
JUN 14...	1230	0	9827	9827	944	8.2	21.0	23.0	4.4	7.2
JUL 19...	1300	0	9827	9827	592	8.2	30.0	27.0	3.6	7.6
AUG 16...	1315	0	9827	9827	470	8.2	34.0	28.0	4.4	9.0
SEP 20...	1300	0	9827	9827	420	8.2	26.0	24.0	5.0	7.9

DATE	TIME	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)
NOV 16...	1110	100	3.0	4	260	--	4.5	259	.35	2
DEC 14...	1115	93	1.5	160	200	3.0	3.0	212	.29	8
JAN 25...	1115	102	1.6	12	230	3.0	4.5	231	.31	4
FEB 22...	1130	--	1.1	<4	230	4.0	3.5	232	.32	4
MAR 15...	1815	--	1.9	4	230	3.0	5.5	228	.31	6
APR 19...	1100	--	2.7	28	--	2.0	4.0	232	.32	13
MAY 17...	1115	--	3.9	--	--	5.0	3.5	208	.28	20
JUN 14...	1230	--	2.7	36	--	--	5.0	242	.33	16
JUL 19...	1300	--	3.5	--	--	6.0	5.5	246	.33	10
AUG 16...	1315	--	2.2	80	--	6.0	3.5	236	.32	8
SEP 20...	1300	--	2.5	80	--	4.0	3.5	236	.32	10

07069370 SPRING RIVER AT RAVENDEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
NOV 16...	1110	.090	.020	--	.010	--	5	<10	10
DEC 14...	1115	--	.040	.020	.070	<1	<1	13	10
JAN 25...	1115	.730	.020	.010	.030	<1	<1	--	--
FEB 22...	1130	.460	.010	--	.040	<1	5	31	20
MAR 15...	1815	--	.060	.010	<.010	<1	4	23	20
APR 19...	1100	--	.010	.040	<.010	<1	<1	<10	0
MAY 17...	1115	.320	.020	.030	.010	<1	<1	<10	0
JUN 14...	1230	.480	.050	.020	.010	<1	<1	29	--
JUL 19...	1300	--	.080	.040	<.010	<1	<1	--	30
AUG 16...	1315	.220	.060	.020	<.010	<1	1	<10	--
SEP 20...	1300	.270	--	.010	<.010	<1	<1	28	40

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 uptream from Harding Creek, 3.9 mi downstream from Janes Creek, 8.2 mi upstream from Eleven Point River, and at mile 12.1.

DRAINAGE AREA.--1,183 mi^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 National Geodetic Vertical Datum of 1929. Prior to July 17, 1937, nonrecording gage at site 200 ft downstream at present datum. July 17, 1937, to Feb. 8, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--47 years, 1,356 ft^3/s, 15.57 in/yr, 982,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 244,000 ft^3/s Dec. 3, 1982, gage height, 38.12 ft from floodmarks, from rating curve extended above 78,000 ft^3/s, on basis of contracted opening and flow-over-road measurement of peak flow; minimum daily, 215 ft^3/s Aug. 1, 1936.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1915 reached a stage of about 32.1 ft, from information by Corps of Engineers, discharge, about 125,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 9,000 ft^3/s and maximim (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 3	1700	*244,000	[b]38.12
Dec. 24	1830	53,600	25.61
May 3	0600	13,300	17.66

b from floodmarks.

Minimum discharge, 357 ft^3/s Oct. 6, gage height, 2.55 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	378	391	1290	2940	1300	888	1050	3720	1250	724	520	423
2	376	411	1130	2650	1760	878	1420	3990	1210	706	498	413
3	367	422	112000	2390	1840	867	2530	11400	1280	688	506	408
4	372	405	67600	2190	1640	863	2170	5720	1940	673	492	404
5	364	396	17200	2070	1530	1600	2140	3750	1780	705	486	404
6	1250	394	8980	1970	1490	2790	2400	3020	1420	677	492	401
7	955	394	5350	1870	1430	2270	2380	2660	1250	656	513	409
8	503	393	4170	1780	1390	1920	2630	2430	1170	638	496	564
9	947	390	3310	1720	1350	1700	2430	2150	1110	625	491	575
10	669	390	2850	1660	1300	1560	2120	1980	1060	614	481	499
11	513	389	2600	1600	1260	1470	1910	1870	1020	602	480	459
12	470	411	2300	1520	1220	1380	1780	1940	993	591	526	443
13	447	396	2080	1480	1180	1330	1750	1830	966	562	492	489
14	424	391	1910	1450	1150	1290	5190	1730	968	565	475	435
15	412	387	1840	1400	1130	1240	4710	2420	1120	566	473	420
16	403	385	1730	1360	1110	1200	2870	2510	1010	563	470	418
17	402	387	1630	1330	1080	1160	2430	2020	946	583	466	416
18	404	400	1570	1310	1060	1120	2250	2320	907	562	463	412
19	403	397	1520	1260	1040	1090	2060	4150	880	558	458	409
20	411	395	1450	1240	1020	1100	1910	3070	858	533	449	422
21	398	391	1420	1280	1000	1070	1790	2450	834	534	445	413
22	395	392	1380	1270	993	1030	1790	2210	812	522	441	402
23	391	795	1440	1230	985	997	2210	1980	790	509	439	399
24	389	583	22600	1210	970	974	2200	1750	839	505	438	397
25	388	510	22200	1200	956	953	1910	1700	802	498	434	395
26	387	805	9220	1180	925	963	1760	1600	874	502	431	401
27	377	3330	6780	1160	907	1120	1670	1510	815	496	425	400
28	375	3940	10100	1140	898	1090	1600	1460	785	502	427	397
29	417	2260	5450	1150	---	1040	1540	1410	760	511	426	392
30	406	1600	4020	1170	---	1030	5210	1340	744	613	420	387
31	397	---	3360	1150	---	1020	---	1290	---	560	419	---
TOTAL	14790	22530	330480	48330	33914	39003	69810	83380	31193	18143	14472	12806
MEAN	477	751	10660	1559	1211	1258	2327	2690	1040	585	467	427
MAX	1250	3940	112000	2940	1840	2790	5210	11400	1940	724	526	575
MIN	364	385	1130	1140	898	863	1050	1290	744	496	419	387
CFSM	.40	.64	9.01	1.32	1.02	1.06	1.97	2.27	.88	.50	.40	.36
IN.	.47	.71	10.39	1.52	1.07	1.23	2.20	2.62	.98	.57	.46	.40
AC-FT	29340	44690	655500	95860	67270	77360	138500	165400	61870	35990	28710	25400

CAL YR 1982	TOTAL	715669	MEAN	1961	MAX	112000	MIN 350	CFSM 1.66	IN 22.50	AC-FT	1420000	
WTR YR 1983	TOTAL	718851	MEAN	1969	MAX	112000	MIN 364	CFSM 1.66	IN 22.60	AC-FT	1426000	

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 downstream from Hincha Creek, 1.9 mi upstream from Eassis Creek, 6.6 mi northeast of Ravenden Springs, and at mile 21.2.

DRAINAGE AREA.--1,134 mi^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 National Geodetic Vertical Datum of 1929. Prior to Nov. 21, 1938, nonrecording gage at present site at datum 0.04 ft higher. Nov. 21 to Dec. 11, 1938, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--52 years, 1,117 ft^3/s, 13.38 in/yr, 809,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft^3/s Dec. 3, 1982, gage height, 29.06 ft from floodmarks, from rating curve extended above 23,000 ft^3/s, on basis of contracted opening and flow-over-road measurement of peak flow; minimum observed, 226 ft^3/s Sept. 9, 1936, gage height, 2.13 ft, present datum.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 6,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 3	1700	*162,000	[b]29.06
Dec. 24	2145	38,500	21.20
May 3	0345	6,500	11.30

b from floodmarks.

Minimum discharge, 384 ft^3/s Nov. 15, 16, 17, 22, gage height, 2.84 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	453	405	1170	2850	1150	894	936	2700	1310	857	688	520
2	448	418	1060	2610	1230	885	1110	2790	1280	821	688	520
3	448	414	53500	2410	1260	883	1330	5210	1340	815	688	520
4	448	406	25000	2240	1230	882	1350	3570	1660	860	663	520
5	443	402	12000	2120	1190	993	1610	2930	1350	899	650	520
6	1170	399	7500	2020	1200	1290	1590	2610	1270	841	646	520
7	499	398	5300	1940	1180	1370	1550	2440	1220	818	783	520
8	451	395	3900	1850	1130	1340	1750	2310	1200	811	803	520
9	850	394	3300	1780	1120	1280	1720	2150	1170	810	690	520
10	526	394	2950	1730	1120	1220	1620	2030	1130	808	660	520
11	477	394	2750	1670	1100	1160	1540	1940	1130	799	660	520
12	458	410	2460	1590	1070	1120	1470	1950	1120	774	695	520
13	448	400	2280	1540	1050	1090	1520	1870	1060	755	660	520
14	440	391	2180	1500	1040	1050	2950	1800	1080	749	640	520
15	432	388	2070	1450	1030	1060	3160	2130	1120	737	640	520
16	426	384	1940	1410	1020	1030	2480	1940	1070	749	635	520
17	424	386	1850	1380	1010	992	2180	1800	1040	887	635	520
18	420	394	1780	1340	994	992	2020	1910	1010	748	610	520
19	419	395	1730	1300	986	986	1890	2270	981	748	575	520
20	424	395	1650	1280	978	989	1780	2080	983	748	575	520
21	414	390	1590	1290	961	947	1680	1970	976	664	575	520
22	409	409	1540	1270	961	930	1640	1900	961	660	575	520
23	405	492	1590	1240	954	925	1700	1820	939	684	575	470
24	402	475	13900	1220	946	894	1630	1670	932	664	575	470
25	399	468	19300	1200	934	875	1550	1510	907	676	575	470
26	399	705	8170	1150	919	886	1500	1560	910	681	520	520
27	397	1660	5400	1120	907	989	1450	1510	899	688	520	470
28	399	2270	6340	1120	900	943	1420	1480	887	698	520	470
29	423	1620	4420	1130	---	926	1380	1390	882	723	520	470
30	411	1330	3590	1120	---	920	2020	1310	876	698	520	470
31	409	---	3150	1120	---	915	---	1300	---	688	520	---
TOTAL	14571	17781	205360	48990	29570	31656	51526	65850	32693	23558	19279	15250
MEAN	470	593	6625	1580	1056	1021	1718	2124	1090	760	622	508
MAX	1170	2270	53500	2850	1260	1370	3160	5210	1660	899	803	520
MIN	397	384	1060	1120	900	875	936	1300	876	660	520	470
CFSM	.41	.52	5.84	1.39	.93	.90	1.52	1.87	.96	.67	.55	.45
IN.	.48	.58	6.74	1.61	.97	1.04	1.69	2.16	1.07	.77	.63	.50
AC-FT	28900	35270	407300	97170	58650	62790	102200	130600	64850	46730	38240	30250

CAL YR 1982	TOTAL	540522	MEAN	1481	MAX	53500	MIN 329	CFSM 1.31	IN 17.73	AC-FT	1072000	
WTR YR 1983	TOTAL	556084	MEAN	1524	MAX	53500	MIN 384	CFSM 1.34	IN 18.24	AC-FT	1103000	

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 west of Pocahontas.

DRAINAGE AREA.--1,192 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV 16...	1000	0	9827	9827	403	8.1	2.0	7.0	2.2	11.8
DEC 14...	1000	0	9827	9827	2290	7.7	4.0	4.0	35	11.0
JAN 25...	1000	0	9827	9827	1260	8.4	4.0	8.0	2.2	11.4
FEB 22...	1000	0	9827	9827	1010	8.2	10.0	13.0	1.8	10.0
MAR 15...	1530	0	9827	9827	1110	8.1	22.0	15.0	25	10.8
APR 19...	0945	0	9827	9827	1980	8.0	7.0	12.0	8.5	9.9
MAY 17...	1000	0	9827	9827	1890	8.0	18.0	16.0	6.4	9.2
JUN 14...	1345	0	9827	9827	1130	8.1	21.0	20.0	5.3	8.0
JUL 19...	1445	0	9827	9827	785	8.1	35.0	24.0	6.2	8.1
AUG 16...	1430	0	9827	9827	667	8.1	36.0	25.0	4.0	9.3
SEP 20...	1430	0	9827	9827	546	8.1	22.0	22.0	5.0	8.4

DATE	TIME	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)
NOV 16...	1000	97	2.4	16	220	--	3.0	230	.31	2
DEC 14...	1000	84	1.2	120	140	4.0	2.5	149	.20	24
JAN 25...	1000	96	1.0	14	180	2.0	3.5	199	.27	3
FEB 22...	1000	--	1.2	12	190	4.0	3.0	191	.26	5
MAR 15...	1530	--	1.4	8	190	2.0	4.5	199	.27	10
APR 19...	0945	--	1.5	32	--	2.0	3.0	190	.26	22
MAY 17...	1000	--	1.3	100	--	3.0	3.0	174	.24	29
JUN 14...	1345	--	1.2	56	--	--	4.0	198	.27	16
JUL 19...	1445	--	1.4	--	--	3.0	5.0	200	.27	10
AUG 16...	1430	--	2.2	72	--	4.0	3.5	218	.30	10
SEP 20...	1430	--	1.5	620	--	3.0	3.5	207	.28	17

07072100 ELEVEN POINT RIVER NEAR POCAHONTAS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
NOV										
16...	1000	.210	.030	--	.010	--	8	<10	0	--
DEC										
14...	1000	--	.040	.030	.060	<1	1	<10	20	.0
JAN										
25...	1000	.650	.020	.010	.050	<1	<1	--	--	--
FEB										
22...	1000	.560	.010	--	.040	<1	5	41	20	--
MAR										
15...	1530	--	.060	.030	<.010	<1	4	15	20	--
APR										
19...	0945	--	.010	.050	<.010	<1	<1	10	0	--
MAY										
17...	1000	.430	.020	.030	.010	<1	1	<10	10	--
JUN										
14...	1345	.550	.050	.010	<.010	<1	<1	10	--	--
JUL										
19...	1445	--	.110	.030	<.010	<1	<1	--	0	--
AUG										
16...	1430	.390	.030	.020	<.010	<1	<1	10	--	--
SEP										
20...	1430	.340	--	.010	.010	<1	<1	<10	20	--

DATE	TIME	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)
DEC									
14...	1000	.000	.000	.000	.000	.000	.00	.00	.0

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 downsteam from St. Louis-San Francisco Railway bridge at Black Rock, 3.7 mi downstream from Spring River, and at mile 69.3.

DRAINAGE AREA.--7,369 mi^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 National Geodetic Vertical Datum of 1929. Prior to Aug. 1, 1946, nonrecording gage at site 900 ft upstream at same datum. Aug. 1, 1946, to Aug. 17, 1978, nonrecording gage at site 650 ft upstream at same datum.

REMARKS.--Records good except those for period of no gage-height record, Dec. 4-5 wich are fair. Flow slightly regulated since June 3, 1948, by Clearwater Lake (Missouri), 189 mi upstream, capacity, 413,700 acre-ft.

AVERAGE DISCHARGE.--46 years, 8,409 ft^3/s, 6,092,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 190,000 ft^3/s Dec. 4, 1982, gage height, 31.51 ft, from floodmarks, from rating curve extended above 105,000 ft^3/s; minimum daily discharge, 1,730 ft^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, from records of National Weather Service, discharge, 160,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 190,000 ft^3/s Dec. 4, gage height, 31.51 ft, from floodmark, from rating curve extended as explained above; minimum daily, 2,780 ft^3/s Sept. 7, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3780	4340	14200	47900	9580	7900	6670	18300	11000	6040	4060	2840
2	3700	4380	14200	43300	10200	7740	7370	19500	10600	5890	4030	2840
3	3710	4310	14100	38400	10700	7570	8920	33900	10400	5790	4020	2830
4	3810	4330	61000	33900	10700	7410	10400	47900	10800	5670	3980	2820
5	3800	4290	123000	30100	10500	7790	11100	47500	11300	5700	3910	2800
6	4300	4260	81000	26900	10400	9730	13500	45100	11000	5650	3870	2790
7	7090	4230	78000	24400	10300	9850	14200	42200	10500	5540	3920	2780
8	5840	4280	74800	22500	10200	9420	14500	39400	10200	5430	3960	2860
9	5160	4120	69200	20900	10000	9200	15100	35800	9900	5280	3750	2950
10	5850	3960	62400	19600	9880	9100	15100	32200	9730	5100	3570	2930
11	5560	3870	54900	18300	9730	9230	14700	28500	9560	4940	3460	2910
12	5200	3690	47700	17000	9530	8630	14200	25800	9390	4770	3410	2950
13	5310	3580	40900	15800	9360	8220	13900	23700	9160	4710	3420	2980
14	5100	3480	35700	14600	9210	7870	15800	22100	8900	4690	3310	2950
15	4940	3430	31200	13500	9070	7590	19300	21000	8860	4630	3250	2920
16	4810	3430	27300	12600	8970	7260	19100	20500	8630	4550	3230	2910
17	4650	3360	24400	11900	8850	7060	19100	19500	8330	4930	3190	2920
18	4530	3360	22300	11400	8730	6820	19600	19100	8010	4900	3140	2920
19	4550	3360	20700	10800	8660	6680	20100	20200	7740	4600	3100	2920
20	4440	3440	19200	10400	8560	6510	19700	20000	7510	4490	3070	2940
21	4280	3440	17800	10300	8480	6430	19300	19200	7300	4410	3060	2950
22	4190	3380	16400	10200	8440	5930	18800	18700	7100	4310	3040	2920
23	4210	3820	15000	10100	8430	5790	18500	17900	6910	4200	2990	2880
24	4120	4100	20700	9960	8420	5630	18500	17000	6750	4130	2960	2850
25	4110	3980	59800	9880	8380	5510	17600	16100	6680	4100	2940	2820
26	4120	4150	52600	9710	8290	5430	16600	15200	6560	4090	2930	2820
27	4130	7570	45600	9640	8170	6030	15500	14200	6460	4110	2920	2820
28	4140	13100	54400	9500	8050	6330	14400	13300	6330	4130	2900	2820
29	4230	14100	58000	9430	---	6380	13500	12600	6220	4110	2900	2800
30	4240	14300	55800	9480	---	6340	14600	12000	6150	4140	2870	2780
31	4240	---	52200	9440	---	6610	---	11500	---	4110	2850	---
TOTAL	142140	149440	1364500	551840	259790	227990	459660	749900	257980	149140	104010	86220
MEAN	4585	4981	44020	17800	9278	7355	15320	24190	8599	4811	3355	2874
MAX	7090	14300	123000	47900	10700	9850	20100	47900	11300	6040	4060	2980
MIN	3700	3360	14100	9430	8050	5430	6670	11500	6150	4090	2850	2780
AC-FT	281900	296400	2706000	1095000	515300	452200	911700	1487000	511700	295800	206300	171000

CAL YR 1982 TOTAL 4163810 MEAN 11410 MAX 123000 MIN 2780 AC-FT 8259000
WTR YR 1983 TOTAL 4502610 MEAN 12340 MAX 123000 MIN 2780 AC-FT 8931000

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT 19...	1000	0	80513	80010	4250	294	8.0	15.5	8.7	87	762
DEC 15...	1400	0	80513	80010	29800	168	7.5	6.0	9.8	79	760
FEB 09...	0840	0	80513	80010	10000	259	8.0	5.0	12.0	95	757
APR 26...	1000	9	80513	80010	16700	241	8.3	15.0	8.8	88	757
JUN 22...	1700	9	80513	80010	16000	281	7.9	25.5	7.3	90	760
JUL 28...	1600	9	80513	80010	4150	310	8.2	29.0	7.6	99	761

DATE	TIME	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)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
OCT 19...	1000	1.8	79	150	150	0	0	31	17	2.4	3
DEC 15...	1400	2.0	100	890	81	3	3	17	9.4	1.2	3
FEB 09...	0840	1.6	21	230	130	0	0	26	15	1.7	3
APR 26...	1000	--	45	53	110	0	0	24	13	1.8	3
JUN 22...	1700	1.6	28	41	140	0	0	30	16	1.8	3
JUL 28...	1600	2.0	31	22	160	0	0	33	19	2.4	3

DATE	TIME	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)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRITE TOTAL (MG/L AS N) (00615)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)
OCT 19...	1000	.0	1.1	148	7.0	2.7	<.10	.200	.200	<.010	<.010
DEC 15...	1400	.0	2.0	78	5.0	2.5	<.10	.370	.360	.030	<.010
FEB 09...	0840	.0	1.1	130	6.0	2.5	<.10	.290	.270	.010	<.010
APR 26...	1000	.0	1.1	114	8.1	2.3	<.10	.200	.170	<.010	<.010
JUN 22...	1700	.0	1.2	144	6.1	2.7	.10	.300	.280	<.010	<.010
JUL 28...	1600	.0	1.4	164	5.4	2.8	<.10	.290	.210	.010	<.010

07072500 BLACK RIVER AT BLACK ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	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)
OCT 19...	1000	.200	.200	.040	.040	.05	2.1	.46	2.1	1.6	.50
DEC 15...	1400	.400	.360	.110	.090	.12	.29	.31	.40	.00	.40
FEB 09...	0840	.300	.270	.080	.050	.06	--	--	<.10	--	<.10
APR 26...	1000	.200	.170	.040	.050	.06	.26	.35	.30	.00	.40
JUN 22...	1700	.300	.280	.020	.030	.04	.18	.17	.20	.00	.20
JUL 28...	1600	.300	.210	.050	.060	.08	.35	.24	.40	.10	.30

DATE	TIME	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)	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)
OCT 19...	1000	2.3	10	.70	.060	.18	.110	420	1	20	1
DEC 15...	1400	.80	3.5	.76	.100	.31	.040	--	--	110	--
FEB 09...	0840	--	--	--	.040	.12	<.010	--	--	20	--
APR 26...	1000	.50	2.2	.57	.040	.12	.020	--	--	20	--
JUN 22...	1700	.50	2.2	.48	.040	.12	.050	--	--	10	--
JUL 28...	1600	.70	3.1	.51	.050	.15	.040	--	--	20	--

DATE	TIME	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)	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 19...	1000	<1	4	8	760	7	100	<.1	4	<1	30

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 upstream from bridge on U.S. Highway 167, 0.8 mi north of Evening Shade, and at mile 5.8.

DRAINAGE AREA.--99.2 mi^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 National Geodetic Vertical Datum of 1929. Prior to Oct. 5, 1945, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--44 years, 90.6 ft^3/s, 12.40 in/yr, 65,640 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 50,400 ft^3/s Dec. 3, 1982, gage height, 30.32 ft, from floodmarks, from rating curve extended above 11,000 ft^3/s on basis of contracted-opening and flow-over-road measurement of peak flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 3	unknown	*50,400	[b]30.32	Dec. 27	2030	3,270	10.74
Dec. 24	1945	8,770	17.92	May 3	0415	3,710	11.53

b from floodmarks.

Minimum, 1.7 ft^3/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	88	98	210	100	27	41	250	49	12	6.8	4.3
2	3.3	114	175	185	137	27	130	415	46	13	7.3	3.7
3	2.5	135	13200	157	105	27	148	2060	48	13	6.6	3.6
4	4.9	85	3880	142	83	27	112	461	148	12	6.4	3.2
5	4.6	94	2180	130	75	257	192	300	62	13	6.2	3.0
6	330	106	768	117	75	195	192	243	49	11	6.2	2.4
7	80	107	300	110	69	142	162	203	42	10	6.6	2.9
8	13	116	226	100	64	117	188	175	39	8.8	7.1	2.9
9	76	126	210	91	61	98	169	151	36	8.3	7.2	8.3
10	14	132	202	85	59	87	142	135	33	8.0	7.0	5.8
11	9.0	137	210	75	55	77	127	125	32	7.6	7.2	4.3
12	9.5	150	166	67	51	70	117	132	31	7.3	15	4.0
13	9.3	146	137	67	48	67	120	117	28	6.2	8.5	8.5
14	11	141	243	64	46	62	192	107	31	5.8	7.2	4.5
15	15	136	641	58	45	58	135	162	72	5.8	6.7	4.2
16	29	139	320	55	43	54	117	135	38	5.3	6.6	4.2
17	33	141	180	52	41	51	105	107	31	5.1	6.8	5.0
18	38	151	85	50	39	48	107	219	28	11	6.6	5.8
19	46	155	75	46	38	45	95	290	27	10	6.1	6.0
20	60	155	67	45	36	45	85	182	24	5.5	6.1	6.6
21	62	160	62	46	33	44	77	154	24	4.3	5.3	7.1
22	60	165	59	46	36	40	79	140	21	3.9	4.7	6.4
23	59	105	79	43	35	38	137	120	22	3.7	4.2	5.4
24	62	58	4840	41	33	36	182	105	31	3.5	5.2	4.7
25	65	54	1590	41	31	35	135	93	22	4.0	6.0	4.3
26	64	103	511	40	30	35	122	83	20	6.9	5.0	4.2
27	62	770	1210	38	29	41	107	74	18	5.9	4.7	3.9
28	63	600	1040	36	28	38	98	67	18	5.4	4.9	3.5
29	93	185	373	37	---	34	93	61	17	6.1	5.8	3.2
30	92	120	290	37	---	36	406	55	14	6.3	4.7	2.9
31	87	---	250	35	---	35	---	52	---	6.7	4.6	---
TOTAL	1560.1	4874	33667	2346	1525	1993	4112	6973	1101	235.4	199.3	138.8
MEAN	50.3	162	1086	75.7	54.5	64.3	137	225	36.7	7.59	6.43	4.63
MAX	330	770	13200	210	137	257	406	2060	148	13	15	8.5
MIN	2.5	54	59	35	28	27	41	52	14	3.5	4.2	2.4
CFSM	.51	1.63	10.9	.76	.55	.65	1.38	2.27	.37	.08	.07	.05
IN.	.59	1.83	12.62	.88	.57	.75	1.54	2.61	.41	.09	.07	.05
AC-FT	3090	9670	66780	4650	3020	3950	8160	13830	2180	467	395	275

CAL YR 1982	TOTAL	56433.9	MEAN 155	MAX	13200	MIN 2.5	CFSM 1.56	IN 21.16	AC-FT	111900
WTR YR 1983	TOTAL	58724.6	MEAN 161	MAX	13200	MIN 2.4	CFSM 1.62	IN 22.02	AC-FT	116500

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 left bank 120 ft upstream of bridge on State Highway 58, 0.5 mi downstream from Hurricane Creek, 2.5 mi northeast of Poughkeepsie, and at mile 35.9.

DRAINAGE AREA.--473 mi^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 National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark.) Prior to Dec. 10, 1938, nonrecording gage at present site and datum. Prior to Jan. 11, 1983, recording gage 120 ft downstream at present datum.

REMARKS.--Records good except those for period of no gage-height record, Dec. 2 to Jan. 10, which are fair.

AVERAGE DISCHARGE.--47 years, 502 ft^3/s, 14.41 in/yr, 363,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 158,000 ft^3/s Dec. 3, 1982, gage height, 35.9 ft, from floodmark, site then in use, from rating curve extended above 27,000 ft^3/s on basis of slope-area measurement of peak flow; minimum observed, 31 ft^3/s Oct. 4, 1938.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 7,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 3	1530	*158,000	[b]35.9
Dec. 24	Unknown	18,000	[b]19.79
May 3	0230	10,800	16.47

b from floodmarks.

Minimum discharge, 44 ft^3/s Oct. 1, 2, gage height, 1.28 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	70	516	710	360	180	279	1560	276	126	118	56
2	45	76	501	680	680	177	509	2330	264	123	94	54
3	46	79	42000	650	450	175	954	7560	328	122	86	52
4	59	80	7700	620	410	175	683	2510	725	119	81	51
5	53	73	4400	610	400	1190	819	1620	395	134	77	50
6	706	71	2500	550	390	1410	1020	1270	295	124	74	50
7	785	72	1500	500	370	915	890	1040	254	117	74	53
8	173	71	1000	480	360	721	1140	905	234	114	79	212
9	426	70	710	460	350	589	955	756	219	109	83	162
10	209	68	700	440	330	508	791	660	209	105	74	105
11	142	69	690	438	320	449	680	594	201	101	71	79
12	112	75	690	401	300	408	605	588	194	97	99	68
13	100	71	690	378	290	378	605	595	185	95	102	80
14	92	69	1000	361	270	353	1440	518	193	92	84	81
15	84	67	1900	348	260	332	1080	707	260	91	74	64
16	79	66	1400	339	250	313	789	989	217	92	70	63
17	80	70	1000	307	243	297	672	661	186	99	67	60
18	75	73	550	294	236	280	632	971	178	140	66	55
19	78	75	480	282	229	266	598	1970	169	134	63	54
20	78	72	460	272	223	264	532	1140	162	106	61	57
21	71	70	440	276	217	258	482	853	153	93	61	59
22	69	70	420	268	215	247	469	752	149	86	60	63
23	73	125	450	257	213	236	805	636	148	82	56	65
24	76	142	6300	252	207	227	1060	546	175	78	56	65
25	74	121	6000	247	201	220	782	483	159	75	57	66
26	65	455	2100	241	192	223	660	440	147	82	57	62
27	63	2700	2600	233	187	253	589	401	147	87	55	58
28	72	2800	4000	225	183	248	541	365	140	91	54	56
29	84	1120	2100	220	---	242	508	339	136	85	61	55
30	81	673	1100	215	---	232	1630	313	132	97	58	53
31	75	---	740	210	---	231	---	299	---	151	56	---
TOTAL	4270	9713	96637	11764	8336	11997	23199	34371	6630	3247	2228	2108
MEAN	138	324	3117	379	298	387	773	1109	221	105	71.9	70.3
MAX	785	2800	42000	710	680	1410	1630	7560	725	151	118	212
MIN	45	66	420	210	183	175	279	299	132	75	54	50
CFSM	.29	.69	6.59	.80	.63	.82	1.63	2.35	.47	.22	.15	.15
IN.	.34	.76	7.60	.93	.66	.94	1.82	2.70	.52	.26	.18	.17
AC-FT	8470	19270	191700	23330	16530	23800	46020	68170	13150	6440	4420	4180

CAL YR 1982 TOTAL 217380 MEAN 596 MAX 42000 MIN 45 CFSM 1.26 IN 17.10 AC-FT 431200
WTR YR 1983 TOTAL 214500 MEAN 588 MAX 42000 MIN 45 CFSM 1.24 IN 16.87 AC-FT 425500

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 upstream from Reeds Creek, and Cooper Creek, and 3.9 mi southwest of Smithville.

DRAINAGE AREA.--539 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV 16...	1040	0	9827	9827	75	8.0	5.0	6.0	3.2	11.5
DEC 14...	1045	0	9827	9827	1190	7.9	5.0	5.0	3.0	11.8
JAN 25...	1045	0	9827	9827	282	8.1	5.0	5.0	4.2	12.2
FEB 22...	1045	0	9827	9827	245	8.2	10.0	13.0	3.4	10.1
MAR 15...	1500	0	9827	9827	378	8.2	22.0	15.0	4.0	10.8
APR 19...	1030	0	9827	9827	682	8.1	7.0	11.0	7.5	10.3
MAY 17...	1045	0	9827	9827	754	8.0	18.0	18.0	20	8.9
JUN 14...	1300	0	9827	9827	220	8.1	20.0	24.0	5.0	7.0
JUL 19...	1400	0	9827	9827	153	8.2	32.0	29.0	7.8	8.1
AUG 16...	1400	0	9827	9827	80	8.1	36.0	29.0	8.0	8.7
SEP 20...	1345	0	9827	9827	65	8.0	24.0	25.0	9.2	7.0

DATE	TIME	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)
NOV 16...	1040	92	1.1	44	240	--	4.5	253	.34	4
DEC 14...	1045	92	.9	100	180	6.0	4.0	201	.27	18
JAN 25...	1045	95	.8	4	220	6.0	6.0	224	.30	10
FEB 22...	1045	--	.9	32	210	7.0	3.5	221	.30	7
MAR 15...	1500	--	1.1	36	200	6.0	6.0	205	.28	10
APR 19...	1030	--	.7	36	--	2.0	4.0	210	.29	16
MAY 17...	1045	--	2.0	72	--	6.0	4.5	174	.24	33
JUN 14...	1300	--	1.1	8	--	--	4.0	228	.31	20
JUL 19...	1400	--	1.5	--	--	6.0	5.0	224	.30	16
AUG 16...	1400	--	1.8	16	--	6.0	4.5	210	.29	22
SEP 20...	1345	--	.3	56	--	5.0	4.0	192	.26	20

07074100 STRAWBERRY RIVER NEAR SMITHVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
NOV									
16...	1040	.020	.030	--	.010	--	5	18	20
DEC									
14...	1045	--	.040	.020	.050	<1	1	40	60
JAN									
25...	1045	.600	.030	.010	.030	<1	<1	--	--
FEB									
22...	1045	.330	.010	--	.040	<1	7	52	40
MAR									
15...	1500	--	.080	.010	.010	<1	2	21	30
APR									
19...	1030	--	.010	.050	<.010	<1	<1	37	30
MAY									
17...	1045	.240	.040	.050	<.010	<1	<1	78	20
JUN									
14...	1300	.280	.050	.020	<.010	<1	<1	31	--
JUL									
19...	1400	--	.130	.040	.010	<1	<1	--	30
AUG									
16...	1400	.010	.050	.030	.010	<1	<1	30	--
SEP									
20...	1345	.090	--	.030	<.010	<1	<1	--	30

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 upstream from mouth, and 0.7 mi west of Jacksonport.

DRAINAGE AREA.--8,557 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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...	0805	0	9827	9827	7.9	14.0	21.0	35	8.3	--
NOV 10...	0740	0	9827	9827	8.0	13.0	12.0	5.0	10.4	96
MAR 16...	1550	0	9827	9827	7.9	25.0	14.0	20	11.0	--
JUN 21...	0950	0	9827	9827	7.8	28.0	26.0	30	8.0	--
JUL 26...	0730	0	9827	9827	8.1	30.0	30.0	25	8.7	--
AUG 23...	1530	0	9827	9827	8.3	38.0	31.0	20	9.4	--
SEP 26...	1535	0	9827	9827	--	30.0	26.0	8.0	12.4	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT 13...	0805	1.7	310	140	6.0	3.5	155	.21	55	--
NOV 10...	0740	1.4	4	170	20	4.0	174	.24	10	.120
MAR 16...	1550	1.1	16	160	6.0	6.0	179	.24	32	--
JUN 21...	0950	1.7	12	--	6.0	5.0	163	.22	62	.270
JUL 26...	0730	2.9	20	--	8.0	11	183	.25	42	.050
AUG 23...	1530	3.5	4	--	6.0	6.5	195	.27	34	.030
SEP 26...	1535	2.8	8	--	1.0	6.5	191	.26	18	.070

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT 13...	0805	.040	.070	.040	<1	2	<10	--	--
NOV 10...	0740	.040	.160	.070	<1	3	<10	--	--
MAR 16...	1550	.050	.060	.040	<1	3	14	--	.0
JUN 21...	0950	.230	.100	--	1	<1	23	--	--
JUL 26...	0730	.040	.060	.010	1	<1	12	20	--
AUG 23...	1530	<.010	.080	.010	<1	<1	26	50	--
SEP 26...	1535	<.010	.050	.010	1	1	11	0	.0

07074490 BLACK RIVER AT JACKSONPORT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)
MAR									
16...	1550	.000	.000	.000	.000	.000	.00	.00	.0
SEP									
26...	1535	.000	.000	.000	.000	.000	.00	.00	.0

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 downstream from bridge on U.S. Highway 67 at Newport, 7.2 mi downstream from Black River, and at mile 257.6.

DRAINAGE AREA.--19,860 mi^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 National Geodetic Vertical Datum of 1929. September 1927 to September 1931, nonrecording gage at site 2.8 mi downstream at datum 2.30 ft 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, since 1948 by Clearwater Lake (Missouri), capacity 413,700 acre-ft, since July 24, 1951, by Bull Shoals Lake, 149 mi upstream, capacity 5,408,000 acre-ft, since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft, and since Dec. 26, 1963, by Beaver Lake, capacity 1,951,500 acre-ft.

AVERAGE DISCHARGE.--50 years, 22,450 ft^3/s, 16,260,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 343,000 ft^3/s Apr. 17, 1945; maximum gage height observed, 35.9 ft Apr. 18, 1945; minimum discharge, 2,870 ft^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, from records of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 330,000 ft^3/s Dec. 5, gage height, 34.00 ft; minimum daily, 5,220 ft^3/s Sept. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6910	8390	32300	83700	48100	21400	19600	50900	26000	22300	15300	13300
2	6620	8760	29100	78700	48800	20100	20200	49900	24400	23000	12500	12200
3	8660	11600	33700	74200	49900	17900	23700	58500	22900	21500	12600	12100
4	8520	12200	81600	69200	49200	16700	34600	64400	23800	19600	15000	12500
5	7840	13000	264000	63700	49200	19500	36500	64200	25300	19100	15400	10500
6	9060	15100	289000	58400	49600	24300	38500	65000	26400	19100	15700	7600
7	14600	15100	183000	53600	49400	24400	40700	67900	25200	20400	14700	7370
8	17000	11800	130000	50200	48900	24100	41800	70100	23400	20600	11500	14200
9	14700	10400	110000	48200	48300	25000	42100	72000	24700	20100	8830	13100
10	11200	14200	102000	46600	47300	28000	42200	70900	25400	20400	8910	16400
11	9060	12300	95400	45300	45800	28400	41900	68800	26100	19600	10700	16400
12	7920	9520	88900	44400	44400	29000	41900	66500	26400	19300	12000	12900
13	7190	7230	81600	43800	43300	27000	41800	63100	25500	20100	12600	9790
14	8160	7060	74800	43700	42500	22400	42000	60300	25600	18800	10300	7760
15	9190	9870	69000	44100	42100	19200	46600	58200	25900	19100	8840	6900
16	8740	9270	64200	45300	40900	18700	44400	54100	26000	19200	7960	5890
17	8510	11500	61100	45400	39600	19500	39700	52100	25600	16300	9810	5820
18	8200	10300	59100	44900	39300	20100	35900	54400	24600	13400	14700	6500
19	7480	8930	58100	44800	39300	19600	33800	60100	22900	11700	16400	6950
20	7610	8150	56400	44700	38700	21500	36000	60300	21200	14500	16500	9920
21	7930	7100	55100	44900	32800	19900	39200	59800	20400	18900	16400	14400
22	7330	6340	54100	45200	29200	20800	40400	58200	20700	20400	13600	10900
23	7370	6810	53300	45300	28700	22900	41900	53200	19100	20700	11800	7760
24	7110	7700	55500	45400	27100	21400	46300	49900	19200	20100	13500	6110
25	6950	9060	66300	45400	26200	20100	46400	48200	20100	18800	11900	6320
26	6720	10800	74200	45300	25800	19200	44100	45000	20800	16100	14100	6120
27	6280	12300	85000	46500	26200	21100	44100	42000	20200	13300	16100	5660
28	6120	23500	91800	47900	25600	24600	44600	39100	20600	13900	18300	5220
29	8000	32600	89000	48700	---	23200	43600	35700	19700	16600	17300	6290
30	8220	34500	88600	49000	---	23300	44100	32600	20100	19500	15000	9960
31	7270	---	87200	48300	---	21500	---	29100	---	18600	15700	---
TOTAL	266470	365390	2763400	1584800	1126200	684800	1178600	1724500	698200	575000	413950	286840
MEAN	8596	12180	89140	51120	40220	22090	39290	55630	23270	18550	13350	9561
MAX	17000	34500	289000	83700	49900	29000	46600	72000	26400	23000	18300	16400
MIN	6120	6340	29100	43700	25600	16700	19600	29100	19100	11700	7960	5220
AC-FT	528500	724800	5481000	3143000	2234000	1358000	2338000	3421000	1385000	1141000	821100	568900

CAL YR 1982 TOTAL 8845190 MEAN 24230 MAX 289000 MIN 5570 AC-FT 17540000
WTR YR 1983 TOTAL 11668150 MEAN 31970 MAX 289000 MIN 5220 AC-FT 23140000

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
NOV 01...	1100	0	80513	80010	7960	304	8.2	16.0	6.4	9.7	99
DEC 06...	1700	0	80513	80010	296000	105	7.5	14.0	160	9.2	90
FEB 01...	1100	0	80513	80010	48500	266	8.2	7.5	13	11.8	100
MAR 31...	1030	0	80513	80010	21800	281	8.2	9.0	12	11.0	96
JUN 01...	1000	9	80513	80010	26100	263	8.1	19.5	24	7.6	83
JUL 29...	0940	9	80513	80010	16300	292	8.4	23.0	9.5	8.2	95
SEP 02...	1000	9	80513	80010	11800	302	8.4	22.0	12	8.4	96

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
NOV 01...	1100	760	21	5	150	0	0	34	15	3.2	4
DEC 06...	1700	755	1500	5500	49	1	1	14	3.4	.90	4
FEB 01...	1100	749	15	2100	130	4	4	32	13	2.5	4
MAR 31...	1030	757	46	120	140	5	5	34	14	2.7	4
JUN 01...	1000	760	37	11	--	--	--	--	--	--	--
JUL 29...	0940	765	23	44	150	2	2	35	15	2.0	3
SEP 02...	1000	760	25	15	160	11	11	40	14	3.3	4

DATE	TIME	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)	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)
NOV 01...	1100	.1	1.4	147	9.0	4.5	<.10	4.8	148	160	.20
DEC 06...	1700	.0	2.1	48	7.9	.90	<.10	5.3	78	63	.11
FEB 01...	1100	.0	1.8	130	10	4.1	<.10	3.7	134	150	.18
MAR 31...	1030	.1	1.6	138	8.5	4.2	<.10	4.8	161	150	.22
JUN 01...	1000	--	1.4	129	7.5	3.0	<.10	--	167	--	.23
JUL 29...	0940	.0	1.5	147	7.3	3.9	<.10	5.3	186	160	.25
SEP 02...	1000	.1	1.5	147	8.0	5.1	<.10	5.8	161	170	.22

07074500 WHITE RIVER AT NEWPORT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	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)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
NOV										
01...	1100	--	.170	--	.170	--	.060	.08	--	1.2
DEC										
06...	1700	.400	--	.400	--	.270	--	--	.53	.80
FEB										
01...	1100	--	.250	--	.250	--	.080	.10	--	.20
MAR										
31...	1030	--	.250	--	.250	--	.090	.12	--	.20
JUN										
01...	1000	--	.300	--	.300	--	.070	.09	--	.40
JUL										
29...	0940	--	.320	--	.320	--	.100	.13	--	.50
SEP										
02...	1000	--	.340	--	.340	--	.030	.04	--	.60

DATE	TIME	NITROGEN, TOTAL (MG/L AS N) (00600)	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)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)
NOV										
01...	1100	--	--	.010	.03	<.010	--	.010	--	--
DEC										
06...	1700	1.2	5.3	--	--	--	.230	--	110	--
FEB										
01...	1100	--	--	.050	.15	.010	--	<.010	--	10
MAR										
31...	1030	--	--	.030	.09	<.010	--	<.010	--	<10
JUN										
01...	1000	--	--	.060	.18	.030	--	.020	--	--
JUL										
29...	0940	--	--	.040	.12	.050	--	<.010	--	<10
SEP										
02...	1000	--	--	.070	.21	.080	--	<.010	--	<10

DATE	TIME	ARSENIC DISSOLVED (UG/L AS AS) (01000)	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)	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)
DEC										
06...	1700	--	--	--	2	--	<1	--	--	130
FEB										
01...	1100	1	40	<1	--	<1	--	--	<3	--
MAR										
31...	1030	1	44	<1	--	<1	--	<1	<3	--
JUL										
29...	0940	2	47	<.5	--	<1	--	<1	<3	--
SEP										
02...	1000	2	50	<.5	--	<1	--	<1	<3	--

DATE	TIME	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)
DEC										
06...	1700	--	--	20	--	--	--	--	--	--
FEB										
01...	1100	9	30	--	2	<4	7	<.1	<10	2
MAR										
31...	1030	6	11	--	2	<4	7	<.1	<10	4
JUL										
29...	0940	15	<3	--	3	<4	2	<.1	<10	4
SEP										
02...	1000	2	10	--	<1	<4	1	<.1	<10	1

07074500 WHITE RIVER AT NEWPORT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV										
01...	1100	--	--	--	--	--	--	21	451	72
DEC										
06...	1700	--	2	--	--	50	--	195	156000	99
FEB										
01...	1100	<1	--	<1	33	--	10	43	5630	67
MAR										
31...	1030	<1	--	<1	36	--	8	18	1060	79
JUN										
01...	1000	--	--	--	--	--	--	62	4370	91
JUL										
29...	0940	<1	--	<1	32	--	<3	46	2020	79
SEP										
02...	1000	<1	--	<1	38	--	3	38	1210	69

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 west of Augusta.

DRAINAGE AREA.--20,464 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
05...	1121	0	9827	9827	86	8.3	25.0	22.0	20	9.8
NOV										
16...	1135	0	9827	9827	9980	8.0	8.0	10.0	7.2	10.6
DEC										
07...	1120	0	9827	9827	245000	7.0	11.0	14.0	50	7.0
JAN										
04...	1200	0	9827	9827	71000	7.3	6.0	6.0	60	10.7
FEB										
08...	1215	0	9827	9827	52000	7.9	5.0	6.0	20	12.3
MAR										
08...	1210	0	9827	9827	23200	8.0	15.0	13.0	30	9.7
APR										
05...	1030	0	9827	9827	30200	7.8	11.0	11.0	45	10.4
MAY										
10...	1230	0	9827	9827	67000	7.7	24.0	19.0	45	8.6
31...	1235	0	9827	9827	34000	7.8	24.0	21.0	30	8.4
JUL										
12...	1115	0	9827	9827	18000	7.8	33.0	24.0	25	8.8
AUG										
02...	1330	0	9827	9827	16500	7.6	31.0	30.0	15	10.6
SEP										
06...	1100	0	9827	9827	13400	8.2	26.0	25.0	9.5	8.8

DATE	TIME	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										
05...	1121	111	2.1	24	160	8.0	--	--	--	34
NOV										
16...	1135	94	.7	4	160	5.0	7.0	186	.25	20
DEC										
07...	1120	67	2.1	200	52	6.0	3.0	168	.23	396
JAN										
04...	1200	86	.6	56	80	6.0	--	133	.18	30
FEB										
08...	1215	98	.8	8	130	9.0	5.0	155	.21	29
MAR										
08...	1210	92	1.4	400	130	6.0	5.0	138	.19	35
APR										
05...	1030	94	1.3	410	130	8.0	4.0	153	.21	67
MAY										
10...	1230	--	1.6	34	--	5.0	3.5	138	.19	36
31...	1235	--	1.9	24	--	--	5.0	154	.21	46
JUL										
12...	1115	--	1.5	12	--	8.0	6.5	166	.23	74
AUG										
02...	1330	--	2.7	40	--	9.0	7.0	163	.22	32
SEP										
06...	1100	--	1.7	12	--	6.0	7.0	173	.24	24

07074850 WHITE RIVER NEAR AUGUSTA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT										
05...	1121	.050	.070	.040	.010	--	3	19	130	--
NOV										
16...	1135	--	.030	.060	--	<1	--	11	40	--
DEC										
07...	1120	--	.080	.740	.100	<1	30	10	90	.0
JAN										
04...	1200	--	.070	.150	.090	<1	4	<10	0	--
FEB										
08...	1215	.270	.050	.050	.020	<1	2	17	--	--
MAR										
08...	1210	.240	.040	--	.030	<1	--	18	90	--
APR										
05...	1030	.300	.030	.130	.010	<1	1	<10	50	--
MAY										
10...	1230	.190	.060	.110	.020	<1	2	18	70	--
31...	1235	.210	.050	.100	.030	<1	<1	27	--	--
JUL										
12...	1115	.220	<.010	.080	<.010	<1	<1	19	70	--
AUG										
02...	1330	.290	.050	.050	.010	<1	3	18	50	--
SEP										
06...	1100	.250	.010	.040	.010	<1	5	31	100	--

DATE	TIME	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)
DEC									
07...	1120	.000	.000	.000	.000	.000	.00	.00	.0

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 south of Shirley, and at mile 124.4.

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT											
05...	0915	0	9827	9827	.40	7.3	20.0	22.0	3.2	8.7	99
NOV											
02...	0915	0	9827	9827	147	7.3	16.0	18.0	3.3	9.1	96
30...	0935	0	9827	9827	1120	6.9	15.0	10.0	15	10.5	93
JAN											
04...	0905	0	9827	9827	392	7.2	-5.0	5.0	8.0	12.3	96
FEB											
22...	0930	0	9827	9827	114	7.6	13.0	11.0	4.5	10.5	94
MAR											
08...	0900	0	9827	9827	810	7.5	6.0	10.0	15	10.6	94
APR											
05...	0930	0	9827	9827	1060	7.1	14.0	11.0	15	10.4	94
MAY											
03...	0900	0	9827	9827	9130	7.1	13.0	14.0	60	9.5	--
31...	0850	0	9827	9827	199	7.3	17.0	20.0	4.5	8.2	--
JUN											
28...	0950	0	9827	9827	930	6.9	24.0	23.0	100	7.7	--
AUG											
02...	0900	0	9827	9827	13	7.1	26.0	30.0	3.3	8.3	--
SEP											
06...	0915	0	9827	9827	1.2	7.2	26.0	27.0	6.5	7.7	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT										
05...	0915	2.6	100	36	4.0	11	--	--	5	.010
NOV										
02...	0915	1.1	--	40	6.0	4.5	49	.07	<1	.010
30...	0935	1.1	190	42	10	3.0	77	.10	8	.280
JAN										
04...	0905	.3	8	30	8.0	3.5	55	.07	4	--
FEB										
22...	0930	.3	<4	36	7.0	2.0	56	.08	2	.030
MAR										
08...	0900	.7	110	40	6.0	2.5	48	.07	2	.090
APR										
05...	0930	.4	58	34	7.0	2.5	54	.07	8	.100
MAY										
03...	0900	1.5	>600	--	7.0	3.0	62	.08	86	.070
31...	0850	1.0	8	--	3.0	3.0	58	.08	5	.030
JUN										
28...	0950	3.0	--	--	6.0	3.5	88	.12	82	.130
AUG										
02...	0900	2.5	4	--	4.0	4.0	62	.08	4	.020
SEP										
06...	0915	3.8	140	--	8.0	3.0	65	.09	8	--

07074990 MIDDLE FORK LITTLE RED RIVER NEAR SHIRLEY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT										
05...	0915	.060	.030	<.010	<5	2	<1	10	<5	50
NOV										
02...	0915	.010	.010	.010	--	3	9	23	--	50
30...	0935	.020	.050	.030	--	1	--	<10	--	50
JAN										
04...	0905	.040	.050	.040	<5	--	2	<10	<5	--
FEB										
22...	0930	.010	.040	.020	--	3	<1	31	--	80
MAR										
08...	0900	.020	--	.040	--	2	2	15	--	50
APR										
05...	0930	.060	.060	.010	<5	1	<1	--	<5	40
MAY										
03...	0900	.020	.210	.040	--	--	4	14	--	30
31...	0850	.040	<.010	.010	--	--	<1	18	--	--
JUN										
28...	0950	.130	.260	.050	--	2	<1	14	--	50
AUG										
02...	0900	.030	.020	<.010	<5	1	2	10	<5	40
SEP										
06...	0915	.050	.040	<.010	--	1	<1	19	--	50

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)
OCT										
05...	0915	.0	.000	.000	.000	.000	.000	.00	.00	.0
JAN										
04...	0905	.0	.000	.000	.000	.000	.000	.00	.00	.0

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 downstream from Sugar Camp (or Weavers) Creek, 1.0 mi east of Shirley, and at mile 122.0.

DRAINAGE AREA.--302 mi^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 National Geodetic Vertical Datum of 1929. Prior to June 6, 1939, nonrecording gage at site 70 ft upstream at same datum.

REMARKS.--Records good except those for period of no gage-height record, Dec. 3-23, which are fair.

AVERAGE DISCHARGE.--44 years, 467 ft^3/s, 21.00 in/yr, 338,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 241,000 ft^3/s Dec. 3, 1982, gage height, 37.53 ft, from floodmarks, from rating curve extended above 60,000 ft^3/s on the basis of slope area and flow-over-road measurement of peak flow; 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 and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 28	0015	13,600	17.42	Apr. 30	1315	13,800	17.49
Dec. 3	Unknown	*241,000	[b]37.53	June 27	1300	7,800	14.50
Dec. 25	0530	7,080	14.10	June 29	1400	8,360	14.81
Apr. 14	0030	20,700	19.96				

b from floodmarks.

Minimum daily discharge, 0.35 ft^3/s Oct. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.80	149	779	664	1270	101	312	3820	172	962	13	4.1
2	.60	149	1750	548	1670	99	3660	3380	150	631	12	3.5
3	.60	312	75000	464	1010	97	2430	7400	133	467	10	2.9
4	.56	239	11000	384	700	105	1330	2470	116	359	7.7	2.1
5	.35	169	5700	346	560	2330	1220	1450	104	315	5.5	1.6
6	3.4	134	2500	303	492	1410	1620	1020	90	388	4.7	1.2
7	10	113	1700	272	428	1090	1190	790	81	272	13	5.5
8	81	99	1000	254	364	785	950	628	66	200	5.3	8.4
9	120	84	700	251	332	596	775	498	59	157	2.8	7.4
10	154	78	800	245	306	480	640	409	51	125	2.3	5.9
11	185	79	1200	222	281	388	508	350	46	101	5.1	4.5
12	122	89	1000	199	254	322	428	313	44	81	8.2	3.6
13	92	81	750	180	227	287	3040	287	40	68	9.3	3.6
14	77	79	600	169	211	263	9550	296	308	59	8.7	3.8
15	65	77	550	162	199	236	1920	609	973	55	7.6	3.6
16	62	77	450	149	188	213	1200	705	473	51	9.6	3.5
17	57	76	350	139	174	194	890	508	295	43	14	2.7
18	56	77	300	132	164	177	760	1520	214	38	13	1.9
19	57	79	280	125	154	159	656	2540	161	35	12	1.4
20	65	82	250	120	147	152	544	1260	126	33	10	1.2
21	56	82	230	115	142	147	464	890	97	28	9.9	1.2
22	67	123	210	115	137	142	452	713	80	23	8.6	.81
23	68	538	230	117	132	125	2360	572	63	18	7.8	.57
24	75	480	1860	115	129	115	2840	529	56	14	8.1	.44
25	68	293	4940	115	125	105	1420	410	55	9.9	8.1	.70
26	64	868	2200	113	117	108	1000	323	56	9.2	7.2	1.1
27	61	8410	1870	122	110	219	775	270	2060	7.6	5.8	1.4
28	61	9230	3420	142	105	325	632	295	1040	6.0	4.9	1.7
29	84	1940	1650	147	---	257	560	277	3420	11	4.1	1.6
30	174	1130	1120	147	---	239	6740	221	1930	16	2.8	2.0
31	183	---	835	159	---	257	---	190	---	11	3.2	---
TOTAL	2170.31	25416	125224	6735	10128	11523	50866	34943	12559	4593.7	244.3	83.92
MEAN	70.0	847	4039	217	362	372	1696	1127	419	148	7.88	2.80
MAX	185	9230	75000	664	1670	2330	9550	7400	3420	962	14	8.4
MIN	.35	76	210	113	105	97	312	190	40	6.0	2.3	.44
CFSM	.23	2.81	13.4	.72	1.20	1.23	5.62	3.73	1.39	.49	.03	.009
IN.	.27	3.13	15.42	.83	1.25	1.42	6.27	4.30	1.55	.57	.03	.01
AC-FT	4300	50410	248400	13360	20090	22860	100900	69310	24910	9110	485	166

CAL YR 1982	TOTAL 266773.11	MEAN 731	MAX 75000	MIN .35	CFSM 2.42	IN 32.86	AC-FT 529100		
WTR YR 1983	TOTAL 284486.23	MEAN 779	MAX 75000	MIN .35	CFSM 2.58	IN 35.04	AC-FT 564300		

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 upstream from Archey Creek, and at mile 23.7.

DRAINAGE AREA.--148 mi^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 National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1966, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--22 years, 239 ft^3/s, 21.93 in/yr, 173,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 67,900 ft^3/s Dec. 3, 1982, gage height, 34.27 ft, from floodmarks, from rating curve extended above 24,000 ft^3/s on the basis of slope area and flow-over-road measurement of peak flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 27	2315	8,270	16.67	Apr. 13	2345	10,900	18.17
Dec. 3	1100	*67,900	[b]34.27	May 3	0300	9,790	17.55

b from floodmarks.

Minimum daily discharge, 0.13 ft^3/s Oct. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.26	61	514	433	400	74	218	1270	99	327	11	1.4
2	.13	97	930	358	748	73	1290	2440	86	209	9.2	1.0
3	.26	254	41600	292	560	73	840	5200	78	158	8.4	.70
4	.65	164	5080	255	439	85	588	1420	70	117	7.6	.50
5	.78	124	1700	218	376	1180	644	925	63	109	5.7	.40
6	2.8	101	980	194	337	772	768	688	56	104	5.4	.40
7	13	84	720	172	290	648	608	544	50	79	5.1	1.0
8	25	71	536	168	250	499	493	439	44	65	4.8	1.0
9	56	61	418	184	227	406	421	350	40	56	3.0	.90
10	172	52	403	166	207	342	350	292	38	49	3.3	.90
11	93	45	688	140	189	290	295	247	33	41	2.8	.90
12	66	43	608	125	169	250	255	227	30	36	2.2	.70
13	51	41	466	110	156	218	2220	203	27	32	1.8	.60
14	40	41	436	110	145	200	3450	242	102	29	1.4	.50
15	32	37	376	110	137	181	1080	592	137	26	1.0	.40
16	27	33	300	105	130	165	732	466	96	24	.80	.30
17	24	30	250	100	119	150	564	360	69	22	.60	.20
18	22	30	220	95	112	137	490	1760	56	20	.50	.20
19	20	31	194	90	104	125	400	1880	46	17	.50	.20
20	21	34	170	88	100	121	345	910	40	15	.70	.40
21	20	37	148	85	96	115	297	676	38	13	2.4	.50
22	19	64	137	85	95	104	305	540	34	12	5.4	.30
23	18	731	184	80	95	97	1720	451	31	11	8.0	.30
24	17	406	640	80	95	90	1360	379	29	9.6	10	.30
25	17	264	1820	82	92	85	830	290	28	8.8	4.5	.30
26	17	554	1550	80	86	89	628	230	26	19	1.5	.30
27	17	4590	995	81	81	192	490	191	81	18	.50	.50
28	18	3290	1460	80	78	202	409	165	103	13	.40	.60
29	28	1070	940	80	---	180	350	145	1020	21	.30	.60
30	64	691	684	85	---	178	1360	121	652	20	.30	.60
31	71	---	524	102	---	196	---	110	---	12	3.9	---
TOTAL	972.88	13131	65671	4433	5913	7517	23800	23753	3302	1692.4	113.00	16.90
MEAN	31.4	438	2118	143	211	242	793	766	110	54.6	3.65	.56
MAX	172	4590	41600	433	748	1180	3450	5200	1020	327	11	1.4
MIN	.13	30	137	80	78	73	218	110	26	8.8	.30	.20
CFSM	.21	2.96	14.3	.97	1.43	1.64	5.36	5.18	.74	.37	.03	.004
IN.	.24	3.30	16.51	1.11	1.49	1.89	5.98	5.97	.83	.43	.03	.00
AC-FT	1930	26050	130300	8790	11730	14910	47210	47110	6550	3360	224	34

CAL YR 1982 TOTAL 150013.85 MEAN 411 MAX 41600 MIN .13 CFSM 2.78 IN 37.71 AC-FT 297600
WTR YR 1983 TOTAL 150315.18 MEAN 412 MAX 41600 MIN .13 CFSM 2.78 IN 37.78 AC-FT 298100

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 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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											
05...	0840	0	9827	9827	--	--	--	7.1	22.0	17.0	--
NOV											
02...	0850	0	9827	9827	--	--	--	6.9	16.0	18.0	--
DEC											
13...	1445	0	80513	80513	.00	160	--	--	5.5	--	--
13...	1446	0	80513	80010	3.00	160	--	--	--	--	--
13...	1450	0	80513	80010	32.0	160	31	6.8	--	12.0	75
13...	1455	0	80513	80010	128	160	54	6.7	--	9.5	10
JAN											
04...	0830	0	9827	9827	--	--	--	6.5	-4.0	9.0	--
FEB											
22...	0900	0	9827	9827	--	--	--	7.1	12.0	9.0	--
MAR											
08...	0830	0	9827	9827	--	--	--	7.1	6.0	10.0	--
APR											
05...	0900	0	9827	9827	--	--	--	6.7	14.0	10.0	--
MAY											
03...	0840	0	9827	9827	--	--	--	6.9	14.0	15.0	--
23...	1530	9	80513	80513	.00	140	--	--	22.0	--	--
23...	1531	9	80513	80010	3.00	140	--	--	--	--	--
23...	1535	9	80513	80010	28.0	140	41	7.1	--	16.0	18
23...	1540	9	80513	80010	112	140	44	6.4	--	9.5	30
31...	0820	0	9827	9827	--	--	--	7.0	14.0	21.0	--
JUN											
28...	0820	0	9827	9827	--	--	--	7.1	24.0	23.0	--
AUG											
02...	0830	0	9827	9827	--	--	--	6.8	25.0	32.0	--
18...	1600	9	80513	80513	.00	125	--	--	34.5	--	--
18...	1605	9	80513	80010	25.0	125	43	7.0	--	24.0	12
18...	1610	9	80513	80010	100	125	49	6.9	--	11.5	19
SEP											
06...	0945	0	9827	9827	--	--	--	6.9	25.0	28.0	--

07075638 GREERS FERRY LAKE AT HIGHWAY 92, AT HIGDEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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											
05...	0840	2.5	--	--	8.7	99	--	.7	24	--	40
NOV											
02...	0850	2.5	--	--	9.2	97	--	.7	--	--	16
DEC											
13...	1445	--	6.0	.20	--	--	755	--	--	91	--
13...	1450	100	--	--	8.3	--	--	1.2	--	--	10
13...	1455	5.2	--	--	.1	--	--	.5	--	--	18
JAN											
04...	0830	70	--	--	9.3	80	--	1.4	12	--	20
FEB											
22...	0900	30	--	--	10.9	94	--	.2	<4	--	16
MAR											
08...	0830	30	--	--	10.6	94	--	.9	36	--	20
APR											
05...	0900	25	--	--	10.5	93	--	.6	20	--	18
MAY											
03...	0840	30	--	--	9.6	--	--	1.0	170	--	--
23...	1530	--	32.4	.80	--	--	752	--	--	1	--
23...	1535	17	--	--	7.9	--	--	1.2	--	--	15
23...	1540	20	--	--	6.4	--	--	1.0	--	--	17
31...	0820	15	--	--	9.0	--	--	1.4	4	--	--
JUN											
28...	0820	4.1	--	--	8.7	--	--	1.3	<4	--	--
AUG											
02...	0830	2.5	--	--	8.7	--	--	2.0	<4	--	--
18...	1600	--	96.0	2.40	--	--	753	--	--	0	--
18...	1605	1.4	--	--	1.8	--	--	.9	--	--	16
18...	1610	31	--	--	.2	--	--	1.0	--	--	17
SEP											
06...	0945	2.5	--	--	8.1	--	--	1.8	4	--	--

DATE	TIME	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	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											
05...	0840	--	--	--	--	--	--	4.0	8.5	--	--
NOV											
02...	0850	--	--	--	--	--	--	4.0	4.5	18	.02
DEC											
13...	1450	0	0	3.2	8.0	.60	10	2.0	1.5	--	--
13...	1455	0	0	5.4	14	1.1	20	3.0	2.0	--	--
JAN											
04...	0830	--	--	--	--	--	--	5.0	2.5	62	.08
FEB											
22...	0900	--	--	--	--	--	--	4.0	3.0	45	.06
MAR											
08...	0830	--	--	--	--	--	--	4.0	2.5	40	.05
APR											
05...	0900	--	--	--	--	--	--	5.0	2.5	48	.07
MAY											
03...	0840	--	--	--	--	--	--	4.0	3.0	52	.07
23...	1535	3	3	4.0	--	1.2	12	<5.0	1.0	--	--
23...	1540	3	3	5.1	13	1.1	14	<5.0	1.5	--	--
31...	0820	--	--	--	--	--	--	1.0	3.5	43	.06
JUN											
28...	0820	--	--	--	--	--	--	3.0	3.0	33	.04
AUG											
02...	0830	--	--	--	--	--	--	1.0	3.0	31	.04
18...	1605	2	2	5.0	12	.90	14	4.0	.50	--	--
18...	1610	10	10	4.8	12	1.1	7	4.0	.60	--	--
SEP											
06...	0945	--	--	--	--	--	--	6.0	3.5	23	.03

07075638 GREERS FERRY LAKE AT HIGHWAY 92, AT HIGDEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)
OCT										
05...	0840	6	.030	.130	--	--	--	--	.010	--
NOV										
02...	0850	2	.010	.040	--	--	--	--	<.010	--
DEC										
13...	1450	--	.300	.270	-.07	.20	.50	2.2	.070	.21
13...	1455	--	.200	.200	--	<.10	--	--	.040	.12
JAN										
04...	0830	2	--	.090	--	--	--	--	.140	--
FEB										
22...	0900	9	.180	.030	--	--	--	--	.060	--
MAR										
08...	0830	7	.180	.030	--	--	--	--	--	--
APR										
05...	0900	9	.210	.020	--	--	--	--	.070	--
MAY										
03...	0840	15	.120	.030	--	--	--	--	.060	--
23...	1535	--	.100	.070	.13	.20	.30	1.3	.030	.09
23...	1540	--	.200	.060	.14	.20	.40	1.8	.040	.12
31...	0820	6	.110	.050	--	--	--	--	.010	--
JUN										
28...	0820	4	.020	.050	--	--	--	--	.020	--
AUG										
02...	0830	3	.020	.030	--	--	--	--	.010	--
18...	1605	--	<.100	.050	.15	.20	--	--	.020	.06
18...	1610	--	.200	.120	.18	.30	.50	2.2	.060	.18
SEP										
06...	0945	2	--	.050	--	--	--	--	.010	--

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)	ALDRIN, TOTAL (UG/L) (39330)
OCT										
05...	0840	<.010	2	<1	<10	--	--	60	.0	.000
NOV										
02...	0850	<.010	4	<1	21	--	--	90	--	--
DEC										
13...	1450	.150	--	--	--	3700	140	--	--	--
13...	1455	.030	--	--	--	660	1900	--	--	--
JAN										
04...	0830	.050	8	2	22	--	--	--	.0	.000
FEB										
22...	0900	.040	3	<1	31	--	--	80	--	--
MAR										
08...	0830	.040	2	4	<10	--	--	50	--	--
APR										
05...	0900	.010	1	<1	--	--	--	50	--	--
MAY										
03...	0840	.010	3	1	<10	--	--	40	--	--
23...	1535	.020	--	--	--	530	20	--	--	--
23...	1540	.020	--	--	--	700	80	--	--	--
31...	0820	.020	--	<1	38	--	--	--	--	--
JUN										
28...	0820	<.010	1	<1	11	--	--	50	--	--
AUG										
02...	0830	<.010	1	<1	14	--	--	70	--	--
18...	1605	<.010	--	--	--	130	40	--	--	--
18...	1610	<.010	--	--	--	2400	1300	--	--	--
SEP										
06...	0945	<.010	1	<1	26	--	--	50	--	--

07075638 GREERS FERRY LAKE AT HIGHWAY 92, AT HIGDEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
OCT										
05...	0840	.000	.000	.000	.000	.00	.00	.0	--	--
DEC										
13...	1446	--	--	--	--	--	--	--	<.100	<.100
JAN										
04...	0830	.000	.000	.000	.000	.00	.00	.0	--	--
MAY										
23...	1531	--	--	--	--	--	--	--	1.70	<.100

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 northwest of Heber Springs, 5.5 mi upstream from Canoe Creek, and at mile 79.0.

DRAINAGE AREA.--1,153 mi^2.

PERIOD OF RECORD.--October 1970 to September 1972, December 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
OCT							
19...	1030	0	80513	.00	142	43	7.3
19...	1032	0	80513	10.0	142	43	7.3
19...	1034	0	80513	20.0	142	43	7.3
19...	1036	0	80513	30.0	142	43	7.0
19...	1038	0	80513	40.0	142	43	7.0
19...	1040	0	80513	41.0	142	43	7.0
19...	1042	0	80513	42.0	142	43	6.7
19...	1044	0	80513	43.0	142	43	6.6
19...	1046	0	80513	45.0	142	43	6.6
19...	1048	0	80513	50.0	142	43	6.6
19...	1050	0	80513	55.0	142	43	6.5
19...	1052	0	80513	60.0	142	43	6.4
19...	1054	0	80513	70.0	142	44	6.4
19...	1056	0	80513	80.0	142	44	6.3
19...	1058	0	80513	90.0	142	44	6.3
19...	1100	0	80513	100	142	45	6.3
19...	1102	0	80513	110	142	46	6.2
19...	1104	0	80513	120	142	47	6.2
19...	1106	0	80513	130	142	48	6.2
19...	1108	0	80513	140	142	48	6.3
19...	1110	0	80513	142	142	48	6.3

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT							
19...	1030	20.5	281	7.1	8.5	95	755
19...	1032	20.5	--	--	8.4	--	--
19...	1034	20.5	--	--	8.4	--	--
19...	1036	20.5	--	--	8.3	--	--
19...	1038	19.5	--	--	8.3	--	--
19...	1040	18.0	--	--	8.3	--	--
19...	1042	17.0	--	--	8.1	--	--
19...	1044	16.0	--	--	7.7	--	--
19...	1046	15.0	--	--	7.4	--	--
19...	1048	14.0	--	--	6.8	--	--
19...	1050	13.0	--	--	6.5	--	--
19...	1052	12.0	--	--	6.2	--	--
19...	1054	11.0	--	--	5.8	--	--
19...	1056	10.0	--	--	5.9	--	--
19...	1058	9.0	--	--	6.0	--	--
19...	1100	8.5	--	--	5.8	--	--
19...	1102	8.0	--	--	5.2	--	--
19...	1104	7.5	--	--	4.3	--	--
19...	1106	7.0	--	--	3.6	--	--
19...	1108	7.0	--	--	3.3	--	--
19...	1110	7.0	--	--	3.0	--	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUCT-ANCE (UMHOS) (00095)	PH (STAND-ARD UNITS) (00400)
NOV							
30...	1045	0	80513	.00	147	43	7.0
30...	1046	0	80513	10.0	147	43	6.9
30...	1048	0	80513	20.0	147	43	6.9
30...	1050	0	80513	30.0	147	43	6.9
30...	1052	0	80513	40.0	147	43	6.9
30...	1054	0	80513	50.0	147	43	6.9
30...	1056	0	80513	60.0	147	45	6.7
30...	1058	0	80513	70.0	147	45	6.5
30...	1100	0	80513	80.0	147	45	6.5
30...	1102	0	80513	90.0	147	46	6.5
30...	1104	0	80513	100	147	46	6.4
30...	1106	0	80513	110	147	46	6.4
30...	1107	0	80513	120	147	46	6.4
30...	1108	0	80513	130	147	48	6.3
30...	1109	0	80513	140	147	48	6.3
30...	1110	0	80513	147	147	48	7.3

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
NOV							
30...	1045	13.0	210	5.3	9.2	88	754
30...	1046	13.0	--	--	9.2	--	--
30...	1048	13.0	--	--	9.2	--	--
30...	1050	13.0	--	--	9.2	--	--
30...	1052	12.5	--	--	9.2	--	--
30...	1054	12.5	--	--	8.5	--	--
30...	1056	12.0	--	--	5.6	--	--
30...	1058	11.0	--	--	5.2	--	--
30...	1100	10.5	--	--	5.3	--	--
30...	1102	9.5	--	--	5.4	--	--
30...	1104	9.0	--	--	5.5	--	--
30...	1106	8.5	--	--	5.1	--	--
30...	1107	8.0	--	--	4.3	--	--
30...	1108	7.5	--	--	3.2	--	--
30...	1109	7.5	--	--	2.8	--	--
30...	1110	7.5	--	--	2.2	--	--

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
DEC											
13...	1100	0	80513	80513	.00	171	41	7.2	7.0	12.0	186
13...	1101	0	80513	80010	3.00	171	--	--	--	--	--
13...	1102	0	80513	--	10.0	171	41	7.2	--	12.0	--
13...	1104	0	80513	--	20.0	171	41	7.2	--	12.0	--
13...	1105	0	80513	80010	25.0	171	41	7.2	--	12.0	--
13...	1108	0	80513	--	30.0	171	41	7.2	--	12.0	--
13...	1110	0	80513	--	40.0	171	41	7.2	--	12.0	--
13...	1112	0	80513	--	50.0	171	41	7.2	--	12.0	--
13...	1114	0	80513	--	60.0	171	41	7.2	--	12.0	--
13...	1116	0	80513	--	70.0	171	41	7.2	--	12.0	--
13...	1118	0	80513	--	80.0	171	41	7.2	--	12.0	--
13...	1119	0	80513	--	90.0	171	41	7.2	--	12.0	--
13...	1120	0	80513	80010	100	171	43	6.8	--	11.0	--
13...	1122	0	80513	--	110	171	44	6.8	--	10.0	--
13...	1124	0	80513	--	120	171	44	6.7	--	9.0	--
13...	1126	0	80513	--	130	171	44	6.7	--	8.5	--
13...	1128	0	80513	--	140	171	45	6.7	--	8.0	--
13...	1130	0	80513	--	150	171	46	6.7	--	8.0	--
13...	1132	0	80513	--	160	171	46	6.7	--	7.5	--
13...	1134	0	80513	--	170	171	47	6.6	--	7.5	--
13...	1135	0	80513	--	171	171	48	6.6	--	7.5	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)
DEC											
13...	1100	4.7	9.2	86	757	--	--	--	9	--	--
13...	1102	--	9.1	--	--	--	--	--	--	--	--
13...	1104	--	9.1	--	--	--	--	--	--	--	--
13...	1105	--	9.1	--	--	1	<1.0	.5	--	14	0
13...	1108	--	9.0	--	--	--	--	--	--	--	--
13...	1110	--	9.0	--	--	--	--	--	--	--	--
13...	1112	--	9.0	--	--	--	--	--	--	--	--
13...	1114	--	9.0	--	--	--	--	--	--	--	--
13...	1116	--	9.0	--	--	--	--	--	--	--	--
13...	1118	--	8.8	--	--	--	--	--	--	--	--
13...	1119	--	8.1	--	--	--	--	--	--	--	--
13...	1120	--	5.0	--	--	1	<1.0	.5	--	15	1
13...	1122	--	5.0	--	--	--	--	--	--	--	--
13...	1124	--	5.0	--	--	--	--	--	--	--	--
13...	1126	--	4.8	--	--	--	--	--	--	--	--
13...	1128	--	4.2	--	--	--	--	--	--	--	--
13...	1130	--	3.0	--	--	--	--	--	--	--	--
13...	1132	--	2.1	--	--	--	--	--	--	--	--
13...	1134	--	1.8	--	--	--	--	--	--	--	--
13...	1135	--	1.8	--	--	--	--	--	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC										
13...	1105	0	4.2	10	.90	14	4.0	1.5	.100	.100
13...	1120	1	4.4	11	1.0	14	4.0	2.0	.200	.200

DATE	TIME	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)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
13...	1101	--	--	--	--	--	--	--	.400	<.100
13...	1105	.050	<.10	.020	.06	<.010	90	10	--	--
13...	1120	.030	<.10	.020	.06	<.010	110	20	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN											
04...	1530	0	80513	.00	172	44	6.8	10.5	9.4	85	757
04...	1532	0	80513	10.0	172	44	6.8	10.5	9.3	--	--
04...	1534	0	80513	20.0	172	44	6.8	10.5	9.3	--	--
04...	1536	0	80513	30.0	172	44	6.8	10.5	9.3	--	--
04...	1538	0	80513	40.0	172	44	6.8	10.5	9.3	--	--
04...	1540	0	80513	50.0	172	44	6.8	10.5	9.2	--	--
04...	1542	0	80513	60.0	172	44	6.8	10.5	9.2	--	--
04...	1544	0	80513	70.0	172	44	6.8	10.5	9.2	--	--
04...	1546	0	80513	80.0	172	44	6.8	10.5	9.2	--	--
04...	1548	0	80513	90.0	172	44	6.8	10.5	9.2	--	--
04...	1550	0	80513	100	172	44	6.8	10.5	9.2	--	--
04...	1552	0	80513	110	172	44	6.8	10.5	9.2	--	--
04...	1554	0	80513	120	172	44	6.8	10.5	9.1	--	--
04...	1556	0	80513	130	172	44	6.8	10.0	8.0	--	--
04...	1558	0	80513	140	172	48	6.5	9.0	3.1	--	--
04...	1600	0	80513	150	172	49	6.3	8.5	1.8	--	--
04...	1602	0	80513	160	172	50	6.2	8.0	.8	--	--
04...	1604	0	80513	170	172	51	6.2	8.0	.5	--	--
04...	1605	0	80513	172	172	51	6.2	8.0	.5	--	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
FEB							
09...	1120	0	80513	.00	158	41	6.8
09...	1122	0	80513	10.0	158	41	6.8
09...	1124	0	80513	20.0	158	41	6.8
09...	1126	0	80513	30.0	158	41	6.8
09...	1128	0	80513	40.0	158	41	6.8
09...	1130	0	80513	50.0	158	41	6.8
09...	1132	0	80513	60.0	158	41	6.8
09...	1134	0	80513	70.0	158	41	6.8
09...	1136	0	80513	80.0	158	41	6.8
09...	1138	0	80513	90.0	158	41	6.8
09...	1140	0	80513	100	158	41	6.8
09...	1142	0	80513	110	158	41	6.8
09...	1144	0	80513	120	158	41	6.8
09...	1146	0	80513	130	158	41	6.8
09...	1148	0	80513	140	158	41	6.8
09...	1149	0	80513	150	158	41	6.8
09...	1150	0	80513	158	158	41	6.8

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
FEB							
09...	1120	7.0	40.8	1.00	10.2	85	750
09...	1122	7.0	--	--	10.2	--	--
09...	1124	7.0	--	--	10.2	--	--
09...	1126	7.0	--	--	10.2	--	--
09...	1128	7.0	--	--	10.2	--	--
09...	1130	7.0	--	--	10.2	--	--
09...	1132	7.0	--	--	10.1	--	--
09...	1134	7.0	--	--	10.1	--	--
09...	1136	7.0	--	--	10.1	--	--
09...	1138	7.0	--	--	10.1	--	--
09...	1140	7.0	--	--	10.1	--	--
09...	1142	7.0	--	--	10.1	--	--
09...	1144	7.0	--	--	10.1	--	--
09...	1146	7.0	--	--	10.1	--	--
09...	1148	7.0	--	--	10.1	--	--
09...	1149	7.0	--	--	10.1	--	--
09...	1150	7.0	--	--	10.1	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
MAR							
16...	1200	0	80513	.00	152	42	7.1
16...	1202	0	80513	10.0	152	42	7.0
16...	1204	0	80513	20.0	152	42	6.9
16...	1206	0	80513	30.0	152	42	6.9
16...	1208	0	80513	40.0	152	42	6.9
16...	1210	0	80513	50.0	152	42	6.9
16...	1212	0	80513	60.0	152	42	6.9
16...	1214	0	80513	70.0	152	42	6.9
16...	1216	0	80513	80.0	152	42	6.9
16...	1218	0	80513	90.0	152	42	7.0
16...	1220	0	80513	100	152	42	7.0
16...	1222	0	80513	110	152	42	6.9
16...	1224	0	80513	120	152	42	6.6
16...	1226	0	80513	130	152	41	6.6
16...	1228	0	80513	140	152	41	6.6
16...	1229	0	80513	150	152	41	6.6
16...	1230	0	80513	152	152	41	6.6

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
16...	1200	11.0	54.0	1.40	10.6	99	742
16...	1202	11.0	--	--	10.6	--	--
16...	1204	10.0	--	--	10.7	--	--
16...	1206	9.0	--	--	10.7	--	--
16...	1208	9.0	--	--	10.9	--	--
16...	1210	9.0	--	--	10.8	--	--
16...	1212	8.5	--	--	10.8	--	--
16...	1214	8.5	--	--	10.6	--	--
16...	1216	8.5	--	--	10.5	--	--
16...	1218	8.0	--	--	10.3	--	--
16...	1220	7.5	--	--	9.5	--	--
16...	1222	7.0	--	--	9.5	--	--
16...	1224	7.0	--	--	9.5	--	--
16...	1226	7.0	--	--	9.6	--	--
16...	1228	7.0	--	--	9.6	--	--
16...	1229	7.0	--	--	9.6	--	--
16...	1230	7.0	--	--	9.4	--	--

DATE	TIME	MEDIUM	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)
APR								
29...	1030	9	80513	80513	.00	153	39	7.2
29...	1032	9	80513	80513	7.00	153	39	7.2
29...	1034	9	80513	80513	10.0	153	39	7.1
29...	1036	9	80513	80513	20.0	153	39	7.0
29...	1038	9	80513	80513	30.0	153	39	7.0
29...	1040	9	80513	80513	40.0	153	39	7.0
29...	1042	9	80513	80513	50.0	153	39	7.0
29...	1044	9	80513	80513	60.0	153	39	7.0
29...	1046	9	80513	80513	70.0	153	39	6.9
29...	1048	9	80513	80513	80.0	153	39	6.9
29...	1050	9	80513	80513	90.0	153	39	6.9
29...	1052	9	80513	80513	100	153	39	6.9
29...	1054	9	80513	80513	110	153	40	6.9
29...	1056	9	80513	80513	120	153	40	6.8
29...	1058	9	80513	80513	130	153	40	6.8
29...	1100	9	80513	80513	140	153	40	6.7
29...	1102	9	80513	80513	150	153	40	6.6
29...	1105	9	80513	80513	153	153	40	6.6

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR							
29...	1030	15.5	38.4	1.00	10.0	102	749
29...	1032	14.5	--	--	10.0	--	--
29...	1034	13.5	--	--	9.9	--	--
29...	1036	12.5	--	--	9.9	--	--
29...	1038	12.0	--	--	9.9	--	--
29...	1040	11.5	--	--	9.9	--	--
29...	1042	11.0	--	--	9.9	--	--
29...	1044	10.5	--	--	9.8	--	--
29...	1046	10.5	--	--	9.8	--	--
29...	1048	10.0	--	--	9.8	--	--
29...	1050	10.0	--	--	9.8	--	--
29...	1052	9.5	--	--	9.8	--	--
29...	1054	9.5	--	--	9.8	--	--
29...	1056	9.0	--	--	9.8	--	--
29...	1058	9.0	--	--	9.6	--	--
29...	1100	8.5	--	--	9.3	--	--
29...	1102	7.5	--	--	8.4	--	--
29...	1105	7.5	--	--	7.6	--	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
MAY										
23...	0940	9	80513	80513	.00	158	38	7.1	18.0	21.0
23...	0941	9	80513	80010	3.00	158	--	--	--	--
23...	0942	9	80513	80513	10.0	158	38	7.1	--	21.0
23...	0944	9	80513	80513	15.0	158	38	7.1	--	20.0
23...	0946	9	80513	80513	20.0	158	38	7.1	--	19.0
23...	0948	9	80513	80513	22.0	158	38	7.1	--	18.0
23...	0950	9	80513	80010	25.0	158	39	7.1	--	17.0
23...	0952	9	80513	80513	28.0	158	39	7.1	--	16.0
23...	0954	9	80513	80513	30.0	158	39	7.1	--	15.5
23...	0956	9	80513	80513	40.0	158	40	7.1	--	14.5
23...	0958	9	80513	80513	50.0	158	40	7.1	--	14.0
23...	1000	9	80513	80513	60.0	158	40	7.1	--	13.0
23...	1002	9	80513	80513	70.0	158	40	7.1	--	12.0
23...	1004	9	80513	80513	80.0	158	40	7.1	--	11.0
23...	1006	9	80513	80513	90.0	158	41	7.1	--	10.5
23...	1010	9	80513	80010	100	158	41	7.1	--	10.5
23...	1012	9	80513	80513	110	158	41	7.1	--	10.0
23...	1014	9	80513	80513	120	158	41	7.1	--	9.5
23...	1016	9	80513	80513	130	158	41	7.1	--	9.0
23...	1018	9	80513	80513	140	158	41	7.1	--	9.0
23...	1019	9	80513	80513	150	158	42	7.1	--	8.5
23...	1020	9	80513	80513	158	158	42	7.1	--	8.5

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
MAY									
23...	0940	54.0	1.40	9.0	102	752	--	--	--
23...	0942	--	--	8.9	--	--	--	--	--
23...	0944	--	--	8.9	--	--	--	--	--
23...	0946	--	--	8.4	--	--	--	--	--
23...	0948	--	--	8.3	--	--	--	--	--
23...	0950	--	--	8.1	--	--	17	12	1.2
23...	0952	--	--	8.2	--	--	--	--	--
23...	0954	--	--	8.4	--	--	--	--	--
23...	0956	--	--	9.0	--	--	--	--	--
23...	0958	--	--	9.2	--	--	--	--	--
23...	1000	--	--	9.3	--	--	--	--	--
23...	1002	--	--	9.4	--	--	--	--	--
23...	1004	--	--	9.5	--	--	--	--	--
23...	1006	--	--	9.5	--	--	--	--	--
23...	1010	--	--	9.5	--	--	22	20	.9
23...	1012	--	--	9.5	--	--	--	--	--
23...	1014	--	--	9.3	--	--	--	--	--
23...	1016	--	--	8.8	--	--	--	--	--
23...	1018	--	--	8.3	--	--	--	--	--
23...	1019	--	--	8.0	--	--	--	--	--
23...	1020	--	--	7.9	--	--	--	--	--

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
MAY									
23...	0940	4	--	--	--	--	--	--	--
23...	0950	--	16	5	5	4.7	12	1.1	11
23...	1010	--	16	3	3	4.7	12	1.0	13

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
MAY									
23...	0950	<5.0	2.0	.200	.200	.060	.24	.30	.50
23...	1010	<5.0	1.5	.200	.200	.080	.12	.20	.40

DATE	TIME	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)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
23...	0941	--	.020	.06	.010	--	--	2.20	<.100
23...	0950	2.2	.040	.12	.010	470	10	--	--
23...	1010	1.8	.020	.06	.020	710	20	--	--

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)
JUN								
23...	1050	9	80513	80513	.00	153	42	8.9
23...	1052	9	80513	80513	7.00	153	44	9.3
23...	1054	9	80513	80513	10.0	153	38	9.3
23...	1056	9	80513	80513	15.0	153	38	7.7
23...	1058	9	80513	80513	17.0	153	38	7.2
23...	1100	9	80513	80513	18.0	153	38	6.9
23...	1102	9	80513	80513	20.0	153	38	6.8
23...	1104	9	80513	80513	22.0	153	38	6.8
23...	1106	9	80513	80513	25.0	153	38	6.8
23...	1108	9	80513	80513	27.0	153	38	6.8
23...	1110	9	80513	80513	30.0	153	40	6.8
23...	1112	9	80513	80513	38.0	153	40	6.9
23...	1114	9	80513	80513	40.0	153	40	6.9
23...	1116	9	80513	80513	50.0	153	40	7.0
23...	1118	9	80513	80513	60.0	153	40	7.0
23...	1120	9	80513	80513	70.0	153	40	7.0
23...	1122	9	80513	80513	80.0	153	40	7.0
23...	1124	9	80513	80513	90.0	153	40	7.0
23...	1126	9	80513	80513	100	153	40	7.0
23...	1128	9	80513	80513	110	153	40	7.0
23...	1130	9	80513	80513	120	153	40	7.0
23...	1132	9	80513	80513	130	153	40	6.9
23...	1134	9	80513	80513	140	153	40	6.9
23...	1136	9	80513	80513	150	153	42	6.8
23...	1140	9	80513	80513	153	153	43	6.8

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUN							
23...	1050	26.5	85.2	2.20	8.4	105	760
23...	1052	25.5	--	--	10.8	--	--
23...	1054	24.5	--	--	11.0	--	--
23...	1056	23.5	--	--	6.2	--	--
23...	1058	22.5	--	--	4.6	--	--
23...	1100	21.0	--	--	4.2	--	--
23...	1102	20.5	--	--	4.2	--	--
23...	1104	19.5	--	--	4.6	--	--
23...	1106	18.5	--	--	5.1	--	--
23...	1108	17.5	--	--	5.6	--	--
23...	1110	16.5	--	--	6.0	--	--
23...	1112	15.5	--	--	7.0	--	--
23...	1114	15.0	--	--	7.4	--	--
23...	1116	14.0	--	--	8.0	--	--
23...	1118	13.5	--	--	8.3	--	--
23...	1120	12.5	--	--	8.5	--	--
23...	1122	12.0	--	--	8.5	--	--
23...	1124	11.0	--	--	8.6	--	--
23...	1126	10.5	--	--	8.6	--	--
23...	1128	10.5	--	--	8.5	--	--
23...	1130	10.0	--	--	8.3	--	--
23...	1132	9.5	--	--	7.8	--	--
23...	1134	9.0	--	--	7.1	--	--
23...	1136	9.0	--	--	6.9	--	--
23...	1140	9.0	--	--	6.8	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JUL										
20...	0950	9	80513	80513	.00	152	42	7.7	30.5	114
20...	0951	9	80513	80010	3.00	152	--	--	--	--
20...	0952	9	80513	80513	10.0	152	42	7.7	30.0	--
20...	0954	9	80513	80513	13.0	152	42	8.2	29.0	--
20...	0956	9	80513	80513	15.0	152	42	8.3	28.0	--
20...	0958	9	80513	80513	18.0	152	41	7.6	27.0	--
20...	1000	9	80513	80513	20.0	152	41	7.0	26.0	--
20...	1002	9	80513	80513	21.0	152	41	6.9	25.0	--
20...	1004	9	80513	80513	23.0	152	41	6.7	24.0	--
20...	1006	9	80513	80513	25.0	152	41	6.5	23.0	--
20...	1008	9	80513	80513	26.0	152	41	6.4	21.5	--
20...	1010	9	80513	80513	28.0	152	41	6.3	20.5	--
20...	1012	9	80513	80513	30.0	152	41	6.3	19.5	--
20...	1014	9	80513	80513	33.0	152	41	6.4	18.5	--
20...	1016	9	80513	80513	36.0	152	41	6.4	17.5	--
20...	1018	9	80513	80513	40.0	152	41	6.5	16.5	--
20...	1020	9	80513	80513	45.0	152	41	6.5	15.5	--
20...	1022	9	80513	80513	50.0	152	41	6.6	15.0	--
20...	1024	9	80513	80513	60.0	152	42	6.7	14.0	--
20...	1026	9	80513	80513	70.0	152	42	6.7	13.0	--
20...	1028	9	80513	80513	80.0	152	42	6.7	12.5	--
20...	1030	9	80513	80513	90.0	152	42	6.8	11.5	--
20...	1032	9	80513	80513	100	152	42	6.8	11.0	--
20...	1034	9	80513	80513	110	152	42	6.8	10.5	--
20...	1036	9	80513	80513	120	152	43	6.7	9.5	--
20...	1038	9	80513	80513	130	152	44	6.7	9.5	--
20...	1040	9	80513	80513	140	152	44	6.6	9.0	--
20...	1043	9	80513	80513	150	152	45	6.6	9.0	--
20...	1045	9	80513	80513	152	152	45	6.5	9.0	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
20...	0950	2.90	7.2	97	757	--	--	--	--	--
20...	0951	--	--	--	--	.020	.06	<.010	1.30	<.100
20...	0952	--	7.3	--	--	--	--	--	--	--
20...	0954	--	7.6	--	--	--	--	--	--	--
20...	0956	--	7.9	--	--	--	--	--	--	--
20...	0958	--	7.4	--	--	--	--	--	--	--
20...	1000	--	6.2	--	--	--	--	--	--	--
20...	1002	--	5.6	--	--	--	--	--	--	--
20...	1004	--	4.3	--	--	--	--	--	--	--
20...	1006	--	2.5	--	--	--	--	--	--	--
20...	1008	--	2.3	--	--	--	--	--	--	--
20...	1010	--	2.2	--	--	--	--	--	--	--
20...	1012	--	2.8	--	--	--	--	--	--	--
20...	1014	--	3.5	--	--	--	--	--	--	--
20...	1016	--	4.0	--	--	--	--	--	--	--
20...	1018	--	4.9	--	--	--	--	--	--	--
20...	1020	--	5.9	--	--	--	--	--	--	--
20...	1022	--	6.5	--	--	--	--	--	--	--
20...	1024	--	7.4	--	--	--	--	--	--	--
20...	1026	--	7.7	--	--	--	--	--	--	--
20...	1028	--	7.9	--	--	--	--	--	--	--
20...	1030	--	8.1	--	--	--	--	--	--	--
20...	1032	--	8.3	--	--	--	--	--	--	--
20...	1034	--	8.1	--	--	--	--	--	--	--
20...	1036	--	7.4	--	--	--	--	--	--	--
20...	1038	--	6.8	--	--	--	--	--	--	--
20...	1040	--	5.9	--	--	--	--	--	--	--
20...	1043	--	5.8	--	--	--	--	--	--	--
20...	1045	--	5.8	--	--	--	--	--	--	--

DATE	TIME	MEDIUM	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)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
AUG											
19...	0720	9	80513	80513	.00	145	44	7.3	23.5	29.5	169
19...	0722	9	80513	80513	10.0	145	44	7.3	--	29.5	--
19...	0724	9	80513	80513	20.0	145	43	7.4	--	28.5	--
19...	0726	9	80513	80513	21.0	145	43	7.5	--	27.0	--
19...	0728	9	80513	80513	22.0	145	43	7.4	--	25.5	--
19...	0730	9	80513	80513	23.0	145	43	7.3	--	24.5	--
19...	0732	9	80513	80513	24.0	145	42	7.3	--	23.5	--
19...	0735	9	80513	80010	25.0	145	42	7.2	--	23.0	--
19...	0736	9	80513	80513	27.0	145	42	7.1	--	22.0	--
19...	0738	9	80513	80513	28.0	145	42	7.0	--	21.0	--
19...	0740	9	80513	80513	30.0	145	42	7.0	--	20.0	--
19...	0742	9	80513	80513	32.0	145	42	6.9	--	19.0	--
19...	0744	9	80513	80513	35.0	145	42	6.8	--	18.0	--
19...	0746	9	80513	80513	40.0	145	42	6.8	--	17.0	--
19...	0748	9	80513	80513	50.0	145	42	6.8	--	16.0	--
19...	0750	9	80513	80513	60.0	145	43	6.9	--	15.0	--
19...	0752	9	80513	80513	70.0	145	43	6.9	--	14.0	--
19...	0754	9	80513	80513	80.0	145	44	6.9	--	13.0	--
19...	0756	9	80513	80513	90.0	145	44	6.9	--	12.0	--
19...	0800	9	80513	80010	100	145	44	6.9	--	11.0	--
19...	0810	9	80513	80513	110	145	45	6.9	--	10.5	--
19...	0812	9	80513	80513	120	145	46	6.8	--	10.5	--
19...	0813	9	80513	80513	130	145	47	6.8	--	10.0	--
19...	0814	9	80513	80513	140	145	48	6.8	--	10.0	--
19...	0815	9	80513	80513	145	145	49	6.8	--	10.0	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)
AUG										
19...	0720	4.3	7.3	97	755	--	--	--	0	--
19...	0722	--	7.3	--	--	--	--	--	--	--
19...	0724	--	8.1	--	--	--	--	--	--	--
19...	0726	--	8.4	--	--	--	--	--	--	--
19...	0728	--	8.0	--	--	--	--	--	--	--
19...	0730	--	6.6	--	--	--	--	--	--	--
19...	0732	--	5.9	--	--	--	--	--	--	--
19...	0735	--	4.7	--	--	12	1.1	1.9	--	14
19...	0736	--	2.7	--	--	--	--	--	--	--
19...	0738	--	1.7	--	--	--	--	--	--	--
19...	0740	--	1.4	--	--	--	--	--	--	--
19...	0742	--	1.4	--	--	--	--	--	--	--
19...	0744	--	2.3	--	--	--	--	--	--	--
19...	0746	--	3.4	--	--	--	--	--	--	--
19...	0748	--	5.5	--	--	--	--	--	--	--
19...	0750	--	6.7	--	--	--	--	--	--	--
19...	0752	--	7.1	--	--	--	--	--	--	--
19...	0754	--	7.3	--	--	--	--	--	--	--
19...	0756	--	7.3	--	--	--	--	--	--	--
19...	0800	--	7.0	--	--	28	16	1.1	--	15
19...	0810	--	6.4	--	--	--	--	--	--	--
19...	0812	--	5.4	--	--	--	--	--	--	--
19...	0813	--	4.5	--	--	--	--	--	--	--
19...	0814	--	4.1	--	--	--	--	--	--	--
19...	0815	--	3.8	--	--	--	--	--	--	--

DATE	TIME	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
AUG										
19...	0735	0	0	4.1	10	.90	13	4.0	.50	--
19...	0800	3	3	4.5	11	.90	12	4.0	.50	.200

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
AUG										
19...	0735	<.100	.040	.16	.20	.010	.03	<.010	110	10
19...	0800	.200	.160	--	<.10	.020	.06	.030	640	30

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
SEP										
22...	1000	9	80513	80513	.00	142	48	7.2	24.5	162
22...	1001	9	80513	80010	3.00	142	--	--	--	--
22...	1002	9	80513	80513	10.0	142	48	7.2	24.5	--
22...	1004	9	80513	80513	20.0	142	48	7.2	24.5	--
22...	1006	9	80513	80513	30.0	142	48	7.2	24.5	--
22...	1008	9	80513	80513	34.0	142	48	6.9	23.5	--
22...	1010	9	80513	80513	35.0	142	46	6.9	22.5	--
22...	1012	9	80513	80513	36.0	142	46	6.2	21.5	--
22...	1014	9	80513	80513	37.0	142	46	6.2	20.5	--
22...	1016	9	80513	80513	38.0	142	46	6.2	19.5	--
22...	1018	9	80513	80513	39.0	142	46	6.2	18.5	--
22...	1020	9	80513	80513	40.0	142	46	6.2	18.0	--
22...	1022	9	80513	80513	45.0	142	46	6.2	17.0	--
22...	1024	9	80513	80513	50.0	142	46	6.3	16.0	--
22...	1026	9	80513	80513	55.0	142	46	6.4	15.5	--
22...	1028	9	80513	80513	60.0	142	47	6.4	15.0	--
22...	1030	9	80513	80513	70.0	142	47	6.5	14.0	--
22...	1032	9	80513	80513	80.0	142	47	6.5	13.0	--
22...	1034	9	80513	80513	90.0	142	47	6.5	12.0	--
22...	1036	9	80513	80513	100	142	47	6.5	11.5	--
22...	1038	9	80513	80513	110	142	48	6.4	11.0	--
22...	1040	9	80513	80513	120	142	48	6.4	10.5	--
22...	1042	9	80513	80513	130	142	52	6.3	10.0	--
22...	1044	9	80513	80513	140	142	54	6.3	10.0	--
22...	1045	9	80513	80513	142	142	56	6.3	10.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	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...	1000	4.1	7.6	91	764	--	--	--	--	--
22...	1001	--	--	--	--	.060	.18	<.010	1.50	.400
22...	1002	--	7.5	--	--	--	--	--	--	--
22...	1004	--	7.5	--	--	--	--	--	--	--
22...	1006	--	7.5	--	--	--	--	--	--	--
22...	1008	--	6.3	--	--	--	--	--	--	--
22...	1010	--	.8	--	--	--	--	--	--	--
22...	1012	--	.3	--	--	--	--	--	--	--
22...	1014	--	.3	--	--	--	--	--	--	--
22...	1016	--	.6	--	--	--	--	--	--	--
22...	1018	--	.8	--	--	--	--	--	--	--
22...	1020	--	1.1	--	--	--	--	--	--	--
22...	1022	--	2.9	--	--	--	--	--	--	--
22...	1024	--	4.3	--	--	--	--	--	--	--
22...	1026	--	5.1	--	--	--	--	--	--	--
22...	1028	--	5.7	--	--	--	--	--	--	--
22...	1030	--	6.5	--	--	--	--	--	--	--
22...	1032	--	6.6	--	--	--	--	--	--	--
22...	1034	--	6.5	--	--	--	--	--	--	--
22...	1036	--	6.0	--	--	--	--	--	--	--
22...	1038	--	5.2	--	--	--	--	--	--	--
22...	1040	--	4.0	--	--	--	--	--	--	--
22...	1042	--	2.7	--	--	--	--	--	--	--
22...	1044	--	1.9	--	--	--	--	--	--	--
22...	1045	--	1.7	--	--	--	--	--	--	--

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 downstream from Greers Ferry Dam, 3.0 mi northeast of Heber Springs, and at mile 78.8.

DRAINAGE AREA.--1,153 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 19...	1000	0	80513	80513	40	50	6.3	12.5	10.6

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV 30...	1000	0	80513	80513	510	52	6.8	12.5	12.0

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC 13...	1000	0	80513	80010	2490	46	6.5	4.5	9.0	6.2

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)
DEC 13...	1000	54	763	3	<1.0	.8	2	16	1

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
DEC 13...	1000	1	4.8	12	1.0	15	2.0	1.5	.200

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
DEC 13...	1000	.200	.090	<.10	.040	.12	.010	270	110

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN 04...	1640	0	80513	80513	3090	47	6.6	9.0	8.2
FEB 09...	1100	0	80513	80513	7560	48	6.7	7.0	10.4
MAR 16...	1130	0	80513	80513	3040	41	6.7	8.5	10.0
APR 29...	1000	9	80513	80513	3010	44	6.7	10.5	10.3

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY 23...	0900	9	1028	80010	3560	46	7.0	18.5	11.5	10.2

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
MAY 23...	0900	98	727	18	16	1.8	1	18	5	5

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
MAY 23...	0900	5.0	12	1.3	13	5.0	1.5	.300	.300	.190

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
MAY 23...	0900	.31	.50	.80	3.5	.020	.06	.060	580	20

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 23...	0950	9	80513	80513	1920	42	7.2	13.0	11.2

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL 20...	0920	9	80513	80513	5950	43	6.8	11.5	7.0

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG 19...	0640	9	80513	80010	1680	49	6.8	22.0	12.0	6.4

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
AUG 19...	0640	60	759	20	15	2.1	19	16	2	2

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
AUG 19...	0640	4.8	12	1.0	14	4.0	.50	.300	.300	.200

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
AUG 19...	0640	.20	.40	.70	3.1	.080	.25	.040	730	160

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 22...	0930	9	80513	80513	190	50	6.8	11.5	9.4

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 southwest of Wilburn.

DRAINAGE AREA.--1,196 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT											
05...	0800	0	9827	9827	20	6.5	17.0	10.0	35	7.7	68
NOV											
02...	0805	0	9827	9827	20	6.6	17.0	11.0	3.6	7.7	69
30...	0805	0	9827	9827	20	6.5	15.0	9.0	4.8	8.6	74
30...	0910	0	9827	9827	--	6.7	15.0	12.0	2.5	8.4	78
JAN											
04...	0750	0	9827	9827	20	6.4	-5.0	6.0	4.0	8.3	66
FEB											
22...	0815	0	9827	9827	5100	7.1	10.0	7.0	25	11.2	92
MAR											
08...	0750	0	9827	9827	20	7.0	5.0	7.0	20	10.5	86
APR											
05...	0810	0	9827	9827	20	6.6	14.0	14.0	25	10.3	99
MAY											
03...	0750	0	9827	9827	20	6.4	13.0	14.0	60	9.0	--
31...	0735	0	9827	9827	20	6.6	14.0	10.0	20	9.4	--
JUN											
28...	0745	0	9827	9827	20	6.5	24.0	13.0	20	8.9	--
AUG											
02...	0745	0	9827	9827	20	6.4	24.0	14.0	20	8.4	--
SEP											
06...	0745	0	9827	9827	20	6.7	25.0	18.0	20	9.7	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT										
05...	0800	.8	110	16	5.0	6.5	--	--	6	.250
NOV										
02...	0805	.9	--	16	4.0	4.5	33	.04	4	.250
30...	0805	.7	28	24	4.0	3.0	66	.09	6	.350
30...	0910	.5	8	24	4.0	2.5	60	.08	2	.110
JAN										
04...	0750	.9	<4	18	6.0	3.5	46	.06	21	--
FEB										
22...	0815	.2	8	14	4.0	3.0	43	.06	9	.210
MAR										
08...	0750	.8	28	20	4.0	3.5	35	.05	6	.200
APR										
05...	0810	.6	350	16	5.0	3.5	44	.06	6	.220
MAY										
03...	0750	1.9	>600	--	5.0	3.0	56	.08	72	.150
31...	0735	.8	12	--	1.0	3.5	50	.07	6	.180
JUN										
28...	0745	.8	48	--	3.0	3.0	45	.06	4	.220
AUG										
02...	0745	1.0	<4	--	2.0	4.0	44	.06	8	.250
SEP										
06...	0745	1.9	180	--	6.0	2.5	40	.05	4	--

07076200 LITTLE RED RIVER NEAR WILBURN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT										
05...	0800	.160	.010	.010	<5	1	<1	<10	<5	30
NOV										
02...	0805	.010	.010	<.010	--	4	<1	19	--	120
30...	0805	.020	.020	.010	--	<1	--	<10	--	60
30...	0910	.060	.010	.010	--	2	--	<10	--	60
JAN										
04...	0750	.040	.040	.020	<5	10	<1	59	<5	--
FEB										
22...	0815	.050	.050	.030	--	3	<1	36	--	110
MAR										
08...	0750	.040	--	.030	--	1	<1	<10	--	40
APR										
05...	0810	.020	.060	.010	<5	1	<1	--	<5	70
MAY										
03...	0750	.040	.130	.030	--	1	2	17	--	60
31...	0735	.040	.010	.020	--	--	<1	11	--	--
JUN										
28...	0745	.050	.050	.010	--	1	<1	11	--	20
AUG										
02...	0745	.060	.030	.010	<5	1	<1	12	<5	40
SEP										
06...	0745	.080	.020	<.010	--	1	<1	31	--	40

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)
OCT										
05...	0800	.0	.000	.000	.000	.000	.000	.00	.00	.0
JAN										
04...	0750	.0	.000	.000	.000	.000	.000	.00	.00	.0

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 south of Judsonia, and 0.5 mi 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
05...	1035	0	9827	9827	7.0	24.0	18.0	35	9.4	99
NOV										
16...	1100	0	9827	9827	7.0	9.0	9.0	5.0	10.0	86
DEC										
07...	1040	0	9827	9827	6.3	11.0	9.0	35	7.1	61
JAN										
04...	1125	0	9827	9827	6.6	4.0	7.0	6.6	10.2	84
FEB										
08...	1105	0	9827	9827	6.8	4.0	7.0	15	11.2	92
MAR										
08...	1055	0	9827	9827	7.0	10.0	12.0	25	9.6	89
APR										
05...	0940	0	9827	9827	6.6	11.0	13.0	30	9.6	91
MAY										
10...	1120	0	9827	9827	6.8	21.0	13.0	25	9.9	--
31...	1115	0	9827	9827	6.9	19.0	12.0	25	9.2	--
JUL										
12...	1035	0	9827	9827	6.5	39.0	20.0	25	8.8	--
AUG										
02...	1130	0	9827	9827	6.2	32.0	12.0	25	9.7	--
SEP										
06...	1020	0	9827	9827	7.0	27.0	21.0	25	9.7	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT										
05...	1035	2.0	130	38	4.0	--	--	--	100	.170
NOV										
16...	1100	2.3	88	26	2.0	6.5	55	.07	8	--
DEC										
07...	1040	1.5	370	12	6.0	4.5	56	.08	20	--
JAN										
04...	1125	.4	120	18	6.0	--	33	.04	6	--
FEB										
08...	1105	1.3	12	18	5.0	3.5	42	.06	10	.230
MAR										
08...	1055	1.2	660	18	3.0	4.0	35	.05	16	.360
APR										
05...	0940	1.6	930	26	6.0	5.5	49	.07	16	.310
MAY										
10...	1120	1.2	40	--	2.0	4.0	47	.06	10	.200
31...	1115	1.1	34	--	--	4.0	54	.07	10	.190
JUL										
12...	1035	1.2	290	--	4.0	4.5	47	.06	14	.210
AUG										
02...	1130	1.2	44	--	6.0	4.5	48	.07	15	.220
SEP										
06...	1020	2.1	380	--	5.0	3.5	45	.06	9	.220

07076634 LITTLE RED RIVER AT JUDSONIA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT									
05...	1035	.050	.080	<.010	--	4	13	20	--
NOV									
16...	1100	.210	.240	--	<1	--	<10	20	--
DEC									
07...	1040	.070	.360	.050	<1	4	<10	40	.0
JAN									
04...	1125	.050	.050	.040	<1	2	<10	60	--
FEB									
08...	1105	.040	.050	.010	<1	<1	20	--	--
MAR									
08...	1055	.040	--	.040	<1	--	16	70	--
APR									
05...	0940	.050	.110	.020	<1	1	<10	20	--
MAY									
10...	1120	.050	.060	.010	<1	1	<10	40	--
31...	1115	.050	.060	.030	<1	<1	21	--	--
JUL									
12...	1035	.030	.080	.010	1	<1	12	40	--
AUG									
02...	1130	.110	.060	.010	<1	3	30	30	--
SEP									
06...	1020	.050	.070	.020	<1	<1	<10	40	--

DATE	TIME	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)
DEC									
07...	1040	.000	.000	.000	.000	.000	.00	.00	.0

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 northeast of DeValls Bluff, 7.5 mi downstream from Wattensaw Bayou, 24.1 mi upstream from Cache River, and at mile 125.3.

DRAINAGE AREA.--23,483 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
19...	0951	0	9827	9827	7470	8.2	19.0	18.0	--	9.7
NOV										
02...	1030	0	9827	9827	7390	8.2	19.0	17.0	6.8	11.0
JAN										
11...	1000	0	9827	9827	70200	7.3	15.0	7.0	55	11.6
FEB										
15...	0930	0	9827	9827	56900	7.9	11.0	8.0	15	12.5
MAR										
22...	1525	0	9827	9827	--	7.9	12.0	13.0	20	10.4
29...	0920	0	9827	9827	23500	8.0	16.0	11.0	15	11.1
MAY										
03...	1400	0	9827	9827	--	7.8	19.0	19.0	15	8.4
31...	0910	0	9827	9827	49000	7.7	18.0	21.0	25	7.7
JUL										
05...	1510	0	9827	9827	24800	7.9	29.0	26.0	30	8.2
AUG										
09...	0930	0	9827	9827	16000	8.0	32.0	27.0	20	8.4
SEP										
06...	0945	0	9827	9827	12200	--	25.0	25.0	15	9.3
13...	0927	0	9827	9827	13900	8.1	24.0	25.0	25	7.9

DATE	TIME	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										
19...	0951	102	3.0	52	--	5.0	6.0	157	.21	41
NOV										
02...	1030	113	6.6	--	--	8.0	6.0	161	.22	14
JAN										
11...	1000	95	2.6	32	80	4.0	4.0	118	.16	38
FEB										
15...	0930	--	1.1	4	100	7.0	3.5	127	.17	24
MAR										
22...	1525	98	2.5	4	130	4.0	15	148	.20	28
29...	0920	100	.8	36	130	6.0	9.0	151	.21	20
MAY										
03...	1400	--	1.1	90	--	--	4.5	122	.17	21
31...	0910	--	1.5	20	--	4.0	5.0	137	.19	30
JUL										
05...	1510	--	2.0	76	--	3.0	5.0	135	.18	48
AUG										
09...	0930	--	1.3	8	--	6.0	7.0	148	.20	24
SEP										
06...	0945	--	2.7	12	--	5.0	7.5	162	.22	29
13...	0927	--	1.5	32	--	8.0	7.0	167	.23	41

07077000 WHITE RIVER AT DEVALLS BLUFF, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT										
19...	0951	--	.220	.400	.030	<1	22	24	--	--
NOV										
02...	1030	.070	.010	.020	<.010	<1	2	--	0	.0
JAN										
11...	1000	--	.080	.120	.080	<1	6	14	--	--
FEB										
15...	0930	.150	.020	.060	.030	<1	0	<10	0	--
MAR										
22...	1525	--	--	.030	--	<1	--	<10	20	--
29...	0920	.190	.020	.040	.010	<1	3	<10	--	--
MAY										
03...	1400	.140	.020	.060	.010	<1	2	<10	20	--
31...	0910	.190	.040	.090	.030	<1	<1	<10	--	--
JUL										
05...	1510	.270	.040	.080	.010	<1	7	<10	90	--
AUG										
09...	0930	.230	.020	.050	<.010	<1	2	<10	70	--
SEP										
06...	0945	--	.010	.060	<.010	1	<1	11	--	--
13...	0927	.310	.050	--	.010	<1	1	15	30	--

DATE	TIME	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)
NOV									
02...	1030	.000	.000	.000	.000	.000	.00	.00	.0

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 southeast of Egypt, 2.2 mi northwest of Winesburg, and at mile 143.

DRAINAGE AREA.--701 mi^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 National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--19 years, 813 ft^3/s, 15.75 in/yr, 589,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,940 ft^3/s Jan. 6, 1966, gage height, 21.88 ft; no flow Nov. 6-11, 16, 17, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,270 ft^3/s Dec. 30, gage height, 19.44 ft; no flow Nov. 6-11, 16, 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	1.6	3810	4900	263	44	384	3090	210	115	204	189
2	23	2.0	3580	4620	611	35	721	2760	133	85	136	254
3	23	1.6	3520	4320	834	32	1360	4350	90	79	118	287
4	23	.97	4380	4000	701	28	1610	4770	345	65	97	271
5	23	.27	4610	3640	473	219	1670	4830	394	94	89	237
6	23	.00	4680	3220	322	1210	2620	4770	403	69	100	194
7	23	.00	4690	2740	332	1370	3690	4580	242	66	128	189
8	26	.00	4590	2370	354	1010	3990	4400	113	51	213	200
9	24	.00	4400	2100	294	599	4070	4130	68	58	224	221
10	24	.00	4170	1890	261	339	3960	3820	53	57	195	234
11	21	.00	3970	1720	230	186	3720	3480	47	66	172	224
12	19	.03	3680	1560	192	107	3350	3890	49	74	240	186
13	18	1.2	3330	1380	164	74	2920	3970	44	65	286	216
14	17	1.2	2900	1120	111	55	3070	3610	38	60	258	260
15	15	.27	3100	820	84	41	2940	3630	126	59	232	260
16	14	.00	3320	572	69	37	2580	3610	217	68	140	270
17	13	.00	2960	408	51	33	2240	3150	129	173	117	248
18	12	.29	2450	289	42	38	1980	3150	72	396	102	210
19	11	1.7	2040	200	36	34	1740	4330	46	296	106	179
20	9.4	17	1660	124	33	28	1480	4550	36	172	130	170
21	8.7	153	1220	81	30	37	1120	4630	25	117	141	207
22	8.0	377	772	83	29	57	660	4660	24	94	148	222
23	7.0	834	510	88	54	47	1020	4480	23	75	131	197
24	6.5	944	1490	109	104	34	1730	4210	25	72	128	155
25	5.9	482	3930	159	153	27	1420	3850	28	72	116	131
26	5.3	294	4560	155	124	23	684	3440	42	65	132	105
27	4.6	2140	4850	126	80	531	355	2850	49	69	155	76
28	4.1	3740	5160	95	57	1470	211	1910	62	186	185	63
29	3.3	3920	5250	87	---	1450	131	912	104	147	197	56
30	2.7	3910	5250	102	---	920	1970	491	166	232	180	47
31	1.9	---	5130	101	---	517	---	322	---	262	197	---
TOTAL	443.4	16822.13	109962	43179	6088	10632	59396	110625	3403	3559	4997	5758
MEAN	14.3	561	3547	1393	217	343	1980	3569	113	115	161	192
MAX	26	3920	5250	4900	834	1470	4070	4830	403	396	286	287
MIN	1.9	.00	510	81	29	23	131	322	23	51	89	47
CFSM	.02	.80	5.06	1.99	.31	.49	2.83	5.09	.16	.16	.23	.27
IN.	.02	.89	5.84	2.29	.32	.56	3.15	5.87	.18	.19	.27	.31
AC-FT	879	33370	218100	85650	12080	21090	117800	219400	6750	7060	9910	11420

CAL YR 1982	TOTAL	330756.53	MEAN	906	MAX	5250	MIN	.00	CFSM	1.29	IN	17.55	AC-FT	656100
WTR YR 1983	TOTAL	374864.53	MEAN	1027	MAX	5250	MIN	.00	CFSM	1.47	IN	19.89	AC-FT	743500

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 west of Cash.

DRAINAGE AREA.--735 mi^2.

PERIOD OF RECORD.--April 1974 to September 1983 (discontinued).

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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...	0715	0	9827	9827	19	7.7	13.0	21.0	100	6.6
NOV 10...	0650	0	9827	9827	.00	8.1	12.0	11.0	60	6.0
JAN 11...	0655	0	9827	9827	1800	7.2	-4.0	4.0	170	11.4
FEB 15...	1255	0	9827	9827	88	7.3	17.0	9.0	25	10.7
MAR 15...	1430	0	9827	9827	43	7.0	23.0	18.0	140	9.8
APR 26...	0700	0	9827	9827	720	6.8	21.0	18.0	200	8.1
MAY 24...	1035	0	9827	9827	4400	6.6	36.0	21.0	330	5.6
JUN 21...	0840	0	9827	9827	26	7.4	33.0	27.0	130	5.6
JUL 26...	0630	0	9827	9827	60	8.0	26.0	30.0	70	4.6
AUG 23...	1400	0	9827	9827	140	8.0	--	--	75	7.7
SEP 26...	1435	0	9827	9827	110	--	31.0	23.0	40	9.2

DATE	TIME	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...	0715	--	--	2.7	150	88	8.0	17	188	.26
NOV 10...	0650	54	--	4.0	4	120	7.0	21	211	.29
JAN 11...	0655	87	31	1.3	40	28	32	4.0	194	.26
FEB 15...	1255	--	34	2.9	100	40	12	6.5	238	.32
MAR 15...	1430	--	30	2.7	70	48	--	9.0	181	.25
APR 26...	0700	--	34	2.8	350	--	9.0	5.0	--	--
MAY 24...	1035	--	39	2.3	120	--	--	4.5	298	.41
JUN 21...	0840	--	38	--	90	--	19	15	184	.25
JUL 26...	0630	--	--	1.1	130	--	15	25	234	.32
AUG 23...	1400	--	27	4.3	64	--	12	11	267	.36
SEP 26...	1435	--	24	2.5	230	--	7.0	23	291	.40

07077400 CACHE RIVER NEAR CASH, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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									
13...	0715	129	--	.070	1.4	1.5	--	--	.220
NOV									
10...	0650	78	.010	.030	.67	.70	.71	3.1	.220
JAN									
11...	0655	73	.090	.280	.72	1.0	1.1	4.8	.340
FEB									
15...	1255	130	.270	.150	--	--	--	--	--
MAR									
15...	1430	96	--	.120	1.5	1.6	--	--	.280
APR									
26...	0700	144	.350	.110	1.5	1.6	2.0	8.6	.300
MAY									
24...	1035	161	.200	.260	1.9	2.2	2.4	11	.520
JUN									
21...	0840	154	.160	.470	1.4	1.9	2.1	9.1	.320
JUL									
26...	0630	112	.020	.030	1.8	1.8	1.8	8.1	.250
AUG									
23...	1400	127	.110	.030	1.1	1.1	1.2	5.4	.230
SEP									
26...	1435	68	.010	.010	.99	1.0	1.0	4.5	.160

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	PCB, TOTAL (UG/L) (39516)
OCT									
13...	0715	.090	<5	<1	5	<10	<5	--	--
NOV									
10...	0650	.060	--	<1	2	<10	--	--	--
JAN									
11...	0655	.310	<5	<1	5	10	--	--	--
FEB									
15...	1255	.310	--	<1	8	38	--	--	--
MAR									
15...	1430	.190	--	<1	20	19	--	--	--
APR									
26...	0700	.160	<5	--	8	--	<5	--	--
MAY									
24...	1035	.260	--	1	5	28	--	60	--
JUN									
21...	0840	--	--	1	5	35	--	--	--
JUL									
26...	0630	.070	6	<1	1	37	<5	30	--
AUG									
23...	1400	.060	--	1	3	18	--	50	--
SEP									
26...	1435	.050	--	<1	<1	15	--	20	.0

DATE	TIME	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)
SEP									
26...	1435	.000	.000	.000	.000	.000	.00	.00	.0

WHITE RIVER BASIN

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 upstream from Maple Slough, and at mile 77.2.

DRAINAGE AREA.--1,037 mi^2.

PERIOD OF RECORD.--October 1952 to May 1955, October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
NOV 08...	0900	0	80513	80010	320	7.8	12.0	6.1	57	760	3.2
JAN 12...	0900	0	80513	80010	68	7.2	4.5	7.6	58	772	1.6
MAR 07...	0915	0	80513	80010	102	7.0	14.0	--	--	760	3.4
MAY 10...	0930	9	80513	80010	66	7.0	17.0	7.5	78	760	2.0
JUL 06...	1610	9	80513	80010	163	7.7	26.5	4.3	53	767	3.2
SEP 07...	0800	9	80513	80010	434	7.9	26.0	4.6	57	759	1.7

DATE	TIME	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	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)
NOV 08...	0900	90	160	130	0	0	35	10	12	17	.5
JAN 12...	0900	K67	420	21	0	0	5.0	2.0	6.1	37	.6
MAR 07...	0915	700	3000	35	4	4	8.9	3.0	9.6	37	.7
MAY 10...	0930	240	K60	19	1	1	4.8	1.8	6.8	41	.7
JUL 06...	1610	K170	230	59	4	4	16	4.7	13	31	.8
SEP 07...	0800	K44	320	180	0	0	46	16	24	22	.8

DATE	TIME	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)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	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)
NOV 08...	0900	2.7	149	7.0	7.4	.20	.100	--	<.010	<.010	.100
JAN 12...	0900	1.4	22	4.0	5.5	.20	.200	.180	.100	.010	.300
MAR 07...	0915	1.2	31	14	8.8	.40	.380	.280	.120	.010	.500
MAY 10...	0930	1.2	18	11	6.9	.20	.280	.330	.120	<.010	.400
JUL 06...	1610	2.0	55	15	12	.40	.550	.630	.050	<.010	.600
SEP 07...	0800	2.1	205	16	13	.30	.200	.130	<.010	<.010	.200

07077500 CACHE RIVER AT PATTERSON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	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)
NOV											
08...	0900	<.100	.090	.060	.08	.31	.84	.40	.00	.90	.50
JAN											
12...	0900	.190	.270	.190	.24	.33	.61	.60	.00	.80	.90
MAR											
07...	0915	.290	.320	.170	.22	1.2	.73	1.5	.60	.90	2.0
MAY											
10...	0930	.330	.300	.240	.31	.70	.66	1.0	.10	.90	1.4
JUL											
06...	1610	.630	.110	.050	.06	.99	.85	1.1	.20	.90	1.7
SEP											
07...	0800	.130	.090	.060	.08	.11	.24	.20	.00	.30	.40

DATE	TIME	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)	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)
NOV											
08...	0900	2.2	--	.120	.37	.130	200	2	30	<1	<1
JAN											
12...	0900	4.0	.99	.590	1.8	.100	--	--	70	--	--
MAR											
07...	0915	8.9	1.2	.360	1.1	.060	--	--	80	--	--
MAY											
10...	0930	6.2	1.2	.280	.86	.100	--	--	70	--	--
JUL											
06...	1610	7.5	1.5	.130	.40	.080	--	--	60	--	--
SEP											
07...	0800	1.8	.43	.130	.40	.120	--	--	70	--	--

DATE	TIME	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)	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)
NOV										
08...	0900	1	5	700	3	940	<.1	2	<1	30

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 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
19...	1023	0	9827	9827	7.7	20.0	18.0	--	6.9	73
NOV										
02...	1100	0	9827	9827	7.8	19.0	18.0	25	9.4	99
JAN										
11...	1035	0	9827	9827	6.6	15.0	7.0	140	10.0	82
FEB										
15...	1010	0	9827	9827	6.9	12.0	9.0	10	10.2	--
MAR										
22...	1500	0	9827	9827	7.1	13.0	14.0	140	8.4	81
29...	0950	0	9827	9827	7.2	16.0	12.0	100	8.1	75
MAY										
03...	1330	0	9827	9827	6.8	21.0	20.0	100	5.6	--
31...	0935	0	9827	9827	6.8	18.0	21.0	130	4.8	--
JUL										
05...	1440	0	9827	9827	7.2	29.0	27.0	70	6.7	--
AUG										
09...	1015	0	9827	9827	7.5	32.0	29.0	30	6.8	--
SEP										
06...	1000	0	9827	9827	--	25.0	27.0	30	6.8	--
13...	0946	0	9827	9827	7.7	24.0	27.0	30	5.1	--

DATE	TIME	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									
19...	1023	24	5.9	12	--	4.0	26	214	.29
NOV									
02...	1100	14	3.2	--	--	5.0	28	211	.29
JAN									
11...	1035	28	2.0	36	28	3.0	4.5	193	.26
FEB									
15...	1010	28	1.0	8	32	9.0	4.0	161	.22
MAR									
22...	1500	33	4.3	360	50	7.0	8.0	226	.31
29...	0950	21	1.5	12	64	7.0	13	207	.28
MAY									
03...	1330	27	1.4	88	--	--	4.0	161	.22
31...	0935	14	1.3	20	--	3.0	3.5	216	.29
JUL									
05...	1440	28	5.6	1400	--	4.0	16	152	.21
AUG									
09...	1015	15	3.7	36	--	12	29	209	.28
SEP									
06...	1000	--	2.6	4	--	9.0	24	246	.33
13...	0946	--	2.8	880	--	13	18	243	.33

07077600 CACHE RIVER AT BRASFIELD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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									
19...	1023	49	--	.190	.91	1.1	--	--	.180
NOV									
02...	1100	20	.040	.010	.29	.30	.34	1.5	.060
JAN									
11...	1035	38	--	.090	.71	.80	--	--	.290
FEB									
15...	1010	58	.250	.120	.38	.50	.75	3.3	.280
MAR									
22...	1500	54	--	--	--	1.3	--	--	.310
29...	0950	42	.370	.150	.75	.90	1.3	5.6	.240
MAY									
03...	1330	34	.130	.120	.88	1.0	1.1	5.0	.260
31...	0935	38	.260	.160	1.4	1.6	1.9	8.2	.370
JUL									
05...	1440	76	.290	.060	1.6	1.7	2.0	8.8	.290
AUG									
09...	1015	28	.150	.070	--	<.10	--	--	.120
SEP									
06...	1000	30	--	.060	.64	.70	--	--	.130
13...	0946	30	.130	.090	.91	1.0	1.1	5.0	--

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	PCB, TOTAL (UG/L) (39516)
OCT									
19...	1023	.010	5	<1	1	26	<5	--	--
NOV									
02...	1100	.010	--	<1	7	--	--	<0	.0
JAN									
11...	1035	.220	<5	<1	8	10	<5	--	--
FEB									
15...	1010	.180	--	<1	7	13	--	30	--
MAR									
22...	1500	--	--	<1	--	<10	--	30	--
29...	0950	.150	<5	<1	6	<10	<5	--	--
MAY									
03...	1330	.190	--	<1	5	17	--	40	--
31...	0935	.280	--	<1	6	13	--	--	--
JUL									
05...	1440	.020	<5	<1	5	<10	<5	40	--
AUG									
09...	1015	<.010	--	<1	<1	<10	--	30	--
SEP									
06...	1000	.020	--	1	<1	23	--	--	--
13...	0946	.010	--	<1	1	11	--	20	--

DATE	TIME	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)
NOV									
02...	1100	.000	.000	.000	.000	.000	.00	.00	.0

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 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT											
13...	0645	0	9827	9827	--	7.4	13.0	21.0	40	8.3	--
NOV											
10...	0630	0	9827	9827	51	8.7	12.0	14.0	20	9.0	86
JAN											
11...	0630	0	9827	9827	1900	7.2	-3.0	3.0	75	12.1	90
FEB											
15...	1330	0	9827	9827	--	7.6	17.0	11.0	40	13.0	--
MAR											
16...	1355	0	9827	9827	18	8.4	23.0	20.0	40	14.5	--
APR											
26...	1820	0	9827	9827	--	7.1	24.0	20.0	55	9.4	--
MAY											
24...	1000	0	9827	9827	--	7.0	36.0	20.0	95	8.6	--
JUN											
21...	0815	0	9827	9827	--	7.8	33.0	26.0	6.4	6.9	--
JUL											
26...	0600	0	9827	9827	22	7.9	26.0	29.0	20	6.3	--
AUG											
23...	1320	0	9827	9827	55	8.2	40.0	30.0	8.5	12.3	--
SEP											
26...	1415	0	9827	9827	--	--	31.0	21.0	20	8.8	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT										
13...	0645	2.5	420	36	9.0	8.5	81	.11	37	--
NOV										
10...	0630	2.6	12	46	13	24	137	.19	14	1.00
JAN										
11...	0630	2.0	580	24	8.0	7.0	117	.16	26	.470
FEB										
15...	1330	3.6	23	50	15	14	143	.19	28	.500
MAR										
16...	1355	2.3	44	46	17	19	139	.19	26	--
APR										
26...	1820	3.0	450	--	8.0	6.5	--	--	32	.330
MAY										
24...	1000	1.9	150	--	--	4.5	234	.32	138	.280
JUN										
21...	0815	--	100	--	25	40	238	.32	22	.670
JUL										
26...	0600	4.6	270	--	39	31	255	.35	30	.440
AUG										
23...	1320	2.6	--	--	28	27	280	.38	18	.030
SEP										
26...	1415	1.8	800	--	16	30	205	.28	24	.700

07077660 BAYOU DEVIEW NEAR GIBSON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT										
13...	0645	.070	.880	.800	--	<1	2	<10	--	--
NOV										
10...	0630	.030	3.00	2.70	--	<1	5	<10	--	--
JAN										
11...	0630	.290	.750	.550	--	<1	<1	<10	--	--
FEB										
15...	1330	.600	--	1.00	--	1	<1	32	--	--
MAR										
16...	1355	.130	1.40	1.00	--	<1	8	29	--	--
APR										
26...	1820	.030	.340	.250	--	--	10	--	--	--
MAY										
24...	1000	.120	.350	.120	--	1	2	43	--	340
JUN										
21...	0815	.150	2.80	--	--	1	<1	21	--	--
JUL										
26...	0600	.180	.740	.480	5	1	<1	20	<5	30
AUG										
23...	1320	.010	.490	.360	--	1	<1	34	--	40
SEP										
26...	1415	.080	1.70	1.25	--	4	<1	39	--	50

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 west of Morton, and at mile 39.6.

DRAINAGE AREA.--421 mi^2.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
NOV 08...	0930	0	80513	80010	352	7.7	11.0	6.2	56	760	4.3
JAN 12...	0945	0	80513	80010	69	7.1	5.0	8.8	68	772	1.9
MAR 07...	1000	0	80513	80010	115	7.0	14.0	--	--	760	3.8
MAY 10...	1030	9	80513	80010	63	7.2	17.0	5.7	59	760	2.3
JUL 06...	1650	9	80513	80010	150	7.6	26.0	2.8	34	767	3.0
SEP 07...	0830	9	80513	80010	463	7.9	26.0	2.3	28	761	2.4

DATE	TIME	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	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)
NOV 08...	0930	K33	K32	110	0	0	27	9.5	18	24	.8
JAN 12...	0945	K100	K1400	22	0	0	5.5	2.1	6.3	36	.6
MAR 07...	1000	720	K6200	34	8	8	9.0	2.9	13	44	1
MAY 10...	1030	K120	210	20	1	1	5.3	1.7	5.6	36	.6
JUL 06...	1650	230	500	53	8	8	14	4.5	13	34	.8
SEP 07...	0830	K140	320	200	0	0	52	17	26	22	.8

DATE	TIME	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)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	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)
NOV 08...	0930	13	107	22	26	.20	.090	--	.010	<.010	.100
JAN 12...	0945	1.5	23	4.0	5.8	.20	.240	.130	.060	<.010	.300
MAR 07...	1000	1.4	26	9.0	14	.50	.810	.850	.190	.040	1.00
MAY 10...	1030	1.4	19	5.0	5.1	.20	.200	.190	.100	.020	.300
JUL 06...	1650	1.1	46	15	13	.50	.760	.770	.140	.070	.900
SEP 07...	0830	1.9	208	22	17	.50	.170	.140	.030	.040	.200

07077700 BAYOU DEVIEW AT MORTON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	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)
NOV											
08...	0930	<.100	.090	.060	.08	.51	.64	.60	.00	.70	.70
JAN											
12...	0945	.130	.190	.150	.19	.31	.75	.50	.00	.90	.80
MAR											
07...	1000	.890	.700	.310	.40	1.1	1.5	1.8	.00	1.8	2.8
MAY											
10...	1030	.210	.260	.170	.22	.84	.83	1.1	.10	1.0	1.4
JUL											
06...	1650	.840	.390	.160	.21	1.8	1.4	2.2	.60	1.6	3.1
SEP											
07...	0830	.180	.120	.090	.12	2.0	1.4	2.1	.60	1.5	2.3

DATE	TIME	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)	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)
NOV											
08...	0930	3.1	--	.150	.46	.060	910	2	70	<1	<1
JAN											
12...	0945	3.5	1.0	.490	1.5	.080	--	--	60	--	--
MAR											
07...	1000	12	2.7	.590	1.8	.140	--	--	110	--	--
MAY											
10...	1030	6.2	1.2	.230	.71	.090	--	--	60	--	--
JUL											
06...	1650	14	2.4	.100	.31	.070	--	--	80	--	--
SEP											
07...	0830	10	1.7	.200	.61	.110	--	--	90	--	--

DATE	TIME	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)	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)
NOV										
08...	0930	<1	29	940	6	610	<.1	6	<1	30

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 upstream from Big Rhobe Bayou, and 5.6 mi northeast of Brasfield.

DRAINAGE AREA.--632 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
19...	1050	0	9827	9827	7.6	20.0	17.0	--	5.4	56
NOV										
02...	1120	0	9827	9827	7.5	19.0	18.0	8.4	4.3	45
JAN										
11...	1100	0	9827	9827	6.7	15.0	7.0	100	10.0	82
FEB										
15...	1045	0	9827	9827	6.8	12.0	9.0	75	8.4	--
MAR										
22...	1435	0	9827	9827	7.1	14.0	12.0	65	9.4	87
29...	1025	0	9827	9827	7.1	16.0	12.0	50	9.2	85
MAY										
03...	1300	0	9827	9827	6.8	20.0	20.0	100	3.7	--
31...	1020	0	9827	9827	6.7	18.0	22.0	100	4.6	--
JUL										
05...	1410	0	9827	9827	6.9	29.0	27.0	55	5.3	--
AUG										
09...	1040	0	9827	9827	7.3	32.0	28.0	30	5.2	--
SEP										
06...	1025	0	9827	9827	--	27.0	26.0	20	4.8	--
13...	1005	0	9827	9827	7.5	23.0	25.0	25	4.6	--

DATE	TIME	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									
19...	1050	1.4	64	--	3.0	--	190	.26	28
NOV									
02...	1120	2.0	--	--	10	22	201	.27	8
JAN									
11...	1100	1.8	32	26	4.0	5.0	149	.20	18
FEB									
15...	1045	1.5	20	33	13	4.0	151	.21	18
MAR									
22...	1435	1.0	52	50	6.0	7.0	170	.23	6
29...	1025	1.6	8	48	7.0	6.5	152	.21	9
MAY									
03...	1300	1.9	80	--	--	5.0	174	.24	21
31...	1020	1.0	8	--	5.0	4.0	203	.28	22
JUL									
05...	1410	1.0	76	--	4.0	8.5	109	.15	50
AUG									
09...	1040	1.7	130	--	8.0	13	128	.17	19
SEP									
06...	1025	1.8	110	--	9.0	15	156	.21	14
13...	1005	1.0	100	--	14	19	180	.24	17

07077750 BAYOU DEVIEW NEAR BRASFIELD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT									
19...	1050	--	.180	.130	.140	<1	1	18	--
NOV									
02...	1120	.020	.010	.080	.040	<1	5	--	70
JAN									
11...	1100	--	.110	.220	.180	<1	4	18	--
FEB									
15...	1045	.100	.060	.210	.150	<1	4	22	40
MAR									
22...	1435	--	--	.220	--	<1	--	17	60
29...	1025	.070	.060	.180	.120	<1	1	11	--
MAY									
03...	1300	.180	.070	.310	.270	<1	4	15	40
31...	1020	.290	.110	.400	.310	<1	4	15	--
JUL									
05...	1410	.080	.100	.280	.160	<1	4	20	140
AUG									
09...	1040	.070	.100	.170	.080	<1	<1	<10	50
SEP									
06...	1025	--	.100	.130	.040	1	<1	<10	--
13...	1005	.060	.080	--	.010	<1	<1	<10	20

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 downstream from Cache River and at mile 100.1.

DRAINAGE AREA.--25,555 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1965 to September 1981 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 National Geodetic Vertical Datum of 1929, or 140.02 ft 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, since 1948 by Clearwater Lake (Missouri), capacity, 413,700 acre-ft, since July 24, 1951, by Bull Shoals Lake, 307 mi upstream, capacity, 5,408,000 acre-ft, since Sept. 9, 1956, by Table Rock Lake (Missouri), capacity, 3,567,500 acre-ft, and since Dec. 26, 1963, by Beaver Lake, capacity, 1,951,500 acre-ft.

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--53 years, 29,510 ft^3/s, 21,380,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 299,000 ft^3/s Apr. 23, 1945; maximum gage height, 39.10 ft Apr. 24, 1945; minimum discharge, 2,900 ft^3/s Sept. 4, 1936.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1874, 43.3 ft Apr. 23, 1927.

EXTREMES FOR WATER YEAR 1981.--Maximum daily discharge, 31,200 ft^3/s June 10; minimum daily, 5,400 ft^3/s Oct. 16, Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8800	9500	11900	8500	7000	13900	12300	10300	27600	14000	9800	13600
2	8700	9800	11600	8100	7200	14500	11400	9900	28000	13800	9600	13600
3	8400	9900	11200	7900	8100	14900	10900	9400	28100	13500	9700	13800
4	8200	9700	10900	8000	9200	15600	11300	9000	28600	13100	9900	13800
5	7900	9200	10700	7900	10200	17100	13000	8700	29100	12900	10200	13600
6	7600	8800	10700	7500	10700	18800	13700	8500	29900	12500	10500	13300
7	7400	8500	10600	6900	10800	20000	13500	8300	30300	12000	10700	12500
8	7300	8600	10500	6400	10900	20600	12900	8200	30700	11800	11200	11600
9	7200	8900	12400	6000	10800	20800	12300	8000	31000	12000	11500	10800
10	6900	8800	15400	5900	10900	20600	11800	7700	31200	12100	11400	10000
11	6600	8200	17300	6000	11500	20100	11200	7500	30500	12100	11100	9600
12	6300	7800	17300	6200	13400	19500	10700	7700	29300	12000	10700	9600
13	6000	7400	16800	6400	15900	18600	10300	7900	29800	11500	10400	9700
14	5800	7700	16100	7000	18100	17300	9800	8700	30300	11200	10100	9600
15	5500	8500	15400	8100	20100	16100	9300	10200	30600	11100	9900	9100
16	5400	9300	14700	9300	21000	14900	9000	12000	30600	11300	10100	8900
17	5500	10400	13900	10200	20700	13800	8700	14300	29000	11500	10400	8600
18	5800	12600	13400	10600	19700	12900	8400	16300	28000	11400	10600	8000
19	7700	14200	12700	10700	17900	12100	8100	17100	26800	11500	10900	7500
20	9300	14400	12100	10800	16200	11500	7900	17800	25600	11300	11500	7300
21	9400	14200	11700	10800	14800	11500	7700	19100	24500	11100	12800	7200
22	8900	14400	11700	10600	13900	12800	7700	20100	23600	10700	14600	6800
23	8300	14700	12800	9900	13100	15400	7900	20500	22400	10400	15500	6400
24	7800	14500	13900	9200	13200	17000	8500	20100	20900	9900	15300	6100
25	7400	13900	14100	8700	13600	17900	9300	19500	19700	9700	14800	5900
26	7400	13200	13500	8500	13700	17900	10000	19600	18700	9700	14500	5600
27	7800	12700	12600	8300	13500	17000	10500	21200	17800	9600	14500	5500
28	8200	12400	11400	8200	13400	15700	10800	24200	16900	9500	14500	5600
29	8500	12200	10200	7900	---	14500	10800	26100	16000	9700	14500	5500
30	8800	12100	9300	7500	---	14000	10700	26700	14900	10200	14200	5400
31	9000	---	8800	7100	---	13300	---	27000	---	10100	13800	---
TOTAL	233800	326500	395600	255100	379500	500600	310400	451600	780400	353200	369200	274500
MEAN	7542	10880	12760	8229	13550	16150	10350	14570	26010	11390	11910	9150
MAX	9400	14700	17300	10800	21000	20800	13700	27000	31200	14000	15500	13800
MIN	5400	7400	8800	5900	7000	11500	7700	7500	14900	9500	9600	5400
AC-FT	463700	647600	784700	506000	752700	992900	615700	895700	1548000	700600	732300	544500

CAL YR 1980	TOTAL	6510700	MEAN	17790	MAX	50400	MIN	5400	AC-FT	12910000
WTR YR 1981	TOTAL	4630400	MEAN	12690	MAX	31200	MIN	5400	AC-FT	9184000

07077800 WHITE RIVER AT CLARENDON, AR--CONTINUED
(National stream-quality accounting network)

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV 02...	1030	0	80513	80010	8450	308	8.3	16.5	16	9.7
FEB 02...	0930	0	80513	80010	65400	213	7.8	7.0	28	10.6
JUN 02...	0930	9	80513	80010	62400	198	8.0	21.5	33	6.2
SEP 01...	1045	9	80513	80010	17700	270	8.3	24.0	26	7.6

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
NOV 02...	1030	100	759	43	37	150	0	0	34	16
FEB 02...	0930	89	749	38	790	100	3	3	25	9.8
JUN 02...	0930	70	761	9	22	100	8	8	25	9.6
SEP 01...	1045	91	761	K18	64	130	7	7	34	12

DATE	TIME	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 02...	1030	3.2	4	.1	1.3	152	8.0	5.0	<.10	5.4
FEB 02...	0930	2.4	5	.1	1.6	100	10	3.5	<.10	3.7
JUN 02...	0930	2.3	5	.1	1.6	94	7.8	3.0	<.10	5.5
SEP 01...	1045	3.4	5	.1	1.5	128	8.0	4.8	.20	5.2

DATE	TIME	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, NITRATE DISSOLVED (MG/L AS N) (00618)	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)
NOV 02...	1030	158	160	.21	--	<.100	.020	.03	.30	.020
FEB 02...	0930	118	120	.16	.200	.200	.070	.09	.50	.090
JUN 02...	0930	128	110	.17	.170	.170	.100	.13	.50	.080
SEP 01...	1045	181	150	.25	.370	.370	.300	.39	.30	.030

07077800 WHITE RIVER AT CLARENDON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
NOV										
02...	1030	.06	<.010	<.010	--	1	45	1	1	--
FEB										
02...	0930	.28	.020	.010	10	2	40	<1	<1	3
JUN										
02...	0930	.25	.040	.030	140	1	47	<.5	<1	<1
SEP										
01...	1045	.09	.010	.020	40	3	55	<.5	<1	1

DATE	TIME	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
NOV									
02...	1030	3	1	7	<1	4	7	<.1	10
FEB									
02...	0930	<3	7	57	2	<4	15	<.1	<10
JUN									
02...	0930	<3	3	110	1	<4	24	<.1	<10
SEP									
01...	1045	<3	<1	16	1	<4	2	<.1	<10

DATE	TIME	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	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)
NOV									
02...	1030	<1	<1	<1	40	4	58	1320	81
FEB									
02...	0930	2	<1	<1	31	7	42	7420	75
JUN									
02...	0930	1	<1	<1	38	<3	53	8930	75
SEP									
01...	1045	2	<1	<1	41	8	98	4680	80

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 east of St. Charles.

DRAINAGE AREA.--25,809 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
05...	1430	0	9827	9827	--	29.0	23.0	30	8.6	99
26...	1420	0	9827	9827	8.2	18.0	14.0	20	10.8	104
DEC										
07...	0955	0	9827	9827	7.3	8.0	12.0	100	7.9	73
JAN										
04...	1435	0	9827	9827	7.2	6.0	6.0	70	9.7	78
FEB										
22...	1435	0	9827	9827	8.1	13.0	9.0	20	11.5	99
MAR										
08...	1000	0	9827	9827	7.8	9.0	12.0	35	9.4	87
29...	1420	0	9827	9827	7.9	13.0	11.0	25	11.3	102
MAY										
03...	1020	0	9827	9827	7.5	15.0	17.0	20	7.4	--
31...	1025	0	9827	9827	7.5	13.0	19.0	25	6.1	--
JUL										
05...	1420	0	9827	9827	7.7	28.0	21.0	65	7.1	--
AUG										
02...	1425	0	9827	9827	7.9	33.0	28.0	40	8.8	--
SEP										
06...	1010	0	9827	9827	8.0	25.0	24.0	30	8.2	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT										
05...	1430	2.2	16	130	--	9.5	--	--	42	<.010
26...	1420	4.0	4	140	7.0	7.5	175	.24	26	.050
DEC										
07...	0955	2.5	550	84	9.0	6.0	122	.17	--	.340
JAN										
04...	1435	1.7	96	60	9.0	3.0	127	.17	34	--
FEB										
22...	1435	1.6	32	100	7.0	4.0	123	.17	18	.060
MAR										
08...	1000	2.2	40	100	9.0	5.5	117	.16	50	.170
29...	1420	2.1	8	--	5.0	--	145	.20	39	.150
MAY										
03...	1020	1.6	12	--	7.0	3.5	114	.16	22	.090
31...	1025	2.0	6	--	4.0	4.5	141	.19	12	.140
JUL										
05...	1420	1.4	20	--	3.0	5.0	135	.18	108	.280
AUG										
02...	1425	3.2	8	--	5.0	6.0	132	.18	82	.200
SEP										
06...	1010	2.4	14	--	10	6.5	146	.20	55	.230

07077820 WHITE RIVER AT ST. CHARLES, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT									
05...	1430	.070	.050	.020	<1	2	<10	0	.0
26...	1420	.010	.030	.010	<1	<1	--	30	--
DEC									
07...	0955	.040	.200	.070	<1	<10	3	0	--
JAN									
04...	1435	.070	.180	.090	<1	5	<10	20	.0
FEB									
22...	1435	.010	.070	.020	<1	6	24	20	--
MAR									
08...	1000	.040	.090	.020	<1	6	<10	10	--
29...	1420	.040	.080	.010	2	2	<10	20	--
MAY									
03...	1020	.050	.080	.040	<1	<1	<10	0	--
31...	1025	.080	.110	.060	<1	<1	13	0	--
JUL									
05...	1420	.080	.120	.010	--	4	<10	10	--
AUG									
02...	1425	.050	.130	.010	<1	<1	<10	10	--
SEP									
06...	1010	.110	.070	.010	<1	<1	<10	0	--

DATE	TIME	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)
OCT									
05...	1430	.000	.000	.000	.000	.000	.00	.00	.0
JAN									
04...	1435	.000	.000	.000	.000	.000	.00	.00	.0

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 upstream from Crooked Creek, and 3.9 mi east of Marvel.

DRAINAGE AREA.--448 mi^2, includes that of Crooked Creek. Area at site used prior to September 30, 1972, 459 mi^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 National Geodetic Vertical Datum of 1929. Auxiliary water-stage recorder 7.0 mi downstream at same datum. Prior to February 6, 1978, auxiliary water-stage recorder at site 8.7 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 periods of no gage-height record, Jan. 9 to Feb. 8, and Aug. 9 to Sept. 7, which are poor.

AVERAGE DISCHARGE.--13 years, 610 ft^3/s, 441,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,910 ft^3/s Apr. 23, 1973, gage height, 31.74 ft; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1954, 31.74 ft Apr. 23, 1973, discharge, 5,910 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,050 ft^3/s May. 21, gage height, 31.18 ft; no flow Oct. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	3.4	920	3290	1250	402	74	1360	1970	119	119	20
2	2.2	3.0	1010	3110	1460	390	344	1270	1770	147	68	20
3	.50	2.8	1160	2930	1320	379	316	1220	1590	201	50	15
4	.10	2.5	1790	2710	1190	361	201	1180	1550	193	45	15
5	.00	2.4	2250	2490	1030	676	769	1110	1380	227	79	15
6	1.0	2.1	2380	2270	1120	1050	1310	1030	1190	362	128	20
7	87	1.9	2330	2050	1200	1020	1540	960	1030	270	66	30
8	82	1.6	2220	1890	1090	933	1580	889	891	193	55	56
9	64	1.4	2110	2000	881	826	1570	818	775	145	50	64
10	69	1.1	1990	2090	905	742	1520	745	655	112	45	75
11	43	.89	2030	2050	941	686	1450	664	536	86	45	81
12	15	.71	2050	1960	899	643	1360	747	423	68	40	80
13	9.2	.64	1910	1860	836	603	1310	1350	318	61	40	81
14	8.8	.46	1740	1720	773	561	1860	1930	321	59	35	80
15	8.2	.38	2480	1600	706	516	2070	2910	495	57	35	80
16	7.9	.28	3020	1480	641	466	1990	3370	352	56	30	79
17	7.4	.27	2970	1350	572	425	1800	3410	240	82	30	84
18	7.9	1.8	2830	1210	498	378	1630	3590	177	69	30	82
19	11	3.4	2690	1090	426	314	1460	4500	145	55	25	74
20	14	57	2540	940	351	248	1310	4300	136	50	25	124
21	14	217	2340	790	278	194	1160	4460	144	45	25	254
22	7.7	230	2130	860	256	152	1030	4790	179	40	25	290
23	6.1	196	1930	940	402	123	1580	4300	180	35	25	259
24	5.9	218	1760	1040	627	110	2160	3930	296	30	20	212
25	5.5	208	1890	970	756	98	2160	3640	400	55	20	167
26	11	190	2750	860	639	88	2020	3380	314	133	20	135
27	7.3	239	3430	760	499	82	1890	3130	247	178	20	119
28	4.8	619	4200	810	427	76	1770	2860	166	151	20	109
29	4.3	791	3930	870	---	69	1610	2630	106	128	20	100
30	4.2	844	3690	940	---	63	1460	2410	94	178	20	86
31	3.6	---	3480	1090	---	57	---	2180	---	174	20	---
TOTAL	522.60	3840.03	73950	50020	21973	12731	42304	75063	18070	3759	1275	2906
MEAN	16.9	128	2385	1614	785	411	1410	2421	602	121	41.1	96.9
MAX	87	844	4200	3290	1460	1050	2160	4790	1970	362	128	290
MIN	.00	.27	920	760	256	57	74	664	94	30	20	15
AC-FT	1040	7620	146700	99210	43580	25250	83910	148900	35840	7460	2530	5760

CAL YR 1982 TOTAL 223603.63 MEAN 613 MAX 4200 MIN .00 AC-FT 443500
WTR YR 1983 TOTAL 306413.63 MEAN 839 MAX 4790 MIN .00 AC-FT 607800

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 upstream from Little Cypress Creek, and 3.8 mi 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
19...	1320	0	9827	9827	7.7	24.0	19.0	--	5.1	54
NOV										
02...	1530	0	9827	9827	7.8	19.0	18.0	40	6.6	69
JAN										
11...	1410	0	9827	9827	6.9	15.0	7.0	80	10.2	84
FEB										
15...	1400	0	9827	9827	7.0	16.0	9.0	100	10.2	--
MAR										
22...	1100	0	9827	9827	7.5	11.0	13.0	95	9.8	92
29...	1345	0	9827	9827	7.6	16.0	13.0	50	7.7	73
MAY										
03...	0900	0	9827	9827	6.9	18.0	19.0	120	6.6	--
31...	1400	0	9827	9827	6.9	23.0	23.0	100	5.9	--
JUL										
05...	1050	0	9827	9827	7.0	26.0	25.0	1100	4.5	--
AUG										
09...	1415	0	9827	9827	7.6	34.0	29.0	70	5.2	--
SEP										
06...	1405	0	9827	9827	--	33.0	28.0	55	5.8	--
13...	1306	0	9827	9827	7.8	28.0	27.0	85	5.0	--

DATE	TIME	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										
19...	1320	--	2.4	40	--	17	20	272	.37	41
NOV										
02...	1530	--	2.6	--	--	16	18	308	.42	56
JAN										
11...	1410	--	1.9	46	32	4.0	5.5	123	.17	27
FEB										
15...	1400	--	1.8	92	42	12	4.0	154	.21	56
MAR										
22...	1100	--	4.9	84	100	10	9.5	210	.29	78
29...	1345	--	2.0	16	170	14	8.0	257	.35	58
MAY										
03...	0900	--	1.7	44	--	--	3.5	162	.22	52
31...	1400	--	1.7	6	--	5.0	4.0	166	.23	28
JUL										
05...	1050	--	3.9	1000	--	5.0	8.0	106	.14	1640
AUG										
09...	1415	160	3.1	100	--	13	9.5	214	.29	112
SEP										
06...	1405	--	2.3	--	--	16	16	372	.51	88
13...	1306	--	2.7	92	--	18	17	307	.42	137

07077960 BIG CREEK NEAR WATKINS CORNER, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT										
19...	1320	--	.430	.190	.030	1	2	28	--	.0
NOV										
02...	1530	.290	.110	.160	.050	<1	5	--	60	--
JAN										
11...	1410	--	.080	.260	.160	<1	3	17	--	--
FEB										
15...	1400	.200	.110	.310	.150	<1	4	32	90	--
MAR										
22...	1100	--	--	.320	--	<1	--	16	80	.0
29...	1345	.350	.300	.200	.070	<1	3	17	--	--
MAY										
03...	0900	.280	.150	.350	.220	<1	6	19	40	--
31...	1400	.250	.200	.390	.250	<1	4	21	--	.0
JUL										
05...	1050	.640	.180	2.10	.060	<1	22	<10	80	--
AUG										
09...	1415	.680	.100	.280	.040	--	<1	<10	60	--
SEP										
06...	1405	--	<.010	.300	.100	<1	2	<10	--	.0
13...	1306	.420	.080	--	.060	<1	3	16	60	--

DATE	TIME	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)
OCT									
19...	1320	.000	.000	.000	.000	.000	.00	.00	.0
MAR									
22...	1100	.000	.000	.000	.000	.000	.00	.00	.0
MAY									
31...	1400	.000	.000	.000	.000	.000	.00	.00	.0
SEP									
06...	1405	.000	.000	.000	.000	.000	.00	.00	.0

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 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
05...	1205	0	9827	9827	--	24.0	23.0	30	8.8	101
26...	1210	0	9827	9827	8.3	15.0	14.0	40	11.5	111
DEC										
07...	1110	0	9827	9827	7.3	10.0	12.0	60	8.6	80
JAN										
04...	1315	0	9827	9827	6.6	6.0	6.0	50	4.5	36
FEB										
22...	1240	0	9827	9827	7.9	12.0	9.0	30	10.8	93
MAR										
08...	1110	0	9827	9827	7.7	10.0	12.0	50	9.2	85
29...	1240	0	9827	9827	7.9	12.0	11.0	20	11.6	104
MAY										
03...	1125	0	9827	9827	7.1	16.0	17.0	7.8	4.7	--
31...	1130	0	9827	9827	6.9	15.0	19.0	15	2.9	--
JUL										
05...	1240	0	9827	9827	7.8	26.0	21.0	40	8.6	--
AUG										
02...	1240	0	9827	9827	8.0	32.0	28.0	35	9.2	--
SEP										
06...	1110	0	9827	9827	8.0	27.0	24.0	35	8.6	--

DATE	TIME	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									
05...	1205	7	2.9	8	140	--	14	--	--
26...	1210	13	3.9	4	130	8.0	7.0	178	.24
DEC									
07...	1110	18	3.7	120	76	7.0	7.5	133	.18
JAN									
04...	1315	21	1.3	32	26	8.0	3.5	110	.15
FEB									
22...	1240	--	1.6	<4	100	7.0	4.0	123	.17
MAR									
08...	1110	--	2.5	36	96	8.0	5.5	126	.17
29...	1240	7	1.7	<4	--	6.0	--	151	.21
MAY									
03...	1125	22	2.7	44	--	9.0	4.5	117	.16
31...	1130	15	2.0	10	--	5.0	4.0	116	.16
JUL									
05...	1240	8	3.4	230	--	6.0	6.0	147	.20
AUG									
02...	1240	7	3.5	16	--	8.0	6.5	135	.18
SEP									
06...	1110	--	3.6	64	--	11	8.0	158	.21

WHITE RIVER BASIN

07078285 WHITE RIVER AT ARKANSAS POST CANAL, NEAR NADY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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									
05...	1205	47	<.010	.040	.26	.30	--	--	.070
26...	1210	88	.010	.030	.47	.50	.51	2.3	.080
DEC									
07...	1110	--	.290	.040	.66	.70	.99	4.4	.200
JAN									
04...	1315	6	--	.060	.84	.90	--	--	.180
FEB									
22...	1240	24	.040	.020	--	--	--	--	.090
MAR									
08...	1110	64	.160	.050	.85	.90	1.1	4.7	.130
29...	1240	20	.150	.040	.96	1.0	1.2	5.1	.070
MAY									
03...	1125	12	.010	.090	.91	1.0	1.0	4.5	.080
31...	1130	4	.060	.150	.65	.80	.86	3.8	.140
JUL									
05...	1240	51	.270	.070	.63	.70	.97	4.3	.100
AUG									
02...	1240	51	.110	.070	--	<.10	--	--	.110
SEP									
06...	1110	46	.230	.050	1.4	1.4	1.6	7.2	.060

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	PCB, TOTAL (UG/L) (39516)
OCT									
05...	1205	.040	<5	1	<1	<10	<5	0	.0
26...	1210	.020	<5	<1	<1	--	<5	30	--
DEC									
07...	1110	.120	--	<1	--	<10	--	0	--
JAN									
04...	1315	.120	<5	<1	4	<10	<5	20	.0
FEB									
22...	1240	.030	--	<1	7	36	--	10	--
MAR									
08...	1110	.020	--	<1	5	<10	--	10	--
29...	1240	.010	<5	<1	3	<10	<5	10	.0
MAY									
03...	1125	.050	--	<1	<1	<10	--	10	--
31...	1130	.090	--	<1	<1	<10	--	0	--
JUL									
05...	1240	.020	<5	--	3	<10	<5	10	.0
AUG									
02...	1240	.010	--	<1	<1	<10	--	10	--
SEP									
06...	1110	.010	--	<1	<1	<10	--	40	--

DATE	TIME	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)
OCT									
05...	1205	.000	.000	.000	.000	.000	.00	.00	.0
JAN									
04...	1315	.000	.000	.000	.000	.000	.00	.00	.0
MAR									
29...	1240	.000	.000	.000	.000	.000	.00	.00	.0
JUL									
05...	1240	.000	.000	.000	.000	.000	.00	.00	.0

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 north of Caverna, Mo., and 0.1 mi downstream from Bear Creek.

DRAINAGE AREA.--118 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 19...	0831	0	9827	9827	--	8.0	12.0	18.0	10	11.6
NOV 23...	1445	0	9827	9827	--	7.7	1.0	9.0	6.8	9.2
DEC 14...	1215	0	9827	9827	--	7.7	10.0	9.0	7.8	10.3
FEB 16...	0730	0	9827	9827	--	7.7	1.0	8.0	6.0	9.4
MAR 08...	1615	0	9827	9827	130	8.0	7.0	10.0	4.5	--
APR 12...	1030	0	9827	9827	180	7.8	22.0	15.0	6.0	9.7
MAY 10...	1400	0	9827	9827	175	7.9	30.0	19.0	7.0	9.8
JUN 28...	1500	0	9827	9827	--	7.8	25.0	23.0	8.5	8.7
JUL 19...	1725	0	9827	9827	36	8.3	33.0	29.0	3.5	12.4
AUG 16...	0545	0	9827	9827	22	8.2	39.0	30.0	5.5	12.1
30...	1400	0	9827	9827	198	7.9	--	--	20	--
SEP 13...	1500	0	9827	9827	17	7.9	27.0	24.0	50	10.0

DATE	TIME	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 19...	0831	122	3.4	4	140	7.0	18	196	.27	58
NOV 23...	1445	79	2.6	490	140	11	10	181	.25	16
DEC 14...	1215	89	1.2	150	130	9.0	8.0	170	.23	12
FEB 16...	0730	79	2.1	130	140	10	7.5	172	.23	23
MAR 08...	1615	--	1.7	120	120	9.0	7.5	158	.21	8
APR 12...	1030	95	1.4	4	120	6.0	8.0	159	.22	10
MAY 10...	1400	--	1.3	--	--	5.0	7.0	163	.22	63
JUN 28...	1500	--	2.0	1300	--	2.0	9.0	176	.24	16
JUL 19...	1725	--	5.7	110	--	6.0	12	181	.25	11
AUG 16...	0545	--	4.6	<4	--	10	12	191	.26	14
30...	1400	--	--	1200	--	7.0	13	199	.27	21
SEP 13...	1500	--	2.5	>600	--	8.0	12	200	.27	56

07188820 LITTLE SUGAR CREEK AT CAVERNA, MO--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT									
19...	0831	.240	.030	--	.350	<1	<1	<10	20
NOV									
23...	1445	--	.230	.540	.420	<1	10	20	20
DEC									
14...	1215	--	.080	.140	.160	<1	3	10	20
FEB									
16...	0730	2.20	.090	.270	.250	<1	20	11	80
MAR									
08...	1615	1.16	.070	.300	.210	<1	5	<10	40
APR									
12...	1030	--	.110	.190	.140	<1	1	<10	50
MAY									
10...	1400	1.20	.050	.190	.150	<1	<1	12	10
JUN									
28...	1500	1.50	.140	.390	.260	<1	--	--	--
JUL									
19...	1725	.490	.070	.340	.170	<1	<1	12	--
AUG									
16...	0545	.260	.010	.390	.310	<1	6	11	--
30...	1400	--	.040	.480	.380	<1	3	10	30
SEP									
13...	1500	--	.030	--	.310	<1	<1	<10	--

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 west of State Highway 59, 0.9 mi north of State line along Highway 59, 2.0 mi northwest of Sulphur Springs.

DRAINAGE AREA.--34.9 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
19...	0800	0	9827	9827	--	7.9	10.0	16.0	1.3	10.2
NOV										
23...	1400	0	9827	9827	--	7.8	4.0	10.0	2.0	10.4
DEC										
14...	1130	0	9827	9827	--	7.9	10.0	8.0	2.8	11.1
FEB										
16...	0700	0	9827	9827	--	7.9	2.0	9.0	2.0	10.2
MAR										
08...	1530	0	9827	9827	38	8.5	8.0	10.0	2.3	--
APR										
12...	1120	0	9827	9827	62	8.0	22.0	15.0	3.0	10.3
MAY										
10...	1315	0	9827	9827	39	8.0	30.0	18.0	2.0	9.9
JUN										
28...	1420	0	9827	9827	--	8.0	26.0	22.0	1.2	8.8
19...	1645	0	9827	9827	2.9	7.9	33.0	28.0	1.3	8.8
AUG										
16...	0505	0	9827	9827	5.2	7.9	32.0	27.0	1.6	8.6
30...	1330	0	9827	9827	2.0	7.9	--	--	1.2	--
SEP										
12...	1405	0	9827	9827	1.9	7.8	27.0	22.0	1.5	9.2

DATE	TIME	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										
19...	0800	102	2.0	52	150	6.0	10	186	.25	<1
NOV										
23...	1400	92	3.3	210	170	16	12	209	.28	<1
DEC										
14...	1130	93	3.8	100	150	14	7.0	179	.24	1
FEB										
16...	0700	88	1.2	56	150	12	7.0	179	.24	12
MAR										
08...	1530	--	1.2	92	150	17	7.0	187	.25	4
APR										
12...	1120	101	.7	<4	120	12	5.5	165	.22	4
MAY										
10...	1315	--	1.2	4	--	8.0	6.0	157	.21	4
JUN										
28...	1420	--	.6	500	--	6.0	6.5	189	.26	2
JUL										
19...	1645	--	2.2	200	--	8.0	12	188	.26	4
AUG										
16...	0505	--	1.3	52	--	11	11	186	.25	6
30...	1330	--	--	100	--	4.0	12	186	.25	<1
SEP										
12...	1405	--	1.9	12	--	7.0	13	184	.25	<1

07188910 BUTLER CREEK NEAR SULPHUR SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT										
19...	0800	.230	.020	--	.010	<1	<1	<10	20	.0
NOV										
23...	1400	--	.030	.010	.030	<1	10	<10	10	--
DEC										
14...	1130	--	.020	.020	.060	<1	<1	<10	0	.0
FEB										
16...	0700	1.70	.020	.030	.070	<1	11	<10	50	--
MAR										
08...	1530	1.00	.010	.050	.060	<1	4	<10	20	--
APR										
12...	1120	--	.050	.030	.020	<1	<1	<10	0	--
MAY										
10...	1315	1.70	.010	.020	.020	<1	1	<10	20	--
JUN										
28...	1420	.910	.060	.030	.010	<1	--	--	--	--
JUL										
19...	1645	.860	.080	.040	.010	<1	<1	22	20	--
AUG										
16...	0505	.780	.050	.040	.020	<1	2	11	--	--
30...	1330	--	.020	.050	.010	<1	<1	16	40	--
SEP										
12...	1405	--	.010	--	.040	<1	<1	14	--	--

DATE	TIME	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)
OCT									
19...	0800	.000	.000	.000	.000	.000	.00	.00	.0
DEC									
14...	1130	.000	.000	.000	.000	.000	.00	.00	.0

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 north of Cherokee City.

DRAINAGE AREA.--104 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT											
19...	0725	0	9827	9827	9.0	8.0	8.0	14.0	2.0	11.0	106
NOV											
23...	1315	0	9827	9827	13	7.8	3.0	11.0	3.5	9.7	87
DEC											
14...	1030	0	9827	9827	80	7.8	8.0	9.0	3.2	10.2	88
FEB											
15...	1715	0	9827	9827	58	8.5	13.0	11.0	1.0	13.8	124
MAR											
08...	1450	0	9827	9827	48	8.6	10.0	12.0	1.5	--	--
APR											
12...	1200	0	9827	9827	118	8.0	23.0	15.0	2.0	11.4	112
MAY											
10...	1225	0	9827	9827	121	7.8	29.0	29.0	3.0	10.6	--
JUN											
28...	1340	0	9827	9827	47	7.9	27.0	21.0	1.8	10.4	--
JUL											
19...	1600	0	9827	9827	27	8.0	36.0	26.0	2.2	11.4	--
AUG											
16...	1620	0	9827	9827	18	8.0	32.0	26.0	1.6	11.2	--
30...	1245	0	9827	9827	12	7.8	35.0	22.0	1.5	--	--
SEP											
13...	1255	0	9827	9827	8.0	7.8	25.0	21.0	1.5	9.6	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT											
19...	0725	4	2.2	12	130	4.0	15	184	.25	2	.680
NOV											
23...	1315	--	1.6	110	150	4.0	15	195	.27	12	--
DEC											
14...	1030	3	.7	<10	120	8.0	11	166	.23	3	--
FEB											
15...	1715	--	1.2	<4	120	7.0	6.0	155	.21	11	2.80
MAR											
08...	1450	--	.9	<4	120	8.0	12	172	.23	2	1.04
APR											
12...	1200	4	.8	<4	110	7.0	11	151	.21	4	--
MAY											
10...	1225	5	.9	4	--	5.0	9.5	152	.21	6	2.00
JUN											
28...	1340	4	1.1	76	--	2.0	11	172	.23	8	1.70
JUL											
19...	1600	9	1.6	76	--	6.0	13	171	.23	8	1.55
AUG											
16...	1620	4	1.5	280	--	7.0	15	178	.24	8	3.50
30...	1245	2	--	20	--	1.0	14	188	.26	<1	--
SEP											
13...	1255	<1	1.6	12	--	6.0	14	184	.25	1	--

07191179 SPAVINAW CREEK NEAR CHEROKEE CITY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
OCT											
19...	0725	.080	.02	.10	.78	3.5	--	.080	<1	<1	<10
NOV											
23...	1315	.020	--	--	--	--	.010	.020	1	2	<10
DEC											
14...	1030	.040	--	<.10	--	--	.070	.110	<1	<1	<10
FEB											
15...	1715	.070	--	--	--	--	.090	.150	<1	11	10
MAR											
08...	1450	.020	.58	.60	1.6	7.3	.120	.110	<1	9	<10
APR											
12...	1200	.070	.33	.40	--	--	.070	.060	<1	<1	<10
MAY											
10...	1225	.040	.26	.30	2.3	10	.300	.060	<1	<1	15
JUN											
28...	1340	.040	.66	.70	2.4	11	.080	.060	<1	--	--
JUL											
19...	1600	.100	.40	.50	2.1	9.1	.100	.010	<1	<1	26
AUG											
16...	1620	.060	--	<.10	--	--	.090	.070	<1	<1	12
30...	1245	.040	.16	.20	--	--	.090	.060	<1	<1	11
SEP											
13...	1255	.030	.27	.30	--	--	--	.090	<1	<1	13

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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)
OCT											
19...	0725	10	.0	.000	.000	.000	.000	.000	.00	.00	.0
NOV											
23...	1315	20	--	--	--	--	--	--	--	--	--
DEC											
14...	1030	10	.0	.000	.000	.000	.000	.000	.00	.00	.0
FEB											
15...	1715	60	--	--	--	--	--	--	--	--	--
MAR											
08...	1450	40	--	--	--	--	--	--	--	--	--
APR											
12...	1200	90	--	--	--	--	--	--	--	--	--
MAY											
10...	1225	40	--	--	--	--	--	--	--	--	--
JUL											
19...	1600	10	--	--	--	--	--	--	--	--	--
AUG											
30...	1245	100	--	--	--	--	--	--	--	--	--

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.

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 19...	1000	0	9827	9827	--	8.0	14.0	18.0	3.5	11.3
NOV 23...	1115	0	9827	9827	--	7.6	4.0	10.0	45	8.2
DEC 14...	0845	0	9827	9827	--	7.5	3.0	6.0	9.8	11.0
FEB 15...	1045	0	9827	9827	74	8.0	12.0	8.0	4.5	12.3
MAR 08...	0935	0	9827	9827	155	7.8	5.0	10.0	20	--
APR 12...	1430	0	9827	9827	102	8.1	22.0	16.0	15	12.2
MAY 10...	1005	0	9827	9827	63	8.0	22.0	17.0	7.0	10.7
JUN 28...	1000	0	9827	9827	127	7.7	22.0	23.0	1.8	6.8
JUL 19...	1330	0	9827	9827	14	7.7	33.0	28.0	5.1	7.9
AUG 16...	1200	0	9827	9827	41	7.7	39.0	29.0	4.6	8.5
30...	0910	0	9827	9827	7.6	7.5	33.0	25.0	4.0	--
SEP 13...	0835	0	9827	9827	--	7.5	19.0	21.0	6.0	4.7

DATE	TIME	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 19...	1000	119	2.5	36	130	15	19	217	.30	10
NOV 23...	1115	72	4.3	--	140	8.0	13	188	.26	54
DEC 14...	0845	88	1.0	--	100	16	9.5	144	.20	6
FEB 15...	1045	103	1.5	64	110	16	8.5	142	.19	16
MAR 08...	0935	--	1.3	290	80	18	7.5	118	.16	12
APR 12...	1430	122	1.4	12	120	16	7.5	125	.17	14
MAY 10...	1005	--	1.8	4	--	11	9.0	152	.21	10
JUN 28...	1000	--	2.5	270	--	8.0	11	159	.22	28
JUL 19...	1330	--	2.5	170	--	8.0	14	163	.22	16
AUG 16...	1200	--	2.3	250	--	8.0	13	174	.24	8
30...	0910	--	--	360	--	1.0	13	177	.24	5
SEP 13...	0835	--	2.2	100	--	5.0	13	170	.23	10

07194800 ILLINOIS RIVER AT SAVOY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT									
19...	1000	1.50	.010	--	1.20	<1	2	41	90
NOV									
23...	1115	--	.090	.280	.150	<1	<1	17	50
DEC									
14...	0845	--	.070	.100	.100	<1	<1	<10	10
FEB									
15...	1045	2.00	.020	.080	.040	<1	9	14	50
MAR									
08...	0935	.940	.030	.090	.050	<1	3	10	40
APR									
12...	1430	--	.060	.070	.020	<1	<1	<10	60
MAY									
10...	1005	1.78	.020	.060	.030	<1	<1	14	30
JUN									
28...	1000	1.25	.080	.150	.020	<1	--	--	--
JUL									
19...	1330	1.10	.110	.140	.010	<1	<1	23	20
AUG									
16...	1200	.480	.100	.070	.040	<1	<1	<10	--
30...	0910	--	.120	.080	.010	<1	1	<10	0
SEP									
13...	0835	--	.060	--	.060	<1	<1	<10	--

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 downstream from Little Osage Creek, and 3.2 mi northwest of Elm Springs.

DRAINAGE AREA.--130 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
19...	1108	0	9827	9827	7.9	19.0	18.0	2.2	10.8	114
FEB										
15...	0845	0	9827	9827	7.7	8.0	8.0	3.0	9.9	83
MAR										
08...	0835	0	9827	9827	7.8	8.0	10.0	3.8	--	--
APR										
12...	1750	0	9827	9827	7.9	20.0	18.0	6.0	9.4	99
MAY										
10...	1810	0	9827	9827	8.0	26.0	20.0	9.0	9.8	--
JUN										
28...	0851	0	9827	9827	7.6	23.0	22.0	20	6.7	--
JUL										
19...	1205	0	9827	9827	7.7	29.0	25.0	6.0	7.9	--
AUG										
16...	1040	0	9827	9827	7.8	30.0	25.0	8.0	6.9	--
30...	0815	0	9827	9827	7.6	25.0	23.0	20	--	--
SEP										
13...	0730	0	9827	9827	7.6	19.0	21.0	6.5	5.6	--

DATE	TIME	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									
19...	1108	2.8	8	130	3.0	11	166	.23	2
FEB									
15...	0845	2.6	88	120	12	12	180	.24	16
MAR									
08...	0835	2.4	76	120	13	13	190	.26	6
APR									
12...	1750	2.0	40	120	11	14	169	.23	13
MAY									
10...	1810	2.0	180	--	7.0	10	179	.24	19
JUN									
28...	0851	2.1	--	--	6.0	14	191	.26	28
JUL									
19...	1205	2.1	410	--	13	17	202	.27	16
AUG									
16...	1040	1.7	950	--	21	19	219	.30	16
30...	0815	--	1500	--	20	19	216	.29	28
SEP									
13...	0730	.5	520	--	18	19	226	.31	24

ARKANSAS RIVER BASIN

07195000 OSAGE CREEK NEAR ELM SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT									
19...	1108	.140	.020	--	.020	<1	<1	<10	20
FEB									
15...	0845	5.00	.110	.890	.760	<1	7	12	60
MAR									
08...	0835	3.28	.010	1.08	.750	<1	4	<10	20
APR									
12...	1750	--	.080	.660	.570	<1	<1	<10	40
MAY									
10...	1810	3.44	.020	.500	.400	<1	<1	<10	40
JUN									
28...	0851	3.20	.060	.820	.670	<1	--	--	--
JUL									
19...	1205	3.95	.090	1.24	.040	<1	2	<10	10
AUG									
16...	1040	8.70	.050	1.60	1.50	<1	<1	20	--
30...	0815	--	.030	1.75	1.20	<1	1	14	60
SEP									
13...	0730	--	.060	--	1.25	<1	1	<10	--

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 downstream from State Highway 12, 0.8 mi southwest of Springtown.

DRAINAGE AREA.--14.2 mi^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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Some diversion for irrigation upstream from gage.

AVERAGE DISCHARGE.--22 years, 13.1 ft^3/s, 12.53 in/yr, 9,490 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,600 ft^3/s June 8, 1974, gage height, 17.51 ft, from floodmarks, from rating curve extended above 260 ft^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.--Maximum discharge, 240 ft^3/s Dec. 3, gage height, 5.50 ft, no peak above base of 260 ft^3/s; minimum discharge, 0.94 ft^3/s Oct. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	4.8	2.9	11	20	5.4	13	25	7.5	5.6	3.1	7.5
2	3.4	17	70	10	23	5.4	46	22	7.0	5.2	2.9	5.8
3	3.0	9.8	123	9.3	21	5.2	44	20	7.0	4.7	2.9	5.0
4	2.5	9.0	66	8.7	18	6.3	35	17	6.7	4.7	2.9	4.5
5	2.1	9.0	45	8.1	16	7.0	30	15	6.0	4.8	2.4	3.8
6	2.1	8.1	34	7.8	14	6.5	25	13	6.3	4.5	2.3	3.4
7	2.3	7.5	27	7.2	13	6.5	20	11	5.8	4.3	2.9	2.8
8	2.4	6.9	21	7.0	12	6.3	18	10	5.6	4.0	2.7	2.9
9	3.2	6.2	18	6.7	11	6.0	16	9.0	5.2	3.8	2.4	2.7
10	2.3	5.7	18	6.5	10	5.8	14	8.1	5.0	3.8	2.4	2.9
11	2.1	7.2	16	6.3	9.3	5.6	12	7.5	4.8	4.0	4.5	2.7
12	2.0	7.2	13	5.8	8.4	5.2	11	7.2	4.8	3.8	5.0	2.6
13	1.6	5.7	12	5.8	8.1	5.2	12	7.0	4.7	4.0	5.0	2.6
14	1.5	4.8	11	5.8	7.5	5.2	11	8.4	8.4	4.0	5.2	2.6
15	1.3	4.0	10	5.6	7.5	4.8	9.6	8.1	6.5	3.8	5.0	2.9
16	1.2	3.4	9.0	5.6	7.5	4.8	8.7	7.0	5.8	3.8	4.8	3.4
17	1.0	3.0	8.1	5.6	6.7	4.7	8.4	6.5	5.6	4.0	4.3	2.9
18	.94	3.2	7.5	5.0	6.3	4.5	8.1	9.0	5.2	4.0	4.5	2.6
19	1.2	2.9	7.0	5.2	6.3	4.7	7.5	8.4	4.8	3.6	4.3	2.3
20	1.5	2.7	6.5	5.2	6.0	5.0	7.5	7.5	4.8	3.2	4.5	3.1
21	1.5	2.5	6.3	5.4	6.5	4.3	8.4	7.8	4.8	3.2	4.5	3.6
22	1.3	4.3	6.3	5.4	7.2	4.3	11	7.0	4.3	3.1	4.0	3.2
23	1.0	6.4	6.3	5.2	6.7	4.0	25	12	4.0	2.9	3.6	3.2
24	1.0	3.8	7.5	5.4	6.3	4.0	25	10	4.3	2.7	3.6	3.2
25	1.5	3.2	7.8	5.6	5.8	3.8	23	8.7	5.0	2.9	3.8	2.9
26	1.7	8.1	7.2	5.8	5.6	5.0	20	7.8	4.7	3.2	4.0	2.7
27	2.0	13	11	5.8	5.6	5.0	17	7.5	4.7	4.8	4.0	2.4
28	3.6	9.8	15	5.6	5.4	4.7	15	12	5.8	3.2	4.0	2.3
29	5.2	5.7	15	7.8	---	4.5	23	9.6	9.6	2.9	10	2.1
30	4.1	4.0	13	7.5	---	5.0	26	8.7	6.5	3.6	12	2.1
31	3.8	---	12	8.4	---	4.7	---	8.4	---	4.0	9.6	---
TOTAL	68.14	188.9	632.4	206.1	280.7	159.4	550.2	326.2	171.2	120.1	137.1	96.7
MEAN	2.20	6.30	20.4	6.65	10.0	5.14	18.3	10.5	5.71	3.87	4.42	3.22
MAX	5.2	17	123	11	23	7.0	46	25	9.6	5.6	12	7.5
MIN	.94	2.5	2.9	5.0	5.4	3.8	7.5	6.5	4.0	2.7	2.3	2.1
CFSM	.16	.44	1.44	.47	.70	.36	1.29	.74	.40	.27	.31	.23
IN.	.18	.49	1.66	.54	.74	.42	1.44	.85	.45	.31	.36	.25
AC-FT	135	375	1250	409	557	316	1090	647	340	238	272	192

CAL YR 1982 TOTAL 3267.84 MEAN 8.95 MAX 161 MIN .94 CFSM .63 IN 8.56 AC-FT 6480
WTR YR 1983 TOTAL 2937.14 MEAN 8.05 MAX 123 MIN .94 CFSM .57 IN 7.69 AC-FT 5830

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 downstream from county bridge, 2.5 mi from Arkansas-Oklahoma State line, northwest of West Siloam Springs, Okla.

DRAINAGE AREA.--59.8 m^2.

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

GAGE.--Water-stage recorder. Datum of gage is 958.00 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow is partially regulated by Lake Siloam Spring, 4.5 mi upstream, and sewage discharge into Flint Creek from city of Gentry.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 775 ft^3/s Jan. 30, 1982, gage height, 7.85 ft; minimum daily, 0.40 ft^3/s Aug. 7, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 299 ft^3/s Dec. 3, gage height, 5.83 ft; minimum daily, 3.2 ft^3/s Sept. 29,30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	7.8	23	39	41	16	18	67	27	15	7.4	5.5
2	6.8	16	43	36	61	15	85	62	25	14	7.4	5.2
3	7.0	13	216	33	61	15	124	56	23	14	7.2	4.4
4	6.8	9.7	180	31	53	21	98	50	22	13	6.8	4.4
5	6.8	8.7	115	29	48	28	79	45	21	13	7.2	4.4
6	6.9	8.5	87	26	43	26	67	41	22	13	6.5	5.0
7	7.9	8.1	69	25	39	24	59	42	20	11	7.0	5.2
8	8.7	7.9	56	23	36	22	54	37	19	11	7.4	4.4
9	8.7	7.9	48	23	34	20	48	34	18	11	6.5	4.2
10	7.6	7.9	43	21	32	20	44	31	17	10	6.5	4.1
11	7.4	7.9	42	20	30	18	41	31	16	11	6.3	4.1
12	7.4	9.0	38	19	29	18	39	31	15	10	5.7	4.1
13	6.9	7.9	36	18	26	17	42	33	15	9.2	5.9	4.1
14	6.8	7.8	33	18	26	17	44	37	23	9.2	5.5	4.2
15	6.5	7.7	31	17	24	17	41	36	22	9.0	5.5	4.4
16	6.5	7.5	29	17	23	16	38	34	17	9.0	5.4	4.5
17	6.5	7.4	26	16	23	16	36	31	15	9.0	5.4	4.4
18	6.6	7.4	23	16	21	15	34	36	19	9.2	5.2	4.2
19	6.7	7.6	22	16	21	16	32	39	20	8.8	5.2	4.1
20	6.8	7.4	20	16	21	17	32	36	16	8.5	5.0	4.5
21	6.8	7.4	19	15	20	15	34	39	13	8.3	4.9	4.7
22	6.8	8.0	18	15	20	15	51	34	12	8.1	5.0	4.1
23	6.8	9.5	18	15	20	15	100	34	11	8.1	4.5	3.5
24	6.8	11	32	15	19	15	107	34	11	8.1	4.7	3.5
25	6.8	10	36	15	20	14	90	31	11	7.9	4.5	3.4
26	6.8	21	35	14	18	18	78	29	12	7.0	4.7	3.3
27	6.7	46	46	14	17	23	67	26	13	7.0	4.4	3.3
28	7.5	52	65	14	16	18	61	36	13	6.5	4.4	3.3
29	8.4	40	54	16	---	15	60	34	19	6.3	5.5	3.2
30	7.7	29	48	19	---	15	68	31	19	6.8	5.7	3.2
31	7.7	---	44	21	---	15	---	30	---	8.3	5.4	---
TOTAL	220.7	407.0	1595	632	842	552	1771	1167	526	300.3	178.7	124.9
MEAN	7.12	13.6	51.5	20.4	30.1	17.8	59.0	37.6	17.5	9.69	5.76	4.16
MAX	8.7	52	216	39	61	28	124	67	27	15	7.4	5.5
MIN	6.5	7.4	18	14	16	14	18	26	11	6.3	4.4	3.2
AC-FT	438	807	3160	1250	1670	1090	3510	2310	1040	596	354	248

CAL YR 1982 TOTAL 10898.4 MEAN 29.9 MAX 422 MIN 6.5 AC-FT 21620
WTR YR 1983 TOTAL 8316.6 MEAN 22.8 MAX 216 MIN 3.2 AC-FT 16500

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 downstream from Fly Creek, and 2.9 mi upstream from Arkansas-Oklahoma State line.

DRAINAGE AREA.--46.0 mi^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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--25 years, 37.1 ft^3/s, 10.95 in/yr, 26,880 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,100 ft^3/s July 13, 1972, gage height, 13.74 ft, from rating curve extended above 2,900 ft^3/s on basis of contracted-opening measurement at 12,900 ft^3/s; no flow at times in 1963, 1967, 1980, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 2	1115	4,760	9.09
May 14	0545	*8,680	11.01

Minimum discharge, 0.16 ft^3/s Aug. 26, gage height, 1.25 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.32	4.2	13	43	273	20	48	55	23	8.3	.69	.92
2	.30	3.8	894	37	119	19	255	45	20	5.8	.67	.70
3	.29	2.8	696	31	72	18	114	38	17	4.8	.62	.44
4	.37	2.2	207	28	54	102	74	33	16	4.0	.54	.38
5	.42	1.7	111	26	47	117	59	29	15	3.8	.50	.37
6	.69	1.7	75	24	42	69	50	26	19	3.4	.91	.31
7	.66	1.8	58	23	36	60	42	24	14	3.0	1.7	.29
8	1.5	1.8	47	22	33	48	38	23	12	2.7	1.4	.31
9	3.8	1.5	40	21	30	39	34	21	10	2.3	.94	.30
10	1.7	1.5	47	19	27	32	30	20	9.1	2.2	.76	.32
11	1.1	1.7	58	17	25	27	27	19	8.1	2.0	.67	.32
12	.88	2.3	46	16	23	24	25	18	7.3	1.9	.62	.33
13	.70	2.2	38	16	22	23	76	21	6.4	1.8	.50	.31
14	.53	1.6	33	15	21	21	72	1240	75	1.8	.46	.28
15	.47	1.6	28	14	20	20	48	353	26	1.8	.39	.34
16	.45	1.6	25	13	19	19	38	124	17	1.8	.35	.35
17	.43	1.6	23	12	18	17	32	77	14	1.6	.27	.27
18	.38	1.7	22	12	17	16	29	94	12	1.7	.25	.25
19	.44	2.2	21	11	16	15	29	75	11	1.5	.25	.25
20	.49	2.5	19	11	16	18	48	53	10	1.3	.25	.42
21	.56	2.8	18	10	17	16	47	61	9.4	1.2	.26	.34
22	.50	9.0	17	10	29	14	89	52	8.8	1.1	.22	.28
23	.48	20	17	9.5	24	13	363	50	8.2	.98	.20	.28
24	.56	14	179	9.0	31	13	138	39	7.5	.81	.19	.30
25	.53	20	120	8.9	29	12	88	30	10	.70	.19	.30
26	.55	35	70	10	25	26	67	26	14	.80	.19	.29
27	.74	72	132	11	22	34	55	22	13	.76	.23	.25
28	1.8	52	116	12	21	24	124	34	16	.67	.20	.24
29	4.8	24	74	55	---	20	81	38	20	.63	1.4	.23
30	3.3	17	59	38	---	19	64	27	13	.66	1.0	.21
31	4.8	---	50	71	---	18	---	29	---	.68	1.2	---
TOTAL	34.54	307.8	3353	655.4	1128	933	2284	2796	461.8	66.49	18.02	10.18
MEAN	1.11	10.3	108	21.1	40.3	30.1	76.1	90.2	15.4	2.14	.58	.34
MAX	4.8	72	894	71	273	117	363	1240	75	8.3	1.7	.92
MIN	.29	1.5	13	8.9	16	12	25	18	6.4	.63	.19	.21
CFSM	.02	.22	2.35	.46	.88	.65	1.65	1.96	.34	.05	.01	.007
IN.	.03	.25	2.71	.53	.91	.75	1.85	2.26	.37	.05	.01	.01
AC-FT	69	611	6650	1300	2240	1850	4530	5550	916	132	36	20

CAL YR 1982 TOTAL 13668.14 MEAN 37.4 MAX 1360 MIN .29 CFSM .81 IN 11.05 AC-FT 27110
WTR YR 1983 TOTAL 12048.23 MEAN 33.0 MAX 1240 MIN .19 CFSM .72 IN 9.74 AC-FT 23900

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
19...	0603	0	9827	9827	.47	7.9	6.0	16.0	5.0	9.1
FEB										
15...	1500	0	9827	9827	20	8.7	18.0	10.0	2.0	16.0
MAR										
08...	1205	0	9827	9827	54	8.2	9.0	10.0	6.0	--
APR										
12...	1515	0	9827	9827	24	8.9	24.0	19.0	4.0	16.9
MAY										
10...	0920	0	9827	9827	21	7.7	22.0	16.0	2.5	7.6
JUN										
28...	1115	0	9827	9827	6.8	7.9	25.0	23.0	5.0	8.6
JUL										
19...	0915	0	9827	9827	1.7	7.7	31.0	27.0	3.8	7.6
AUG										
16...	1245	0	9827	9827	35	7.7	31.0	29.0	3.4	8.7
30...	0955	0	9827	9827	.97	7.6	30.0	26.0	5.8	--
SEP										
13...	0935	0	9827	9827	.35	7.7	21.0	23.0	4.0	6.9

DATE	TIME	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										
19...	0603	91	2.7	<4	150	13	12	201	.27	16
FEB										
15...	1500	142	2.3	<4	140	17	8.5	174	.24	12
MAR										
08...	1205	--	1.1	110	110	19	8.0	152	.21	3
APR										
12...	1515	180	1.7	10	130	19	8.0	163	.22	5
MAY										
10...	0920	--	2.0	92	--	14	8.5	185	.25	7
JUN										
28...	1115	--	4.1	370	--	13	10	198	.27	8
JUL										
19...	0915	--	3.0	84	--	14	12	177	.24	10
AUG										
16...	1245	--	3.0	20	--	12	8.5	160	.22	8
30...	0955	--	--	1600	--	5.0	9.0	157	.21	8
SEP										
13...	0935	--	2.4	440	--	9.0	8.0	159	.22	4

07196900 BARON FORK AT DUTCH MILLS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT									
19...	0603	.050	.030	--	<.010	<1	2	83	270
FEB									
15...	1500	.230	.040	.130	.090	<1	9	14	50
MAR									
08...	1205	1.28	.020	.160	.120	<1	4	<10	80
APR									
12...	1515	--	.040	.110	.090	<1	<1	<10	30
MAY									
10...	0920	1.50	.030	.080	.060	<1	<1	<10	30
JUN									
28...	1115	.880	.070	.170	.100	<1	--	--	--
JUL									
19...	0915	.130	.090	.120	.020	<1	<1	150	40
AUG									
16...	1245	.040	.060	.060	.040	<1	<1	18	--
30...	0955	--	.050	.140	.050	<1	<1	21	50
SEP									
13...	0935	--	.020	--	.140	<1	<1	13	--

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 downstream from Cross Creek, 7.8 mi downstream from Jones Creek, and at mile 109.0.

DRAINAGE AREA.--203 mi^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 National Geodetic Vertical Datum of 1929. Prior to May 2, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good except those for periods of no gage-height record, May 30 to June 29, July 6 to Aug. 3, and Aug. 15 to Sept. 20, which are poor. As of September 1974, flow from 92.2 mi^2 upstream from this station is controlled by 16 floodwater-detention reservoirs that have a total combined capacity of 39,082 acre-ft below the flood spillway crests, of which 33,524 acre-ft is flood-detention capacity, 2,100 acre-ft is water-supply storage, and 3,458 acre-ft is sediment-storag capacity.

AVERAGE DISCHARGE.--44 years, 215 ft^3/s, 155,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,200 ft^3/s May 20, 1960, gage height, 23.76 ft; no flow at times most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1935 reached a stage of 27.4 ft, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,100 ft^3/s Dec. 3, gage height, 20.12 ft; minimum, 0.08 ft^3/s Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	2.5	107	292	1570	114	72	153	210	61	5.0	35
2	1.5	11	1510	259	701	100	536	1150	160	862	4.5	25
3	1.5	66	11600	262	418	90	284	4850	130	541	4.5	20
4	1.3	25	3420	210	292	1240	202	1280	105	280	4.0	15
5	1.2	14	1570	180	248	1600	177	903	85	1780	5.8	9.5
6	.98	11	1370	162	245	714	162	604	105	940	9.8	7.0
7	.96	9.1	1220	151	216	497	142	440	75	580	9.0	4.5
8	1.3	8.4	981	144	180	382	125	324	51	360	185	3.5
9	1.8	7.9	783	133	160	308	112	248	40	205	142	3.0
10	1.6	6.7	636	121	153	248	100	199	35	110	34	2.0
11	1.4	6.2	1310	103	139	205	90	238	25	75	15	1.5
12	1.3	6.7	798	90	123	175	81	316	25	70	13	1.0
13	1.1	6.5	506	79	112	153	1090	235	20	75	382	.85
14	1.0	6.7	389	72	100	137	1400	1810	20	80	148	.65
15	1.0	9.5	316	64	92	121	576	3010	15	90	80	.50
16	.93	10	252	56	83	107	358	1160	14	110	50	.60
17	.79	11	207	51	74	92	238	5800	10	95	30	.60
18	.71	11	172	46	66	81	191	1700	10	75	15	.50
19	.62	12	148	43	59	70	162	1250	10	60	9.0	.45
20	.73	12	125	43	54	64	284	900	10	50	5.5	.55
21	.71	12	109	40	64	66	207	640	9.5	45	3.0	4.2
22	.69	13	96	39	501	56	232	1110	8.9	35	2.0	1.3
23	.65	13	98	37	341	46	2320	860	8.5	30	1.0	1.6
24	.63	13	886	35	245	41	994	636	8.0	25	1.0	1.7
25	.68	15	732	33	202	39	554	527	8.0	20	2.5	1.7
26	.68	20	410	36	165	39	392	440	8.0	15	2.5	1.8
27	.74	1040	1110	137	142	74	312	385	8.0	10	2.0	1.7
28	.86	703	1180	114	125	59	255	460	10	8.0	1.5	1.3
29	1.1	263	596	94	---	43	216	414	123	6.5	1.0	.87
30	1.3	143	429	103	---	39	183	328	137	6.0	15	.16
31	2.0	---	355	127	---	41	---	310	---	5.0	45	---
TOTAL	33.46	2488.2	33421	3356	6870	7041	12047	32680	1483.9	6704.5	1227.6	148.03
MEAN	1.08	82.9	1078	108	245	227	402	1054	49.5	216	39.6	4.93
MAX	2.0	1040	11600	292	1570	1600	2320	5800	210	1780	382	35
MIN	.62	2.5	96	33	54	39	72	153	8.0	5.0	1.0	.16
AC-FT	66	4940	66290	6660	13630	13970	23900	64820	2940	13300	2430	294

CAL YR 1982 TOTAL 91416.26 MEAN 250 MAX 11600 MIN .62 AC-FT 181300
WTR YR 1983 TOTAL 107500.69 MEAN 295 MAX 11600 MIN .16 AC-FT 213200

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 south of Bates.

DRAINAGE AREA.--251 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
12...	1035	0	9827	9827	2.5	8.4	20.0	18.0	8.3	2.8
NOV										
09...	1430	0	9827	9827	--	6.8	--	--	3.2	7.0
30...	1200	0	9827	9827	198	6.4	29.0	10.0	45	9.7
JAN										
11...	1130	0	9827	9827	130	6.7	12.0	8.0	15	11.6
FEB										
08...	1425	0	9827	9827	219	6.6	9.0	4.0	20	12.4
MAR										
15...	1145	0	9827	9827	160	6.5	17.0	11.0	15	10.6
APR										
19...	1240	0	9827	9827	196	6.6	7.0	12.0	30	9.2
MAY										
24...	1410	0	9827	9827	541	6.7	25.0	21.0	25	8.3
JUN										
21...	1236	0	9827	9827	13	6.7	33.0	27.0	7.6	6.7
JUL										
12...	1049	0	9827	9827	88	6.2	30.0	28.0	20	6.6
AUG										
09...	1050	0	9827	9827	157	6.9	29.0	27.0	40	5.7
SEP										
13...	1145	0	9827	9827	1.2	6.7	26.0	25.0	15	3.9

DATE	TIME	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										
12...	1035	29	1.7	36	30	6.0	6.0	58	.08	11
NOV										
09...	1430	--	3.1	--	22	9.0	7.5	54	.07	3
30...	1200	86	3.3	1800	24	12	5.0	110	.15	23
JAN										
11...	1130	97	--	92	26	9.0	6.5	53	.07	2
FEB										
08...	1425	95	3.0	290	18	14	8.5	66	.09	5
MAR										
15...	1145	--	1.4	36	20	10	5.5	48	.07	8
APR										
19...	1240	--	.9	140	--	7.0	5.0	70	.10	13
MAY										
24...	1410	--	1.0	72	--	7.0	3.5	54	.07	20
JUN										
21...	1236	--	2.3	36	--	10	5.0	55	.07	10
JUL										
12...	1049	--	1.8	88	--	9.0	4.0	44	.06	20
AUG										
09...	1050	--	2.9	290	--	--	5.5	60	.08	30
SEP										
13...	1145	--	1.8	16	--	9.0	7.0	61	.08	11

07247012 POTEAU RIVER SOUTH OF BATES, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT										
12...	1035	--	.040	.040	<.010	<1	<1	<10	0	.0
NOV										
09...	1430	.010	.010	.040	.010	--	4	<10	10	--
30...	1200	--	.040	.140	.040	<1	2	<10	0	--
JAN										
11...	1130	.220	.060	.070	.040	<1	<1	<10	0	--
FEB										
08...	1425	.300	--	.090	.040	<1	6	11	20	--
MAR										
15...	1145	--	.060	.060	.030	<1	1	<10	20	--
APR										
19...	1240	.100	.010	.110	.030	<1	<1	<10	50	--
MAY										
24...	1410	.100	.040	--	.010	<1	1	10	50	--
JUN										
21...	1236	.010	<.010	--	.010	1	<1	57	50	--
JUL										
12...	1049	.010	<.010	.080	.010	<1	<1	17	20	--
AUG										
09...	1050	.080	.070	.130	.010	<1	<1	25	50	--
SEP										
13...	1145	.070	.050	.050	<.010	<1	--	10	40	--

DATE	TIME	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)
OCT									
12...	1035	.000	.000	.000	.000	.000	.00	.00	.0

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 south of Hackett, 2.0 mi downstream from Elder Branch, 2.0 mi upstream from small tributary, and 3.6 mi upstream from Arkansas-Oklahoma State line.

DRAINAGE AREA.--147 mi^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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--25 years, 130 ft^3/s, 12.01 in/yr, 94,180 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,000 ft^3/s May 14, 1968, gage height, 23.00 ft, from rating curve extended above 20,000 ft^3/s; no flow at times.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 3	2100	*6,630	20.45	May 3	0600	3,070	15.74
Dec. 24	1700	4,270	18.62	May 15	0800	5,300	19.74

Minimum discharge, 0.22 ft^3/s Sept. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTMEBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	3.7	28	205	742	81	52	79	69	17	28	1.4
2	4.7	63	655	220	413	74	253	328	58	484	28	1.3
3	4.0	49	5540	266	259	67	182	1900	50	137	28	1.5
4	3.5	37	2380	197	182	761	123	466	48	61	21	1.7
5	2.9	36	579	167	157	1460	102	281	43	263	13	2.1
6	2.0	30	340	140	157	548	88	189	62	133	12	1.9
7	1.9	23	232	122	144	355	80	229	48	66	12	1.7
8	2.4	22	167	109	120	248	68	243	39	45	16	1.7
9	5.0	18	126	100	112	185	62	140	35	35	33	1.6
10	3.0	13	123	90	118	147	63	99	33	31	27	1.4
11	2.9	10	380	76	101	120	60	109	30	27	29	1.2
12	3.7	11	320	65	86	105	54	202	28	25	27	1.1
13	3.7	11	210	61	77	96	84	153	27	27	27	.99
14	3.2	12	164	58	72	87	224	953	25	32	26	.76
15	2.4	12	132	54	67	77	217	3770	24	41	15	.69
16	1.8	11	103	51	63	70	146	791	23	47	5.1	.56
17	1.5	11	87	49	59	63	106	447	22	45	3.3	.55
18	1.0	12	73	46	56	59	86	1570	20	43	2.4	.34
19	.64	14	65	45	54	56	77	1140	19	35	1.9	.34
20	.90	14	58	45	52	60	123	468	19	36	1.5	.48
21	.90	14	54	44	75	57	109	353	18	36	1.4	.77
22	.81	15	52	44	486	51	118	696	17	34	1.4	1.1
23	.81	18	79	44	290	47	1870	325	16	33	1.4	1.8
24	.81	17	2920	43	206	44	602	216	16	33	1.2	2.0
25	.81	16	1810	41	168	43	343	160	15	32	1.2	1.8
26	.81	31	583	52	125	48	237	120	16	32	1.0	1.5
27	.90	187	1360	179	102	64	175	94	17	31	.92	1.2
28	1.4	146	1190	139	90	56	134	160	19	30	.89	1.1
29	2.0	54	513	140	---	48	111	144	22	30	1.0	.98
30	2.6	35	340	127	---	49	94	99	23	29	.90	.81
31	3.2	---	261	162	---	50	---	80	---	29	1.1	---
TOTAL	71.59	945.7	20924	3181	4633	5276	6043	16004	901	1979	368.61	36.37
MEAN	2.31	31.5	675	103	165	170	201	516	30.0	63.8	11.9	1.21
MAX	5.4	187	5540	266	742	1460	1870	3770	69	484	33	2.1
MIN	.64	3.7	28	41	52	43	52	79	15	17	.89	.34
CFSM	.02	.21	4.59	.70	1.12	1.16	1.37	3.51	.20	.43	.08	.008
IN.	.02	.24	5.30	.80	1.17	1.34	1.53	4.05	.23	.50	.09	.01
AC-FT	142	1880	41500	6310	9190	10460	11990	31740	1790	3930	731	72

CAL YR 1982 TOTAL 65417.19 MEAN 179 MAX 7400 MIN .64 CFSM 1.22 IN 16.55 AC-FT 129800
WTR YR 1983 TOTAL 60363.27 MEAN 165 MAX 5540 MIN .34 CFSM 1.12 IN 15.28 AC-FT 119700

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 west of Arkansas-Oklahoma State line, 3.2 mi downstream from Webbers Creek, 6.8 mi northwest of Van Buren, and at mile 7.8.

DRAINAGE AREA.--426 mi^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 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.--39 years (1930-36, 1950-83), 485 ft^3/s, 15.46 in/yr, 351,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,600 ft^3/s May 6, 1960, gage height, 30.30 ft; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 15, 1945, reached a stage of about 35.0 ft, from floodmarks, discharge, about 112,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,300 ft^3/s Dec. 3, gage-height, 12.88 ft, no peak above base of 13,000 ft^3/s; no flow Aug. 29 to Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.07	9.4	460	665	2720	542	470	906	356	119	2.7	.00
2	.07	78	2410	559	2570	485	2010	777	297	136	2.6	.00
3	.07	87	10000	477	1520	440	2420	655	247	106	2.4	.00
4	.07	53	5390	412	1050	1850	1600	557	212	78	2.1	.00
5	.07	36	2590	367	842	4750	1290	480	181	58	1.9	.00
6	.32	25	1550	334	731	2570	1090	420	162	47	1.6	.00
7	1.2	20	1060	304	630	1980	927	371	149	37	1.6	.00
8	2.6	17	797	279	564	1560	799	325	148	27	2.2	.00
9	87	15	611	257	529	1210	705	289	126	22	2.1	.00
10	47	13	569	239	509	977	622	256	108	20	1.7	.00
11	20	12	755	218	461	832	547	238	94	17	1.6	.00
12	14	14	756	200	411	707	492	223	83	15	1.5	.00
13	10	12	640	186	370	625	493	209	72	14	1.3	.00
14	8.3	12	549	174	345	560	760	5240	67	12	1.1	.00
15	7.1	11	475	162	324	504	709	5990	73	11	.98	.00
16	6.5	11	405	152	303	453	585	2520	144	11	.89	.00
17	5.9	11	358	143	281	405	516	1500	107	10	.82	.00
18	5.6	11	323	135	261	368	469	1970	83	10	.82	.00
19	5.8	11	290	131	246	340	436	2370	67	9.4	.67	.00
20	5.4	11	259	128	232	331	431	1450	57	8.1	.55	.00
21	5.1	10	239	125	232	317	451	1270	45	7.1	.44	.00
22	4.8	21	223	120	712	295	634	1480	35	6.0	.34	.00
23	4.7	168	213	116	900	271	4470	1090	27	5.2	.26	.00
24	4.8	119	654	111	830	252	3210	860	22	4.6	.19	.00
25	4.8	99	2050	107	915	236	2020	660	20	3.9	.12	.00
26	4.8	449	1120	112	780	320	1500	510	23	3.8	.10	.00
27	4.8	2060	1150	131	675	630	1190	408	24	3.4	.06	.00
28	6.6	2280	2190	142	612	634	1010	375	28	2.8	.02	.00
29	9.8	1090	1460	169	---	523	1160	427	47	2.5	.00	.00
30	8.5	655	1050	255	---	478	987	407	68	2.7	.00	.00
31	8.3	---	829	454	---	445	---	400	---	2.4	.00	---
TOTAL	294.07	7420.4	41425	7364	20555	25890	34003	34633	3172	811.9	32.66	.00
MEAN	9.49	247	1336	238	734	835	1133	1117	106	26.2	1.05	.000
MAX	87	2280	10000	665	2720	4750	4470	5990	356	136	2.7	.00
MIN	.07	9.4	213	107	232	236	431	209	20	2.4	.00	.00
CFSM	.02	.58	3.14	.56	1.72	1.96	2.66	2.62	.25	.06	.002	.000
IN.	.03	.65	3.62	.64	1.79	2.26	2.97	3.02	.28	.07	.00	.00
AC-FT	583	14720	82170	14610	40770	51350	67440	68690	6290	1610	65	.00

CAL YR 1982 TOTAL 204851.61 MEAN 561 MAX 14200 MIN .07 CFSM 1.32 IN 17.89 AC-FT 406300
WTR YR 1983 TOTAL 175601.03 MEAN 481 MAX 10000 MIN .00 CFSM 1.13 IN 15.33 AC-FT 348300

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 downstream from Lee Creek, 8.7 mi downstream from Poteau River, and at mile 316.5.

DRAINAGE AREA.--150,482 mi^2, of which 22,241 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT										
12...	1700	0	9827	9827	--	1060	6.9	20.0	22.0	20
NOV										
09...	1030	0	9827	9827	--	864	8.3	16.0	15.0	6.5
30...	1515	0	9827	9827	--	27000	7.5	22.0	10.0	60
JAN										
11...	1445	0	9827	9827	--	23700	7.5	9.0	6.0	50
FEB										
08...	1114	0	9827	9827	38700	--	7.9	4.0	3.0	100
MAR										
15...	0830	0	9827	9827	34900	--	7.7	14.0	11.0	40
APR										
19...	0530	0	9827	9827	--	80000	7.8	5.0	11.0	55
MAY										
24...	0820	0	9827	9827	--	119000	7.6	17.0	20.0	60
JUN										
21...	1840	0	9827	9827	--	35600	7.8	33.0	27.0	45
JUL										
12...	1640	0	9827	9827	--	37700	8.0	30.0	28.0	20
AUG										
09...	1600	0	9827	9827	--	24600	8.1	36.0	33.0	15
SEP										
13...	1640	0	9827	9827	1830	--	8.3	25.0	27.0	8.5

DATE	TIME	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)
OCT										
12...	1700	8.6	98	--	4.4	--	150	68	13	435
NOV										
09...	1030	12.5	122	--	2.5	40	180	56	130	396
30...	1515	9.6	85	25	3.0	1300	110	41	75	320
JAN										
11...	1445	12.3	98	20	--	52	92	29	32	180
FEB										
08...	1114	12.7	94	19	2.5	120	80	32	43	221
MAR										
15...	0830	11.2	--	17	2.0	100	110	42	83	290
APR										
19...	0530	10.4	--	19	1.5	48	--	52	110	377
MAY										
24...	0820	8.2	--	--	1.4	200	--	45	81	307
JUN										
21...	1840	8.1	--	18	1.6	1200	--	52	77	343
JUL										
12...	1640	10.6	--	18	4.2	500	--	74	150	475
AUG										
09...	1600	9.2	--	12	3.8	>600	--	--	150	472
SEP										
13...	1640	8.3	--	15	3.2	330	--	63	110	373

07250500 ARKANSAS RIVER AT VAN BUREN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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										
12...	1700	.59	15	--	.030	.77	.80	--	--	.100
NOV										
09...	1030	.54	9	.170	.020	.78	.80	.97	4.3	.090
30...	1515	.44	51	--	.090	.31	.40	--	--	.170
JAN										
11...	1445	.24	59	.320	.140	.36	.50	.82	3.6	.150
FEB										
08...	1114	.30	82	.400	--	--	.40	.80	3.5	.260
MAR										
15...	0830	.39	35	--	.100	.50	.60	--	--	.100
APR										
19...	0530	.51	64	.830	.070	.73	.80	1.6	7.2	.190
MAY										
24...	0820	.42	57	.520	.050	1.2	1.2	1.7	7.6	--
JUN										
21...	1840	.47	38	.610	.080	.42	.50	1.1	4.9	--
JUL										
12...	1640	.65	20	.200	<.010	--	1.0	1.2	5.3	.110
AUG										
09...	1600	.64	15	.240	.040	--	<.10	--	--	.100
SEP										
13...	1640	.51	11	.040	.030	1.6	1.6	1.6	7.3	.080

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	PCB, TOTAL (UG/L) (39516)
OCT									
12...	1700	.010	<5	<1	<1	<10	<5	20	--
NOV									
09...	1030	.050	--	--	<1	<10	--	10	.0
30...	1515	.030	--	<1	4	<10	--	10	--
JAN									
11...	1445	.030	<5	<1	2	<10	<5	20	--
FEB									
08...	1114	.080	--	<1	11	26	--	40	--
MAR									
15...	0830	.030	--	<1	2	<10	--	20	--
APR									
19...	0530	.050	<5	<1	3	<10	<5	0	--
MAY									
24...	0820	.020	--	<1	2	<10	--	30	.0
JUN									
21...	1840	.010	--	<1	<1	88	--	50	--
JUL									
12...	1640	.030	<5	<1	<1	<10	<5	0	--
AUG									
09...	1600	.010	--	<1	<1	<10	--	10	--
SEP									
13...	1640	.010	--	<1	--	<10	--	20	--

DATE	TIME	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)
NOV									
09...	1030	.000	.000	.000	.000	.000	.00	.00	.0
MAY									
24...	0820	.000	.000	.000	.000	.000	.00	.00	.0

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.

DRAINAGE AREA.--150,547 mi^2, of which 22,241 mi^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 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 upstream at datum 372.36 ft 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.--56 years, 30,790 ft^3/s, 22,310,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 850,000 ft^3/s May 12, 1943, gage height, 38.0 ft, from floodmark, site and datum then in use; maximum gage height, 38.10 ft, 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 on Fort Smith gage, from records collected by National Weather Service. Flood of Apr. 16, 1927, reached a stage of 35.0 ft, former site and datum, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 135,000 ft^3/s May 15, tailwater elevation, 388.97 ft; minimum daily, 17 ft^3/s Sept. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1400	91	6640	34700	66600	42400	58500	113000	87400	37400	16300	7740
2	1390	396	26900	33400	91000	35200	73500	113000	90700	41800	13100	11900
3	1460	3040	54300	23300	83700	28900	57500	114000	81000	35500	16200	8010
4	1460	1770	51100	18300	60500	33400	63600	116000	67700	36300	13300	185
5	7590	1320	40800	19200	44300	72200	77600	110000	53100	37700	12400	1220
6	6350	904	35700	18400	42200	57500	85000	102000	48600	37700	75	8300
7	5660	888	19300	18800	42300	46400	106000	92100	54000	37100	138	9470
8	4990	928	21500	7670	38700	41700	108000	87100	54000	35900	14600	10400
9	780	964	23700	4470	41800	50200	107000	74800	45500	37400	13600	10800
10	1030	963	25600	17100	41600	55000	104000	68100	45800	37600	10700	508
11	2770	1990	22400	14200	41100	52600	105000	59500	38700	37700	11100	17
12	2410	4070	23800	14900	47400	43800	105000	57900	39400	37500	10300	6650
13	3090	4220	28100	16000	42400	42400	106000	67600	36800	33100	117	1830
14	2420	819	25600	20600	39200	38900	107000	96500	38300	29000	155	79
15	2480	497	12400	11900	39400	34900	107000	132000	38900	21200	10900	32
16	1010	3210	11700	9400	39400	33900	106000	121000	39100	17400	11000	3460
17	972	1520	9590	21400	39200	41600	102000	109000	38300	19500	11000	32
18	580	500	6480	19300	39100	28200	91200	111000	36800	21000	12500	112
19	1200	83	5020	17600	37400	22100	74600	125000	36200	17000	6690	1410
20	3130	92	8080	16800	37100	22600	72300	127000	36500	18600	268	1430
21	1260	129	13500	17400	34900	14200	68500	123000	36600	19700	157	2700
22	1270	4030	14400	10300	38800	11000	56300	120000	35900	18100	12500	2920
23	1300	15300	17100	9730	55700	11500	80800	119000	36100	6560	5640	4590
24	1270	5730	23800	11900	56700	23600	106000	119000	32200	11700	9800	64
25	1260	672	24200	10800	55000	16500	107000	112000	37000	16400	10300	79
26	1270	4600	33600	10800	54200	33200	96900	101000	28000	16500	11200	2480
27	1290	20400	38500	11300	43800	11400	103000	120000	26100	16300	6910	1190
28	1320	23200	41500	12900	42100	20500	108000	116000	27500	15800	8550	934
29	2030	11700	38300	4650	---	24000	112000	111000	38800	17100	5610	1110
30	1580	16300	41400	4160	---	34700	113000	100000	37200	1640	9780	585
31	1410	---	43000	17100	---	27400	---	89000	---	17200	5150	---
TOTAL	67432	130326	788010	478480	1335600	1051900	2768300	3226600	1342200	783400	270040	100237
MEAN	2175	4344	25420	15430	47700	33930	92280	104100	44740	25270	8711	3341
MAX	7590	23200	54300	34700	91000	72200	113000	132000	90700	41800	16300	11900
MIN	580	83	5020	4160	34900	11000	56300	57900	26100	1640	75	17
AC-FT	133800	258500	1563000	949100	2649000	2086000	5491000	6400000	2662000	1554000	535600	198800

CAL YR 1982 TOTAL 12483668 MEAN 34200 MAX 154000 MIN 83 AC-FT 24760000
WTR YR 1983 TOTAL 12342525 MEAN 33820 MAX 132000 MIN 17 AC-FT 24480000

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, AR--CONTINUED
(National tritium 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT										
27...	0800	0	80513	80010	1210	778	8.2	16.0	8.1	8.9
NOV										
19...	1200	0	80513	85113	--	--	--	--	--	--
DEC										
20...	1300	0	80513	85113	--	--	--	--	--	--
21...	0800	0	80513	80010	6340	233	7.6	7.0	33	9.6
JAN										
14...	1430	0	80513	85113	--	--	--	--	--	--
FEB										
11...	1145	0	80513	85113	--	--	--	--	--	--
23...	0800	0	80513	80010	59600	421	8.1	9.0	30	8.8
MAR										
17...	1430	0	80513	85113	--	--	--	--	--	--
APR										
18...	1430	9	80513	85113	--	--	--	--	--	--
28...	0800	9	80513	80010	112000	540	7.9	16.0	65	9.1
MAY										
12...	1000	9	80513	85113	--	--	--	--	--	--
JUN										
10...	1100	9	80513	85113	--	--	--	--	--	--
29...	1000	9	80513	80010	364000	785	8.2	26.0	25	7.2
29...	1100	9	80513	85113	--	--	--	--	--	--
JUL										
22...	1000	9	80513	85113	--	--	--	--	--	--
AUG										
19...	0845	9	1028	85113	--	--	--	--	--	--
31...	0900	9	80513	80010	688	738	8.3	30.0	<1.0	6.4
SEP										
16...	1300	9	80513	85113	--	--	--	--	--	--

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
OCT										
27...	0800	91	759	K3	4	170	52	52	49	11
DEC										
21...	0800	80	756	51	84	55	16	16	15	4.2
FEB										
23...	0800	77	755	140	240	120	31	31	36	7.5
APR										
28...	0800	93	753	K430	1300	120	45	45	36	7.7
JUN										
29...	1000	90	751	K600	--	180	74	74	53	11
AUG										
31...	0900	86	756	6	63	160	49	49	45	11

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
OCT 27...	0800	90	53	3	4.5	116	61	120	.30	3.4
DEC 21...	0800	23	46	1	2.5	39	22	29	.10	6.2
FEB 23...	0800	33	36	1	3.6	90	36	51	.20	3.4
APR 28...	0800	58	50	2	2.9	77	48	86	.20	6.1
JUN 29...	1000	89	51	3	4.0	104	68	140	.30	5.3
AUG 31...	0900	79	51	3	3.9	109	60	120	.30	1.3

DATE	TIME	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)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	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)
OCT 27...	0800	433	410	.59	.270	.270	.090	.12	1.2	.100
DEC 21...	0800	139	130	.19	.280	.280	.140	.18	.50	.120
FEB 23...	0800	233	230	.32	.480	.480	.170	.22	.50	.100
APR 28...	0800	313	290	.43	.770	.770	.120	.15	.40	.130
JUN 29...	1000	458	430	.62	.610	.610	.100	.13	.70	.110
AUG 31...	0900	407	390	.55	--	<.100	.130	.17	.30	.070

DATE	TIME	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
OCT 27...	0800	.31	.080	.080	--	--	--	--	--	--
DEC 21...	0800	.37	.070	.060	60	1	42	<1	<1	<1
FEB 23...	0800	.31	.050	.050	<10	1	79	<1	<1	<1
APR 28...	0800	.40	.100	.070	--	--	--	--	--	--
JUN 29...	1000	.34	.080	.060	20	2	130	<.5	<1	<1
AUG 31...	0900	.21	.060	.080	<10	3	110	<.5	<1	<1

DATE	TIME	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
DEC 21...	0800	<3	5	310	9	<4	31	<.1	<10	1
FEB 23...	0800	<3	5	36	7	<4	11	.7	<10	8
JUN 29...	1000	<3	7	34	1	11	5	.1	<10	4
AUG 31...	0900	<3	9	10	1	10	1	<.1	<10	2

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	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										
27...	0800	--	--	--	--	18.2	.9	20	65	54
NOV										
19...	1200	--	--	--	--	17.1	.9	--	--	--
DEC										
20...	1300	--	--	--	--	8.9	.5	--	--	--
21...	0800	<1	<1	100	12	--	--	39	668	75
JAN										
14...	1430	--	--	--	--	15.5	.9	--	--	--
FEB										
11...	1145	--	--	--	--	14.0	.7	56	--	54
23...	0800	2	<1	240	12	16.4	.8	--	--	--
MAR										
17...	1430	--	--	--	--	14.7	.7	--	--	--
APR										
18...	1430	--	--	--	--	16.0	.9	68	--	99
MAY										
12...	1000	--	--	--	--	15.9	.7	--	--	--
JUN										
10...	1100	--	--	--	--	16.7	.9	--	--	--
29...	1000	<1	<1	390	67	--	--	34	33400	93
29...	1100	--	--	--	--	16.4	.8	--	--	--
JUL										
22...	1000	--	--	--	--	18.7	.9	--	--	--
AUG										
19...	0845	--	--	--	--	17.2	.8	--	--	--
31...	0900	<1	<1	370	6	--	--	14	26	50
SEP										
16...	1300	--	--	--	--	14.8	.8	--	--	--

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 upstream from Mill Creek, 5.7 mi north of Mulberry, and at mile 11.3.

DRAINAGE AREA.--373 mi^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 National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Apr. 19, 1940, nonrecording gage at site 500 ft downstream at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--45 years, 534 ft^3/s, 19.44 in/yr, 386,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,200 ft^3/s Dec. 3, 1982, gage height, 23.66 ft, from rating curve extended above 38,000 ft^3/s; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1927 reached a stage of 22.0 ft, discharge, about 59,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 70,200 ft^3/s Dec. 3, at 0500 hours, gage height, 23.66 ft, from rating curve extended above 38,000 ft^3/s, no other peak above base of 10,000 ft^3/s; minimum, 0.12 ft^3/s, Sept. 29, 30, gage height, 0.51 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	62	981	1000	2430	232	469	2020	315	370	13	.71
2	2.5	822	8840	940	2410	228	1830	1650	272	430	12	.59
3	2.1	734	40300	800	1790	220	2300	1530	241	331	10	.59
4	1.9	373	8400	700	1370	412	1810	1310	262	286	9.5	.54
5	1.8	265	3930	630	1150	3170	1470	1100	272	232	8.9	.49
6	2.7	210	2510	557	1010	2330	1230	932	232	188	8.9	.44
7	4.7	160	1910	485	861	2040	1030	781	206	156	8.4	.37
8	6.5	130	1490	436	746	1660	893	641	180	129	8.9	.35
9	169	100	1210	394	662	1350	799	521	160	109	8.4	.35
10	168	90	1080	359	589	1120	697	446	141	94	7.4	.30
11	82	86	1240	320	521	945	595	419	121	76	10	.26
12	62	79	1150	286	452	812	527	545	105	64	15	.22
13	45	73	1050	258	400	718	595	515	94	56	13	.24
14	34	69	978	241	364	628	1150	1290	102	53	11	.22
15	28	65	880	228	337	551	945	4770	281	49	8.4	.22
16	24	62	775	211	315	485	806	2750	262	44	7.4	.24
17	21	58	589	201	295	436	718	1920	197	44	6.1	.22
18	19	56	485	193	272	388	655	2670	156	44	5.4	.22
19	17	54	436	180	258	348	589	3300	129	38	4.7	.20
20	16	51	388	172	245	331	589	2190	109	34	3.8	.22
21	16	49	348	164	241	320	582	1810	90	30	3.3	.22
22	15	53	295	156	249	286	621	1880	76	27	3.1	.20
23	14	609	250	152	254	262	2720	1470	64	23	2.7	.18
24	13	540	690	149	249	245	2830	1170	58	21	2.3	.17
25	12	384	2500	141	254	232	2070	932	56	20	1.9	.17
26	12	523	1700	138	249	236	1650	758	98	33	1.5	.17
27	12	3600	1200	138	241	412	1350	602	168	31	1.5	.14
28	16	4450	2700	138	232	521	1310	533	188	22	1.3	.14
29	33	2070	1900	141	---	485	1340	491	276	19	1.1	.12
30	38	1360	1500	188	---	474	1800	406	457	16	.85	.12
31	56	---	1200	236	---	469	---	359	---	14	.71	---
TOTAL	946.9	17237	92905	10332	18446	22346	35970	41711	5368	3083	200.46	8.62
MEAN	30.5	575	2997	333	659	721	1199	1346	179	99.5	6.47	.29
MAX	169	4450	40300	1000	2430	3170	2830	4770	457	430	15	.71
MIN	1.8	49	250	138	232	220	469	359	56	14	.71	.12
CFSM	.08	1.54	8.04	.89	1.77	1.93	3.21	3.61	.48	.27	.02	.001
IN.	.09	1.72	9.27	1.03	1.84	2.23	3.59	4.16	.54	.31	.02	.00
AC-FT	1880	34190	184300	20490	36590	44320	71350	82730	10650	6120	398	17

CAL YR 1982 TOTAL 265376.10 MEAN 727 MAX 40300 MIN 1.8 CFSM 1.95 IN 26.47 AC-FT 526400
WTR YR 1983 TOTAL 248553.98 MEAN 681 MAX 40300 MIN .12 CFSM 1.83 IN 24.79 AC-FT 493000

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 southeast of Ozark, and at mile 272.9.

DRAINAGE AREA.--151,801 mi^2, of which 22,241 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT										
12...	1435	0	9827	9827	1280	--	6.8	22.0	23.0	6.5
NOV										
09...	0815	0	9827	9827	1900	--	8.0	12.0	15.0	6.5
30...	1730	0	9827	9827	--	22800	7.7	17.0	11.0	25
JAN										
11...	0800	0	9827	9827	--	22400	7.6	4.0	5.0	30
FEB										
08...	0850	0	9827	9827	--	48600	7.6	3.0	3.0	90
MAR										
15...	1550	0	9827	9827	--	42300	7.8	27.0	18.0	35
APR										
19...	1530	0	9827	9827	--	82700	7.9	7.0	11.0	50
MAY										
24...	1610	0	9827	9827	--	133000	7.7	27.0	21.0	60
JUN										
21...	0726	0	9827	9827	--	40700	7.8	24.0	26.0	40
JUL										
12...	1740	0	9827	9827	--	42200	8.1	28.0	27.0	25
AUG										
10...	0740	0	9827	9827	--	8980	8.2	27.0	30.0	7.6
SEP										
13...	0810	0	9827	9827	--	8410	8.2	18.0	22.0	7.5

DATE	TIME	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)	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										
12...	1435	7.4	85	.8	<4	180	74	15	461	.63
NOV										
09...	0815	8.7	85	1.0	28	170	6.3	130	434	.59
30...	1730	10.4	94	2.1	670	120	38	32	340	.46
JAN										
11...	0800	12.0	94	--	68	100	32	40	201	.27
FEB										
08...	0850	12.9	96	1.9	140	110	41	71	293	.40
MAR										
15...	1550	11.1	--	1.5	--	120	54	110	343	.47
APR										
19...	1530	10.5	--	1.2	6	--	56	130	424	.58
MAY										
24...	1610	8.2	--	1.1	140	--	49	96	63	.09
JUN										
21...	0726	8.3	--	1.7	28	--	51	6.0	328	.45
JUL										
12...	1740	8.6	--	2.5	8	--	84	170	533	.72
AUG										
10...	0740	7.3	--	1.8	12	--	--	170	507	.69
SEP										
13...	0810	6.4	--	2.0	<4	--	65	120	404	.55

07252406 ARKANSAS RIVER AT OZARK DAM AT OZARK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT										
12...	1435	8	--	.110	.070	.040	<1	1	120	110
NOV										
09...	0815	10	.120	.100	.090	.040	--	4	23	50
30...	1730	22	--	.800	.120	.050	<1	3	26	30
JAN										
11...	0800	16	.340	.110	.120	.040	<1	10	76	110
FEB										
08...	0850	76	.440	--	.210	.050	<1	12	61	90
MAR										
15...	1550	25	--	.120	.100	.040	<1	3	33	90
APR										
19...	1530	48	.890	.050	.170	.050	<1	3	<10	20
MAY										
24...	1610	58	.560	.040	--	.030	<1	2	14	30
JUN										
21...	0726	28	.640	<.010	--	.030	<1	<1	73	50
JUL										
12...	1740	28	.260	<.010	.120	.040	<1	2	12	20
AUG										
10...	0740	11	.160	.090	.080	<.010	1	<1	36	30
SEP										
13...	0810	9	.020	.070	.060	.010	<1	--	21	30

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)
OCT										
12...	1435	.0	.000	.000	.000	.000	.000	.00	.00	.0
JAN										
11...	0800	.0	.000	.000	.000	.000	.000	.00	.00	.0
APR										
19...	1530	.0	.000	.000	.000	.000	.000	.00	.00	.0
JUL										
12...	1740	.0	.000	.000	.000	.000	.000	.00	.00	.0

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 downstream from Indian Creek, 10.4 mi north of Dover, and at mile 28.0.

DRAINAGE AREA.--274 mi^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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for period of no gage-height record, Mar. 17 to Apr. 15, which are fair.

AVERAGE DISCHARGE.--33 years, 398 ft^3/s, 19.73 in/yr, 288,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 111,000 ft^3/s Dec. 3, 1982, gage height, 33.87 ft, from rating curve extended above 45,000 ft^3/s on basis of contracted-opening measurement of peak flow; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Jan. 24, 1949, reached a stage of 25.6 ft, from floodmarks, discharge, about 55,800 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 7,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 27	2230	7,960	10.35
Dec. 3	0030	*111,000	33.87
Dec. 24	1430	7,940	10.36

Minimum discharge, 0.12 ft^3/s, Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	57	765	892	2220	122	540	2350	173	368	6.0	2.1
2	7.2	370	15200	781	1850	122	1740	1820	145	237	6.0	1.9
3	5.9	508	43500	650	1260	117	2140	2570	126	183	5.0	1.9
4	5.5	264	7170	558	969	279	1570	1720	111	140	5.0	1.7
5	5.2	181	3480	500	835	3540	1200	1310	97	170	5.0	1.5
6	6.3	139	2070	439	745	1840	1000	1060	87	191	5.0	1.4
7	8.8	118	1410	392	633	1390	835	875	84	128	4.0	1.4
8	8.8	99	1080	359	558	1080	708	739	76	96	5.0	1.3
9	14	87	880	332	514	898	661	611	69	77	5.0	1.1
10	119	75	846	302	461	775	580	519	62	64	4.0	.94
11	78	67	1020	267	412	650	520	500	55	55	5.0	.78
12	50	65	933	234	359	569	440	630	50	46	6.0	.74
13	35	63	846	213	315	519	460	580	45	39	5.0	.81
14	26	63	781	202	290	466	650	1100	62	34	5.0	.73
15	21	55	690	185	275	417	900	4300	310	31	5.0	.60
16	18	52	584	168	257	373	886	2000	154	29	4.0	.60
17	15	48	509	158	240	420	775	1040	106	26	4.0	.60
18	14	46	455	151	219	380	714	2180	82	25	3.0	.55
19	13	48	402	140	204	360	633	2770	69	24	3.0	.55
20	13	48	349	134	196	330	751	1600	59	22	3.0	.59
21	11	48	315	128	185	310	702	1190	51	19	2.0	.65
22	13	49	286	126	180	290	745	1080	44	17	2.0	.65
23	19	599	286	124	170	270	2950	863	38	14	2.0	.64
24	17	550	4110	117	168	260	2450	764	34	13	2.3	.51
25	10	360	3750	111	163	250	1640	595	34	12	2.9	.45
26	14	975	2000	108	147	340	1280	483	43	10	2.2	.30
27	13	4830	1980	109	136	579	1050	387	193	9.1	2.0	.24
28	15	4060	3120	109	128	644	945	319	196	7.6	1.8	.20
29	21	1670	1850	111	---	620	841	271	797	7.0	1.4	.16
30	65	1040	1340	128	---	580	2900	216	690	7.0	1.3	.14
31	69	---	1070	145	---	560	---	196	---	6.0	2.0	---
TOTAL	739.5	16634	103077	8373	14089	19350	33206	36638	4142	2106.7	114.9	25.73
MEAN	23.9	554	3325	270	503	624	1107	1182	138	68.0	3.71	.86
MAX	119	4830	43500	892	2220	3540	2950	4300	797	368	6.0	2.1
MIN	5.2	46	286	108	128	117	440	196	34	6.0	1.3	.14
CFSM	.09	2.02	12.1	.99	1.84	2.28	4.04	4.31	.50	.25	.01	.003
IN.	.10	2.26	13.99	1.14	1.91	2.63	4.51	4.97	.56	.29	.02	.00
AC-FT	1470	32990	204500	16610	27950	38380	65860	72670	8220	4180	228	51

CAL YR 1982 TOTAL 230788.70 MEAN 632 MAX 43500 MIN 5.2 CFSM 2.31 IN 31.33 AC-FT 457800
WTR YR 1983 TOTAL 238495.83 MEAN 653 MAX 43500 MIN .14 CFSM 2.38 IN 32.38 AC-FT 473100

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 upstream from Whig Creek, 2.0 mi downstream from Dardanelle Dam, 4.7 mi downstream from Illinois Bayou, and at mile 219.5.

DRAINAGE AREA.--153,670 mi^2, of which 22,241 mi^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 upstream. Datum of gage is 280.16 ft National Geodetic Vertical Datum of 1929. Prior to Jan. 11, 1939, nonrecording gage at same site at datum 10.0 ft higher. Jan. 11, 1939, to Dec. 10, 1970, waterstage recorder at same site at datum 10.0 ft higher.

REMARKS.--Records good. Flow regulated upstream by many locks, dams, and reservoirs. Daily discharge below about 5,000 ft^3/s determined from flow through turbines.

AVERAGE DISCHARGE.--46 years, 34,850 ft^3/s, 25,250,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 683,000 ft^3/s May 13, 14, 1943; maximum gage height, 43.60 ft, in gage well, 44.1 ft from outside gage, May 25, 1943, present datum; minimum daily discharge, 40 ft^3/s Sept. 18, 1982.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 19, 1927, reached a stage of 43.0 ft, present datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 325,000 ft^3/s Dec. 3, gage height, 40.02 ft; minimum daily, 50 ft^3/s Sept. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	738	2070	27000	49100	51900	43400	83700	112000	91000	42400	20800	10500
2	538	297	40600	42600	95400	43000	77100	120000	83200	31400	17000	11400
3	818	130	276000	43800	101000	42200	80100	124000	84300	38400	17100	3450
4	1270	6900	207000	40400	92400	37000	66700	114000	77400	42200	15000	2650
5	7550	5490	99800	26200	64700	55600	83400	115000	66400	42300	15900	2200
6	3150	618	58300	19900	55100	79500	86600	107000	49800	35600	2200	9630
7	12300	821	41600	9310	45600	71500	99600	103000	49800	36800	1270	7230
8	6610	266	30600	9690	41200	50800	109000	91200	55500	33800	16700	9120
9	5690	1570	30900	7000	42500	51700	111000	84500	50800	37300	12800	12800
10	6100	793	29700	8340	49000	44000	111000	75500	46000	38200	16700	1500
11	3780	2310	29200	15300	48500	47100	103000	65800	45100	36400	18300	250
12	2750	2090	30200	14500	42400	46900	103000	61800	45400	36000	16000	5290
13	1010	130	27600	13700	50400	44800	123000	59800	46900	36500	1360	2940
14	2680	2280	33700	18400	45200	44500	127000	74500	35400	37000	1180	50
15	1230	4400	33100	16900	42900	44500	106000	110000	42600	25000	12800	801
16	618	997	8800	16400	42500	44800	108000	131000	37500	20400	14100	5670
17	804	2310	7430	18500	42900	45200	103000	118000	38800	16500	11500	844
18	784	879	3360	20900	43000	45900	99000	119000	37200	20800	4580	90
19	861	3640	17300	16100	42300	23000	87000	129000	36300	19300	6190	2480
20	2410	608	7470	16700	43700	31600	76500	129000	35700	20800	1520	2740
21	774	618	19600	15100	43600	30500	69800	130000	34900	18200	250	4340
22	2780	675	13400	17700	45300	19100	68500	128000	36800	18200	7260	5970
23	1070	14500	16500	17300	45400	2080	81600	123000	34500	6090	8080	3990
24	882	12600	44900	10700	43500	22800	100000	119000	33400	13900	11000	913
25	1480	6140	60300	13700	55100	19400	107000	114000	28800	15100	15400	165
26	2430	11000	43100	11100	63000	28800	106000	113000	32100	13900	9550	2720
27	1160	31500	46500	14100	55400	29000	101000	106000	33100	18300	3710	127
28	2010	59200	68800	10900	43300	11500	99000	112000	25700	16700	3650	1340
29	1580	25300	57300	13400	---	26600	102000	115000	34100	15300	10100	1030
30	1800	18000	49700	8370	---	17200	110000	105000	42300	2860	7240	2310
31	127	---	54100	17400	---	35900	---	94300	---	10500	9580	---
TOTAL	77784	218132	1513860	573510	1477200	1179880	2888600	3303400	1390800	796150	308820	114540
MEAN	2509	7271	48830	18500	52760	38060	96290	106600	46360	25680	9962	3818
MAX	12300	59200	276000	49100	101000	79500	127000	131000	91000	42400	20800	12800
MIN	127	130	3360	7000	41200	2080	66700	59800	25700	2860	250	50
AC-FT	154300	432700	3003000	1138000	2930000	2340000	5730000	6552000	2759000	1579000	612500	227200

CAL YR 1982 TOTAL 13570147 MEAN 37180 MAX 276000 MIN 40 AC-FT 26920000
WTR YR 1983 TOTAL 13842676 MEAN 37930 MAX 276000 MIN 50 AC-FT 27460000

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 1982 TO SEPTMEMBER 1983

DATE	TIME	MEDIUM	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)
OCT										
05...	1245	0	9827	9827	--	50	7.8	27.0	23.0	25
NOV										
02...	1315	0	9827	9827	--	50	7.7	18.0	18.0	25
30...	1315	0	9827	9827	--	25300	7.9	20.0	13.0	15
JAN										
04...	1330	0	9827	9827	--	--	7.6	9.0	7.0	40
FEB										
22...	1300	0	9827	9827	--	45900	8.0	14.0	10.0	35
MAR										
08...	1245	0	9827	9827	50800	--	8.0	10.0	12.0	35
APR										
05...	1245	0	9827	9827	83400	--	8.0	16.0	12.0	35
MAY										
03...	1215	0	9827	9827	124000	--	7.7	16.0	16.0	45
31...	1300	0	9827	9827	94300	--	7.7	24.0	23.0	60
JUN										
28...	1300	0	9827	9827	--	27700	7.8	26.0	28.0	40
AUG										
02...	1250	0	9827	9827	--	50	7.8	34.0	32.0	6.3
SEP										
06...	1245	0	9827	9827	--	10900	8.0	32.0	30.0	7.0

DATE	TIME	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)	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										
05...	1245	7.0	80	1.9	180	170	66	150	--	--
NOV										
02...	1315	8.0	84	1.6	--	160	63	140	445	.61
30...	1315	10.1	95	1.0	120	140	50	110	473	.64
JAN										
04...	1330	11.8	97	1.0	140	80	31	31	182	.25
FEB										
22...	1300	11.7	104	.8	4	110	35	49	229	.31
MAR										
08...	1245	10.8	100	1.4	200	110	37	70	254	.35
APR										
05...	1245	13.4	124	1.5	76	140	55	150	440	.60
MAY										
03...	1215	11.4	--	1.7	60	--	41	70	274	.37
31...	1300	10.7	--	1.4	28	--	51	80	334	.45
JUN										
28...	1300	7.8	--	2.0	590	--	49	76	320	.44
AUG										
02...	1250	5.8	--	2.0	>240	--	78	140	519	.71
SEP										
06...	1245	7.2	--	2.9	>240	--	77	17	499	.68

07258000 ARKANSAS RIVER AT DARDANELLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT										
05...	1245	21	.240	.020	.080	.020	4	2	36	80
NOV										
02...	1315	16	.300	.040	.070	.020	3	<1	50	100
30...	1315	16	.130	.060	.070	.010	<1	--	27	60
JAN										
04...	1330	26	--	.090	.140	.070	<1	1	<10	--
FEB										
22...	1300	24	.440	.070	.110	.060	4	7	31	80
MAR										
08...	1245	30	.330	.050	--	.030	2	2	15	50
APR										
05...	1245	31	.490	.050	.130	.030	2	<1	--	40
MAY										
03...	1215	49	.850	.050	.130	.050	3	3	18	80
31...	1300	52	.520	.070	.130	.060	--	1	24	--
JUN										
28...	1300	32	.670	.080	.120	.010	1	<1	18	40
AUG										
02...	1250	11	.180	.040	.080	.010	1	<1	19	50
SEP										
06...	1245	10	--	.030	.080	<.010	2	<1	21	40

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)
NOV										
02...	1315	.0	.000	.000	.000	.000	.000	.00	.00	.0
FEB										
22...	1300	.0	.000	.000	.000	.000	.000	.00	.00	.0
APR										
05...	1245	.0	.000	.000	.000	.000	.000	.00	.00	.0
JUN										
28...	1300	.0	.000	.000	.000	.000	.000	.00	.00	.0

07258000 ARKANSAS RIVER AT DARDANELLE, AR--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	23.0	22.5	23.0	18.0	17.5	17.5	10.5	10.0	10.0	8.0	7.5	8.0
2	23.5	22.5	23.0	17.5	17.5	17.5	11.5	10.0	11.0	7.5	7.5	7.5
3	23.5	23.0	23.0	17.5	17.0	17.0	15.0	12.5	14.0	7.5	7.0	7.5
4	24.0	23.0	23.0	17.0	16.0	16.5	15.0	14.5	13.0	7.0	7.0	7.0
5	23.0	22.0	22.5	16.0	16.0	16.0	14.5	14.0	14.0	7.0	6.5	6.5
6	22.0	22.0	22.0	16.0	16.0	16.0	14.0	13.5	13.5	6.5	6.5	6.5
7	---	---	---	16.0	15.5	16.0	13.5	12.5	13.0	6.5	6.5	6.5
8	---	---	---	16.0	15.5	16.0	12.5	12.5	12.5	6.5	6.5	6.5
9	---	---	---	16.0	15.5	16.0	12.5	12.0	12.0	6.5	6.5	6.5
10	---	---	---	16.0	16.0	16.0	12.0	11.5	12.0	6.5	6.5	6.5
11	---	---	---	16.0	16.0	16.0	11.5	11.0	11.0	6.5	6.5	6.5
12	---	---	---	16.0	15.0	15.0	11.0	10.0	10.5	6.5	6.0	6.5
13	---	---	---	15.0	14.0	14.5	10.0	9.0	9.5	6.0	6.0	6.0
14	---	---	---	14.0	13.5	14.0	9.0	8.5	9.0	6.0	6.0	6.0
15	---	---	---	13.5	13.5	13.5	8.5	8.5	8.5	6.0	6.0	6.0
16	---	---	---	13.5	13.5	13.5	8.5	8.0	8.5	6.0	6.0	6.0
17	---	---	---	13.0	13.0	13.0	8.0	8.0	8.0	6.0	6.0	6.0
18	---	---	---	13.0	13.0	13.0	8.0	8.0	8.0	6.0	6.0	6.0
19	---	---	---	13.0	12.5	13.0	8.0	8.0	8.0	6.0	5.5	6.0
20	---	---	---	13.0	12.5	13.0	8.0	7.5	8.0	5.5	5.0	5.0
21	---	---	---	13.0	13.0	13.0	8.0	8.0	8.0	5.0	5.0	5.0
22	---	---	---	13.0	13.0	13.0	8.0	8.0	8.0	5.0	5.0	5.0
23	---	---	---	13.0	12.5	11.5	8.0	8.0	8.0	5.0	4.5	5.0
24	---	---	---	12.5	12.5	12.5	8.5	8.0	8.0	4.5	4.5	4.5
25	---	---	---	12.5	12.0	12.0	9.0	8.5	9.0	4.5	4.5	4.5
26	---	---	---	12.0	11.5	12.0	9.5	9.0	9.0	4.5	4.5	4.5
27	---	---	---	11.5	11.0	11.5	10.0	9.5	9.5	4.5	4.5	4.5
28	---	---	---	11.0	10.5	11.0	10.0	10.0	10.0	4.5	4.5	4.5
29	18.0	17.5	17.5	10.5	10.0	10.5	9.5	9.0	9.5	4.5	4.5	4.5
30	17.5	17.5	17.5	10.0	10.0	10.0	9.0	8.5	9.0	5.0	4.5	4.5
31	18.0	17.5	17.5	---	---	---	8.5	8.0	8.5	5.0	5.0	5.0
MONTH	24.0	17.5	21.0	18.0	10.0	14.0	15.0	7.5	10.0	8.0	4.5	6.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.0	5.0	5.0	9.0	9.0	9.0	10.0	9.5	10.0	18.0	17.5	17.5
2	5.5	5.0	5.0	9.0	9.0	9.0	10.0	10.0	10.0	18.0	18.0	18.0
3	5.0	5.0	5.0	9.5	9.0	9.5	10.0	9.5	10.0	18.0	18.0	18.0
4	5.0	4.5	4.5	10.0	9.5	10.0	10.0	9.5	10.0	18.0	17.5	17.5
5	4.5	4.5	4.5	11.0	10.0	10.5	10.0	10.0	10.0	18.0	17.0	17.5
6	4.5	4.0	4.5	11.5	11.0	11.0	10.0	10.0	10.0	18.5	18.0	18.0
7	4.0	4.0	4.0	11.5	11.5	11.5	10.0	10.0	10.0	18.5	18.0	18.5
8	4.0	4.0	4.0	11.5	11.5	11.5	10.0	10.0	10.0	18.5	18.5	18.5
9	4.0	4.0	4.0	11.5	11.0	11.5	10.0	10.0	10.0	19.0	18.5	18.5
10	4.0	4.0	4.0	11.0	10.5	10.5	10.0	10.0	10.0	19.0	19.0	19.0
11	4.0	4.0	4.0	10.5	9.5	10.0	10.0	10.0	10.0	19.0	19.0	19.0
12	4.5	4.0	4.0	10.0	9.5	10.0	10.5	10.0	10.0	19.5	19.0	19.5
13	5.0	4.5	5.0	10.0	9.5	10.0	11.5	11.0	11.0	19.5	19.5	19.5
14	5.5	5.0	5.5	10.5	10.0	10.5	11.5	11.0	11.0	19.5	19.0	19.5
15	6.0	5.5	6.0	11.0	10.5	11.0	11.0	11.0	11.0	19.5	19.5	19.5
16	6.0	6.0	6.0	12.0	11.0	11.5	12.0	11.5	12.0	19.5	19.0	19.0
17	6.5	6.0	6.5	12.0	12.0	12.0	12.5	12.0	12.0	19.0	19.0	19.0
18	7.0	6.5	6.5	12.0	12.0	12.0	12.5	12.5	12.5	19.0	18.5	18.5
19	7.5	7.0	7.0	12.0	12.0	12.0	13.0	12.5	12.5	18.5	18.5	18.5
20	8.0	7.5	7.5	12.0	11.5	12.0	12.5	12.0	12.0	19.0	18.5	19.0
21	8.5	8.0	8.0	11.5	10.5	11.0	12.0	12.0	12.0	19.0	18.5	19.0
22	9.0	8.5	9.0	10.5	10.5	10.5	12.0	12.0	12.0	19.0	18.5	19.0
23	9.0	9.0	9.0	10.5	10.5	10.5	12.5	12.0	12.0	19.5	19.0	19.5
24	9.5	9.0	9.5	10.5	10.5	10.5	12.5	12.5	12.5	20.0	19.5	20.0
25	9.5	9.5	9.5	10.5	10.0	10.0	13.5	12.5	13.0	20.5	20.0	20.0
26	9.5	9.5	9.5	10.0	10.0	10.0	14.0	13.5	13.5	21.0	20.5	20.5
27	9.5	9.0	9.5	10.0	10.0	10.0	15.0	14.0	14.5	21.5	21.0	21.0
28	9.0	9.0	9.0	10.0	9.5	9.5	16.0	15.0	15.5	22.0	21.5	21.5
29	---	---	---	9.5	9.5	9.5	16.5	16.0	16.0	22.0	22.0	22.0
30	---	---	---	9.5	9.5	9.5	17.5	16.5	17.0	22.0	22.0	22.0
31	---	---	---	9.5	9.5	9.5	---	---	---	22.0	21.5	21.5
MONTH	9.5	4.0	6.5	12.0	9.0	10.5	17.5	9.5	11.5	22.0	17.0	19.5

ARKANSAS RIVER BASIN

07258000 ARKANSAS RIVER AT DARDANELLE, AR--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.5	21.0	21.5	27.5	27.0	27.0	30.0	30.0	30.0	30.0	29.5	30.0
2	22.5	21.5	22.5	27.0	27.0	27.0	30.0	30.0	30.0	30.0	29.5	30.0
3	22.5	22.5	22.5	27.0	27.0	27.0	30.0	29.5	30.0	30.0	29.0	29.5
4	23.0	22.5	22.5	27.5	27.0	27.0	30.0	30.0	30.0	29.5	29.0	29.0
5	23.0	23.0	23.0	28.0	27.5	27.5	30.5	30.0	30.0	29.5	29.0	29.0
6	23.0	23.0	23.0	---	---	27.5	30.5	30.0	30.0	29.0	28.5	29.0
7	23.0	23.0	23.0	28.0	27.5	28.0	30.0	30.0	30.0	29.0	28.5	28.5
8	23.0	23.0	23.0	28.0	27.5	28.0	30.0	29.5	30.0	28.5	28.0	28.5
9	23.0	23.0	23.0	28.0	27.5	28.0	30.0	30.0	30.0	28.5	28.0	28.5
10	23.0	23.0	23.0	28.0	27.5	28.0	30.0	30.0	30.0	29.0	28.0	28.5
11	23.5	23.0	23.0	28.5	28.0	28.0	30.5	30.0	30.0	29.0	28.5	29.0
12	23.5	23.5	23.5	28.5	28.0	28.0	30.5	30.5	30.5	29.0	28.5	28.5
13	24.0	24.0	24.0	28.5	28.5	28.5	30.5	30.0	30.0	28.5	27.5	28.0
14	24.5	24.0	24.0	28.5	28.5	28.5	31.0	29.5	30.0	28.0	27.0	27.5
15	25.0	24.5	25.0	28.5	28.5	28.5	30.0	29.5	29.5	27.5	26.5	27.0
16	25.0	24.5	25.0	28.0	28.0	28.0	29.5	29.0	29.5	26.5	26.0	26.5
17	25.0	24.5	25.0	28.0	28.0	28.0	29.5	29.0	29.5	27.5	26.5	27.0
18	25.0	25.0	25.0	28.0	27.5	28.0	30.0	29.0	29.5	27.5	27.0	27.0
19	25.0	25.0	25.0	28.0	27.5	28.0	29.0	29.0	29.0	27.5	26.5	27.0
20	25.5	25.0	25.5	28.5	27.5	28.0	30.0	29.0	29.5	26.5	25.5	26.0
21	26.0	25.5	26.0	28.0	28.0	28.0	30.0	29.0	29.5	25.5	24.0	24.5
22	26.5	26.0	26.5	28.5	28.0	28.0	30.0	29.0	29.5	25.0	24.0	24.5
23	27.0	26.5	26.5	29.5	28.5	29.0	30.0	29.5	30.0	24.5	24.0	24.5
24	27.0	27.0	27.0	29.5	29.0	29.0	30.0	30.0	30.0	24.0	23.5	24.0
25	27.0	27.0	27.0	29.5	29.0	29.5	30.0	30.0	30.0	24.5	24.0	24.0
26	27.0	27.0	27.0	29.5	29.0	29.0	30.0	30.0	30.0	24.0	23.5	24.0
27	27.0	27.0	27.0	29.0	29.0	29.0	30.0	30.0	30.0	24.5	23.5	24.0
28	27.0	27.0	27.0	29.5	29.0	29.5	30.0	29.5	30.0	24.5	23.5	24.5
29	27.0	27.0	27.0	29.5	29.5	29.5	30.5	29.5	30.0	24.0	23.0	24.5
30	27.0	27.0	27.0	30.0	29.5	30.0	30.5	30.0	30.0	23.0	22.5	23.0
31	---	---	---	30.0	29.5	30.0	30.0	29.5	30.0	---	---	---
MONTH	27.0	21.0	24.5	30.0	27.0	28.5	31.0	29.0	30.0	30.0	22.5	27.0

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 downstream from Fletcher Creek, 2.3 mi south of Booneville, and at mile 102.3.

DRAINAGE AREA.--241 mi^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 National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--44 years, (1939-83), 249 ft^3/s, 14.03 in/yr, 180,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 43,200 ft^3/s Apr. 16, 1939, gage height, 23.42 ft, from rating curve extended above 20,500 ft^3/s on basis of slope-area and contractedopening measurement of peak flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 3	1200	*19,900	22.03	May 3	0900	7,030	17.78
Dec. 24	1500	5,760	15.86	May 15	0900	7,640	18.46
Mar. 5	0200	4,420	13.40	May 19	0200	5,730	15.80
Apr. 23	1000	4,230	13.04	July 2	1600	4,410	13.38

No flow at times.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.63	52	352	2340	149	122	156	127	12	3.0	.88
2	.00	3.1	3940	339	961	133	665	1190	97	1530	2.4	.98
3	.00	3.3	17900	357	553	120	405	4820	75	543	2.4	.98
4	.00	1.5	7860	267	368	1640	284	968	62	147	2.0	.78
5	.00	.78	1810	230	313	2500	245	567	53	336	1.8	.70
6	.00	.56	736	203	301	892	208	374	48	212	1.8	.50
7	.21	.56	448	183	260	556	177	433	48	106	1.3	.50
8	.35	.70	328	167	221	374	160	416	42	59	654	.56
9	7.4	1.1	265	158	201	289	141	272	34	41	331	.50
10	.87	1.2	265	141	191	240	129	217	27	33	71	.50
11	.28	1.3	948	122	169	203	115	267	22	26	28	.45
12	.14	1.6	684	101	151	179	98	508	19	21	16	.45
13	.14	1.3	425	89	137	164	750	323	16	17	19	.45
14	.14	1.2	313	84	118	145	1150	1540	14	28	24	.40
15	.21	1.1	248	75	110	131	436	5610	12	18	14	.35
16	.14	1.3	197	66	98	115	293	1320	11	36	9.2	.45
17	.07	1.3	165	62	89	101	228	700	9.9	33	6.3	.40
18	.00	1.2	147	58	80	92	193	2520	9.5	27	4.8	.40
19	.00	1.2	131	55	75	82	173	3110	8.0	17	3.8	.35
20	.00	1.1	110	51	68	85	230	832	6.6	14	3.2	.50
21	.00	.97	98	50	242	81	206	622	6.3	11	2.8	.78
22	.00	.97	89	48	840	68	235	920	5.7	8.8	2.2	.56
23	.00	1.3	147	47	518	59	2980	511	5.1	6.9	1.9	.40
24	.00	1.5	4180	46	360	55	1100	339	5.1	6.0	1.5	.30
25	.00	1.3	2640	48	289	51	608	252	4.5	5.4	1.3	.20
26	.00	9.1	886	124	226	57	405	197	5.7	4.5	1.2	.10
27	.00	295	1650	277	193	105	301	156	5.1	4.3	.98	.00
28	.14	537	1680	208	169	82	242	195	5.7	3.8	.98	.00
29	.49	155	776	185	---	65	210	272	20	3.6	.88	.00
30	.56	83	521	177	---	62	181	206	14	3.6	.78	.00
31	.63	---	419	323	---	65	---	158	---	3.2	.88	---
TOTAL	11.77	1111.17	50058	4693	9641	8940	12670	29971	818.2	3317.1	1214.40	13.42
MEAN	.38	37.0	1615	151	344	288	422	967	27.3	107	39.2	.45
MAX	7.4	537	17900	357	2340	2500	2980	5610	127	1530	654	.98
MIN	.00	.56	52	46	68	51	98	156	4.5	3.2	.78	.00
CFSM	.002	.15	6.70	.63	1.43	1.20	1.75	4.01	.11	.44	.16	.002
IN.	.00	.17	7.73	.72	1.49	1.38	1.96	4.63	.13	.51	.19	.00
AC-FT	23	2200	99290	9310	19120	17730	25130	59450	1620	6580	2410	27

CAL YR 1982	TOTAL	112507.16	MEAN 308	MAX 17900	MIN .00	CFSM 1.28	IN 17.37	AC-FT 223200			
WTR YR 1983	TOTAL	122459.06	MEAN 336	MAX 17900	MIN .00	CFSM 1.39	IN 18.90	AC-FT 242900			

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
12...	1345	0	9827	9827	.14	8.1	23.0	19.0	4.4	3.8
NOV										
09...	0715	0	9827	9827	1.2	6.8	10.0	11.0	7.0	2.5
30...	0900	0	9827	9827	86	6.7	15.0	9.0	60	9.9
JAN										
11...	0845	0	9827	9827	124	6.8	5.0	5.0	25	--
FEB										
08...	0800	0	9827	9827	221	7.0	5.0	3.0	25	12.7
MAR										
15...	1435	0	9827	9827	126	6.6	31.0	17.0	20	10.7
APR										
19...	1415	0	9827	9827	167	6.8	7.0	12.0	20	10.0
MAY										
24...	1510	0	9827	9827	316	6.8	28.0	21.0	30	8.5
JUN										
21...	1330	0	9827	9827	6.3	6.9	34.0	29.0	8.8	8.0
JUL										
12...	1200	0	9827	9827	21	6.4	35.0	28.0	35	7.2
AUG										
09...	1000	0	9827	9827	262	6.4	34.0	25.0	160	6.8
SEP										
13...	1250	0	9827	9827	.45	6.8	33.0	27.0	25	4.0

DATE	TIME	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										
12...	1345	40	--	380	32	8.0	5.0	94	.13	21
NOV										
09...	0715	22	9.4	28	56	10	7.0	102	.14	15
30...	0900	85	3.0	1200	28	14	6.0	127	.17	25
JAN										
11...	0845	--	--	130	22	12	7.5	63	.09	4
FEB										
08...	0800	94	.9	36	20	15	8.0	69	.09	9
MAR										
15...	1435	--	1.1	36	20	12	5.5	54	.07	8
APR										
19...	1415	--	.5	88	--	10	4.0	73	.10	8
MAY										
24...	1510	--	.8	120	--	9.0	4.5	332	.45	14
JUN										
21...	1330	--	3.1	84	--	13	--	58	.08	8
JUL										
12...	1200	--	1.6	160	--	9.0	5.5	68	.09	18
AUG										
09...	1000	--	5.2	>600	--	--	4.5	90	.12	130
SEP										
13...	1250	--	--	44	--	10	6.0	--	--	14

07258500 PETIT JEAN RIVER NEAR BOONEVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT										
12...	1345	--	.090	.080	.020	<1	4	<10	50	--
NOV										
09...	0715	.010	.010	.110	.020	--	<1	23	40	.0
30...	0900	--	.050	.140	.040	<1	3	23	30	--
JAN										
11...	0845	.200	.030	.030	.050	<1	2	17	30	--
FEB										
08...	0800	.210	--	.070	.030	<1	10	130	140	--
MAR										
15...	1435	--	.090	.030	.010	<1	1	15	40	--
APR										
19...	1415	.060	.010	.060	.010	<1	<1	<10	10	--
MAY										
24...	1510	.070	.020	--	.010	<1	1	<10	20	--
JUN										
21...	1330	.010	<.010	--	<.010	<1	<1	67	60	--
JUL										
12...	1200	.020	.040	.070	.010	<1	1	18	60	--
AUG										
09...	1000	.310	.170	.230	.050	<1	1	28	60	--
SEP										
13...	1250	.020	.190	.080	.010	<1	--	16	50	--

DATE	TIME	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)
NOV									
09...	0715	.000	.000	.000	.000	.000	.00	.00	.0

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 southwest of Waveland, and at mile 74.4.

DRAINAGE AREA.--488 mi^2.

PERIOD OF RECORD.--October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)
OCT							
15...	1100	0	80513	80513	.00	26.0	88
15...	1105	0	80513	80513	10.0	26.0	88
15...	1110	0	80513	80513	20.0	26.0	88
15...	1115	0	80513	80513	26.0	26.0	90

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT						
15...	1100	7.8	19.0	23.0	.60	8.7
15...	1105	7.7	19.0	--	--	8.6
15...	1110	7.7	19.0	--	--	8.6
15...	1115	7.7	19.0	--	--	8.6

DATE	TIME	MEDIUM	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)
NOV								
16...	1130	0	80513	80513	.00	28.0	90	7.7
16...	1135	0	80513	80513	10.0	28.0	90	7.7
16...	1140	0	80513	80513	20.0	28.0	90	7.7
16...	1145	0	80513	80513	28.0	28.0	90	7.7

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
16...	1130	10.0	24.0	.60	11.2	99	760
16...	1135	10.0	--	--	11.2	--	--
16...	1140	10.0	--	--	11.2	--	--
16...	1145	10.0	--	--	11.2	--	--

DATE	TIME	MEDIUM	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)
DEC								
20...	1330	0	80513	80513	.00	38.0	48	6.4
20...	1332	0	80513	80513	10.0	38.0	48	6.5
20...	1335	0	80513	80513	20.0	38.0	48	6.5
20...	1340	0	80513	80513	30.0	38.0	48	6.5
20...	1345	0	80513	80513	38.0	38.0	48	6.9

ARKANSAS RIVER BASIN

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC							
20...	1330	13.0	12.0	.30	8.5	81	755
20...	1332	13.0	--	--	8.5	--	--
20...	1335	13.0	--	--	8.5	--	--
20...	1340	13.0	--	--	8.5	--	--
20...	1345	13.0	--	--	8.5	--	--

DATE	TIME	MEDIUM	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)
JAN										
26...	0815	0	80513	80513	.00	25.0	61	7.0	6.5	4.5
26...	0816	0	80513	80010	3.00	25.0	--	--	--	--
26...	0820	0	80513	80010	5.00	25.0	61	7.0	--	4.5
26...	0825	0	80513	80513	10.0	25.0	60	7.0	--	4.5
26...	0830	0	80513	80010	20.0	25.0	59	7.1	--	4.5
26...	0835	0	80513	80513	25.0	25.0	63	7.2	--	4.5

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
JAN									
26...	0815	6.0	.20	12.0	94	754	--	--	--
26...	0820	--	--	12.0	--	--	70	--	1.4
26...	0825	--	--	11.9	--	--	--	--	--
26...	0830	--	--	11.8	--	--	65	50	2.1
26...	0835	--	--	11.8	--	--	--	--	--

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
JAN									
26...	0815	K26	--	--	--	--	--	--	--
26...	0820	--	14	0	0	2.4	6.0	1.9	14
26...	0830	--	13	0	0	2.1	5.0	1.8	13

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
JAN									
26...	0820	8.0	2.5	.300	.300	.170	.03	.20	.50
26...	0830	8.0	1.0	.300	.300	.190	.21	.40	.70

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN									
26...	0816	--	--	--	--	--	--	2.30	<.100
26...	0820	2.2	.430	1.3	.060	3100	280	--	--
26...	0830	3.1	.080	.25	.060	3500	360	--	--

DATE	TIME	MEDIUM	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)
FEB								
18...	1200	0	80513	80513	.00	25.0	64	7.1
18...	1205	0	80513	80513	10.0	25.0	64	6.9
18...	1210	0	80513	80513	20.0	25.0	64	6.9
18...	1215	0	80513	80513	25.0	25.0	64	6.9

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
FEB							
18...	1200	7.0	12.0	30.0	11.4	95	757
18...	1205	7.0	--	--	11.2	--	--
18...	1210	7.0	--	--	11.2	--	--
18...	1215	7.0	--	--	11.1	--	--

DATE	TIME	MEDIUM	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)
MAR								
25...	1020	0	80513	80513	.00	25.0	66	7.2
25...	1025	0	80513	80513	10.0	25.0	66	7.1
25...	1030	0	80513	80513	20.0	25.0	66	7.1
25...	1035	0	80513	80513	25.0	25.0	66	7.2

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
25...	1020	10.0	15.6	.40	10.8	97	755
25...	1025	9.5	--	--	10.6	--	--
25...	1030	9.5	--	--	10.6	--	--
25...	1035	9.5	--	--	10.6	--	--

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
APR								
18...	1145	9	80513	80513	.00	27.0	56	7.3
18...	1150	9	80513	80513	10.0	27.0	56	7.3
18...	1155	9	80513	80513	20.0	27.0	56	7.3
18...	1200	9	80513	80513	27.0	27.0	56	7.3

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR							
18...	1145	13.5	22.8	.60	10.0	97	753
18...	1150	13.5	--	--	9.8	--	--
18...	1155	13.5	--	--	9.4	--	--
18...	1200	13.5	--	--	9.4	--	--

DATE	TIME	MEDIUM	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)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
MAY											
16...	1445	9	80513	80513	.00	32.0	52	6.7	26.5	21.0	24.0
16...	1446	9	80513	80010	3.00	32.0	--	--	--	--	--
16...	1450	9	80513	80010	6.00	32.0	52	6.7	--	20.5	--
16...	1452	9	80513	80513	10.0	32.0	52	6.7	--	19.5	--
16...	1454	9	80513	80513	20.0	32.0	52	6.6	--	19.5	--
16...	1455	9	80513	80010	26.0	32.0	52	6.6	--	19.0	--
16...	1458	9	80513	80513	30.0	32.0	52	6.6	--	19.0	--
16...	1500	9	80513	80513	32.0	32.0	52	6.6	--	19.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)
MAY											
16...	1445	.60	7.8	88	755	--	--	--	6	--	--
16...	1450	--	7.8	--	--	48	15	2.2	--	12	0
16...	1452	--	7.6	--	--	--	--	--	--	--	--
16...	1454	--	7.5	--	--	--	--	--	--	--	--
16...	1455	--	7.4	--	--	45	18	1.7	--	15	2
16...	1458	--	7.4	--	--	--	--	--	--	--	--
16...	1500	--	7.3	--	--	--	--	--	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	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)
MAY										
16...	1450	0	2.4	6.0	1.4	11	8.0	2.5	<.100	.300
16...	1455	2	3.2	8.0	1.6	13	7.0	2.5	<.100	.110

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	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)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY										
16...	1446	--	--	.030	.09	.020	--	--	.500	<.100
16...	1450	.00	.30	.040	.12	.010	550	60	--	--
16...	1455	.19	.30	.040	.12	.010	760	80	--	--

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)
JUN								
09...	1230	9	80513	80513	.00	32.0	52	6.7
09...	1235	9	80513	80513	10.0	32.0	52	6.7
09...	1240	9	80513	80513	20.0	32.0	52	6.6
09...	1245	9	80513	80513	30.0	32.0	52	6.6
09...	1250	9	80513	80513	32.0	32.0	52	6.5

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JUN							
09...	1230	21.5	28.8	.70	7.6	87	756
09...	1235	21.0	--	--	7.6	--	--
09...	1240	20.0	--	--	7.5	--	--
09...	1245	20.0	--	--	7.4	--	--
09...	1250	19.5	--	--	7.4	--	--

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
JUL										
22...	1100	9	80513	80513	.00	18.0	60	5.8	32.5	31.2
22...	1101	9	80513	80010	3.00	18.0	--	--	--	--
22...	1102	9	80513	80513	8.00	18.0	60	6.0	31.5	--
22...	1104	9	80513	80513	9.00	18.0	60	6.6	29.5	--
22...	1106	9	80513	80513	10.0	18.0	60	6.2	28.0	--
22...	1108	9	80513	80513	11.0	18.0	60	6.1	27.0	--
22...	1110	9	80513	80513	12.0	18.0	70	6.2	25.5	--
22...	1112	9	80513	80513	13.0	18.0	76	6.4	24.5	--
22...	1114	9	80513	80513	16.0	18.0	84	6.5	23.5	--
22...	1115	9	80513	80513	18.0	18.0	84	6.5	23.5	--

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	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)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUL										
22...	1100	.80	6.4	89	759	--	--	--	--	--
22...	1101	--	--	--	--	.050	.15	<.010	5.10	<.100
22...	1102	--	5.0	--	--	--	--	--	--	--
22...	1104	--	5.0	--	--	--	--	--	--	--
22...	1106	--	2.3	--	--	--	--	--	--	--
22...	1108	--	1.3	--	--	--	--	--	--	--
22...	1110	--	.2	--	--	--	--	--	--	--
22...	1112	--	.0	--	--	--	--	--	--	--
22...	1114	--	.0	--	--	--	--	--	--	--
22...	1115	--	.0	--	--	--	--	--	--	--

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
AUG											
15...	1350	9	80513	80513	.00	15.0	68	6.6	36.0	27.5	16.8
15...	1355	9	80513	80010	3.00	15.0	69	6.6	--	27.5	--
15...	1400	9	80513	80513	10.0	15.0	70	6.4	--	27.5	--
15...	1405	9	80513	80010	12.0	15.0	70	6.4	--	27.5	--
15...	1410	9	80513	80513	15.0	15.0	77	6.3	--	27.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)
AUG											
15...	1350	.40	3.6	46	755	--	--	--	0	--	--
15...	1355	--	3.4	--	--	7	7.0	1.2	--	19	0
15...	1400	--	2.9	--	--	--	--	--	--	--	--
15...	1405	--	2.9	--	--	25	9.0	1.3	--	24	0
15...	1410	--	.7	--	--	--	--	--	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	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)
AUG										
15...	1355	0	3.8	10	2.4	23	5.0	1.8	<.100	.150
15...	1405	0	5.6	14	2.5	28	5.0	1.9	<.100	.260

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG										
15...	1355	.35	.50	.040	.12	.010	570	1200	13.0	4.00
15...	1405	.44	.70	.050	.15	.020	1500	2300	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
SEP										
14...	0900	9	80513	80513	.00	15.0	70	6.7	26.5	40.8
14...	0901	9	80513	80010	3.00	15.0	--	--	--	--
14...	0905	9	80513	80513	10.0	15.0	70	6.8	26.5	--
14...	0910	9	80513	80513	15.0	15.0	70	6.9	26.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	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										
14...	0900	1.00	3.6	45	759	--	--	--	--	--
14...	0901	--	--	--	--	.050	.15	.010	28.0	<.100
14...	0905	--	3.5	--	--	--	--	--	--	--
14...	0910	--	3.3	--	--	--	--	--	--	--

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 southwest of Waveland, and at mile 74.4.

DRAINAGE AREA.--488 mi^2.

PERIOD OF RECORD.--October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 15...	1040	0	80513	80513	8.0	86	7.7	19.0	8.8

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV 16...	1100	0	80513	80513	8.0	91	7.6	8.0	11.2

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC 20...	1245	0	80513	80513	1820	47	6.3	10.0	10.4

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN 26...	0800	0	80513	80010	480	64	7.1	6.5	4.0	13.8

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)
JAN 26...	0800	106	754	65	25	1.8	K6	14	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)
JAN 26...	0800	0	2.5	6.0	1.9	14	8.0	1.5	.300

07259500 PETIT JEAN RIVER NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
JAN 26...	0800	.300	.120	<.10	.060	.18	.040	1200	180

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
FEB 18...	1130	0	80513	80513	145	64	7.2	7.0	11.6

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
MAR 25...	1000	0	80513	80513	122	65	7.2	10.5	11.2

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
APR 18...	1100	9	80513	80513	1600	56	7.3	13.5	11.0

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY 16...	1415	9	80513	80010	27	50	6.4	26.5	19.5	8.1

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)
MAY 16...	1415	89	755	40	17	3.1	8	12	2

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
MAY 16...	1415	2	2.2	6.0	1.5	10	8.0	2.0	<.100

07259500 PETIT JEAN RIVER NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
MAY 16...	1415	.120	.08	.20	.040	.12	.020	580	60

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 09...	1200	9	80513	80513	1920	51	6.2	20.0	8.0

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL 22...	1045	9	80513	80513	27	70	6.3	26.0	5.2

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG 15...	1330	9	80513	80010	246	72	6.2	35.5	27.5	4.8

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
AUG 15...	1330	61	755	30	11	2.7	61	21	0	0

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
AUG 15...	1330	4.3	11	2.4	25	5.0	2.1	.100	.100	.220

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
AUG 15...	1330	.38	.60	.70	3.1	.040	.12	.050	880	1700

07259500 PETIT JEAN RIVER NEAR WAVELAND, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 14...	0830	9	80513	80513	13	70	6.7	25.5	6.2

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 upstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 0.5 mi upstream from Spring Creek, 0.6 mi downstream from Dutch Creek, and at mile 48.8.

DRAINAGE AREA.--764 mi^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 National Geodetic Vertical Datum of 1929. June 1, 1916, to Aug. 24, 1934, nonrecording gage on railroad bridge 0.3 mi downstream at datum 0.25 ft 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 downstream.

REMARKS.--Records good except those for period of no gage-height record, July 22 to Aug. 22, which are fair. Flow regulated since March 1947 by Blue Mountain Lake, 25.6 mi upstream, capacity, 257,900 acre-ft.

AVERAGE DISCHARGE.--67 years, 809 ft^3/s, 586,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,800 ft^3/s Apr. 17, 1939, gage height, 31.82 ft; no flow at times in 1924, 1934-36, 1943, 1956, 1963, 1965.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 47,500 ft^3/s Dec. 3, gage height, 29.36 ft; minimum daily, 2.9 ft^3/s Aug. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	40	971	2620	2090	1130	200	1690	2300	58	15	6.2
2	5.3	6.1	1090	2780	2010	818	411	2490	2460	64	15	7.4
3	5.4	5.8	26400	2850	1730	522	652	10300	2100	272	15	5.8
4	3.5	5.2	25900	2820	1870	633	452	8400	1740	182	15	5.5
5	3.2	4.2	7310	2810	2060	3070	1440	3040	1530	2090	15	5.5
6	3.8	3.8	2840	2850	2160	1950	1540	1340	1520	2250	15	4.8
7	5.0	4.1	1320	2840	2080	840	1480	1250	1820	932	15	5.4
8	5.3	4.2	1750	2810	1800	1570	1080	930	2050	1330	750	5.2
9	5.6	4.0	2590	2740	1500	2060	621	562	2010	1460	450	4.7
10	6.0	3.8	3070	2630	1260	2170	390	1740	1930	1440	330	4.4
11	6.1	3.8	3150	2570	941	2040	318	2120	2060	1400	290	6.3
12	6.0	3.9	2790	2620	484	1670	305	2200	2030	1370	280	6.9
13	6.1	3.8	2140	2600	298	1500	1180	2320	1980	1320	350	7.7
14	5.3	3.8	2180	2600	298	1460	4170	2640	1980	1130	400	6.5
15	4.4	3.8	2660	2430	295	1320	2700	4050	1990	804	270	6.4
16	3.7	3.6	2910	1970	289	975	1170	3650	1990	474	180	6.4
17	3.2	3.5	3030	1790	449	542	610	1710	1990	423	110	5.8
18	2.9	3.5	2990	1710	299	311	1630	1850	2000	290	60	6.0
19	2.9	3.8	2850	1560	216	187	1830	4760	1970	168	35	6.6
20	2.9	4.0	1860	1610	201	171	1630	4170	1960	66	17	8.2
21	3.0	5.1	2020	1290	217	169	1400	1880	1760	25	10	7.3
22	3.5	5.7	2530	809	1210	224	1610	1400	1040	25	5.0	8.7
23	4.0	6.4	2670	509	1310	235	2930	1570	542	25	2.9	19
24	3.8	6.0	3020	483	1630	167	3000	1900	389	25	3.2	23
25	4.0	5.4	2770	485	1660	122	1750	1880	210	25	3.9	22
26	4.4	9.2	1880	492	1550	118	1350	2230	93	25	4.1	20
27	4.2	320	1740	582	1430	152	1590	2300	40	25	2.9	18
28	4.5	1250	1760	561	1410	139	1570	2360	18	30	4.4	20
29	64	408	1790	546	---	135	1680	2300	261	25	5.7	20
30	163	745	1850	546	---	151	1740	1840	169	20	4.4	22
31	95	---	2280	571	---	308	---	1810	---	16	4.2	---
TOTAL	445.8	2879.5	124111	56084	32747	26859	42429	82682	43932	17789	3677.7	301.7
MEAN	14.4	96.0	4004	1809	1170	866	1414	2667	1464	574	119	10.1
MAX	163	1250	26400	2850	2160	3070	4170	10300	2460	2250	750	23
MIN	2.9	3.5	971	483	201	118	200	562	18	16	2.9	4.4
AC-FT	884	5710	246200	111200	64950	53270	84160	164000	87140	35280	7290	598

CAL YR 1982 TOTAL 313242.7 MEAN 858 MAX 26400 MIN 1.6 AC-FT 621300
WTR YR 1983 TOTAL 433937.7 MEAN 1189 MAX 26400 MIN 2.9 AC-FT 860700

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 southwest of Centerville.

DRAINAGE AREA.--927 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
05...	1315	0	9827	9827	3.5	7.0	28.0	23.0	40	6.4
NOV										
02...	1345	0	9827	9827	6.5	7.3	18.0	18.0	40	10.6
30...	1400	0	9827	9827	815	6.8	20.0	11.0	85	8.8
JAN										
04...	1350	0	9827	9827	2940	6.5	9.0	7.0	50	10.9
FEB										
22...	1330	0	9827	9827	2240	6.8	14.0	11.0	55	9.6
MAR										
08...	1310	0	9827	9827	1950	6.7	11.0	13.0	45	8.3
APR										
05...	1315	0	9827	9827	1610	6.7	16.0	12.0	45	9.6
MAY										
03...	1240	0	9827	9827	15500	6.1	17.0	17.0	60	6.4
31...	1325	0	9827	9827	1870	6.8	24.0	21.0	40	7.2
JUN										
28...	1320	0	9827	9827	21	6.5	27.0	27.0	80	4.1
AUG										
02...	1315	0	9827	9827	18	6.8	34.0	32.0	45	6.4
SEP										
06...	1305	0	9827	9827	5.0	6.8	33.0	28.0	70	6.3

DATE	TIME	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										
05...	1315	74	4.0	36	40	9.0	15	--	--	28
NOV										
02...	1345	112	--	--	40	6.0	13	81	.11	34
30...	1400	79	6.3	1200	26	12	11	137	.19	88
JAN										
04...	1350	89	1.2	32	16	9.0	4.0	70	.10	28
FEB										
22...	1330	86	1.2	250	16	8.0	6.5	61	.08	64
MAR										
08...	1310	78	1.7	240	16	6.0	6.0	52	.07	30
APR										
05...	1315	89	1.8	900	22	9.0	6.5	62	.08	42
MAY										
03...	1240	--	4.8	>600	--	8.0	3.0	61	.08	46
31...	1325	--	3.2	210	--	5.0	3.5	58	.08	69
JUN										
28...	1320	--	2.1	470	--	8.0	5.0	72	.10	105
AUG										
02...	1315	--	3.8	64	--	6.0	7.0	76	.10	34
SEP										
06...	1305	--	2.7	440	--	9.0	6.5	88	.12	73

07260640 PETIT JEAN RIVER NEAR CENTERVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT										
05...	1315	.080	.380	.050	.010	<1	2	<10	0	--
NOV										
02...	1345	.010	.010	.140	.010	<1	<1	<10	10	.0
30...	1400	.670	.550	.780	.370	2	--	11	60	--
JAN										
04...	1350	--	.110	.140	.060	<1	<1	<10	--	--
FEB										
22...	1330	.370	.080	.110	.060	<1	2	13	20	--
MAR										
08...	1310	.280	.080	--	.060	1	<1	13	30	--
APR										
05...	1315	.250	.070	.140	.030	4	<1	--	20	--
MAY										
03...	1240	.180	.060	.240	.110	<1	2	19	40	--
31...	1325	.120	.090	.080	.040	--	<1	12	--	--
JUN										
28...	1320	.450	.150	.130	.020	<1	<1	<10	0	--
AUG										
02...	1315	.420	.070	.090	.010	<1	<1	<10	10	--
SEP										
06...	1305	--	.090	.110	.010	<1	2	<10	0	--

DATE	TIME	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)
NOV									
02...	1345	.000	.000	.000	.000	.000	.00	.00	.0

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 northwest of Oppelo, and at mile 193.0.

DRAINAGE AREA.--154,949 mi^2, of which 22,241 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
05...	1405	0	9827	9827	1800	8.2	30.0	23.0	6.2	8.8
NOV										
02...	1445	0	9827	9827	.00	8.1	19.0	18.0	5.2	9.5
30...	1450	0	9827	9827	5200	7.9	20.0	13.0	15	10.1
JAN										
04...	1445	0	9827	9827	5600	7.4	10.0	7.0	40	11.8
FEB										
22...	1420	0	9827	9827	2600	7.9	15.0	16.0	35	11.6
MAR										
08...	1415	0	9827	9827	4500	7.9	14.0	12.0	40	10.3
APR										
05...	1405	0	9827	9827	5000	8.0	16.0	12.0	35	11.0
MAY										
03...	1330	0	9827	9827	136000	7.7	18.0	17.0	50	10.0
31...	1420	0	9827	9827	107000	7.7	26.0	22.0	55	7.5
JUN										
28...	1415	0	9827	9827	4500	7.7	29.0	28.0	40	7.3
AUG										
02...	1410	0	9827	9827	4500	8.1	35.0	32.0	5.2	8.8
SEP										
06...	1400	0	9827	9827	3600	8.4	34.0	31.0	6.5	10.2

DATE	TIME	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										
05...	1405	101	1.5	<4	170	63	140	--	--	10
NOV										
02...	1445	100	1.6	--	150	62	140	430	.58	7
30...	1450	92	1.3	330	140	48	110	402	.55	16
JAN										
04...	1445	97	.9	88	72	28	29	167	.23	22
FEB										
22...	1420	103	.7	12	110	33	46	234	.32	20
MAR										
08...	1415	95	1.5	210	110	34	62	243	.33	30
APR										
05...	1405	102	1.5	76	140	53	150	426	.58	34
MAY										
03...	1330	--	1.6	740	--	39	68	274	.37	58
31...	1420	--	.4	72	--	50	77	321	.44	52
JUN										
28...	1415	--	1.2	24	--	47	74	310	.42	33
AUG										
02...	1410	--	3.2	>240	--	78	180	523	.71	10
SEP										
06...	1400	--	5.4	8	--	79	180	476	.65	10

07260660 ARKANSAS RIVER AT DAM NO. 9, NEAR OPPELO, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT										
05...	1405	.080	.110	.060	.030	2	1	24	50	--
NOV										
02...	1445	.130	.050	.050	.020	4	<1	19	40	.0
30...	1450	.160	.070	.080	.020	<1	--	15	70	--
JAN										
04...	1445	--	.100	.130	.070	--	<1	48	--	--
FEB										
22...	1420	.450	.070	.120	.060	3	8	22	60	.0
MAR										
08...	1415	.330	.050	--	.030	2	2	18	80	--
APR										
05...	1405	.420	.050	.130	.030	2	1	--	50	.0
MAY										
03...	1330	.850	.040	.130	.050	2	4	24	60	--
31...	1420	.520	.060	.140	.060	--	2	30	--	--
JUN										
28...	1415	.680	.060	.120	.010	1	<1	16	20	.0
AUG										
02...	1410	.100	.030	.070	.010	1	<1	20	40	--
SEP										
06...	1400	--	.040	.070	<.010	2	<1	10	20	--

DATE	TIME	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)
NOV									
02...	1445	.000	.000	.000	.000	.000	.00	.00	.0
FEB									
22...	1420	.000	.000	.000	.000	.000	.00	.00	.0
APR									
05...	1405	.000	.000	.000	.000	.000	.00	.00	.0
JUN									
28...	1415	.000	.000	.000	.000	.000	.00	.00	.0

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 southwest of Guy, 10.5 mi upstream from Cove Creek, and at mile 48.3.

DRAINAGE AREA.--169 mi^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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--29 years, 286 ft^3/s, 22.98 in/yr, 207,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,200 ft^3/s Dec. 4, 1982, gage height, 29.29 ft, from rating curve extended above 19,000 ft^3/s; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 4	0215	*24,200	29.29
Dec. 25	1130	6,260	13.85
May 3	1230	11,400	19.10

No flow Aug. 29, 30, Sept. 25-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	2.6	296	591	939	68	103	288	112	67	2.3	.66
2	1.2	5.7	485	503	1110	66	313	2910	89	45	2.4	.42
3	1.1	7.2	13400	440	759	63	396	9080	76	35	181	.40
4	.99	16	14800	332	548	92	321	2050	67	30	20	.40
5	.75	10	2250	292	446	1280	459	1220	58	82	9.5	1.2
6	.62	8.2	1330	261	426	1020	738	877	50	50	6.2	1.7
7	1.2	8.0	940	230	355	790	582	647	44	37	30	2.3
8	1.0	8.0	713	206	302	591	737	520	39	29	19	2.0
9	7.6	7.6	552	225	278	458	673	410	38	23	10	1.7
10	5.0	7.5	503	203	256	369	512	307	34	19	6.6	1.6
11	8.9	7.3	1170	169	227	315	402	296	31	16	5.6	1.0
12	7.7	8.1	1040	138	197	271	334	277	28	14	5.2	.70
13	4.5	7.5	742	124	175	240	337	231	25	12	4.1	.90
14	3.4	7.2	587	119	162	215	791	205	22	12	2.9	.30
15	2.9	7.2	503	107	155	191	578	404	22	12	2.3	.30
16	2.1	7.5	391	94	143	167	446	393	28	11	2.1	.40
17	1.8	7.3	324	90	130	148	359	291	26	9.9	1.8	.50
18	1.7	6.7	287	82	116	133	322	396	22	9.1	1.5	.50
19	1.8	7.6	257	74	108	119	298	1470	19	8.9	1.3	.50
20	2.2	27	212	70	101	113	248	811	19	8.0	1.1	.50
21	2.0	17	182	70	94	119	207	604	16	6.8	.91	.40
22	1.8	13	160	74	88	104	204	742	13	6.1	.79	.40
23	1.7	16	153	74	91	91	1260	538	12	5.1	.52	.10
24	1.5	79	2460	74	95	83	1650	487	12	4.6	.30	.10
25	1.3	54	4670	71	93	78	995	362	12	4.0	.23	.00
26	1.2	48	2020	69	81	78	733	294	20	3.4	.18	.00
27	.94	1110	2090	80	74	104	551	230	25	3.2	.20	.00
28	1.2	2070	2580	89	70	112	440	355	26	2.9	.06	.00
29	3.4	751	1330	89	---	91	375	235	44	2.7	.00	.00
30	3.7	433	952	108	---	84	324	162	161	2.8	.00	.00
31	2.9	---	739	107	---	95	---	130	---	2.8	.56	---
TOTAL	79.40	4765.2	58118	5255	7619	7748	15688	27222	1190	574.3	318.65	18.98
MEAN	2.56	159	1875	170	272	250	523	878	39.7	18.5	10.3	.63
MAX	8.9	2070	14800	591	1110	1280	1650	9080	161	82	181	2.3
MIN	.62	2.6	153	69	70	63	103	130	12	2.7	.00	.00
CFSM	.02	.94	11.1	1.01	1.61	1.48	3.10	5.20	.24	.11	.06	.004
IN.	.02	1.05	12.79	1.16	1.68	1.71	3.45	5.99	.26	.13	.07	.00
AC-FT	157	9450	115300	10420	15110	15370	31120	53990	2360	1140	632	38

CAL YR 1982	TOTAL	124972.60	MEAN 342	MAX 14800	MIN .62	CFSM 2.02	IN 27.51	AC-FT 247900
WTR YR 1983	TOTAL	128596.53	MEAN 352	MAX 14800	MIN .00	CFSM 2.08	IN 28.31	AC-FT 255100

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 upstream from bridge on U.S. Highway 64 at county line near Conway.

DRAINAGE AREA.--752 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
05...	1530	0	9827	9827	.00	7.2	30.0	25.0	30	7.7
NOV										
02...	1610	0	9827	9827	.00	7.0	19.0	18.0	40	9.1
30...	1610	0	9827	9827	45	6.0	20.0	11.0	40	8.9
JAN										
04...	1610	0	9827	9827	2600	5.9	9.0	6.0	20	10.2
FEB										
22...	1545	0	9827	9827	172	6.9	14.0	12.0	25	10.8
MAR										
08...	1525	0	9827	9827	2540	6.6	16.0	14.0	35	8.7
APR										
05...	1530	0	9827	9827	1100	6.3	20.0	17.0	50	9.1
MAY										
03...	1450	0	9827	9827	3400	6.0	19.0	18.0	130	6.9
31...	1535	0	9827	9827	622	6.4	25.0	25.0	50	8.9
JUN										
28...	1600	0	9827	9827	--	6.6	30.0	28.0	45	6.6
AUG										
02...	1530	0	9827	9827	.00	7.0	36.0	34.0	20	10.4
SEP										
06...	1515	0	9827	9827	.00	7.1	35.0	32.0	8.5	6.5

DATE	TIME	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										
05...	1530	92	2.7	12	40	5.0	11	--	--	16
NOV										
02...	1610	96	3.2	--	36	4.0	9.5	86	.12	22
30...	1610	80	2.2	>600	16	6.0	4.5	95	.13	29
JAN										
04...	1610	82	.9	110	14	6.0	4.5	55	.07	8
FEB										
22...	1545	100	2.4	20	14	4.0	5.5	43	.06	18
MAR										
08...	1525	84	2.2	710	14	6.0	4.5	46	.06	21
APR										
05...	1530	94	2.0	600	16	5.0	6.0	52	.07	32
MAY										
03...	1450	--	3.8	>600	--	4.0	3.0	46	.06	99
31...	1535	--	5.9	120	--	3.0	3.5	51	.07	60
JUN										
28...	1600	--	3.9	320	--	<1.0	6.5	57	.08	42
AUG										
02...	1530	--	5.9	120	--	2.0	8.5	70	.10	14
SEP										
06...	1515	--	6.0	48	--	5.0	9.0	87	.12	10

07261250 CADRON CREEK WEST OF CONWAY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT										
05...	1530	.040	.110	.040	.020	<1	1	15	0	--
NOV										
02...	1610	.140	.030	.070	.010	<1	5	<10	10	--
30...	1610	.770	.060	.130	.060	<1	--	<10	330	.0
JAN										
04...	1610	--	.110	.090	.080	<1	<1	<10	--	--
FEB										
22...	1545	.490	.140	.100	.050	<1	10	35	20	--
MAR										
08...	1525	.400	.060	--	.050	<1	7	<10	10	--
APR										
05...	1530	.320	.070	.110	.020	<1	7	--	50	--
MAY										
03...	1450	.280	.090	.260	.060	<1	5	14	30	--
31...	1535	.280	.070	.110	.050	--	1	11	--	--
JUN										
28...	1600	.020	.060	.110	.020	<1	<1	<10	0	--
AUG										
02...	1530	.040	.170	.060	.020	<1	3	10	30	--
SEP										
06...	1515	--	<.010	.060	.010	<1	14	<10	10	--

DATE	TIME	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)
NOV									
30...	1610	.000	.000	.000	.000	.000	.00	.00	.0

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 west of Conway, and at mile 172.0.

DRAINAGE AREA.--156,386 mi^2, of which 22,421 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
05...	1500	0	9827	9827	1700	8.2	30.0	25.0	7.8	9.5
NOV										
02...	1545	0	9827	9827	.00	8.0	19.0	18.0	6.5	8.9
30...	1540	0	9827	9827	7400	7.6	20.0	12.0	30	10.0
JAN										
04...	1345	0	9827	9827	5000	7.2	10.0	7.0	40	11.6
FEB										
22...	1520	0	9827	9827	3900	7.9	14.0	10.0	40	11.8
MAR										
08...	1620	0	9827	9827	0600	7.8	16.0	13.0	45	10.4
APR										
05...	1505	0	9827	9827	4500	7.9	16.0	12.0	35	11.4
MAY										
03...	1425	0	9827	9827	--	7.4	18.0	18.0	85	9.0
31...	1515	0	9827	9827	--	7.6	25.0	23.0	60	8.9
JUN										
28...	1535	0	9827	9827	6300	7.7	30.0	28.0	40	7.6
AUG										
02...	1505	0	9827	9827	4400	8.3	36.0	32.0	5.4	11.8
SEP										
06...	1445	0	9827	9827	4400	8.4	35.0	30.0	8.0	8.9

DATE	TIME	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										
05...	1500	113	2.7	<4	150	62	140	--	--	10
NOV										
02...	1545	94	2.7	--	170	65	140	446	.61	13
30...	1540	92	1.5	930	110	38	86	341	.46	34
JAN										
04...	1345	95	.7	80	24	25	25	143	.19	24
FEB										
22...	1520	104	.7	36	100	32	43	215	.29	30
MAR										
08...	1620	98	1.4	300	100	31	51	216	.29	45
APR										
05...	1505	106	1.6	84	120	48	140	397	.54	34
MAY										
03...	1425	--	2.4	>600	--	31	54	226	.31	110
31...	1515	--	1.7	28	--	47	76	318	.43	54
JUN										
28...	1535	--	1.5	210	--	45	69	311	.42	38
AUG										
02...	1505	--	4.6	--	--	73	160	502	.68	16
SEP										
06...	1445	--	4.3	4	--	76	170	485	.66	16

07261260 ARKANSAS RIVER AT TOAD SUCK FERRY DAM, NEAR CONWAY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT										
05...	1500	.070	.080	.050	.010	2	3	40	50	--
NOV										
02...	1545	.110	.070	.070	.020	4	2	18	50	--
30...	1540	.310	.060	.110	.020	2	--	30	100	.0
JAN										
04...	1345	--	.100	.120	.080	4	<1	12	--	--
FEB										
22...	1520	.450	.070	.110	.060	4	12	37	60	--
MAR										
08...	1620	.360	.060	--	.030	1	5	18	60	.0
APR										
05...	1505	.420	.040	.130	.030	2	2	--	40	.0
MAY										
03...	1425	.780	.050	.180	.080	2	5	25	60	--
31...	1515	.530	.060	.130	.060	--	1	24	--	--
JUN										
28...	1535	.700	.040	.120	.010	4	<1	16	40	.0
AUG										
02...	1505	.030	.030	.080	.010	6	2	28	60	--
SEP										
06...	1445	--	.040	.070	<.010	3	1	15	20	--

DATE	TIME	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)
NOV									
30...	1540	.000	.000	.000	.000	.000	.00	.00	.0
MAR									
08...	1620	.000	.000	.000	.000	.000	.00	.00	.0
APR									
05...	1505	.000	.000	.000	.000	.000	.00	.00	.0
JUN									
28...	1535	.000	.000	.000	.000	.000	.00	.00	.0

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 downstream from Garner Creek, 1.9 mi east of Gravelly, 6.4 mi upstream from Gaffords Creek, and at mile 103.7.

DRAINAGE AREA.--410 mi^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 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 except those for periods of no gage-height record, Jan. 25 to Mar. 1 and Apr. 22 to May 24, which are fair.

AVERAGE DISCHARGE.--44 years, 530 ft^3/s, 17.55 in/yr, 384,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft^3/s Dec. 3, 1982, gage height, 32.45 ft, from floodmarks, from rating curve extended above 47,000 ft^3/s on basis of contracted-opening and flow-over-road measurement of peak flow; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 10,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec. 3	unknown	*162,000	[b]32.45
Mar. 5	0100	14,600	18.10

b from floodmarks.

Minimum discharge, 0.10 ft^3/s Oct. 5-6, gage height, 0.52 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.25	.30	1300	735	2800	370	152	1700	325	410	51	9.2
2	.23	1.5	3660	637	1500	331	340	1600	273	1700	45	11
3	.20	2.5	67000	629	1100	292	819	7200	228	1880	35	10
4	.18	3.2	11400	540	940	842	641	2500	198	1300	34	9.5
5	.15	2.8	2530	480	820	5050	540	1700	184	1500	31	7.2
6	.18	3.5	1500	430	720	2050	564	1170	510	1600	26	4.1
7	.25	3.5	1050	370	630	1320	517	820	600	971	23	3.2
8	.28	4.4	800	340	550	958	457	680	405	630	22	3.0
9	.28	5.4	637	310	500	748	406	560	299	463	19	2.2
10	.28	6.0	553	280	440	612	361	470	229	359	17	1.5
11	.28	7.4	1590	250	390	518	321	690	185	284	16	1.2
12	.28	9.1	2340	230	350	449	288	1050	155	226	16	1.0
13	.28	7.5	1440	210	315	398	1030	850	129	183	21	.92
14	.25	6.5	1060	190	290	357	4980	2200	110	157	28	.78
15	.25	5.0	846	178	260	317	1730	11000	94	166	22	.70
16	.23	4.0	675	162	235	283	1130	3300	83	145	17	.58
17	.20	4.5	550	152	218	252	844	1800	74	121	15	.58
18	.20	5.0	473	147	200	223	673	2200	66	353	15	.55
19	.18	4.0	414	135	180	201	567	3100	56	405	19	.60
20	.20	3.5	358	130	170	193	593	1500	869	239	19	.68
21	.20	3.0	312	126	220	184	577	1400	48	174	16	.78
22	.15	3.8	278	123	1270	167	510	1450	42	129	13	.78
23	.13	218	258	117	1000	152	2400	1000	43	103	10	.83
24	.13	510	404	112	820	141	1550	750	42	86	9.0	.78
25	.08	350	1190	110	670	130	1100	618	40	72	8.1	.67
26	.08	1100	972	170	570	132	780	497	39	62	7.7	.67
27	.08	5000	1510	230	480	139	680	492	38	54	7.4	.57
28	.13	17000	3140	210	400	156	525	577	72	47	5.7	.45
29	.30	13500	1650	200	---	155	460	605	910	40	4.5	.39
30	.28	1900	1160	207	---	148	720	479	560	36	4.8	.37
31	.30	---	901	225	---	146	---	386	---	40	5.5	---
TOTAL	6.49	39674.40	111951	8365	18038	17414	26255	54344	6906	13935	582.7	74.78
MEAN	.21	1322	3611	270	644	562	875	1753	230	450	18.8	2.49
MAX	.30	17000	67000	735	2800	5050	4980	11000	910	1880	51	11
MIN	.08	.30	258	110	170	130	152	386	38	36	4.5	.37
CFSM	.001	3.22	8.81	.66	1.57	1.37	2.13	4.28	.56	1.10	.05	.006
IN.	.00	3.60	10.16	.76	1.64	1.58	2.38	4.93	.63	1.26	.05	.01
AC-FT	13	78690	222100	16590	35780	34540	52080	107800	13700	27640	1160	148

CAL YR 1982	TOTAL	317242.80	MEAN 869	MAX 67000	MIN .08	CFSM 2.12	IN 28.78	AC-FT 629300		
WTR YR 1983	TOTAL	297546.37	MEAN 815	MAX 67000	MIN .08	CFSM 1.99	IN 27.00	AC-FT 590200		

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT										
12...	1215	0	9827	9827	--	.28	6.9	23.0	20.0	5.6
NOV										
09...	1630	0	9827	9827	--	5.4	6.7	--	--	5.0
30...	1030	0	9827	9827	3500	--	6.3	21.0	11.0	20
JAN										
11...	1010	0	9827	9827	250	--	6.5	20.0	8.0	8.5
FEB										
08...	1547	0	9827	9827	550	--	6.6	9.0	5.0	10
MAR										
15...	1315	0	9827	9827	--	315	6.3	30.0	11.0	7.5
JUN										
21...	1031	0	9827	9827	48	--	6.7	32.0	29.0	5.4
SEP										
13...	1025	0	9827	9827	.89	--	6.9	29.0	27.0	5.0

DATE	TIME	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)	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										
12...	1215	6.8	78	1.7	32	16	3.0	6.0	42	.06
NOV										
09...	1630	8.0	--	--	14	20	7.0	4.5	41	.06
30...	1030	10.3	93	1.4	420	22	<1.0	4.0	70	.10
JAN										
11...	1010	12.0	101	--	28	16	3.0	4.0	31	.04
FEB										
08...	1547	12.7	99	1.4	32	8	8.0	4.5	39	.05
MAR										
15...	1315	10.8	--	1.0	12	12	3.0	4.5	29	.04
JUN										
21...	1031	7.4	--	1.4	44	--	7.0	4.5	41	.06
SEP										
13...	1025	--	--	1.3	14	--	6.0	4.5	39	.05

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT										
12...	1215	4	--	.030	.020	--	<1	<1	12	20
NOV										
09...	1630	2	.030	.040	.030	.010	--	<1	<10	20
30...	1030	8	--	.020	.050	<.010	<1	1	14	20
JAN										
11...	1010	1	.200	.020	.010	.020	<1	<1	<10	20
FEB										
08...	1547	2	.190	--	.040	.020	<1	7	21	30
MAR										
15...	1315	<1	--	.070	.010	<.010	<1	<1	<10	10
JUN										
21...	1031	4	.040	<.010	--	<.010	<1	<1	60	40
SEP										
13...	1025	3	.010	.050	.020	.010	<1	--	14	30

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)
NOV										
30...	1030	.0	.000	.000	.000	.000	.000	.00	.00	.0

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 west of Nimrod, 10.2 mi upstream from South Fourche LaFave River, and at mile 62.6.

DRAINAGE AREA.--680 mi^2.

PERIOD OF RECORD.--October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)
OCT							
15...	0930	0	80513	80513	.00	28.0	44
15...	0935	0	80513	80513	10.0	28.0	44
15...	0940	0	80513	80513	20.0	28.0	44
15...	0945	0	80513	80513	28.0	28.0	44

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT						
15...	0930	6.4	20.5	20.0	.50	7.7
15...	0935	6.6	20.5	--	--	7.6
15...	0940	6.6	20.5	--	--	7.7
15...	0945	6.3	20.5	--	--	7.7

DATE	TIME	MEDIUM	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)
NOV								
16...	0930	0	80513	80513	.00	32.0	43	7.4
16...	0935	0	80513	80513	10.0	32.0	43	7.3
16...	0940	0	80513	80513	20.0	32.0	43	7.3
16...	0945	0	80513	80513	30.0	32.0	43	7.3
16...	0950	0	80513	80513	32.0	32.0	43	7.3

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
16...	0930	11.0	19.0	.50	9.9	90	760
16...	0935	11.5	--	--	9.9	--	--
16...	0940	11.5	--	--	9.9	--	--
16...	0945	11.5	--	--	9.9	--	--
16...	0950	11.5	--	--	9.9	--	--

DATE	TIME	MEDIUM	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)
DEC										
06...	1000	0	80513	80513	.00	58.0	26	6.0	10.5	15.0
06...	1001	0	80513	80010	3.00	58.0	--	--	--	--
06...	1002	0	80513	80513	10.0	58.0	26	6.0	--	15.0
06...	1005	0	80513	80010	12.0	58.0	26	5.8	--	15.0
06...	1006	0	80513	80513	20.0	58.0	26	6.0	--	15.0
06...	1008	0	80513	80513	30.0	58.0	26	6.0	--	15.0
06...	1010	0	80513	80010	46.0	58.0	37	6.2	--	12.5
06...	1012	0	80513	80513	42.0	58.0	30	6.1	--	14.0
06...	1014	0	80513	80513	44.0	58.0	36	6.1	--	13.0
06...	1015	0	80513	80010	46.0	58.0	37	6.2	--	12.5
06...	1016	0	80513	80513	50.0	58.0	38	6.2	--	12.0
06...	1020	0	80513	80513	58.0	58.0	38	6.2	--	12.0

07262000 NIMROD LAKE NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC									
06...	1000	6.0	.20	7.1	71	760	--	--	--
06...	1002	--	--	7.0	--	--	--	--	--
06...	1005	--	--	7.0	--	--	200	70	2.0
06...	1006	--	--	7.0	--	--	--	--	--
06...	1008	--	--	7.0	--	--	--	--	--
06...	1010	--	--	8.2	--	--	150	--	1.8
06...	1012	--	--	7.4	--	--	--	--	--
06...	1014	--	--	7.9	--	--	--	--	--
06...	1015	--	--	8.2	--	--	--	40	--
06...	1016	--	--	8.3	--	--	--	--	--
06...	1020	--	--	8.1	--	--	--	--	--

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
DEC									
06...	1000	K590	--	--	--	--	--	--	--
06...	1005	--	6	0	0	1.2	3.0	.70	6
06...	1010	--	7	0	0	1.3	3.0	.90	7

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
DEC									
06...	1005	3.0	1.5	.200	.200	.140	.36	.50	.70
06...	1010	3.0	2.5	.200	.200	.120	.28	.40	.60

DATE	TIME	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
06...	1001	--	--	--	--	--	--	.200	<.100
06...	1005	3.1	.100	.31	.070	1800	160	--	--
06...	1010	2.7	.060	.18	.040	1200	120	--	--

DATE	TIME	MEDIUM	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)
JAN								
31...	0940	0	80513	80513	.00	34.0	38	6.4
31...	0945	0	80513	80513	10.0	34.0	38	6.3
31...	0950	0	80513	80513	20.0	34.0	39	6.3
31...	0955	0	80513	80513	30.0	34.0	39	6.2
31...	1000	0	80513	80513	34.0	34.0	39	6.2

07262000 NIMROD LAKE NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
31...	0940	5.0	30.0	.80	11.0	87	752
31...	0945	5.0	--	--	11.0	--	--
31...	0950	5.0	--	--	11.0	--	--
31...	0955	5.0	--	--	11.0	--	--
31...	1000	5.0	--	--	11.0	--	--

DATE	TIME	MEDIUM	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)
FEB								
18...	0900	0	80513	80513	.00	27.0	35	6.5
18...	0905	0	80513	80513	10.0	27.0	35	6.5
18...	0910	0	80513	80513	20.0	27.0	35	6.8
18...	0915	0	80513	80513	27.0	27.0	35	6.8

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
FEB							
18...	0900	7.0	14.4	.40	10.0	83	759
18...	0905	6.5	--	--	10.0	--	--
18...	0910	6.5	--	--	10.0	--	--
18...	0915	6.0	--	--	10.0	--	--

DATE	TIME	MEDIUM	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)
MAR								
25...	1120	0	80513	80513	.00	27.0	39	7.0
25...	1125	0	80513	80513	10.0	27.0	40	6.9
25...	1130	0	80513	80513	20.0	27.0	40	6.9
25...	1135	0	80513	80513	27.0	27.0	40	6.9

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
25...	1120	11.0	12.0	.30	9.7	89	754
25...	1125	10.5	--	--	9.7	--	--
25...	1130	10.5	--	--	9.6	--	--
25...	1135	10.5	--	--	9.6	--	--

DATE	TIME	MEDIUM	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)
APR								
18...	1045	9	80513	80513	.00	28.0	30	7.9
18...	1050	9	80513	80513	10.0	28.0	30	7.9
18...	1055	9	80513	80513	20.0	28.0	30	7.9
18...	1100	9	80513	80513	28.0	28.0	30	7.9

07262000 NIMROD LAKE NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR							
18...	1045	14.0	15.6	.40	9.2	90	753
18...	1050	14.0	--	--	9.0	--	--
18...	1055	14.0	--	--	9.0	--	--
18...	1100	14.0	--	--	9.0	--	--

DATE	TIME	MEDIUM	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)
MAY										
16...	0935	9	80513	80513	.00	40.0	29	6.4	17.5	20.5
16...	0936	9	80513	80010	3.00	40.0	--	--	--	--
16...	0940	9	80513	80010	8.00	40.0	29	6.4	--	20.0
16...	0942	9	80513	80513	10.0	40.0	29	6.3	--	20.0
16...	0944	9	80513	80513	20.0	40.0	30	6.1	--	19.0
16...	0946	9	80513	80513	25.0	40.0	31	6.0	--	18.0
16...	0948	9	80513	80513	30.0	40.0	31	6.0	--	17.5
16...	0950	9	80513	80010	32.0	40.0	31	6.0	--	17.5
16...	0955	9	80513	80513	40.0	40.0	33	6.0	--	17.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
MAY									
16...	0935	28.8	.70	7.5	84	756	--	--	--
16...	0940	--	--	7.3	--	--	30	16	1.5
16...	0942	--	--	7.3	--	--	--	--	--
16...	0944	--	--	5.1	--	--	--	--	--
16...	0946	--	--	3.9	--	--	--	--	--
16...	0948	--	--	3.6	--	--	--	--	--
16...	0950	--	--	3.5	--	--	45	20	1.7
16...	0955	--	--	3.0	--	--	--	--	--

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
MAY									
16...	0935	8	--	--	--	--	--	--	--
16...	0940	--	8	1	1	1.8	4.0	.80	7
16...	0950	--	8	0	0	1.4	4.0	1.0	8

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
MAY									
16...	0940	<5.0	.10	--	<.100	.120	.18	.30	--
16...	0950	<5.0	.50	.100	.100	.150	.15	.30	.40

07262000 NIMROD LAKE NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY									
16...	0936	--	.030	.09	<.010	--	--	2.30	<.100
16...	0940	--	.030	.09	.010	660	40	--	--
16...	0950	1.8	.040	.12	.020	1300	190	--	--

DATE	TIME	MEDIUM	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)
JUN								
09...	0930	9	80513	80513	.00	36.0	38	7.0
09...	0932	9	80513	80513	5.00	36.0	38	6.6
09...	0934	9	80513	80513	10.0	36.0	40	6.4
09...	0936	9	80513	80513	20.0	36.0	46	6.1
09...	0938	9	80513	80513	30.0	36.0	58	6.2
09...	0940	9	80513	80513	36.0	36.0	60	6.3

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUN							
09...	0930	24.0	30.0	.80	8.0	96	754
09...	0932	23.0	--	--	6.3	--	--
09...	0934	22.5	--	--	4.7	--	--
09...	0936	21.5	--	--	.5	--	--
09...	0938	20.5	--	--	.0	--	--
09...	0940	19.5	--	--	.0	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JUL										
22...	0925	9	80513	80513	.00	38.0	34	6.8	30.5	30.0
22...	0926	9	80513	80010	4.00	38.0	34	6.5	29.5	--
22...	0928	9	80513	80513	7.00	38.0	34	6.1	28.5	--
22...	0930	9	80513	80513	10.0	38.0	34	6.0	27.5	--
22...	0932	9	80513	80513	12.0	38.0	34	5.9	26.5	--
22...	0934	9	80513	80513	17.0	38.0	42	6.1	25.5	--
22...	0936	9	80513	80513	20.0	38.0	48	6.2	25.0	--
22...	0938	9	80513	80513	30.0	38.0	55	6.3	24.0	--
22...	0940	9	80513	80513	38.0	38.0	82	6.7	23.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
22...	0925	.80	6.0	80	761	--	--	--	--	--
22...	0926	--	5.9	--	--	.040	.12	<.010	4.60	<.100
22...	0928	--	3.0	--	--	--	--	--	--	--
22...	0930	--	1.9	--	--	--	--	--	--	--
22...	0932	--	.7	--	--	--	--	--	--	--
22...	0934	--	.1	--	--	--	--	--	--	--
22...	0936	--	.0	--	--	--	--	--	--	--
22...	0938	--	.0	--	--	--	--	--	--	--
22...	0940	--	.0	--	--	--	--	--	--	--

07262000 NIMROD LAKE NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
AUG											
15...	0920	9	80513	80513	.00	34.0	40	6.6	25.5	28.0	27.6
15...	0921	9	80513	80010	3.00	34.0	--	--	--	--	--
15...	0925	9	80513	80010	7.00	34.0	40	6.7	--	28.0	--
15...	0926	9	80513	80513	10.0	34.0	40	6.6	--	28.0	--
15...	0928	9	80513	80513	15.0	34.0	60	6.4	--	27.0	--
15...	0929	9	80513	80513	20.0	34.0	69	6.4	--	26.0	--
15...	0930	9	80513	80010	27.0	34.0	77	6.4	--	25.0	--
15...	0932	9	80513	80513	30.0	34.0	78	6.4	--	24.5	--
15...	0935	9	80513	80513	34.0	34.0	82	6.4	--	23.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)
AUG											
15...	0920	.70	2.8	36	758	--	--	--	0	--	--
15...	0925	--	2.8	--	--	10	5.0	1.1	--	11	0
15...	0926	--	2.9	--	--	--	--	--	--	--	--
15...	0928	--	.0	--	--	--	--	--	--	--	--
15...	0929	--	.0	--	--	--	--	--	--	--	--
15...	0930	--	.0	--	--	90	22	.8	--	16	0
15...	0932	--	.0	--	--	--	--	--	--	--	--
15...	0935	--	.0	--	--	--	--	--	--	--	--

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	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)
AUG										
15...	0925	0	2.4	6.0	1.3	13	2.0	1.0	<.100	.070
15...	0930	0	3.5	9.0	1.8	24	3.0	.00	<.100	.590

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG										
15...	0921	--	--	--	--	--	--	--	5.90	1.10
15...	0925	.43	.50	.040	.12	.020	700	540	--	--
15...	0930	.41	1.0	.100	.31	.090	8500	2700	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
SEP										
14...	1115	9	80513	80513	.00	30.0	44	6.2	27.0	45.6
14...	1116	9	80513	80010	3.00	30.0	44	6.3	27.0	--
14...	1118	9	80513	80513	20.0	30.0	54	6.3	26.5	--
14...	1120	9	80513	80513	30.0	30.0	82	6.5	26.0	--

07262000 NIMROD LAKE NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	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)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
SEP										
14...	1115	1.20	1.2	15	760	--	--	--	--	--
14...	1116	--	1.0	--	--	.030	.09	<.010	2.20	<.100
14...	1118	--	.1	--	--	--	--	--	--	--
14...	1120	--	.0	--	--	--	--	--	--	--

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 downstream from Nimrod Dam, 4.5 mi southwest of Nimrod, 9.8 mi upstream from South Fourche LaFave River, and at mile 62.2.

DRAINAGE AREA.--684 mi^2.

PERIOD OF RECORD.--October 1957 to September 1960, October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 15...	0910	0	80513	80513	5.0	45	6.3	18.0	8.2

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV 16...	0830	0	80513	80513	5.0	47	7.2	8.0	10.4

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC 06...	0930	0	80513	80010	165	24	6.0	11.0	14.5	10.0

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
DEC 06...	0930	98	760	200	80	2.4	K650	6	0	0

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC 06...	0930	1.3	3.0	.70	10	3.0	2.0	.200	.200	.140

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
DEC 06...	0930	.66	.80	1.0	4.4	.100	.31	.060	2800	210

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
JAN 31...	0920	0	80513	80513	220	39	6.5	5.0	12.1

07262500 FOURCHE LAFAVE RIVER NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
FEB 18...	0830	0	80513	80513	360	36	6.4	6.0	12.0

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
MAR 25...	1140	0	80513	80513	220	40	7.0	11.0	9.4

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
APR 18...	0930	9	80513	80513	3110	28	7.8	14.0	10.0

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY 16...	0900	9	80513	80010	11	35	7.0	16.0	16.5	7.8

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
MAY 16...	0900	80	757	45	23	2.1	17	8	0	0

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
MAY 16...	0900	1.6	4.0	.90	11	<5.0	.50	.200	.200	.210

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
MAY 16...	0900	.09	.30	.50	2.2	.050	.15	.030	1100	230

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 09...	0900	9	80513	80513	514	46	6.5	21.5	7.2

07262500 FOURCHE LAFAVE RIVER NEAR NIMROD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL 22...	0900	9	80513	80513	506	44	6.4	25.0	6.6

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG 15...	0850	9	80513	80010	32	56	6.6	26.0	24.0	6.0

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (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)
AUG 15...	0850	72	758	140	30	1.2	7	16	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
AUG 15...	0850	0	3.5	9.0	1.7	25	3.0	1.0	<.100

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)
AUG 15...	0850	.560	.34	.90	.110	.34	.090	8400	2700

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 14...	1100	9	80513	80513	8.0	54	6.2	25.0	6.8

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 upstream from Big Cove Creek, 2.1 mi downstream from Cedar Creek, 4.0 mi northeast of Hollis, and at mile 5.6.

DRAINAGE AREA.--210 mi^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 National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark).

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years, 293 ft^3/s, 18.95 in/yr, 212,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 94,000 ft^3/s Dec. 3, 1982, gage height, 24.55 ft, from rating curve extended above 35,000 ft^3/s on basis of slope-area measurements at gage heights 18.51 ft and 19.47 ft; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 9,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 27	1630	10,700	10.57	Apr. 23	1230	9,180	10.03
Dec. 3	0330	*94,000	24.55	May 2	2300	17,400	12.64

No flow Sept. 14-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	2.3	340	341	2370	150	69	151	59	187	5.9	.21
2	.93	42	2420	299	1160	134	226	2680	51	131	5.4	.21
3	.77	82	58100	288	627	118	219	7150	45	434	4.9	.19
4	.74	71	2890	248	430	810	161	1800	41	174	4.0	.19
5	.74	42	1280	215	355	2450	176	919	36	1900	3.9	.15
6	.75	31	1380	193	332	934	190	404	33	629	3.8	.10
7	.86	24	1600	176	326	506	192	308	31	216	3.6	.10
8	1.0	19	1430	163	303	342	179	264	27	111	3.2	.08
9	2.3	16	1120	158	270	253	164	197	24	72	2.9	.07
10	2.4	13	982	148	250	203	144	156	22	55	3.1	.05
11	2.3	11	2170	137	226	169	126	137	20	44	2.9	.04
12	1.9	11	1300	123	194	143	112	121	18	37	2.7	.03
13	1.8	10	687	112	172	128	462	104	16	85	2.5	.02
14	1.6	8.9	486	105	158	111	2090	331	15	48	2.1	.00
15	1.5	8.1	386	96	148	98	562	3630	13	34	1.8	.00
16	1.4	7.2	302	89	138	87	341	1070	12	28	1.6	.00
17	1.2	7.2	245	85	128	79	247	521	10	24	1.4	.00
18	1.2	7.3	212	82	116	73	199	814	9.7	22	1.2	.00
19	1.0	7.0	191	78	106	66	166	1270	9.0	20	1.1	.00
20	1.3	11	166	75	97	67	172	553	8.3	17	.96	.00
21	1.2	19	148	76	108	62	198	421	7.5	15	.85	.00
22	1.2	16	136	76	878	56	163	632	7.0	13	.72	.00
23	1.2	15	142	76	658	52	5240	383	6.0	11	.55	.00
24	1.2	17	880	73	415	48	2050	261	5.5	10	.47	.00
25	.99	14	2420	71	318	45	771	191	6.3	8.9	.39	.00
26	.90	141	1630	73	243	45	442	149	7.0	8.1	.36	.00
27	.90	7560	2120	162	198	52	305	119	7.9	7.9	.33	.00
28	1.0	3380	2110	236	171	53	234	96	7.6	7.2	.27	.00
29	2.4	1570	887	207	---	52	193	81	2160	6.6	.24	.00
30	3.7	705	551	196	---	50	168	73	735	6.7	.20	.00
31	2.9	---	431	199	---	53	---	66	---	6.7	.20	---
TOTAL	44.28	13868.0	89142	4656	10895	7489	15961	25052	3449.8	4369.1	63.54	1.44
MEAN	1.43	462	2876	150	389	242	532	808	115	141	2.05	.048
MAX	3.7	7560	58100	341	2370	2450	5240	7150	2160	1900	5.9	.21
MIN	.74	2.3	136	71	97	45	69	66	5.5	6.6	.20	.00
CFSM	.007	2.20	13.7	.71	1.85	1.15	2.53	3.85	.55	.67	.01	.000
IN.	.01	2.46	15.79	.82	1.93	1.33	2.83	4.44	.61	.77	.01	.00
AC-FT	88	27510	176800	9240	21610	14850	31660	49690	6840	8670	126	2.9

CAL YR 1982 TOTAL 180692.68 MEAN 495 MAX 58100 MIN .74 CFSM 2.36 IN 32.01 AC-FT 358400
WTR YR 1983 TOTAL 174991.16 MEAN 479 MAX 58100 MIN .00 CFSM 2.28 IN 31.00 AC-FT 347100

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 southwest of Bigelow, and at mile 5.1.

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
05...	1435	0	9827	9827	7.4	30.0	25.0	40	9.4	112
NOV										
02...	1515	0	9827	9827	7.0	19.0	18.0	40	8.0	84
30...	1515	0	9827	9827	6.1	20.0	11.0	50	9.7	87
JAN										
04...	1515	0	9827	9827	6.2	11.0	9.0	40	10.7	92
FEB										
22...	1500	0	9827	9827	6.8	15.0	10.0	25	10.9	96
MAR										
08...	1445	0	9827	9827	6.6	14.0	13.0	40	9.2	87
APR										
05...	1435	0	9827	9827	6.4	17.0	13.0	25	9.4	89
MAY										
03...	1400	0	9827	9827	6.3	18.0	17.0	35	7.2	--
31...	1450	0	9827	9827	6.5	25.0	22.0	25	7.7	--
JUN										
28...	1450	0	9827	9827	6.5	29.0	27.0	40	3.0	--
AUG										
02...	1445	0	9827	9827	6.5	36.0	32.0	50	4.6	--
SEP										
06...	1425	0	9827	9827	6.8	35.0	30.0	65	3.4	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT										
05...	1435	3.9	44	40	4.0	11	--	--	16	.060
NOV										
02...	1515	2.2	--	24	3.0	8.5	77	.10	20	.020
30...	1515	1.9	480	20	7.0	4.0	81	.11	63	.300
JAN										
04...	1515	.7	12	12	6.0	4.5	56	.08	17	--
FEB										
22...	1500	.8	28	12	5.0	3.5	43	.06	12	.130
MAR										
08...	1445	1.8	380	16	5.0	4.5	44	.06	22	.170
APR										
05...	1435	1.6	170	14	5.0	6.0	45	.06	16	.080
MAY										
03...	1400	2.2	>600	--	5.0	3.5	51	.07	34	.100
31...	1450	1.8	36	--	3.0	3.0	49	.07	26	.080
JUN										
28...	1450	1.7	20	--	5.0	6.0	76	.10	23	.120
AUG										
02...	1445	1.5	52	--	2.0	6.0	72	.10	29	.190
SEP										
06...	1425	2.5	56	--	6.0	4.5	108	.15	22	--

07263150 FOURCHE LAFAVE RIVER NEAR BIGELOW, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT									
05...	1435	.100	.060	.030	2	2	15	50	--
NOV									
02...	1515	.020	.080	.010	1	<1	15	30	.0
30...	1515	.020	.130	.040	1	--	20	50	--
JAN									
04...	1515	.080	.100	.040	3	<1	21	--	--
FEB									
22...	1500	.030	.060	.050	4	<1	22	40	--
MAR									
08...	1445	.050	--	.050	7	<1	12	90	--
APR									
05...	1435	.010	.090	.010	2	<1	--	20	--
MAY									
03...	1400	.070	.100	.030	1	2	20	40	--
31...	1450	.050	.050	.030	--	<1	18	--	--
JUN									
28...	1450	.130	.090	.020	1	<1	19	40	--
AUG									
02...	1445	.100	.080	.020	1	<1	15	40	--
SEP									
06...	1425	.120	.110	.030	3	2	11	30	--

DATE	TIME	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)
NOV									
02...	1515	.000	.000	.000	.000	.000	.00	.00	.0

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.

DRAINAGE AREA.--158,030 mi^2, of which 22,241 mi^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 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 downstream at datum 223.61 ft higher. Sept. 20, 1968, to May 9, 1979, auxiliary water-stage recorder 5.5 mi 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.--56 years, 40,290 ft^3/s, 29,190,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 536,000 ft^3/s May 27, 1943, gage height, 30.05 ft, site and datum then in use; minimum daily, 14 ft^3/s Oct. 25, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1833 reached a stage of 34.6 ft former site and datum. Flood of Apr. 20, 1927, reached a stage of 33.0 ft, former site and datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 290,000 ft^3/s Dec. 4, tailwater elevation, 253.12 ft; minimum daily, 340 ft^3/s Oct. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1820	1760	35300	76400	45400	46400	47900	132000	110000	50300	13800	6700
2	1920	2420	40800	68900	80500	46800	59300	135000	103000	47400	15900	9090
3	1430	1690	147000	62800	102000	48000	81300	162000	99600	38700	20500	4310
4	919	2960	271000	55900	108000	47900	79400	169000	99400	48600	13100	2630
5	1550	4350	263000	44900	95000	59100	76500	161000	85800	51500	14700	2650
6	1860	1150	182000	41200	73500	85700	89600	157000	64500	52300	5310	4080
7	1790	901	144000	29800	61700	94500	96500	146000	53900	44400	1600	7360
8	4980	903	114000	20400	53100	77100	108000	137000	59900	44000	8830	6440
9	8240	832	90500	24600	51300	59700	117000	120000	59400	39300	19500	8030
10	5230	926	85200	26400	52900	69100	119000	109000	51000	46300	10400	5960
11	5180	1780	81500	23600	58600	69500	115000	90000	47400	44800	12600	1790
12	4760	5550	72700	33400	52000	70200	108000	81200	48200	43700	14200	5550
13	1550	719	67900	23200	50100	59600	110000	74400	48800	38600	7760	2900
14	538	794	63900	26700	53300	54200	138000	82100	43200	41100	4490	1810
15	598	1660	66300	29900	47000	50200	140000	113000	42100	28600	5630	982
16	418	3920	40900	26800	46900	52100	129000	143000	41800	22700	10100	1040
17	340	3420	27900	26200	46800	49300	129000	154000	43700	17300	18300	1550
18	422	1700	25600	30100	46800	44200	124000	146000	43400	14900	6780	2280
19	439	2000	32100	32000	46500	40700	112000	149000	38500	20100	4020	2060
20	408	1720	29200	22200	46500	20300	100000	154000	38700	19800	3530	1880
21	397	770	32500	25500	46400	34000	85100	155000	38600	20500	3600	1030
22	3210	708	28200	21300	46600	27700	79400	156000	34700	14100	3420	981
23	1780	14500	32500	21700	52500	6500	95100	154000	39400	10600	6620	2670
24	470	11600	49700	22900	54200	12900	117000	150000	38800	12200	8800	1870
25	470	8470	91300	11200	54600	26300	133000	143000	25900	13100	9700	1830
26	473	8320	87800	18300	62200	20100	138000	140000	29800	14200	13000	1730
27	457	27900	80500	11200	63300	36600	134000	134000	34800	14300	1580	1740
28	4890	66800	90200	18400	56000	23500	124000	130000	32000	19500	3970	1730
29	2150	64900	98200	13500	---	24700	121000	136000	35000	13500	9300	1540
30	455	24400	82000	17800	---	14300	124000	136000	46900	6680	8400	960
31	370	---	75700	11800	---	32700	---	122000	---	8450	8360	---
TOTAL	59514	269523	2629400	919000	1653700	1403900	3230100	4170700	1578200	901530	287800	95173
MEAN	1920	8984	84820	29650	59060	45290	107700	134500	52610	29080	9284	3172
MAX	8240	66800	271000	76400	108000	94500	140000	169000	110000	52300	20500	9090
MIN	340	708	25600	11200	45400	6500	47900	74400	25900	6680	1580	960
AC-FT	118000	534600	5215000	1823000	3280000	2785000	6407000	8273000	3130000	1788000	570900	188800

CAL YR 1982 TOTAL 16723136 MEAN 45820 MAX 271000 MIN 340 AC-FT 33170000
WTR YR 1983 TOTAL 17198540 MEAN 47120 MAX 271000 MIN 340 AC-FT 34110000

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT										
05...	1330	0	9827	9827	--	1790	8.3	27.0	25.0	6.2
NOV										
16...	1445	0	9827	9827	--	5490	8.2	13.0	13.0	5.0
DEC										
07...	1340	0	9827	9827	144000	--	6.7	13.0	14.0	150
JAN										
04...	1400	0	9827	9827	55900	--	7.0	9.0	8.0	40
FEB										
08...	1420	0	9827	9827	--	53200	7.6	10.0	11.0	30
MAR										
08...	1445	0	9827	9827	--	80200	7.9	16.0	13.0	40
APR										
05...	1110	0	9827	9827	--	72700	7.8	15.0	12.0	35
MAY										
10...	1640	0	9827	9827	--	110000	7.6	23.0	20.0	50
31...	1510	0	9827	9827	--	120000	7.6	23.0	23.0	55
JUL										
12...	1400	0	9827	9827	--	44500	7.7	42.0	32.0	25
AUG										
02...	1550	0	9827	9827	--	2790	7.8	33.0	32.0	6.2
SEP										
06...	1320	0	9827	9827	--	3300	8.4	32.0	30.0	7.5

DATE	TIME	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)
OCT										
05...	1330	8.2	98	15	1.3	<4	150	65	--	--
NOV										
16...	1445	9.9	93	16	1.3	20	160	59	140	437
DEC										
07...	1340	7.1	68	26	1.5	390	34	11	14	116
JAN										
04...	1400	11.9	100	17	.8	94	56	24	--	140
FEB										
08...	1420	12.9	116	12	1.3	40	92	30	54	223
MAR										
08...	1445	10.7	101	--	2.2	310	96	33	53	210
APR										
05...	1110	11.0	102	17	1.5	--	130	46	120	363
MAY										
10...	1640	8.9	--	18	1.3	12	--	29	32	194
31...	1510	8.7	--	17	1.9	8	--	--	67	276
JUL										
12...	1400	8.7	--	17	24	<4	--	54	100	356
AUG										
02...	1550	10.1	--	16	2.9	8	--	72	160	484
SEP										
06...	1320	8.0	--	--	2.6	4	--	77	180	513

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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										
05...	1330	--	12	.020	.060	.74	.80	.82	3.6	.060
NOV										
16...	1445	.59	8	--	.080	.32	.40	--	--	.070
DEC										
07...	1340	.16	158	--	.050	.65	.70	--	--	.220
JAN										
04...	1400	.19	24	--	.100	.80	.90	--	--	.120
FEB										
08...	1420	.30	24	.340	.070	.03	.10	.44	1.9	.110
MAR										
08...	1445	.29	32	.330	.030	.77	.80	1.1	5.0	--
APR										
05...	1110	.49	33	.410	.020	.88	.90	1.3	5.8	.120
MAY										
10...	1640	.26	44	.680	.060	.54	.60	1.3	5.7	.140
31...	1510	.38	52	.570	.060	1.3	1.4	2.0	8.7	.160
JUL										
12...	1400	.48	30	.330	<.010	--	1.1	1.4	6.3	.110
AUG										
02...	1550	.66	16	.030	.040	--	--	--	--	.060
SEP										
06...	1320	.70	14	.050	.010	7.5	7.5	7.6	33	.070

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L A' 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)	PCB, TOTAL (UG/L) (39516)
OCT									
05...	1330	.020	<5	--	5	25	<5	40	--
NOV									
16...	1445	--	--	<1	--	23	--	30	.0
DEC									
07...	1340	.060	--	<1	8	23	--	60	--
JAN									
04...	1400	.090	<5	<1	4	<10	<5	0	.0
FEB									
08...	1420	.030	--	<1	4	19	--	--	--
MAR									
08...	1445	.030	--	<1	--	10	--	40	--
APR									
05...	1110	.030	<5	<1	<1	29	<5	50	--
MAY									
10...	1640	.080	--	<1	3	19	--	60	--
31...	1510	.060	--	<1	2	34	--	--	--
JUL									
12...	1400	.030	<5	<1	<1	<10	<5	0	.0
AUG									
02...	1550	.010	--	<1	6	20	--	40	--
SEP									
06...	1320	.010	--	<1	<1	14	--	320	--

DATE	TIME	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)
NOV									
16...	1445	.000	.000	.000	.000	.000	.00	.00	.0
JAN									
04...	1400	.000	.000	.000	.000	.000	.00	.00	.0
JUL									
12...	1400	.000	.000	.000	.000	.000	.00	.00	.0

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, AR
(National radiochemical station)
(National stream-quality accounting network)

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 downstream from Main Street bridge at Little Rock, and at mile 124.2.

DRAINAGE AREA.--158,288 mi^2, of which 22,241 mi^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 upstream.

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT 28...	1000	0	80513	80020	5080	765	8.5	16.5	4.4	9.2	94
DEC 28...	1030	0	80513	80010	87400	240	7.7	10.0	50	10.4	92
FEB 24...	1300	0	80513	80010	52000	370	7.9	9.5	35	11.6	103
APR 25...	1030	9	80513	80010	131000	530	8.0	13.0	38	10.4	99
JUN 17...	1000	9	80513	80010	39600	441	7.9	25.0	36	7.2	88
AUG 29...	1030	9	80513	80010	12100	885	8.6	31.5	2.0	8.2	112

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)
OCT 28...	1000	762	1	1	170	54	54	49	11	82	51
DEC 28...	1030	762	1200	K2000	--	--	--	--	--	--	--
FEB 24...	1300	755	49	88	110	26	26	31	6.7	29	37
APR 25...	1030	761	900	1100	110	39	39	33	7.3	59	52
JUN 17...	1000	760	14	41	120	38	38	34	7.8	42	43
AUG 29...	1030	760	12	0	170	70	70	47	13	100	55

DATE	TIME	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)	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)
OCT 28...	1000	3	4.8	114	61	140	.30	.2	436	420	.59
DEC 28...	1030	--	2.7	38	21	33	.20	--	141	--	.19
FEB 24...	1300	1	3.4	79	31	44	.20	4.0	208	200	.28
APR 25...	1030	3	3.1	74	44	88	.20	5.6	285	280	.39
JUN 17...	1000	2	3.1	80	40	61	.20	6.2	266	240	.36
AUG 29...	1030	3	4.2	102	77	160	.30	.6	498	460	.68

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)
OCT											
28...	1000	--	<.100	.180	.23	1.4	.150	.46	.110	.120	--
DEC											
28...	1030	.340	.340	.170	.22	.40	.130	.40	.040	.030	60
FEB											
24...	1300	.510	.510	.190	.24	.60	.100	.31	.050	.040	<10
APR											
25...	1030	.790	.790	.130	.17	.70	.140	.43	.050	.050	--
JUN											
17...	1000	.670	.670	.110	.14	.40	.110	.34	.060	.050	10
AUG											
29...	1030	--	<.100	.080	.10	.60	.060	.18	.020	<.010	<10

DATE	TIME	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)
DEC											
28...	1030	1	--	--	--	<1	--	5	--	7	--
FEB											
24...	1300	1	68	<1	<1	<1	<3	5	47	27	<4
JUN											
17...	1000	2	98	<.5	<1	3	<3	2	20	<1	<4
AUG											
29...	1030	3	130	<.5	<1	<1	<3	4	9	5	6

DATE	TIME	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	SILVER, DISSOLVED (UG/L AS AG) (01075)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	URANIUM DISSOLVED, EXTRACTION (UG/L) (80020)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT) (80030)
OCT											
28...	1000	--	--	--	--	--	--	--	--	--	<8.2
DEC											
28...	1030	--	<.1	--	7	<1	<1	--	--	.42	<3.4
FEB											
24...	1300	6	.7	<10	9	<1	<1	210	6	--	--
JUN											
17...	1000	3	.3	<10	2	<1	<1	260	6	--	--
AUG											
29...	1030	2	.1	<10	3	<1	<1	430	3	--	--

DATE	TIME	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS BETA, DISSOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90) (80060)	RADIUM 226, DISSOLVED, RADON METHOD (PCI/L) (09511)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT										
28...	1000	<.6	<6.0	<.6	<5.7	<.6	.09	17	233	57
DEC										
28...	1030	<3.7	3.2	<4.2	3.1	<4.3	.05	164	38700	27
FEB										
24...	1300	--	--	--	--	--	--	16	2250	74
APR										
25...	1030	--	--	--	--	--	--	298	105000	21
JUN										
17...	1000	--	--	--	--	--	--	46	4920	89
AUG										
29...	1030	--	--	--	--	--	--	22	719	35

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 southeast of Swan Lake.

DRAINAGE AREA.--158,937 mi^2, of which 22,241 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT										
05...	0935	0	9827	9827	--	.00	--	21.0	23.0	2.8
26...	0955	0	9827	9827	--	.00	7.8	9.0	14.0	3.0
DEC										
07...	1420	0	9827	9827	--	--	7.0	12.0	12.0	150
JAN										
04...	1035	0	9827	9827	--	1300	7.2	2.0	6.0	60
FEB										
22...	1025	0	9827	9827	45000	--	7.8	11.0	9.0	65
MAR										
08...	1435	0	9827	9827	96300	--	7.9	13.0	12.0	45
29...	1025	0	9827	9827	7200	--	7.9	10.0	11.0	20
MAY										
03...	1420	0	9827	9827	--	--	7.7	18.0	17.0	50
31...	1425	0	9827	9827	--	--	7.6	21.0	21.0	60
JUL										
05...	1035	0	9827	9827	--	6800	7.8	23.0	22.0	35
AUG										
02...	1030	0	9827	9827	--	9300	8.1	30.0	30.0	20
SEP										
06...	1410	0	9827	9827	--	3300	8.0	31.0	27.0	7.5

DATE	TIME	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)
OCT									
05...	0935	6.5	75	16	.6	<4	150	--	160
26...	0955	8.3	80	21	1.0	4	160	65	150
DEC									
07...	1420	7.6	70	19	2.2	460	46	16	26
JAN									
04...	1035	12.6	101	20	.8	210	54	25	2.5
FEB									
22...	1025	11.9	102	18	1.2	8	90	29	35
MAR									
08...	1435	10.6	98	--	2.1	260	100	33	48
29...	1025	11.4	103	15	1.6	<4	110	37	99
MAY									
03...	1420	9.0	--	19	1.6	92	--	40	78
31...	1425	8.6	--	16	1.4	16	--	42	69
JUL									
05...	1035	8.9	--	14	2.3	32	--	41	75
AUG									
02...	1030	9.0	--	20	2.9	130	--	67	150
SEP									
06...	1410	7.0	--	--	2.7	20	--	81	190

07263750 ARKANSAS RIVER AT LOCK AND DAM 3, NEAR SWAN LAKE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)
OCT									
05...	0935	--	--	3	.060	.120	.58	.70	.76
26...	0955	464	.63	2	.130	.110	.89	1.0	1.1
DEC									
07...	1420	67	.09	--	.240	.110	.59	.70	.94
JAN									
04...	1035	153	.21	42	--	.130	1.1	1.2	--
FEB									
22...	1025	197	.27	41	.450	.110	.59	.70	1.2
MAR									
08...	1435	213	.29	51	.330	.060	.84	.90	1.2
29...	1025	328	.45	16	.300	.060	.94	1.0	1.3
MAY									
03...	1420	297	.40	66	.790	.050	.55	.60	1.4
31...	1425	300	.41	62	.470	.080	2.1	2.2	2.7
JUL									
05...	1035	297	.40	33	.540	.090	.11	.20	.74
AUG									
02...	1030	467	.64	28	.090	.120	--	<.10	--
SEP									
06...	1410	506	.69	15	.080	.090	.71	.80	.88

DATE	TIME	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)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT									
05...	0935	3.4	.090	.070	<1	<1	18	140	--
26...	0955	5.0	.080	.070	<1	<1	--	70	--
DEC									
07...	1420	4.2	.240	.070	<1	--	<10	70	.0
JAN									
04...	1035	--	.170	.080	<1	7	180	900	--
FEB									
22...	1025	5.1	.170	.080	<1	10	52	110	--
MAR									
08...	1435	5.4	.140	.050	<1	10	17	50	.0
29...	1025	5.8	.100	.010	<1	4	21	60	--
MAY									
03...	1420	6.2	.150	.060	<1	2	<10	30	--
31...	1425	12	.160	.060	<1	3	19	50	.0
JUL									
05...	1035	3.3	.130	.020	--	3	12	100	--
AUG									
02...	1030	--	.130	.010	<1	3	20	70	--
SEP									
06...	1410	3.9	.100	.010	<1	<1	<10	30	.0

DATE	TIME	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)
DEC									
07...	1420	.000	.000	.000	.000	.000	.00	.00	.0
MAR									
08...	1435	.000	.000	.000	.000	.000	.00	.00	.0
MAY									
31...	1425	.000	.000	.000	.000	.000	.00	.00	.0
SEP									
06...	1410	.000	.000	.000	.000	.000	.00	.00	3

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 upstream from Brushy Slough, 3.5 mi south of Lonoke, and at mile 106.4.

DRAINAGE AREA.--207 mi^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 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 National Geodetic Vertical Datum of 1929. Prior to Feb. 10, 1955, water-stage recorder at site 4.8 mi upstream at datum 6.97 ft 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.--29 years, 290 ft^3/s, 210,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,700 ft^3/s May 18, 1968, gage height, 26.55 ft; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,020 ft^3/s Dec. 30, gage height, 24.46 ft; no flow Aug. 16, Sept. 15, 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	7.7	923	2730	507	154	181	975	137	17	11	6.2
2	13	14	990	2410	683	128	290	761	122	16	11	6.5
3	12	16	1050	2120	758	110	354	617	95	23	9.1	9.4
4	13	22	1150	1870	831	122	415	597	66	30	7.8	8.0
5	16	35	1140	1640	907	449	527	656	54	26	4.8	7.5
6	19	37	1140	1420	935	633	545	749	41	24	1.5	8.5
7	22	33	1240	1160	864	712	581	819	35	20	.75	9.9
8	24	28	1350	927	756	811	584	823	27	15	.31	13
9	23	23	1360	728	644	906	539	724	22	11	.49	7.2
10	22	19	1280	582	520	929	480	543	20	12	2.4	7.0
11	19	18	1220	494	411	871	414	376	17	9.3	2.7	10
12	17	22	1110	421	342	733	345	288	16	11	3.9	6.6
13	16	22	995	355	278	541	289	234	16	8.0	.18	2.0
14	15	21	917	302	231	362	303	223	18	8.2	1.9	.17
15	13	19	950	256	202	257	401	794	14	5.8	.25	.00
16	11	18	967	223	179	191	504	1050	11	5.9	.00	.00
17	9.6	17	915	200	164	154	545	1170	12	5.6	1.2	3.4
18	8.1	17	817	189	135	152	507	1300	14	17	.08	17
19	7.2	16	702	191	117	141	406	1540	13	25	.49	20
20	7.0	19	575	182	101	110	305	1680	12	21	.09	24
21	6.7	105	451	163	90	90	246	1690	13	16	.15	22
22	6.9	226	379	147	95	122	228	1650	14	12	.27	19
23	7.0	543	338	133	104	155	460	1520	15	14	1.9	19
24	6.2	653	332	129	146	135	703	1360	16	15	1.1	20
25	5.9	650	932	133	186	111	815	1190	17	9.5	.59	19
26	6.1	619	1240	133	191	97	958	988	29	11	.12	20
27	6.1	647	1660	132	202	87	1120	732	28	10	.34	18
28	6.7	768	2440	126	183	84	1210	478	22	13	1.0	17
29	9.8	813	2880	160	---	93	1210	301	20	13	1.4	20
30	7.7	845	2990	197	---	105	1130	207	15	14	.05	18
31	7.0	---	2940	215	---	111	---	159	---	14	5.2	---
TOTAL	376.0	6292.7	37373	20068	10762	9656	16595	26194	951	452.3	72.06	358.37
MEAN	12.1	210	1206	647	384	311	553	845	31.7	14.6	2.32	11.9
MAX	24	845	2990	2730	935	929	1210	1690	137	30	11	24
MIN	5.9	7.7	332	126	90	84	181	159	11	5.6	.00	.00
AC-FT	746	12480	74130	39800	21350	19150	32920	51960	1890	897	143	711

CAL YR 1982 TOTAL 127769.51 MEAN 350 MAX 2990 MIN .61 AC-FT 253400
WTR YR 1983 TOTAL 129150.43 MEAN 354 MAX 2990 MIN .00 AC-FT 256200

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT											
05...	0900	0	9827	9827	15	7.3	23.0	22.0	9.4	4.4	50
NOV											
16...	0920	0	9827	9827	18	7.3	10.0	7.0	3.0	6.6	54
DEC											
07...	0915	0	9827	9827	1220	6.3	11.0	13.0	40	5.1	48
JAN											
04...	1000	0	9827	9827	1890	6.2	2.0	5.0	40	9.7	76
FEB											
08...	0920	0	9827	9827	767	6.5	2.0	4.0	45	9.7	74
MAR											
08...	0915	0	9827	9827	811	6.7	13.0	14.0	50	6.7	64
APR											
05...	0920	0	9827	9827	542	6.5	18.0	13.0	95	8.0	75
MAY											
10...	0930	0	9827	9827	568	6.6	23.0	18.0	35	5.7	--
31...	0930	0	9827	9827	162	6.8	20.0	22.0	50	3.9	--
JUL											
12...	0900	0	9827	9827	11	7.2	36.0	28.0	25	1.8	--
AUG											
02...	0940	0	9827	9827	13	7.1	31.0	29.0	7.8	2.7	--
SEP											
06...	0845	0	9827	9827	12	7.3	27.0	26.0	6.0	1.7	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT											
05...	0900	22	1.0	92	96	7.0	--	--	--	14	.420
NOV											
16...	0920	33	.7	140	210	12	550	1120	1.5	6	--
DEC											
07...	0915	31	2.0	180	22	8.0	9.0	84	.11	18	--
JAN											
04...	1000	21	2.1	48	20	7.0	--	88	.12	12	--
FEB											
08...	0920	18	2.0	60	22	8.0	15	100	.14	18	.280
MAR											
08...	0915	--	2.4	390	20	6.0	13	77	.10	29	.230
APR											
05...	0920	28	3.0	490	32	9.0	16	107	.15	76	.360
MAY											
10...	0930	26	2.7	110	--	6.0	15	100	.14	30	.250
31...	0930	26	2.4	52	--	--	22	136	.19	40	.560
JUL											
12...	0900	28	2.7	340	--	18	170	458	.62	19	.670
AUG											
02...	0940	32	--	76	--	30	110	374	.51	12	.600
SEP											
06...	0845	--	1.7	120	--	25	75	356	.48	7	.440

07264000 BAYOU METO NEAR LONOKE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
OCT 05...	0900	.090	.61	.70	1.1	5.0	.130	.080	--	7	12
NOV 16...	0920	.090	.51	.60	--	--	.080	--	<1	3	13
DEC 07...	0915	.070	.63	.70	--	--	.220	.170	<1	2	13
JAN 04...	1000	.070	.83	.90	--	--	.170	.130	<1	5	<10
FEB 08...	0920	.140	.36	.50	.78	3.5	.200	.090	<1	5	16
MAR 08...	0915	.130	.77	.90	1.1	5.0	--	.100	<1	--	11
APR 05...	0920	.130	1.1	1.2	1.6	6.9	.310	.140	<1	3	17
MAY 10...	0930	.140	.86	1.0	1.3	5.5	.280	.160	<1	5	15
31...	0930	.180	1.6	1.8	2.4	10	.350	.210	<1	1	21
JUL 12...	0900	.170	1.4	1.6	2.3	10	.220	.080	1	<1	20
AUG 02...	0940	.170	--	--	--	--	.220	.070	<1	<1	10
SEP 06...	0845	.240	.66	.90	1.3	5.9	.160	.110	1	<1	<10

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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)
OCT 05...	0900	70	.0	.000	.000	.000	.000	.000	.00	.00	.0
NOV 16...	0920	60	--	--	--	--	--	--	--	--	--
DEC 07...	0915	190	--	--	--	--	--	--	--	--	--
JAN 04...	1000	50	--	--	--	--	--	--	--	--	--
MAR 08...	0915	50	--	--	--	--	--	--	--	--	--
APR 05...	0920	30	--	--	--	--	--	--	--	--	--
MAY 10...	0930	310	--	--	--	--	--	--	--	--	--
JUL 12...	0900	100	--	--	--	--	--	--	--	--	--
AUG 02...	0940	50	--	--	--	--	--	--	--	--	--
SEP 06...	0845	320	--	--	--	--	--	--	--	--	--

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 south of Cabot.

DRAINAGE AREA.--84.9 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
05...	0930	0	9827	9827	.00	6.8	21.0	20.0	4.6	1.4
NOV										
16...	1000	0	9827	9827	5.1	6.6	6.0	5.0	7.0	--
DEC										
07...	0940	0	9827	9827	445	6.0	12.0	11.0	20	3.4
JAN										
04...	1025	0	9827	9827	34	5.5	5.0	4.0	30	8.8
FEB										
08...	1000	0	9827	9827	270	5.7	5.0	4.0	25	10.6
MAR										
08...	0950	0	9827	9827	--	6.2	14.0	13.0	30	4.5
APR										
05...	1010	0	9827	9827	233	6.1	11.0	14.0	35	5.8
MAY										
10...	1010	0	9827	9827	101	6.3	21.0	18.0	30	3.6
31...	1010	0	9827	9827	18	6.6	20.0	20.0	35	2.9
JUN										
21...	0840	0	9827	9827	--	--	33.0	27.0	--	--
JUL										
12...	0939	0	9827	9827	.00	6.8	31.0	26.0	8.8	1.9

DATE	TIME	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										
05...	0930	15	--	100	76	6.0	--	--	--	3
NOV										
16...	1000	--	6.0	40	40	6.0	34	152	.21	8
DEC										
07...	0940	31	2.0	200	26	13	6.0	84	.11	11
JAN										
04...	1025	67	1.9	92	18	9.0	--	80	.11	10
FEB										
08...	1000	81	4.2	110	16	9.0	7.5	72	.10	10
MAR										
08...	0950	42	1.9	300	18	9.0	5.5	65	.09	7
APR										
05...	1010	56	3.2	790	22	8.0	8.0	79	.11	17
MAY										
10...	1010	--	2.1	110	--	7.0	6.5	89	.12	20
31...	1010	--	3.7	44	--	--	11	113	.15	22
JUN										
21...	0840	--	--	90	--	--	--	--	--	--
JUL										
12...	0939	--	3.9	230	--	8.0	21	132	.18	14

ARKANSAS RIVER BASIN

07264050 BAYOU TWO PRAIRIE NEAR CABOT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT										
05...	0930	.200	2.10	.910	.690	--	9	15	390	.0
NOV										
16...	1000	--	3.90	1.45	--	<1	--	<10	40	--
DEC										
07...	0940	--	.060	.190	.120	<1	1	17	50	--
JAN										
04...	1025	--	.190	.150	.110	<1	7	11	80	--
FEB										
08...	1000	.160	.280	.190	.100	1	10	<10	--	--
MAR										
08...	0950	.080	.060	--	.050	<1	--	12	70	--
APR										
05...	1010	.200	.310	.400	.160	<1	<1	26	50	--
MAY										
10...	1010	.250	.570	.340	.240	<1	4	19	330	--
31...	1010	.490	.890	.430	.310	<1	<1	20	--	--
JUL										
12...	0939	.590	1.45	.660	.440	1	<1	14	60	--

DATE	TIME	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)
OCT									
05...	0930	.000	.000	.000	.000	.000	.00	.00	.0

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 southwest of Bayou Meto.

DRAINAGE AREA.--794 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
05...	1020	0	9827	9827	--	--	21.0	22.0	25	7.3
26...	1035	0	9827	9827	--	7.3	12.0	13.0	40	5.3
DEC										
07...	1325	0	9827	9827	3200	6.7	11.0	13.0	90	5.0
JAN										
04...	1125	0	9827	9827	5000	6.5	3.0	5.0	70	8.2
FEB										
22...	1115	0	9827	9827	1300	7.0	12.0	11.0	80	7.9
MAR										
08...	1325	0	9827	9827	1200	6.8	12.0	14.0	2000	6.4
29...	1115	0	9827	9827	1200	6.7	10.0	11.0	75	8.4
MAY										
03...	1325	0	9827	9827	3000	6.5	17.0	18.0	100	4.8
31...	1320	0	9827	9827	3400	6.7	20.0	20.0	60	4.3
JUL										
05...	1110	0	9827	9827	48	6.9	24.0	22.0	110	3.9
AUG										
02...	1105	0	9827	9827	14	6.8	30.0	28.0	75	5.1
SEP										
06...	1305	0	9827	9827	--	8.0	30.0	28.0	25	7.9

DATE	TIME	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										
05...	1020	83	2.1	130	130	--	36	--	--	29
26...	1035	50	3.0	40	76	13	30	194	.26	56
DEC										
07...	1325	47	2.7	150	44	17	160	154	.21	--
JAN										
04...	1125	64	2.1	200	24	8.0	4.5	131	.18	12
FEB										
22...	1115	71	1.9	230	30	8.0	11	121	.16	40
MAR										
08...	1325	62	4.6	120	34	8.0	7.5	190	.26	77
29...	1115	76	3.5	20	34	7.0	12	138	.19	56
MAY										
03...	1325	--	3.9	80	--	7.0	4.5	168	.23	33
31...	1320	--	2.2	20	--	5.0	5.0	149	.20	20
JUL										
05...	1110	--	2.4	530	--	6.0	16	137	.19	93
AUG										
02...	1105	--	--	84	--	11	11	132	.18	78
SEP										
06...	1305	--	5.8	510	--	14	22	193	.26	18

07265099 BAYOU METO NEAR BAYOU METO, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT										
05...	1020	.060	.120	.150	.010	<1	<1	14	30	--
26...	1035	.320	.290	.180	.090	<1	1	--	60	--
DEC										
07...	1325	.150	.070	.320	.210	<1	--	<10	30	.0
JAN										
04...	1125	--	.070	.280	.200	<1	7	<10	30	--
FEB										
22...	1115	.170	.060	.230	.120	<1	10	66	80	--
MAR										
08...	1325	.350	.240	.470	.240	<1	12	15	30	--
29...	1115	.230	.090	.260	.140	<1	5	<10	20	--
MAY										
03...	1325	.250	.120	.350	.270	<1	5	<10	10	--
31...	1320	.200	.130	.400	.300	<1	4	<10	0	--
JUL										
05...	1110	.450	.200	.280	.100	--	7	<10	10	--
AUG										
02...	1105	.380	.230	.280	.110	<1	2	<10	30	--
SEP										
06...	1305	.060	.060	.110	.030	<1	<1	<10	0	--

DATE	TIME	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)
DEC									
07...	1325	.000	.000	.000	.000	.000	.00	.00	.0

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, AR
(National stream-quality accounting network)

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 downstream from Arkansas Post Canal, and 9.8 mi southeast of Gillett.

DRAINAGE AREA.--160,475 mi^2, of which 22,241 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV 02...	1130	0	80513	80010	5700	705	7.9	18.0	5.7	8.1
DEC 21...	0930	0	80513	80010	33500	251	7.5	8.5	37	11.1
FEB 22...	1100	0	80513	80010	42200	308	7.9	9.5	60	11.4
APR 26...	1015	9	80513	80010	154000	530	7.4	13.5	65	10.4
JUN 21...	1000	9	80513	80010	41600	444	7.8	27.0	30	6.8
AUG 29...	1010	9	80513	80010	11500	889	7.6	32.0	<1.0	6.8

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
NOV 02...	1130	86	760	140	97	140	35	35	41	10
DEC 21...	0930	95	764	280	600	54	14	14	15	4.0
FEB 22...	1100	101	756	18	260	89	26	26	26	5.8
APR 26...	1015	100	759	340	520	110	36	36	32	6.9
JUN 21...	1000	86	761	100	180	110	34	34	33	7.5
AUG 29...	1010	94	760	110	600	160	56	56	46	12

DATE	TIME	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 02...	1130	82	54	3	4.4	109	55	120	.30	4.0
DEC 21...	0930	25	48	2	3.5	40	23	35	.20	6.2
FEB 22...	1100	27	39	1	2.6	63	29	35	.20	5.0
APR 26...	1015	56	52	2	2.8	72	43	90	.20	5.3
JUN 21...	1000	41	43	2	2.7	80	40	60	.20	5.8
AUG 29...	1010	100	56	4	4.1	109	77	170	.30	.8

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	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)
NOV										
02...	1130	379	380	.52	.170	.170	.130	.17	.90	.150
DEC										
21...	0930	151	140	.21	.390	.390	.120	.15	.50	.140
FEB										
22...	1100	174	170	.24	.490	.490	.180	.23	.80	.150
APR										
26...	1015	303	280	.41	.760	.760	.130	.17	.40	.120
JUN										
21...	1000	228	240	.31	.640	.640	.090	.12	.60	.110
AUG										
29...	1010	505	480	.69	--	<.100	.090	.12	.50	.060

DATE	TIME	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
NOV										
02...	1130	.46	.170	.080	--	--	--	--	--	--
DEC										
21...	0930	.43	.080	.060	90	1	86	<1	<1	<1
FEB										
22...	1100	.46	.060	.050	100	1	260	<1	<1	<1
APR										
26...	1015	.37	.060	.040	--	--	--	--	--	--
JUN										
21...	1000	.34	.070	.050	120	1	200	<.5	<1	2
AUG										
29...	1010	.18	.050	.070	10	2	140	<.5	<1	5

DATE	TIME	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
DEC									
21...	0930	<3	7	520	8	<4	20	.1	<10
FEB									
22...	1100	<3	7	130	1	<4	6	<.1	<10
JUN									
21...	1000	<3	9	56	1	6	5	.3	<10
AUG									
29...	1010	<3	110	17	4	8	7	<.1	<10

DATE	TIME	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	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)
NOV									
02...	1130	--	--	--	--	--	19	292	57
DEC									
21...	0930	80	--	<1	80	49	38	3440	56
FEB									
22...	1100	7	<1	<1	190	120	33	3760	90
APR									
26...	1015	--	--	--	--	--	77	32000	89
JUN									
21...	1000	2	<1	<1	250	84	307	34500	12
AUG									
29...	1010	2	<1	<1	390	76	11	342	57

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, AR
(National stream-quality accounting network)

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 southwest of Arkansas City, and at mile 554.1.

DRAINAGE AREA.--1,130,600 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)
NOV 02...	1530	0	80513	80010	258000	--	455	8.0	16.0	50
FEB 23...	1100	0	80513	80010	--	681000	380	8.1	8.5	45
APR 26...	1400	9	80513	80010	--	1480000	375	7.9	12.0	75
AUG 29...	1515	9	80513	80010	--	245000	370	8.0	31.0	<1.0

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
NOV 02...	1530	8.9	91	760	K1800	82	180	38	38	46
FEB 23...	1100	11.5	99	759	610	620	150	37	37	40
APR 26...	1400	9.7	90	759	490	100	140	45	45	39
AUG 29...	1515	7.0	95	760	K1700	200	190	45	45	48

DATE	TIME	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)
NOV 02...	1530	16	24	22	.8	2.8	143	63	20	.30
FEB 23...	1100	12	18	20	.7	2.1	113	47	19	.30
APR 26...	1400	11	17	20	.6	2.5	98	44	24	.20
AUG 29...	1515	16	26	23	.9	2.7	141	76	19	.30

DATE	TIME	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, NITRATE DISSOLVED (MG/L AS N) (00618)	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)
NOV 02...	1530	8.5	300	270	.41	1.70	1.70	.100	.13	1.1
FEB 23...	1100	7.1	240	210	.33	1.50	1.50	.140	.18	.80
APR 26...	1400	6.6	263	200	.36	2.20	2.20	.110	.14	.60
AUG 29...	1515	1.7	301	280	.41	.730	.730	.090	.12	.50

MISSISSIPPI RIVER MAIN STEM

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
NOV 02...	1530	.180	.55	.140	.110	--	2	310	<1	<1
FEB 23...	1100	.160	.49	.060	.050	30	2	260	<1	1
APR 26...	1400	.160	.49	.050	.050	<10	2	73	<1	<1
AUG 29...	1515	.120	.37	.060	.060	<10	4	330	<.5	<1

DATE	TIME	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
NOV 02...	1530	3	<3	53	19	3	16	9	<.1	20
FEB 23...	1100	<1	<3	36	33	3	5	8	.3	<10
APR 26...	1400	<1	<3	14	35	2	4	6	<.1	10
AUG 29...	1515	10	<3	85	11	3	12	7	.1	<10

DATE	TIME	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	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)
NOV 02...	1530	2	2	<1	210	82	101	70400	90
FEB 23...	1100	1	<1	<1	160	120	98	180000	70
APR 26...	1400	6	1	<1	160	10	145	580000	78
AUG 29...	1515	1	<1	<1	220	78	21	13900	73

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 south of Foreman.

DRAINAGE AREA.--47,648 mi^2, of which 5,936 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 19...	0830	0	9827	9827	1260	8.1	18.0	19.0	7.8	8.8
NOV 16...	0810	0	9827	9827	1250	8.0	6.0	9.0	25	10.5
DEC 07...	0800	0	9827	9827	26500	7.5	5.0	11.0	300	8.4
JAN 25...	0800	0	9827	9827	3040	7.9	4.0	4.0	20	12.2
FEB 22...	1030	0	9827	9827	23300	8.0	15.0	12.0	400	8.8
MAR 22...	1000	0	9827	9827	7540	8.0	11.0	9.0	50	10.7
APR 19...	0800	0	9827	9827	6770	8.0	11.0	15.0	70	9.2
MAY 17...	0800	0	9827	9827	14400	7.8	15.0	19.0	120	6.8
JUN 14...	0800	0	9827	9827	7660	8.2	26.0	25.0	35	7.7
JUL 19...	0800	0	9827	9827	7470	8.2	25.0	27.0	25	7.7
AUG 16...	0800	0	9827	9827	3440	8.0	25.0	30.0	30	7.1
SEP 20...	0800	0	9827	9827	2000	8.1	26.0	25.0	20	8.0

DATE	TIME	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 19...	0830	94	3.6	4	280	98	120	544	.74	28
NOV 16...	0810	90	3.4	8	280	78	91	489	.67	29
DEC 07...	0800	76	3.1	900	78	21	12	85	.12	328
JAN 25...	0800	93	1.7	16	260	120	130	551	.75	31
FEB 22...	1030	81	3.2	30	190	73	75	368	.50	618
MAR 22...	1000	92	1.8	16	240	100	130	532	.72	103
APR 19...	0800	--	2.0	24	--	63	69	339	.46	92
MAY 17...	0800	--	3.9	1100	--	57	69	326	.44	262
JUN 14...	0800	--	3.2	4	--	--	200	699	.95	72
JUL 19...	0800	--	3.1	10	--	110	190	621	.84	50
AUG 16...	0800	--	3.4	--	--	94	170	623	.85	56
SEP 20...	0800	--	4.6	38	--	120	190	681	.93	30

07336860 RED RIVER NEAR FOREMAN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT										
19...	0830	--	.180	--	.010	<1	1	--	60	--
NOV										
16...	0810	.010	.020	.080	.010	<1	10	<10	40	--
DEC										
07...	0800	.280	.090	.340	.070	<1	13	19	--	.0
JAN										
25...	0800	.290	.090	.070	.030	<1	<1	31	70	--
FEB										
22...	1030	.300	.060	.460	.050	<1	26	49	100	--
MAR										
22...	1000	.160	.020	.100	<.010	<1	5	17	70	--
APR										
19...	0800	.100	.010	.120	.010	--	4	--	50	--
MAY										
17...	0800	.220	.090	.270	.010	<1	7	--	90	--
JUN										
14...	0800	--	.040	.100	--	<1	<1	--	50	--
JUL										
19...	0800	.030	.050	.090	.010	<1	2	24	--	--
AUG										
16...	0800	.020	.030	.090	<.010	1	3	20	50	--
SEP										
20...	0800	<.010	<.010	.080	<.010	1	1	21	60	--

DATE	TIME	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)
DEC									
07...	0800	.000	.000	.000	.000	.000	.00	.00	.0

RED RIVER BASIN

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 south of Ogden, 20.6 mi upstream from Little River, and at mile 485.3.

DRAINAGE AREA.--48,030 mi^2, of which 5,936 mi^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 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 downstream at present datum.

REMARKS.--Records good. Some regulation since Oct. 31, 1943, by Lake Texoma (Texas), 241 mi upstream, capacity, 5,392,900 acre-ft, since Sept. 28, 1967, by Pat Mayse Lake (Texas), capacity, 352,700 acre-ft, and since Jan. 18, 1974, by Hugo Lake (Oklahoma) capacity, 966,700 acre-ft.

AVERAGE DISCHARGE.--47 years, 11,710 ft^3/s, 8,484,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 297,000 ft^3/s Feb. 23, 1938, gage height, 34.25 ft; minimum, 378 ft^3/s Nov. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 54,000 ft^3/s Dec. 4, gage height, 16.33 ft; minimum daily, 1,360 ft^3/s Sept. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2520	3530	15400	20900	6990	19300	14600	7840	22800	23100	6440	3080
2	2020	4400	13700	17900	8380	16000	14500	8290	21100	33100	6670	2760
3	1860	5040	32900	16200	10000	13000	14100	8960	19900	30500	6480	2130
4	2340	5260	52700	14100	22400	10100	11300	9030	16900	26000	5170	1900
5	3130	8370	48800	12000	24300	14800	8590	10700	14400	22000	4560	2430
6	2890	11600	42000	10500	19600	23600	7360	15400	14200	20000	4680	2780
7	2870	8170	32000	8210	16200	24900	7350	17200	14800	19700	4110	2200
8	3010	5680	22700	6570	15400	21400	7400	15700	15400	23400	3550	1720
9	2980	4440	17100	6420	14400	18900	7770	12300	16200	22700	3240	1630
10	3110	3620	14300	6410	13300	18000	7930	9590	15100	17500	3400	1820
11	3380	3090	15400	6380	12900	15900	6800	8230	11900	14500	3610	1900
12	3460	2530	20400	5990	12400	12900	5610	6380	9170	11500	2980	1900
13	2970	2140	24300	5630	10600	9450	5000	5210	7690	9420	2760	1850
14	3030	1900	25700	4870	8430	7650	4950	5140	7160	8450	3160	1570
15	2670	1710	23600	4620	6920	6620	4660	5740	6920	8050	3730	1480
16	2140	1590	20800	5120	5940	6160	4860	6330	6800	8340	3270	1380
17	2060	1490	19500	5220	4750	6300	5780	10400	7740	7890	3190	1360
18	2460	1600	17500	4740	4020	6150	6900	17300	13200	7620	3490	2110
19	2360	1660	13200	4060	3620	5350	7330	22600	12600	7330	3650	2230
20	1970	1570	9820	3670	3280	5320	6720	28500	9240	6920	3530	1740
21	1830	1630	8990	3610	3550	5730	5430	32200	8590	6490	3840	1550
22	1980	1860	7920	3390	9880	6580	4650	38300	8840	6360	4040	2260
23	1890	2100	7120	3710	32900	7280	5270	42300	8810	6970	3670	2410
24	2480	2470	6440	4010	37000	7490	7010	43900	8740	7300	3440	2020
25	2890	3000	5260	3830	33300	7810	8280	42100	8550	7180	3130	1910
26	2540	3230	4840	3510	28800	7880	8000	40200	8540	6910	3030	2120
27	2360	7170	5890	3000	25800	8340	6780	38900	7940	6560	3310	2070
28	2830	19600	9930	2810	23400	9260	6810	35800	7220	5960	3060	2190
29	2810	21900	18900	2960	---	12800	7290	35600	7240	6380	2880	2250
30	2310	17200	26900	3500	---	16500	7690	32200	8480	6950	3430	1920
31	2420	---	25700	3740	---	15800	---	26000	---	6660	3740	---
TOTAL	79570	159550	609710	207580	418460	367270	226720	638340	346170	401740	119240	60670
MEAN	2567	5318	19670	6696	14950	11850	7557	20590	11540	12960	3846	2022
MAX	3460	21900	52700	20900	37000	24900	14600	43900	22800	33100	6670	3080
MIN	1830	1490	4840	2810	3280	5320	4650	5140	6800	5960	2760	1360
AC-FT	157800	316500	1209000	411700	830000	728500	449700	1266000	686600	796900	236500	120300

CAL YR 1982 TOTAL 6774610 MEAN 18560 MAX 111000 MIN 1490 AC-FT 13440000
WTR YR 1983 TOTAL 3635020 MEAN 9959 MAX 52700 MIN 1360 AC-FT 7210000

07337000 RED RIVER AT INDEX, AR--CONTINUED
(National stream-quality accounting network)

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 13...	0745	0	80513	80010	2900	969	7.9	19.0	19	7.3
DEC 01...	1015	0	80513	80010	15500	348	7.6	12.5	140	8.8
FEB 16...	1115	0	80513	80010	6240	340	7.9	10.0	60	10.4
APR 13...	1100	0	80513	80010	5330	430	8.0	18.0	37	8.5
JUN 07...	1000	9	80513	80010	15100	1110	8.1	24.0	80	7.5
AUG 09...	1415	9	80513	80010	3290	1120	8.0	31.0	13	7.5

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
OCT 13...	0745	79	760	44	130	240	78	78	67	18
DEC 01...	1015	84	750	K3100	4500	100	23	23	29	6.7
FEB 16...	1115	93	755	130	210	110	24	24	33	6.0
APR 13...	1100	92	745	3	92	230	84	84	64	16
JUN 07...	1000	90	756	56	100	270	148	150	74	21
AUG 09...	1415	102	757	63	120	300	130	130	80	23

DATE	TIME	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)
OCT 13...	0745	100	47	3	5.2	164	120	130	.30	1.5
DEC 01...	1015	31	39	1	3.5	78	38	41	.20	6.6
FEB 16...	1115	28	36	1	2.3	84	41	27	.10	7.6
APR 13...	1100	88	45	3	4.6	142	110	130	<.10	3.7
JUN 07...	1000	120	48	3	5.0	125	150	190	<.10	3.6
AUG 09...	1415	120	46	3	5.3	166	130	180	.30	5.3

DATE	TIME	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, NITRATE DISSOLVED (MG/L AS N) (00618)	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)
OCT 13...	0745	566	540	.77	--	<.100	.060	.08	1.3	.190
DEC 01...	1015	209	200	.28	.560	.560	.190	.24	1.3	.080
FEB 16...	1115	231	200	.31	.320	.320	.120	.15	.30	.120
APR 13...	1100	526	500	.72	--	<.100	.220	.28	.80	.120
JUN 07...	1000	728	640	.99	.260	.260	.100	.13	.60	.060
AUG 09...	1415	654	640	.89	--	<.100	.050	.06	.50	.060

07337000 RED RIVER AT INDEX, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
OCT 13...	0745	.58	.090	.040	--	--	--	--	--	--
DEC 01...	1015	.25	.070	.050	10	1	370	<1	<1	3
FEB 16...	1115	.37	.050	.050	<10	1	310	1	1	<1
APR 13...	1100	.37	.040	.020	--	--	--	--	--	--
JUN 07...	1000	.18	.040	.030	10	2	270	<.5	<1	<1
AUG 09...	1415	.18	.030	.020	10	2	220	<.5	<1	<1

DATE	TIME	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
DEC 01...	1015	<3	11	180	1	<4	8	.2	<10
FEB 16...	1115	3	9	170	2	4	20	.3	10
JUN 07...	1000	<3	<10	22	<10	--	7	<.1	<10
AUG 09...	1415	<3	4	26	2	14	34	<.1	<10

DATE	TIME	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	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 13...	0745	--	--	--	--	--	41	321	69
DEC 01...	1015	3	<1	<1	230	77	445	18600	82
FEB 16...	1115	6	<1	<1	220	120	135	2270	67
APR 13...	1100	--	--	--	--	--	71	1020	91
JUN 07...	1000	2	<1	<1	750	29	468	19100	77
AUG 09...	1415	1	<1	<1	820	28	41	364	76

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 northwest of DeQueen, and at mile 22.8.

DRAINAGE AREA.--169 mi^2.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT											
13...	1315	0	80513	.00	57.0	38	6.7	22.0	49.0	1.20	4.8
13...	1316	0	80513	10.0	57.0	38	6.7	22.0	--	--	4.7
13...	1318	0	80513	20.0	57.0	38	6.6	22.0	--	--	4.5
13...	1320	0	80513	30.0	57.0	38	6.6	22.0	--	--	4.9
13...	1322	0	80513	40.0	57.0	38	6.6	22.0	--	--	5.6
13...	1324	0	80513	45.0	57.0	94	6.6	21.0	--	--	.1
13...	1326	0	80513	48.0	57.0	110	6.7	20.0	--	--	.0
13...	1328	0	80513	50.0	57.0	122	6.7	19.5	--	--	.0
13...	1329	0	80513	55.0	57.0	176	6.8	18.5	--	--	.0
13...	1330	0	80513	57.0	57.0	200	6.8	17.5	--	--	.0

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
NOV							
17...	1500	0	80513	.00	62.0	46	7.1
17...	1502	0	80513	10.0	62.0	46	6.9
17...	1504	0	80513	20.0	62.0	46	6.9
17...	1506	0	80513	30.0	62.0	46	6.9
17...	1507	0	80513	40.0	62.0	46	6.9
17...	1508	0	80513	50.0	62.0	46	6.9
17...	1509	0	80513	60.0	62.0	46	6.9
17...	1510	0	80513	62.0	62.0	46	6.9

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
17...	1500	14.0	48.0	1.20	7.7	76	752
17...	1502	14.0	--	--	7.5	--	--
17...	1504	14.0	--	--	7.5	--	--
17...	1506	14.0	--	--	7.5	--	--
17...	1507	14.0	--	--	7.5	--	--
17...	1508	14.0	--	--	7.5	--	--
17...	1509	14.0	--	--	7.4	--	--
17...	1510	14.0	--	--	7.4	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
DEC							
01...	1400	0	80513	.00	67.0	41	6.8
01...	1401	0	80513	10.0	67.0	40	6.7
01...	1403	0	80513	20.0	67.0	38	6.7
01...	1405	0	80513	30.0	67.0	34	6.6
01...	1406	0	80513	40.0	67.0	34	6.6
01...	1407	0	80513	50.0	67.0	34	6.5
01...	1408	0	80513	60.0	67.0	34	6.5
01...	1410	0	80513	67.0	67.0	34	6.5

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1982

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC							
01...	1400	12.0	36.0	.90	8.8	83	747
01...	1401	12.0	--	--	8.8	--	--
01...	1403	11.5	--	--	9.1	--	--
01...	1405	11.5	--	--	9.4	--	--
01...	1406	11.5	--	--	9.5	--	--
01...	1407	11.5	--	--	9.1	--	--
01...	1408	11.5	--	--	9.1	--	--
01...	1410	11.5	--	--	9.0	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
JAN							
03...	1500	0	80513	.00	63.0	37	6.3
03...	1505	0	80513	10.0	63.0	37	6.3
03...	1510	0	80513	20.0	63.0	37	6.3
03...	1515	0	80513	30.0	63.0	37	6.3
03...	1520	0	80513	40.0	63.0	37	6.3
03...	1525	0	80513	50.0	63.0	35	6.3
03...	1530	0	80513	60.0	63.0	35	6.3
03...	1535	0	80513	63.0	63.0	35	6.3

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
03...	1500	11.0	45.6	1.20	8.0	73	762
03...	1505	10.0	--	--	7.8	--	--
03...	1510	10.0	--	--	7.8	--	--
03...	1515	10.0	--	--	7.8	--	--
03...	1520	10.0	--	--	7.8	--	--
03...	1525	9.0	--	--	8.9	--	--
03...	1530	9.0	--	--	9.0	--	--
03...	1535	9.0	--	--	9.1	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
FEB							
15...	1330	0	80513	.00	55.0	35	7.6
15...	1335	0	80513	10.0	55.0	35	7.7
15...	1340	0	80513	20.0	55.0	35	7.5
15...	1345	0	80513	30.0	55.0	35	7.3
15...	1350	0	80513	40.0	55.0	36	7.3
15...	1355	0	80513	50.0	55.0	36	7.3
15...	1400	0	80513	55.0	55.0	36	7.3

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
FEB							
15...	1330	8.5	64.8	1.60	11.2	94	779
15...	1335	8.0	--	--	10.4	--	--
15...	1340	7.0	--	--	10.4	--	--
15...	1345	6.5	--	--	10.4	--	--
15...	1350	6.0	--	--	10.4	--	--
15...	1355	6.0	--	--	10.6	--	--
15...	1400	6.0	--	--	10.6	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
MAR							
08...	1400	0	80513	.00	69.0	40	6.6
08...	1402	0	80513	10.0	69.0	40	6.7
08...	1404	0	80513	20.0	69.0	40	6.9
08...	1406	0	80513	30.0	69.0	41	6.9
08...	1408	0	80513	40.0	69.0	41	7.2
08...	1410	0	80513	50.0	69.0	41	7.2
08...	1412	0	80513	60.0	69.0	41	6.8
08...	1414	0	80513	65.0	69.0	41	6.6
08...	1415	0	80513	69.0	69.0	41	6.6

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
08...	1400	13.5	33.6	.90	10.0	97	751
08...	1402	13.0	--	--	10.0	--	--
08...	1404	13.0	--	--	10.0	--	--
08...	1406	12.0	--	--	9.6	--	--
08...	1408	11.5	--	--	9.6	--	--
08...	1410	11.0	--	--	9.6	--	--
08...	1412	10.0	--	--	9.2	--	--
08...	1414	9.0	--	--	9.0	--	--
08...	1415	9.0	--	--	9.0	--	--

DATE	TIME	MEDIUM	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)
APR								
12...	1530	9	80513	80513	.00	55.0	32	7.1
12...	1535	9	80513	80513	10.0	55.0	32	7.1
12...	1540	9	80513	80513	20.0	55.0	34	7.1
12...	1545	9	80513	80513	30.0	55.0	34	6.9
12...	1550	9	80513	80513	40.0	55.0	34	6.9
12...	1555	9	80513	80513	50.0	55.0	34	6.8
12...	1600	9	80513	80513	55.0	55.0	34	6.8

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR							
12...	1530	13.5	74.4	1.90	9.4	92	745
12...	1535	13.0	--	--	8.9	--	--
12...	1540	12.5	--	--	8.8	--	--
12...	1545	12.5	--	--	8.5	--	--
12...	1550	12.0	--	--	8.1	--	--
12...	1555	12.0	--	--	7.6	--	--
12...	1600	11.5	--	--	7.3	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
MAY										
11...	0800	9	80513	80513	.00	58.0	34	7.1	20.0	66.0
11...	0801	9	80513	80010	3.00	58.0	--	--	--	--
11...	0802	9	80513	80513	10.0	58.0	34	6.6	20.0	--
11...	0804	9	80513	80513	20.0	58.0	36	6.3	19.0	--
11...	0806	9	80513	80513	25.0	58.0	36	6.3	18.0	--
11...	0808	9	80513	80513	30.0	58.0	36	6.3	17.0	--
11...	0810	9	80513	80513	35.0	58.0	36	6.2	16.0	--
11...	0812	9	80513	80513	40.0	58.0	36	6.2	16.0	--
11...	0814	9	80513	80513	50.0	58.0	38	6.2	15.0	--
11...	0815	9	80513	80513	58.0	58.0	38	6.1	14.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
11...	0800	1.70	8.7	97	752	--	--	--	--	--
11...	0801	--	--	--	--	.020	.06	<.010	14.0	<.100
11...	0802	--	7.5	--	--	--	--	--	--	--
11...	0804	--	6.5	--	--	--	--	--	--	--
11...	0806	--	6.5	--	--	--	--	--	--	--
11...	0808	--	6.5	--	--	--	--	--	--	--
11...	0810	--	6.4	--	--	--	--	--	--	--
11...	0812	--	6.4	--	--	--	--	--	--	--
11...	0814	--	5.4	--	--	--	--	--	--	--
11...	0815	--	4.6	--	--	--	--	--	--	--

DATE	TIME	MEDIUM	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)
JUN								
07...	1530	9	80513	80513	.00	60.0	37	7.3
07...	1532	9	80513	80513	5.00	60.0	36	7.2
07...	1534	9	80513	80513	10.0	60.0	34	8.9
07...	1536	9	80513	80513	15.0	60.0	32	8.0
07...	1538	9	80513	80513	17.0	60.0	34	7.3
07...	1540	9	80513	80513	20.0	60.0	34	6.5
07...	1542	9	80513	80513	25.0	60.0	34	6.3
07...	1544	9	80513	80513	30.0	60.0	34	6.3
07...	1546	9	80513	80513	40.0	60.0	36	6.2
07...	1548	9	80513	80513	50.0	60.0	38	6.2
07...	1550	9	80513	80513	60.0	60.0	44	6.2

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUN							
07...	1530	25.5	36.0	.90	10.0	124	754
07...	1532	24.5	--	--	9.5	--	--
07...	1534	24.0	--	--	8.5	--	--
07...	1536	23.5	--	--	7.7	--	--
07...	1538	22.5	--	--	4.5	--	--
07...	1540	21.5	--	--	3.4	--	--
07...	1542	20.5	--	--	3.2	--	--
07...	1544	20.0	--	--	2.9	--	--
07...	1546	19.0	--	--	1.9	--	--
07...	1548	18.0	--	--	.9	--	--
07...	1550	17.5	--	--	.0	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JUL										
26...	1740	9	80513	80513	.00	54.0	38	7.2	32.5	13.2
26...	1741	9	80513	80010	3.00	54.0	--	--	--	--
26...	1742	9	80513	80513	7.00	54.0	34	6.6	31.5	--
26...	1744	9	80513	80513	8.00	54.0	34	6.4	30.5	--
26...	1746	9	80513	80513	10.0	54.0	34	6.4	29.5	--
26...	1748	9	80513	80513	12.0	54.0	34	6.7	28.5	--
26...	1750	9	80513	80513	20.0	54.0	38	6.7	27.5	--
26...	1752	9	80513	80513	25.0	54.0	40	6.5	26.5	--
26...	1754	9	80513	80513	30.0	54.0	36	6.4	25.5	--
26...	1756	9	80513	80513	35.0	54.0	38	6.3	24.5	--
26...	1758	9	80513	80513	40.0	54.0	40	6.3	23.5	--
26...	1759	9	80513	80513	50.0	54.0	44	6.3	23.0	--
26...	1800	9	80513	80513	54.0	54.0	48	6.5	22.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
26...	1740	.30	8.7	120	761	--	--	--	--	--
26...	1741	--	--	--	--	.050	.15	.020	15.0	<.100
26...	1742	--	8.0	--	--	--	--	--	--	--
26...	1744	--	8.0	--	--	--	--	--	--	--
26...	1746	--	7.1	--	--	--	--	--	--	--
26...	1748	--	2.5	--	--	--	--	--	--	--
26...	1750	--	.2	--	--	--	--	--	--	--
26...	1752	--	.1	--	--	--	--	--	--	--
26...	1754	--	.0	--	--	--	--	--	--	--
26...	1756	--	.0	--	--	--	--	--	--	--
26...	1758	--	.0	--	--	--	--	--	--	--
26...	1759	--	.0	--	--	--	--	--	--	--
26...	1800	--	.0	--	--	--	--	--	--	--

DATE	TIME	MEDIUM	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)
AUG								
08...	1515	9	80513	80513	.00	49.0	36	8.4
08...	1516	9	80513	80513	10.0	49.0	36	7.9
08...	1518	9	80513	80513	14.0	49.0	36	6.5
08...	1520	9	80513	80513	15.0	49.0	40	6.1
08...	1522	9	80513	80513	17.0	49.0	38	6.1
08...	1524	9	80513	80513	20.0	49.0	38	6.1
08...	1526	9	80513	80513	30.0	49.0	38	6.0
08...	1528	9	80513	80513	35.0	49.0	42	6.0
08...	1529	9	80513	80513	40.0	49.0	44	6.0
08...	1530	9	80513	80513	49.0	49.0	46	6.0

07339450 DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
AUG							
08...	1515	31.5	57.6	1.50	8.0	110	754
08...	1516	30.5	--	--	6.4	--	--
08...	1518	29.5	--	--	1.5	--	--
08...	1520	28.5	--	--	.2	--	--
08...	1522	27.5	--	--	.0	--	--
08...	1524	26.5	--	--	.0	--	--
08...	1526	25.5	--	--	.0	--	--
08...	1528	24.5	--	--	.0	--	--
08...	1529	24.0	--	--	.0	--	--
08...	1530	23.0	--	--	.0	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
SEP										
12...	1430	9	80513	80513	.00	53.0	37	6.6	29.5	60.0
12...	1431	9	80513	80010	3.00	53.0	--	--	--	--
12...	1432	9	80513	80513	10.0	53.0	37	6.7	28.5	--
12...	1434	9	80513	80513	20.0	53.0	37	6.6	27.5	--
12...	1436	9	80513	80513	22.0	53.0	50	6.3	26.5	--
12...	1438	9	80513	80513	23.0	53.0	50	6.2	25.5	--
12...	1440	9	80513	80513	30.0	53.0	52	6.1	24.5	--
12...	1442	9	80513	80513	35.0	53.0	62	6.1	23.5	--
12...	1443	9	80513	80513	40.0	53.0	66	6.1	23.0	--
12...	1444	9	80513	80513	50.0	53.0	84	6.1	22.0	--
12...	1445	9	80513	80513	53.0	53.0	102	6.1	21.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	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										
12...	1430	1.50	6.8	90	753	--	--	--	--	--
12...	1431	--	--	--	--	.020	.06	.010	7.50	<.100
12...	1432	--	6.1	--	--	--	--	--	--	--
12...	1434	--	4.9	--	--	--	--	--	--	--
12...	1436	--	.0	--	--	--	--	--	--	--
12...	1438	--	.0	--	--	--	--	--	--	--
12...	1440	--	.0	--	--	--	--	--	--	--
12...	1442	--	.0	--	--	--	--	--	--	--
12...	1443	--	.0	--	--	--	--	--	--	--
12...	1444	--	.0	--	--	--	--	--	--	--
12...	1445	--	.0	--	--	--	--	--	--	--

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 northwest of DeQueen, and at mile 22.8.

DRAINAGE AREA.--169 mi^2.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 13...	1230	0	80513	--	7.0	37	6.8	22.0	6.6
NOV 17...	1430	0	80513	--	7.0	48	7.1	13.5	8.2
DEC 01...	1320	0	80513	--	12	38	7.1	12.0	9.8
JAN 03...	1430	0	80513	--	1840	37	6.3	10.0	11.6
FEB 15...	1300	0	80513	--	280	34	7.4	6.0	11.2
MAR 08...	1335	0	80513	--	1070	41	6.6	9.0	11.2
APR 12...	1500	9	80513	80513	40	32	7.0	13.5	9.4

07339452 ROLLING FORK BELOW DEQUEEN LAKE NEAR DEQUEEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
MAY 11...	0730	9	80513	80513	12	34	7.2	16.5	8.8
JUN 07...	1500	9	80513	80513	329	42	6.5	19.0	8.1
JUL 26...	1730	9	80513	80513	460	43	6.7	24.0	6.6
AUG 08...	1445	9	80513	80513	26	38	7.1	30.5	7.2
SEP 12...	1400	9	80513	80513	9.0	44	6.1	28.5	6.2

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 downstream from Bear Creek, and 3.0 mi west of Horatio.

DRAINAGE AREA.--356 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 19...	0940	0	9827	9827	7.0	18.0	19.0	5.8	7.2	77
NOV 16...	0922	0	9827	9827	6.7	8.0	7.0	5.5	8.6	70
DEC 07...	0900	0	9827	9827	6.5	11.0	10.0	45	10.2	90
JAN 25...	0845	0	9827	9827	6.7	4.0	5.0	20	12.0	94
FEB 22...	0850	0	9827	9827	7.1	12.0	11.0	15	9.9	89
MAR 22...	0850	0	9827	9827	6.5	4.0	9.0	7.8	10.1	87
APR 19...	0840	0	9827	9827	6.6	11.0	12.0	6.5	9.1	--
MAY 17...	0900	0	9827	9827	6.4	17.0	16.0	25	7.6	--
JUN 14...	0915	0	9827	9827	6.8	26.0	23.0	7.8	7.1	--
JUL 19...	0905	0	9827	9827	6.6	24.0	22.0	9.8	7.7	--
AUG 16...	0915	0	9827	9827	6.6	27.0	26.0	20	5.9	--
SEP 20...	0900	0	9827	9827	6.8	24.0	24.0	5.2	4.9	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT 19...	0940	2.5	74	26	1.0	19	66	.09	12	--
NOV 16...	0922	1.4	40	20	4.0	13	59	.08	7	.020
DEC 07...	0900	1.6	400	--	7.0	16	51	.07	75	.340
JAN 25...	0845	.5	44	28	5.0	12	62	.08	13	.310
FEB 22...	0850	.4	92	20	5.0	9.0	50	.07	22	.190
MAR 22...	0850	1.1	20	18	6.0	13	56	.08	3	.160
APR 19...	0840	.6	4	--	4.0	6.0	48	.07	6	.110
MAY 17...	0900	1.2	110	--	4.0	5.0	52	.07	18	.130
JUN 14...	0915	1.5	36	--	--	6.0	44	.06	4	--
JUL 19...	0905	1.4	60	--	3.0	4.0	34	.05	10	.130
AUG 16...	0915	1.4	12	--	7.0	13	67	.09	8	.300
SEP 20...	0900	1.5	68	--	6.0	22	79	.11	5	.090

07339850 ROLLING FORK NEAR HORATIO, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT									
19...	0940	.220	--	.010	6	2	--	290	--
NOV									
16...	0922	.030	.050	.010	<1	2	10	50	--
DEC									
07...	0900	.080	.110	.040	<1	3	12	--	.0
JAN									
25...	0845	.040	.030	.040	<1	1	25	90	--
FEB									
22...	0850	.030	.030	.050	1	8	39	140	--
MAR									
22...	0850	.010	.020	<.010	<1	<1	<10	60	--
APR									
19...	0840	.020	.030	<.010	--	<1	--	30	--
MAY									
17...	0900	.070	.060	<.010	<1	1	--	30	--
JUN									
14...	0915	.060	.030	--	<1	<1	--	70	--
JUL									
19...	0905	.120	.040	.010	<1	<1	20	--	--
AUG									
16...	0915	.110	.070	.020	<1	<1	18	50	--
SEP									
20...	0900	.050	.040	.010	<1	<1	15	50	--

DATE	TIME	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)
DEC									
07...	0900	.000	.000	.000	.000	.000	.00	.00	.0

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 downstream from Rolling Fork, 2.0 mi southwest of Horatio, 28.5 mi upstream from Cossatot River, and at mile 72.0.

DRAINAGE AREA.--2,662 mi^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 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 upstream at present datum.

REMARKS.--Records good. Some regulation since Oct. 3, 1968, by Broken Bow Lake (Oklahoma), 31.4 mi upstream, capacity, 1,368,000 acre-ft, and since June 1, 1969, by Pine Creek Lake (Oklahoma), 73.3 mi upstream, capacity, 465,800 acre-ft.

AVERAGE DISCHARGE.--53 years, 3,758 ft^3/s, 2,723,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 120,000 ft^3/s Mar. 30, 1945, gage height, 37.70 ft, from rating curve extended above 93,000 ft^3/s; minimum, 1.0 ft^3/s Aug. 18 to Sept. 1, 1934.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1915, reached a stage of 38.0 ft, discharge, 124,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 46,000 ft^3/s July 3, gage height, 31.25 ft; minimum daily, 192 ft^3/s Oct. 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	485	229	3560	9760	1980	3780	2680	1420	9160	5580	2990	915
2	356	897	5460	9050	3430	1710	2500	1320	7330	23100	2820	767
3	213	932	29000	9900	5240	1520	2070	7420	5870	31200	2510	704
4	198	838	35400	11600	5080	4030	2030	9290	4990	17100	2520	392
5	192	1100	24900	11700	4180	16100	4510	9210	3280	15600	3320	262
6	207	587	18600	9970	3130	16600	3870	10300	3770	19700	2850	243
7	381	427	11800	8060	3130	13200	5250	10500	3690	9930	2410	331
8	684	361	9860	5200	3770	10900	5510	10500	4540	7360	1820	775
9	637	367	11800	2530	3450	11000	4400	10100	4640	9930	2600	1270
10	381	354	13400	1480	4810	12100	2140	6480	4240	10100	2690	2330
11	249	414	16200	2670	5190	12900	1770	5760	2810	9950	3370	1410
12	224	378	17100	2460	4440	12400	1730	8560	1210	9840	2020	483
13	353	418	14400	1990	3320	11300	1280	10500	776	9860	1360	407
14	304	367	14300	1380	2870	10800	1490	9700	1120	9940	1730	306
15	264	269	16500	1060	2830	9270	3380	16900	774	8260	1160	396
16	579	492	16400	885	1970	6740	4540	20800	619	6740	915	317
17	349	403	15100	816	1840	5010	1900	16600	530	6640	726	475
18	214	681	12600	837	1940	4220	1520	12000	520	7120	614	340
19	202	319	9760	1040	1490	3750	3230	7460	473	4240	725	239
20	339	345	6710	1160	1170	1510	4030	8910	407	3360	780	373
21	292	344	8900	994	1360	1100	1930	12200	1320	3160	1000	307
22	212	270	7180	825	2470	2370	1570	14500	695	3460	1890	376
23	762	487	6580	697	2880	1990	5720	13300	866	3750	1200	309
24	375	378	6380	620	3400	2480	5000	14000	1650	4130	1020	379
25	216	391	5680	1650	5610	2020	2660	15100	1770	3780	1720	310
26	201	468	4560	838	5560	1940	2920	15000	1140	3500	2070	225
27	235	8420	6680	1100	3560	1410	2910	14600	953	3530	2160	300
28	261	17600	14100	1230	2720	1520	2810	14300	1290	3210	2500	445
29	215	14300	15700	725	---	2130	2430	13400	3760	2990	2960	608
30	348	7280	15500	922	---	2540	2050	12400	4570	1790	2600	521
31	340	---	12900	1020	---	3330	---	11900	---	1460	1340	---
TOTAL	10268	60116	407010	104169	92820	191670	89830	344430	78763	260310	60390	16515
MEAN	331	2004	13130	3360	3315	6183	2994	11110	2625	8397	1948	551
MAX	762	17600	35400	11700	5610	16600	5720	20800	9160	31200	3370	2330
MIN	192	229	3560	620	1170	1100	1280	1320	407	1460	614	225
AC-FT	20370	119200	807300	206600	184100	380200	178200	683200	156200	516300	119800	32760

CAL YR 1982 TOTAL 1698739 MEAN 4654 MAX 35400 MIN 192 AC-FT 3369000
WTR YR 1983 TOTAL 1716291 MEAN 4702 MAX 35400 MIN 192 AC-FT 3404000

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 19...	0930	0	9827	9827	203	6.9	18.0	18.0	3.0	8.5
NOV 16...	0910	0	9827	9827	640	7.0	7.0	10.0	3.6	10.3
DEC 07...	0840	0	9827	9827	13000	6.6	11.0	12.0	35	7.2
JAN 25...	0830	0	9827	9827	2300	6.9	2.0	5.0	20	11.7
FEB 22...	0910	0	9827	9827	2410	7.4	12.0	11.0	20	9.7
MAR 22...	0910	0	9827	9827	2680	6.8	5.0	9.0	8.8	10.2
APR 20...	0830	0	9827	9827	5010	7.0	11.0	12.0	8.5	9.2
MAY 17...	0845	0	9827	9827	17200	6.5	15.0	16.0	100	6.5
JUN 14...	0845	0	9827	9827	1130	6.8	26.0	25.0	20	6.9
JUL 19...	0840	0	9827	9827	4350	6.8	24.0	25.0	20	6.9
AUG 16...	0845	0	9827	9827	1010	6.6	26.0	24.0	8.0	8.3
SEP 20...	0845	0	9827	9827	237	6.8	24.0	24.0	4.3	7.2

DATE	TIME	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 19...	0930	89	1.1	4	16	4.0	13	59	.08	3
NOV 16...	0910	91	1.0	4	20	10	14	80	.11	4
DEC 07...	0840	67	1.7	280	20	9.0	5.5	74	.10	37
JAN 25...	0830	91	.5	28	30	11	14	80	.11	33
FEB 22...	0910	87	1.6	110	26	6.0	11	76	.10	19
MAR 22...	0910	88	.7	4	16	5.0	6.5	42	.06	4
APR 20...	0830	--	.3	4	--	5.0	5.0	55	.07	10
MAY 17...	0845	--	2.1	790	--	4.0	4.5	71	.10	95
JUN 14...	0845	--	1.1	16	--	--	13	63	.09	5
JUL 19...	0840	--	1.2	16	--	8.0	8.5	64	.09	19
AUG 16...	0845	--	1.5	>600	--	6.0	9.0	60	.08	14
SEP 20...	0845	--	1.4	12	--	8.0	15	62	.08	6

07340000 LITTLE RIVER NEAR HORATIO, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT										
19...	0930	--	.200	--	.010	<1	<1	--	90	.0
NOV										
16...	0910	.040	.050	.040	.010	<1	<1	<10	40	--
DEC										
07...	0840	.240	.040	.150	.060	<1	4	18	--	--
JAN										
25...	0830	.250	.060	.070	.060	<1	<1	36	120	--
FEB										
22...	0910	.170	.090	.070	.060	<1	3	38	70	--
MAR										
22...	0910	.250	.040	.020	.010	<1	2	<10	50	--
APR										
20...	0830	.140	.020	.040	<.010	--	<1	--	50	--
MAY										
17...	0845	.130	.100	.150	.070	<1	2	--	70	--
JUN										
14...	0845	--	.090	.040	--	<1	<1	--	60	--
JUL										
19...	0840	.250	.100	.060	.030	<1	1	32	--	--
AUG										
16...	0845	.280	.060	.040	<.010	<1	<1	26	50	--
SEP										
20...	0845	.100	.080	.030	.010	<1	<1	<10	40	--

DATE	TIME	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)
OCT									
19...	0930	.000	.000	.000	.000	.000	.00	.00	.0

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 downstream from Brushy Creek, 3.2 mi upstream from Flat Creek, and 7.5 mi east of Vandervoort.

DRAINAGE AREA.--89.6 mi^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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--16 years, 195 ft^3/s, 29.55 in/yr, 141,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,000 ft^3/s Dec. 2, 1982, gage height, 19.50 ft, from rating curve extended above 11,000 ft^3/s on basis of step-backwater computations; minimum, 7.2 ft^3/s Aug. 28, 29, 30, 31, 1972, gage height, 1.67 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 6, 1961, reached a stage of about 23.0 ft from information by local resident, discharge, about 48,000 ft^3/s.

EMTREMES FOR CURRENT YEAR.--Peak discharge above base of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 27	1145	12,000	13.13	May 14	1930	14,600	14.18
Dec. 2	2045	*32,000	19.50	July 2	1445	5,330	9.66
May 2	2200	10,600	12.52				

Minimum discharge, 9.4 ft^3/s Oct. 1-4, Sept. 14-15, 30, gage height 1.81 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	20	185	168	893	109	105	120	73	200	23	15
2	11	253	7250	147	425	97	232	1560	66	3130	19	14
3	11	125	10000	132	277	88	202	2270	76	1010	18	12
4	12	66	1300	126	205	817	172	626	366	377	16	12
5	14	44	570	114	184	988	178	342	187	568	16	11
6	16	34	331	104	170	455	185	228	138	293	16	11
7	25	28	226	96	166	286	171	185	107	179	16	11
8	25	25	170	88	168	209	151	147	84	125	25	11
9	39	23	145	81	177	165	132	116	72	96	73	11
10	23	22	143	73	183	137	113	144	60	84	31	10
11	18	21	1090	64	171	116	98	1010	50	76	23	10
12	16	24	710	58	149	102	90	844	45	70	19	11
13	16	26	405	55	130	94	704	425	40	65	19	9.9
14	15	23	282	54	121	88	666	3300	35	60	18	9.6
15	14	22	210	50	110	81	334	2770	35	50	16	9.5
16	15	21	163	48	98	75	227	790	30	45	15	11
17	10	21	141	47	88	73	177	404	30	45	14	11
18	10	22	133	46	80	66	149	457	25	70	14	11
19	16	26	120	44	74	61	127	558	25	55	13	11
20	18	64	110	45	71	66	117	318	20	45	12	16
21	20	60	105	44	154	58	100	346	20	35	12	19
22	17	53	100	45	758	53	115	403	20	30	11	14
23	16	556	95	43	481	50	944	271	20	30	11	12
24	15	173	205	40	312	48	457	192	20	25	11	12
25	15	106	372	39	223	46	290	147	15	20	27	11
26	15	1570	266	42	172	80	212	119	15	18	16	11
27	15	5910	1090	46	144	127	168	121	15	18	13	11
28	18	1050	887	43	124	106	141	112	15	17	13	11
29	44	416	434	44	---	91	122	94	902	16	12	10
30	28	258	285	44	---	91	122	83	248	28	13	10
31	22	---	211	115	---	84	---	81	---	36	17	---
TOTAL	561	11062	27734	2185	6308	5007	7001	18583	2854	6916	572	349.0
MEAN	18.1	369	895	70.5	225	162	233	599	95.1	223	18.5	11.6
MAX	44	5910	10000	168	893	988	944	3300	902	3130	73	19
MIN	10	20	95	39	71	46	90	81	15	16	11	9.5
CFSM	.20	4.12	9.99	.79	2.51	1.81	2.60	6.69	1.06	2.49	.21	.13
IN.	.23	4.59	11.51	.91	2.62	2.08	2.91	7.72	1.18	2.87	.24	.14
AC-FT	1110	21940	55010	4330	12510	9930	13890	36860	5660	13720	1130	692

CAL YR 1982 TOTAL 88127.0 MEAN 241 MAX 10000 MIN 10 CFSM 2.69 IN 36.59 AC-FT 174800
WTR YR 1983 TOTAL 89132.0 MEAN 244 MAX 10000 MIN 9.5 CFSM 2.72 IN 37.01 AC-FT 176800

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 northeast of Gillham, and at mile 49.0.

DRAINAGE AREA.--273 mi^2.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT											
14...	0930	0	80513	.00	38.0	36	6.5	22.0	38.0	1.00	5.2
14...	0935	0	80513	10.0	38.0	39	6.5	22.0	--	--	5.2
14...	0940	0	80513	20.0	38.0	40	6.5	22.0	--	--	5.2
14...	0945	0	80513	30.0	38.0	42	6.5	22.0	--	--	5.2
14...	0950	0	80513	38.0	38.0	44	6.5	22.0	--	--	4.8

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
NOV							
18...	0900	0	80513	.00	35.0	45	7.0
18...	0905	0	80513	10.0	35.0	45	6.7
18...	0910	0	80513	20.0	35.0	45	6.7
18...	0915	0	80513	30.0	35.0	45	6.7
18...	0920	0	80513	35.0	35.0	45	6.7

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
18...	0900	13.5	42.0	1.10	8.4	82	753
18...	0905	13.5	--	--	8.3	--	--
18...	0910	13.5	--	--	8.3	--	--
18...	0915	13.5	--	--	8.3	--	--
18...	0920	13.5	--	--	8.4	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
DEC							
02...	0845	0	80513	.00	62.0	34	6.7
02...	0846	0	80513	10.0	62.0	32	6.7
02...	0848	0	80513	20.0	62.0	30	6.7
02...	0850	0	80513	30.0	62.0	30	6.8
02...	0852	0	80513	40.0	62.0	30	6.8
02...	0853	0	80513	50.0	62.0	30	6.8
02...	0854	0	80513	60.0	62.0	26	6.8
02...	0855	0	80513	62.0	62.0	26	6.7

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC							
02...	0845	12.5	9.6	.20	9.2	88	745
02...	0846	12.0	--	--	9.1	--	--
02...	0848	12.0	--	--	9.1	--	--
02...	0850	12.0	--	--	9.0	--	--
02...	0852	12.0	--	--	9.0	--	--
02...	0853	12.0	--	--	9.0	--	--
02...	0854	12.0	--	--	9.1	--	--
02...	0855	12.0	--	--	9.1	--	--

07340450 GILLHAM LAKE NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
JAN							
04...	0800	0	80513	.00	76.0	30	6.0
04...	0805	0	80513	10.0	76.0	30	6.0
04...	0810	0	80513	20.0	76.0	30	6.0
04...	0815	0	80513	30.0	76.0	30	6.0
04...	0820	0	80513	40.0	76.0	30	6.0
04...	0825	0	80513	50.0	76.0	30	6.0
04...	0830	0	80513	60.0	76.0	30	6.0
04...	0835	0	80513	70.0	76.0	30	6.0
04...	0840	0	80513	76.0	76.0	30	6.0

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
04...	0800	11.0	21.6	.60	8.5	77	761
04...	0805	11.0	--	--	8.5	--	--
04...	0810	11.0	--	--	8.5	--	--
04...	0815	11.0	--	--	8.5	--	--
04...	0820	11.0	--	--	8.5	--	--
04...	0825	11.0	--	--	8.5	--	--
04...	0830	10.0	--	--	8.5	--	--
04...	0835	10.0	--	--	9.5	--	--
04...	0840	10.0	--	--	9.8	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
FEB							
15...	1230	0	80513	.00	47.0	34	7.5
15...	1235	0	80513	10.0	47.0	34	7.5
15...	1240	0	80513	20.0	47.0	34	7.5
15...	1245	0	80513	30.0	47.0	34	7.2
15...	1250	0	80513	40.0	47.0	30	7.2
15...	1255	0	80513	47.0	47.0	30	7.2

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
FEB							
15...	1230	9.0	48.0	1.20	9.8	83	779
15...	1235	8.0	--	--	9.8	--	--
15...	1240	7.0	--	--	9.8	--	--
15...	1245	6.5	--	--	9.8	--	--
15...	1250	6.5	--	--	8.4	--	--
15...	1255	6.5	--	--	8.4	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
MAR							
09...	0900	0	80513	.00	52.0	32	6.9
09...	0905	0	80513	10.0	52.0	32	6.8
09...	0910	0	80513	20.0	52.0	32	6.8
09...	0915	0	80513	30.0	52.0	32	6.8
09...	0920	0	80513	40.0	52.0	34	6.8
09...	0925	0	80513	48.0	52.0	34	6.8
09...	0930	0	80513	50.0	52.0	36	6.8
09...	0935	0	80513	52.0	52.0	36	6.8

07340450 GILLHAM LAKE NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
09...	0900	13.0	32.4	.80	9.4	90	752
09...	0905	13.0	--	--	9.4	--	--
09...	0910	13.0	--	--	9.4	--	--
09...	0915	13.0	--	--	9.4	--	--
09...	0920	12.0	--	--	9.2	--	--
09...	0925	11.0	--	--	9.0	--	--
09...	0930	10.5	--	--	8.9	--	--
09...	0935	10.5	--	--	8.5	--	--

DATE	TIME	MEDIUM	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)
APR								
12...	1345	9	80513	80513	.00	43.0	30	7.8
12...	1350	9	80513	80513	10.0	43.0	30	7.8
12...	1355	9	80513	80513	20.0	43.0	30	7.8
12...	1400	9	80513	80513	30.0	43.0	30	7.7
12...	1405	9	80513	80513	40.0	43.0	30	7.7
12...	1410	9	80513	80513	43.0	43.0	32	7.6

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR							
12...	1345	14.0	62.4	1.60	10.0	99	746
12...	1350	13.0	--	--	10.8	--	--
12...	1355	12.5	--	--	10.4	--	--
12...	1400	12.0	--	--	8.6	--	--
12...	1405	12.0	--	--	8.1	--	--
12...	1410	11.5	--	--	7.7	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
MAY										
10...	1330	9	80513	80513	.00	48.0	31	6.9	21.0	54.0
10...	1331	9	80513	80010	3.00	48.0	--	--	--	--
10...	1332	9	80513	80513	10.0	48.0	32	6.8	20.0	--
10...	1334	9	80513	80513	16.0	48.0	32	7.8	19.0	--
10...	1336	9	80513	80513	20.0	48.0	32	7.3	18.0	--
10...	1338	9	80513	80513	25.0	48.0	30	7.2	17.0	--
10...	1340	9	80513	80513	30.0	48.0	30	7.2	16.0	--
10...	1342	9	80513	80513	40.0	48.0	30	7.3	15.0	--
10...	1345	9	80513	80513	48.0	48.0	30	7.3	15.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
10...	1330	1.40	9.2	105	753	--	--	--	--	--
10...	1331	--	--	--	--	.010	.03	<.010	2.80	.800
10...	1332	--	8.9	--	--	--	--	--	--	--
10...	1334	--	6.5	--	--	--	--	--	--	--
10...	1336	--	6.3	--	--	--	--	--	--	--
10...	1338	--	6.2	--	--	--	--	--	--	--
10...	1340	--	6.2	--	--	--	--	--	--	--
10...	1342	--	6.2	--	--	--	--	--	--	--
10...	1345	--	6.2	--	--	--	--	--	--	--

07340450 GILLHAM LAKE NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
JUN								
08...	0845	9	80513	80513	.00	47.0	34	7.7
08...	0846	9	80513	80513	10.0	47.0	34	7.7
08...	0848	9	80513	80513	11.0	47.0	34	7.2
08...	0850	9	80513	80513	15.0	47.0	36	6.8
08...	0852	9	80513	80513	20.0	47.0	36	6.7
08...	0854	9	80513	80513	25.0	47.0	35	6.7
08...	0856	9	80513	80513	30.0	47.0	34	6.6
08...	0858	9	80513	80513	40.0	47.0	35	6.6
08...	0900	9	80513	80513	47.0	47.0	36	6.6

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JUN							
08...	0845	24.5	70.8	1.80	8.4	102	753
08...	0846	24.5	--	--	8.3	--	--
08...	0848	23.5	--	--	7.9	--	--
08...	0850	22.5	--	--	4.0	--	--
08...	0852	21.5	--	--	4.2	--	--
08...	0854	20.5	--	--	3.5	--	--
08...	0856	19.5	--	--	3.1	--	--
08...	0858	18.5	--	--	3.1	--	--
08...	0900	18.0	--	--	3.0	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JUL										
26...	1640	9	80513	80513	.00	40.0	44	9.3	31.5	14.4
26...	1641	9	80513	80010	3.00	40.0	--	--	--	--
26...	1642	9	80513	80513	8.00	40.0	40	8.8	30.5	--
26...	1644	9	80513	80513	10.0	40.0	40	8.0	29.5	--
26...	1646	9	80513	80513	11.0	40.0	40	7.3	28.5	--
26...	1648	9	80513	80513	14.0	40.0	40	6.6	27.5	--
26...	1650	9	80513	80513	15.0	40.0	40	6.5	26.5	--
26...	1652	9	80513	80513	20.0	40.0	40	6.4	25.5	--
26...	1653	9	80513	80513	25.0	40.0	38	6.3	24.5	--
26...	1654	9	80513	80513	30.0	40.0	38	6.3	23.5	--
26...	1655	9	80513	80513	40.0	40.0	38	6.2	22.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
26...	1640	.40	9.0	122	761	--	--	--	--	--
26...	1641	--	--	--	--	.030	.09	.010	15.0	<.100
26...	1642	--	7.9	--	--	--	--	--	--	--
26...	1644	--	7.4	--	--	--	--	--	--	--
26...	1646	--	5.6	--	--	--	--	--	--	--
26...	1648	--	.0	--	--	--	--	--	--	--
26...	1650	--	.0	--	--	--	--	--	--	--
26...	1652	--	.0	--	--	--	--	--	--	--
26...	1653	--	.0	--	--	--	--	--	--	--
26...	1654	--	.0	--	--	--	--	--	--	--
26...	1655	--	.0	--	--	--	--	--	--	--

07340450 GILLHAM LAKE NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
AUG								
08...	1345	9	80513	80513	.00	33.0	36	7.8
08...	1346	9	80513	80513	10.0	33.0	36	7.3
08...	1348	9	80513	80513	15.0	33.0	36	6.1
08...	1350	9	80513	80513	16.0	33.0	38	6.0
08...	1352	9	80513	80513	20.0	33.0	40	6.0
08...	1353	9	80513	80513	25.0	33.0	40	6.0
08...	1354	9	80513	80513	30.0	33.0	40	6.0
08...	1355	9	80513	80513	33.0	33.0	46	6.0

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
AUG							
08...	1345	31.5	54.0	1.40	7.2	99	754
08...	1346	30.5	--	--	6.2	--	--
08...	1348	29.5	--	--	6.4	--	--
08...	1350	28.5	--	--	.1	--	--
08...	1352	27.5	--	--	.0	--	--
08...	1353	26.5	--	--	.0	--	--
08...	1354	25.5	--	--	.0	--	--
08...	1355	24.5	--	--	.0	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
SEP										
12...	1330	9	80513	80513	.00	30.0	38	6.4	29.0	45.6
12...	1331	9	80513	80010	3.00	30.0	--	--	--	--
12...	1332	9	80513	80513	10.0	30.0	38	6.4	28.0	--
12...	1334	9	80513	80513	20.0	30.0	40	6.4	27.5	--
12...	1336	9	80513	80513	25.0	30.0	58	6.2	26.5	--
12...	1338	9	80513	80513	28.0	30.0	58	6.2	25.5	--
12...	1340	9	80513	80513	30.0	30.0	62	6.2	24.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	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										
12...	1330	1.20	6.0	79	754	--	--	--	--	--
12...	1331	--	--	--	--	.020	.06	<.010	5.00	.600
12...	1332	--	5.6	--	--	--	--	--	--	--
12...	1334	--	.6	--	--	--	--	--	--	--
12...	1336	--	.1	--	--	--	--	--	--	--
12...	1338	--	.0	--	--	--	--	--	--	--
12...	1340	--	.0	--	--	--	--	--	--	--

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 northeast of Gillham, and at mile 49.0.

DRAINAGE AREA.--273 mi^2.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 14...	0830	0	80513	--	20	38	6.5	19.5	7.6
NOV 18...	0830	0	80513	--	20	49	6.9	13.5	9.1
DEC 02...	0800	0	80513	--	2910	33	6.4	12.0	10.4
JAN 04...	0730	0	80513	--	2840	30	6.0	10.5	11.4
FEB 15...	1200	0	80513	--	475	32	7.6	6.5	11.6
MAR 09...	0845	0	80513	--	1910	32	6.8	10.5	11.6
APR 12...	1300	9	80513	80513	95	30	7.8	14.0	10.0

07340452 COSSATOT RIVER BELOW GILLHAM DAM NEAR GILLHAM, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY 10...	1300	9	80513	80513	1640	31	6.2	16.5	10.0
DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 08...	0800	9	80513	80513	866	39	6.7	18.5	8.6
DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL 26...	1625	9	80513	80513	668	40	6.3	24.0	6.3
DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG 08...	1315	9	80513	80513	344	48	6.6	24.0	6.8
DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 12...	1300	9	80513	80513	.00	40	6.4	29.0	7.0

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 west of Lockesburg.

DRAINAGE AREA.--385 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 19...	1000	0	9827	9827	6.9	16.0	16.0	10	8.5	85
NOV 16...	0945	0	9827	9827	6.9	8.0	8.0	3.4	9.9	83
DEC 07...	0940	0	9827	9827	6.6	12.0	11.0	35	10.5	94
JAN 25...	0915	0	9827	9827	6.6	4.0	5.0	15	11.5	90
FEB 22...	0825	0	9827	9827	7.0	12.0	11.0	40	10.1	91
MAR 22...	0830	0	9827	9827	6.5	5.0	9.0	15	10.3	89
APR 19...	0910	0	9827	9827	6.6	11.0	12.0	5.0	9.5	--
MAY 17...	0930	0	9827	9827	6.5	19.0	16.0	65	9.3	--
JUN 14...	0940	0	9827	9827	6.6	24.0	23.0	5.0	7.7	--
JUL 19...	0935	0	9827	9827	6.6	26.0	24.0	6.5	7.6	--
AUG 16...	0945	0	9827	9827	6.7	27.0	27.0	4.5	6.9	--
SEP 20...	0940	0	9827	9827	6.9	25.0	24.0	2.8	6.7	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT 19...	1000	1.1	60	14	<1.0	4.0	33	.04	6	--
NOV 16...	0945	1.4	430	24	5.0	6.0	57	.08	2	.100
DEC 07...	0940	1.3	210	18	6.0	2.5	48	.07	28	.260
JAN 25...	0915	.4	28	22	4.0	7.5	49	.07	10	.560
FEB 22...	0825	1.0	480	16	5.0	5.5	64	.09	22	.160
MAR 22...	0830	1.0	14	14	5.0	4.0	40	.05	7	.220
APR 19...	0910	.8	56	--	3.0	2.5	47	.06	4	.100
MAY 17...	0930	1.9	520	--	3.0	3.5	58	.08	46	.150
JUN 14...	0940	1.5	12	--	--	3.5	33	.04	4	--
JUL 19...	0935	1.1	44	--	3.0	3.5	39	.05	6	.190
AUG 16...	0945	1.4	96	--	4.0	3.5	43	.06	5	.260
SEP 20...	0940	2.0	230	--	2.0	4.0	37	.05	2	.070

07340520 COSSATOT RIVER NEAR LOCKESBURG, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT 19...	1000	.210	--	.010	<1	<1	--	70	--
NOV 16...	0945	.040	.040	.020	<1	4	<10	50	.0
DEC 07...	0940	.040	.070	.040	<1	1	15	--	--
JAN 25...	0915	.050	.030	.050	<1	<1	16	60	--
FEB 22...	0825	.030	.070	.060	<1	<1	52	80	--
MAR 22...	0830	.020	.020	<.010	<1	<1	<10	50	--
APR 19...	0910	.010	.020	<.010	--	<1	--	40	--
MAY 17...	0930	.050	.080	.010	<1	1	--	70	--
JUN 14...	0940	.040	.010	--	<1	<1	--	70	--
JUL 19...	0935	.070	.030	.010	<1	<1	27	--	--
AUG 16...	0945	.050	.030	<.010	<1	5	19	80	--
SEP 20...	0940	.010	.030	.010	<1	<1	19	50	--

DATE	TIME	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)
NOV 16...	0945	.000	.000	.000	.000	.000	.00	.00	.0

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 upstream from Bluff Creek, 5.0 mi northwest of Dierks, and at mile 56.6.

DRAINAGE AREA.--113 mi^2.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT											
14...	1030	0	80513	.00	67.0	44	6.5	22.0	64.0	1.60	5.0
14...	1032	0	80513	10.0	67.0	44	6.3	22.0	--	--	4.7
14...	1034	0	80513	20.0	67.0	44	6.3	22.0	--	--	4.7
14...	1036	0	80513	25.0	67.0	56	6.3	21.0	--	--	2.4
14...	1038	0	80513	27.0	67.0	64	6.3	20.0	--	--	.1
14...	1040	0	80513	30.0	67.0	64	6.2	19.5	--	--	.0
14...	1042	0	80513	35.0	67.0	64	6.2	18.5	--	--	.0
14...	1044	0	80513	40.0	67.0	72	6.6	18.0	--	--	.0
14...	1046	0	80513	50.0	67.0	84	6.6	17.0	--	--	.0
14...	1048	0	80513	60.0	67.0	98	6.8	16.0	--	--	.0
14...	1050	0	80513	67.0	67.0	110	6.8	15.5	--	--	.0

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
NOV							
18...	1015	0	80513	.00	60.0	46	6.6
18...	1016	0	80513	10.0	60.0	46	6.5
18...	1018	0	80513	20.0	60.0	46	6.4
18...	1020	0	80513	30.0	60.0	46	6.4
18...	1022	0	80513	40.0	60.0	46	6.4
18...	1024	0	80513	50.0	60.0	46	6.4
18...	1025	0	80513	60.0	60.0	46	6.4

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
18...	1015	14.5	54.0	1.40	5.7	57	753
18...	1016	14.5	--	--	5.5	--	--
18...	1018	14.5	--	--	5.5	--	--
18...	1020	14.5	--	--	5.5	--	--
18...	1022	14.5	--	--	5.5	--	--
18...	1024	14.5	--	--	5.5	--	--
18...	1025	14.0	--	--	5.5	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
DEC							
02...	1345	0	80513	.00	67.0	40	7.0
02...	1346	0	80513	10.0	67.0	40	7.0
02...	1348	0	80513	20.0	67.0	40	7.0
02...	1350	0	80513	30.0	67.0	40	7.0
02...	1352	0	80513	40.0	67.0	40	7.0
02...	1353	0	80513	50.0	67.0	40	7.0
02...	1354	0	80513	60.0	67.0	42	7.1
02...	1355	0	80513	67.0	67.0	42	7.1

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC							
02...	1345	15.0	25.2	.60	8.2	84	742
02...	1346	15.0	--	--	8.1	--	--
02...	1348	15.0	--	--	8.1	--	--
02...	1350	15.0	--	--	8.1	--	--
02...	1352	15.0	--	--	8.1	--	--
02...	1353	15.0	--	--	8.1	--	--
02...	1354	15.0	--	--	7.9	--	--
02...	1355	15.0	--	--	7.9	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
JAN							
04...	0930	0	80513	.00	86.0	34	6.2
04...	0935	0	80513	10.0	86.0	34	6.1
04...	0940	0	80513	20.0	86.0	34	6.1
04...	0945	0	80513	30.0	86.0	34	6.1
04...	0950	0	80513	40.0	86.0	34	6.0
04...	0955	0	80513	50.0	86.0	34	6.0
04...	1000	0	80513	60.0	86.0	34	6.0
04...	1005	0	80513	70.0	86.0	36	6.0
04...	1010	0	80513	80.0	86.0	38	6.0
04...	1015	0	80513	86.0	86.0	38	6.0

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
04...	0930	10.5	16.8	.40	7.0	63	758
04...	0935	10.5	--	--	6.9	--	--
04...	0940	10.5	--	--	6.9	--	--
04...	0945	10.5	--	--	6.9	--	--
04...	0950	10.5	--	--	6.9	--	--
04...	0955	10.5	--	--	6.8	--	--
04...	1000	10.5	--	--	6.6	--	--
04...	1005	10.0	--	--	6.6	--	--
04...	1010	9.5	--	--	7.1	--	--
04...	1015	9.0	--	--	7.2	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
FEB							
15...	1100	0	80513	.00	64.0	36	7.2
15...	1105	0	80513	10.0	64.0	36	7.3
15...	1110	0	80513	20.0	64.0	36	7.3
15...	1115	0	80513	30.0	64.0	36	7.3
15...	1120	0	80513	40.0	64.0	38	7.3
15...	1125	0	80513	50.0	64.0	38	7.3
15...	1130	0	80513	60.0	64.0	40	7.3
15...	1135	0	80513	64.0	64.0	40	7.3

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
FEB							
15...	1100	7.0	38.4	1.00	9.6	77	779
15...	1105	6.5	--	--	9.4	--	--
15...	1110	6.5	--	--	9.4	--	--
15...	1115	6.5	--	--	8.9	--	--
15...	1120	6.5	--	--	8.6	--	--
15...	1125	6.5	--	--	8.6	--	--
15...	1130	6.5	--	--	8.7	--	--
15...	1135	6.5	--	--	8.7	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
MAR							
09...	1130	0	80513	.00	65.0	36	6.8
09...	1132	0	80513	10.0	65.0	36	6.8
09...	1134	0	80513	20.0	65.0	36	6.8
09...	1136	0	80513	30.0	65.0	36	6.8
09...	1138	0	80513	40.0	65.0	38	6.8
09...	1140	0	80513	45.0	65.0	38	6.8
09...	1142	0	80513	50.0	65.0	38	6.8
09...	1144	0	80513	60.0	65.0	38	6.8
09...	1145	0	80513	65.0	65.0	40	6.8

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
09...	1130	12.5	42.0	1.10	10.0	95	753
09...	1132	12.5	--	--	10.0	--	--
09...	1134	12.5	--	--	10.0	--	--
09...	1136	12.5	--	--	10.0	--	--
09...	1138	11.5	--	--	9.2	--	--
09...	1140	10.5	--	--	8.8	--	--
09...	1142	10.0	--	--	8.6	--	--
09...	1144	9.0	--	--	8.0	--	--
09...	1145	9.0	--	--	8.0	--	--

DATE	TIME	MEDIUM	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)
APR								
12...	1130	9	80513	80513	.00	64.0	34	7.2
12...	1135	9	80513	80513	10.0	64.0	34	7.2
12...	1140	9	80513	80513	20.0	64.0	34	7.2
12...	1145	9	80513	80513	30.0	64.0	36	7.1
12...	1150	9	80513	80513	40.0	64.0	36	7.1
12...	1155	9	80513	80513	50.0	64.0	38	7.1
12...	1200	9	80513	80513	60.0	64.0	38	7.0
12...	1205	9	80513	80513	64.0	64.0	38	7.0

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR							
12...	1130	13.5	57.6	1.50	9.6	94	744
12...	1135	12.5	--	--	9.2	--	--
12...	1140	12.0	--	--	9.0	--	--
12...	1145	11.0	--	--	8.8	--	--
12...	1150	10.5	--	--	8.4	--	--
12...	1155	9.5	--	--	8.4	--	--
12...	1200	9.0	--	--	7.6	--	--
12...	1205	9.0	--	--	7.6	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)
MAY							
10...	1131	9	80513	80010	3.00	64.0	--
10...	1132	9	80513	80513	10.0	64.0	40
10...	1134	9	80513	80513	17.0	64.0	40
10...	1136	9	80513	80513	20.0	64.0	40
10...	1138	9	80513	80513	22.0	64.0	42
10...	1140	9	80513	80513	27.0	64.0	42
10...	1142	9	80513	80513	30.0	64.0	42
10...	1144	9	80513	80513	40.0	64.0	46
10...	1146	9	80513	80513	50.0	64.0	48
10...	1148	9	80513	80513	60.0	64.0	50
10...	1150	9	80513	80513	64.0	64.0	50

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
MAY							
10...	1131	--	--	--	.020	.06	<.010
10...	1132	7.4	19.5	9.5	--	--	--
10...	1134	6.7	18.5	7.6	--	--	--
10...	1136	6.5	17.5	6.7	--	--	--
10...	1138	6.4	16.5	6.4	--	--	--
10...	1140	6.4	15.5	6.2	--	--	--
10...	1142	6.4	14.5	6.1	--	--	--
10...	1144	6.4	13.5	5.8	--	--	--
10...	1146	6.3	12.5	3.9	--	--	--
10...	1148	6.2	12.0	1.9	--	--	--
10...	1150	6.2	11.5	1.5	--	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN										
08...	1202	9	80513	80513	10.0	63.0	36	7.8	24.0	8.2
08...	1204	9	80513	80513	13.0	63.0	36	6.9	23.0	5.6
08...	1206	9	80513	80513	14.0	63.0	37	6.5	22.0	2.7
08...	1208	9	80513	80513	16.0	63.0	37	6.4	21.0	1.1
08...	1210	9	80513	80513	18.0	63.0	36	6.4	20.0	.9
08...	1212	9	80513	80513	20.0	63.0	36	6.3	19.5	1.0
08...	1214	9	80513	80513	29.0	63.0	34	6.4	18.5	1.8
08...	1216	9	80513	80513	30.0	63.0	34	6.4	18.5	1.9
08...	1218	9	80513	80513	40.0	63.0	35	6.4	18.5	1.7
08...	1220	9	80513	80513	50.0	63.0	37	6.4	18.0	1.0
08...	1222	9	80513	80513	60.0	63.0	42	6.4	17.5	.0
08...	1225	9	80513	80513	63.0	63.0	46	6.5	17.0	.0

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JUL										
26...	1510	9	80513	80513	.00	65.0	40	9.2	31.5	14.4
26...	1511	9	80513	80010	3.00	65.0	--	--	--	--
26...	1512	9	80513	80513	8.00	65.0	40	7.4	30.5	--
26...	1514	9	80513	80513	10.0	65.0	40	6.9	29.5	--
26...	1516	9	80513	80513	11.0	65.0	40	6.6	28.5	--
26...	1518	9	80513	80513	13.0	65.0	40	6.2	27.5	--
26...	1520	9	80513	80513	14.0	65.0	42	6.2	26.5	--
26...	1522	9	80513	80513	16.0	65.0	42	6.1	25.5	--
26...	1524	9	80513	80513	17.0	65.0	42	6.1	24.5	--
26...	1526	9	80513	80513	19.0	65.0	40	6.0	23.5	--
26...	1528	9	80513	80513	20.0	65.0	40	6.0	23.0	--
26...	1530	9	80513	80513	30.0	65.0	36	5.9	22.0	--
26...	1532	9	80513	80513	40.0	65.0	38	5.9	21.5	--
26...	1533	9	80513	80513	50.0	65.0	44	6.0	21.0	--
26...	1534	9	80513	80513	60.0	65.0	52	6.1	20.5	--
26...	1535	9	80513	80513	65.0	65.0	58	6.2	20.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
26...	1510	.40	8.8	120	761	--	--	--	--	--
26...	1511	--	--	--	--	.030	.09	<.010	27.0	<.100
26...	1512	--	6.5	--	--	--	--	--	--	--
26...	1514	--	5.1	--	--	--	--	--	--	--
26...	1516	--	3.4	--	--	--	--	--	--	--
26...	1518	--	1.2	--	--	--	--	--	--	--
26...	1520	--	.3	--	--	--	--	--	--	--
26...	1522	--	.2	--	--	--	--	--	--	--
26...	1524	--	.1	--	--	--	--	--	--	--
26...	1526	--	.1	--	--	--	--	--	--	--
26...	1528	--	.1	--	--	--	--	--	--	--
26...	1530	--	.1	--	--	--	--	--	--	--
26...	1532	--	.3	--	--	--	--	--	--	--
26...	1533	--	.2	--	--	--	--	--	--	--
26...	1534	--	.1	--	--	--	--	--	--	--
26...	1535	--	.1	--	--	--	--	--	--	--

DATE	TIME	MEDIUM	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)
AUG								
08...	1130	9	80513	80513	.00	63.0	41	8.4
08...	1132	9	80513	80513	10.0	63.0	41	6.9
08...	1134	9	80513	80513	11.0	63.0	41	6.6
08...	1136	9	80513	80513	12.0	63.0	41	6.3
08...	1138	9	80513	80513	14.0	63.0	42	6.2
08...	1140	9	80513	80513	15.0	63.0	42	6.2
08...	1142	9	80513	80513	16.0	63.0	42	6.2
08...	1144	9	80513	80513	18.0	63.0	42	6.2
08...	1146	9	80513	80513	20.0	63.0	42	6.2
08...	1148	9	80513	80513	25.0	63.0	40	6.2
08...	1150	9	80513	80513	30.0	63.0	40	6.2
08...	1152	9	80513	80513	40.0	63.0	38	6.1
08...	1153	9	80513	80513	50.0	63.0	50	6.3
08...	1154	9	80513	80513	60.0	63.0	60	6.4
08...	1155	9	80513	80513	63.0	63.0	66	6.5

07340990 DIERKS LAKE NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
AUG							
08...	1130	31.0	54.0	1.40	7.6	104	752
08...	1132	30.0	--	--	5.1	--	--
08...	1134	29.0	--	--	3.9	--	--
08...	1136	28.0	--	--	1.1	--	--
08...	1138	27.0	--	--	.1	--	--
08...	1140	26.0	--	--	.0	--	--
08...	1142	25.0	--	--	.0	--	--
08...	1144	24.0	--	--	.0	--	--
08...	1146	23.5	--	--	.0	--	--
08...	1148	22.5	--	--	.0	--	--
08...	1150	22.0	--	--	.0	--	--
08...	1152	21.0	--	--	.0	--	--
08...	1153	20.5	--	--	.0	--	--
08...	1154	20.0	--	--	.0	--	--
08...	1155	20.0	--	--	.0	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
SEP										
12...	1130	9	80513	80513	.00	62.0	39	6.3	28.5	42.0
12...	1131	9	80513	80010	3.00	62.0	--	--	--	--
12...	1132	9	80513	80513	10.0	62.0	38	6.6	28.0	--
12...	1134	9	80513	80513	15.0	62.0	38	6.5	27.0	--
12...	1136	9	80513	80513	17.0	62.0	44	6.3	26.0	--
12...	1138	9	80513	80513	18.0	62.0	44	6.3	25.0	--
12...	1140	9	80513	80513	19.0	62.0	42	6.3	24.0	--
12...	1142	9	80513	80513	20.0	62.0	42	6.3	23.0	--
12...	1144	9	80513	80513	25.0	62.0	38	6.3	22.0	--
12...	1146	9	80513	80513	30.0	62.0	38	6.2	21.5	--
12...	1148	9	80513	80513	40.0	62.0	52	6.2	20.5	--
12...	1150	9	80513	80513	50.0	62.0	64	6.2	20.0	--
12...	1152	9	80513	80513	60.0	62.0	80	6.2	19.0	--
12...	1155	9	80513	80513	62.0	62.0	88	6.3	19.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	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										
12...	1130	1.10	6.2	81	752	--	--	--	--	--
12...	1131	--	--	--	--	.020	.06	<.010	6.50	<.100
12...	1132	--	6.1	--	--	--	--	--	--	--
12...	1134	--	4.0	--	--	--	--	--	--	--
12...	1136	--	.0	--	--	--	--	--	--	--
12...	1138	--	.0	--	--	--	--	--	--	--
12...	1140	--	.0	--	--	--	--	--	--	--
12...	1142	--	.0	--	--	--	--	--	--	--
12...	1144	--	.0	--	--	--	--	--	--	--
12...	1146	--	.0	--	--	--	--	--	--	--
12...	1148	--	.0	--	--	--	--	--	--	--
12...	1150	--	.0	--	--	--	--	--	--	--
12...	1152	--	.0	--	--	--	--	--	--	--
12...	1155	--	.0	--	--	--	--	--	--	--

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 upstream from Bluff Creek, 5.0 mi northwest of Dierks, and at mile 56.6.

DRAINAGE AREA.--113 mi^2.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 14...	1130	0	80513	--	18	44	7.1	22.0	8.0
NOV 18...	1100	0	80513	--	18	46	6.7	14.5	10.0
DEC 02...	1300	0	80513	--	20	43	6.8	14.5	10.2
JAN 04...	0900	0	80513	--	1040	35	6.2	10.0	12.0
FEB 15...	1015	0	80513	--	425	37	7.2	6.5	12.2
MAR 09...	1100	0	80513	--	705	38	6.8	9.0	12.0
APR 12...	1045	9	80513	80513	60	34	7.1	13.0	9.6

07340992 SALINE RIVER BELOW DIERKS DAM, NEAR DIERKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY 10...	1100	9	80513	80513	665	43	6.7	14.0	10.4
DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN 08...	1245	9	80513	80513	60	36	7.0	23.5	7.6
DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL 26...	1455	9	80513	80513	18	42	6.9	28.5	7.3
DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG 08...	1100	9	80513	80513	18	43	6.9	27.5	7.0
DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP 12...	1100	9	80513	80513	12	37	6.5	28.0	6.9

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 downstream from Brushy Creek, 6.0 mi east of Lockesburg, and at mile 30.0.

DRAINAGE AREA.--256 mi^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 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 upstream.

AVERAGE DISCHARGE.--20 years, 400 ft^3/s, 289,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 64,700 ft^3/s May 14, 1968, gage height, 20.86 ft, from rating curve extended above 23,000 ft^3/s on basis of contracted-opening measurement of peak flow; minimum, 0.20 ft^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, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 59,600 ft^3/s Dec. 3, gage height, 20.52 ft, from rating curve extended as explained above; minimum daily, 11 ft^3/s Sept. 27-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	27	962	1050	1710	577	263	178	926	367	34	21
2	18	186	1450	1270	712	548	419	178	913	17700	33	22
3	18	325	36800	1290	697	190	223	752	875	8170	32	21
4	22	98	8950	1250	630	383	161	376	437	1120	31	20
5	30	55	1710	1220	651	2270	158	824	411	507	30	19
6	23	39	872	1200	923	610	191	840	720	523	547	18
7	261	33	922	1190	928	333	168	819	491	852	325	18
8	103	28	1090	1180	837	755	231	811	422	1020	224	17
9	66	25	1210	1170	1350	899	237	796	147	1140	78	14
10	55	24	1240	1160	1920	875	226	785	79	1130	32	13
11	33	23	2100	1140	573	598	217	382	52	1110	28	13
12	26	23	1710	1120	758	368	147	302	48	1090	25	13
13	23	23	963	1110	723	352	133	711	45	1070	27	13
14	22	23	1020	1100	689	344	533	740	42	1060	29	12
15	21	22	1310	1090	660	189	447	8610	66	1060	27	12
16	20	21	1260	1080	504	104	315	5190	53	1050	25	12
17	19	22	1210	1070	435	98	246	491	42	1040	24	12
18	19	22	1190	1060	216	93	233	679	39	1020	24	12
19	20	24	1170	1060	141	88	222	746	37	997	23	13
20	28	28	1140	1050	117	90	140	988	35	870	23	13
21	33	35	1130	1050	447	95	115	1050	34	839	22	13
22	24	35	1120	1040	1740	87	113	1230	33	386	22	15
23	21	31	1120	1030	799	80	512	999	33	223	21	13
24	21	30	1200	1020	773	79	376	950	33	183	21	12
25	20	33	2550	1010	695	76	212	1050	33	178	21	12
26	20	57	1540	1010	637	79	565	1020	40	89	20	12
27	20	3300	1900	1010	608	141	572	992	45	43	20	11
28	21	5280	2700	863	591	110	544	990	148	39	19	11
29	36	784	782	432	---	174	333	981	3830	37	19	11
30	49	835	909	366	---	248	193	952	3670	36	19	11
31	34	---	1050	380	---	294	---	939	---	34	20	---
TOTAL	1144	11491	84280	32071	21464	11227	8445	36351	13779	44983	1845	429
MEAN	36.9	383	2719	1035	767	362	282	1173	459	1451	59.5	14.3
MAX	261	5280	36800	1290	1920	2270	572	8610	3830	17700	547	22
MIN	18	21	782	366	117	76	113	178	33	34	19	11
AC-FT	2270	22790	167200	63610	42570	22270	16750	72100	27330	89220	3660	851

CAL YR 1982 TOTAL 195717 MEAN 536 MAX 36800 MIN 18 AC-FT 388200
WTR YR 1983 TOTAL 267509 MEAN 733 MAX 36800 MIN 11 AC-FT 530600

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT 19...	1030	0	9827	9827	19	7.2	18.0	15.0	20	7.3	72
NOV 16...	1015	0	9827	9827	21	6.9	8.0	7.0	7.8	8.8	72
DEC 07...	1000	0	9827	9827	945	6.8	12.0	10.0	35	9.9	88
JAN 25...	0940	0	9827	9827	1010	6.7	6.0	6.0	25	11.4	91
FEB 22...	0800	0	9827	9827	1880	7.1	12.0	11.0	80	9.1	82
MAR 22...	0800	0	9827	9827	87	7.0	5.0	9.0	8.5	9.8	84
APR 19...	0930	0	9827	9827	220	7.0	6.0	12.0	8.0	9.0	--
MAY 17...	1000	0	9827	9827	494	6.6	20.0	16.0	45	8.2	--
JUN 14...	1000	0	9827	9827	43	6.8	23.0	22.0	20	6.0	--
JUL 19...	1000	0	9827	9827	998	6.8	26.0	22.0	25	7.8	--
AUG 16...	1000	0	9827	9827	26	6.9	28.0	26.0	6.5	5.4	--
SEP 20...	1000	0	9827	9827	14	6.9	25.0	23.0	4.8	4.5	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT 19...	1030	.9	80	16	3.0	5.0	54	.07	10	--
NOV 16...	1015	1.5	120	26	6.0	6.5	67	.09	6	.030
DEC 07...	1000	1.9	850	20	9.0	4.0	63	.09	30	.380
JAN 25...	0940	.6	16	20	3.0	4.0	53	.07	13	.270
FEB 22...	0800	2.9	>600	30	10	7.5	106	.14	78	.120
MAR 22...	0800	1.2	14	34	11	6.5	61	.08	5	.140
APR 19...	0930	1.0	60	--	6.0	3.5	64	.09	6	.160
MAY 17...	1000	2.1	440	--	8.0	4.0	76	.10	36	.150
JUN 14...	1000	2.1	44	--	--	4.5	54	.07	10	--
JUL 19...	1000	1.9	40	--	5.0	4.5	46	.06	24	.210
AUG 16...	1000	1.6	140	--	7.0	3.0	58	.08	6	.300
SEP 20...	1000	1.2	52	--	4.0	4.5	--	--	3	.070

ARKANSAS RIVER BASIN

07341200 SALINE RIVER NEAR LOCKESBURG, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT 19...	1030	.220	--	.040	<5	<1	2	--	<5	60
NOV 16...	1015	.130	.070	.050	--	<1	3	17	--	40
DEC 07...	1000	.070	.090	.050	--	<1	2	15	--	--
JAN 25...	0940	.090	.060	.040	<5	<1	<1	10	<5	50
FEB 22...	0800	.030	.130	.060	--	<1	4	49	--	110
MAR 22...	0800	.020	.030	.010	--	<1	<1	<10	--	60
APR 19...	0930	.010	.040	<.010	6	--	<1	--	<5	30
MAY 17...	1000	.070	.090	.020	--	<1	2	--	--	50
JUN 14...	1000	.070	.070	--	--	<1	<1	--	--	70
JUL 19...	1000	.120	.080	.030	<5	1	1	36	<5	--
AUG 16...	1000	.060	.070	.020	--	<1	<1	22	--	90
SEP 20...	1000	.040	.060	.010	--	<1	1	12	--	60

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)
NOV 16...	1015	.0	.000	.000	.000	.000	.000	.00	.00	.0

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 east of Ashdown, 9.6 mi upstream from Hudson Creek, and at mile 16.0.

DRAINAGE AREA.--4,119 mi^2.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT											
13...	1030	0	80513	.00	34.0	53	7.4	21.0	38.0	1.00	7.6
13...	1035	0	80513	10.0	34.0	53	7.4	21.0	--	--	7.3
13...	1040	0	80513	20.0	34.0	53	7.4	21.0	--	--	7.3
13...	1045	0	80513	30.0	34.0	54	7.8	21.0	--	--	7.3
13...	1050	0	80513	34.0	34.0	54	7.9	21.0	--	--	7.3

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
NOV							
17...	1130	0	80513	.00	34.0	67	6.9
17...	1135	0	80513	10.0	34.0	67	6.9
17...	1140	0	80513	20.0	34.0	67	7.0
17...	1145	0	80513	30.0	34.0	67	7.0
17...	1150	0	80513	34.0	34.0	68	7.1

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV							
17...	1130	11.0	42.0	1.10	10.4	95	758
17...	1135	11.0	--	--	9.6	--	--
17...	1140	11.0	--	--	9.4	--	--
17...	1145	11.0	--	--	9.4	--	--
17...	1150	11.0	--	--	9.4	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
DEC							
01...	1200	0	80513	.00	33.0	80	7.1
01...	1202	0	80513	10.0	33.0	80	7.2
01...	1203	0	80513	20.0	33.0	80	7.2
01...	1204	0	80513	30.0	33.0	80	7.2
01...	1205	0	80513	33.0	33.0	82	7.3

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC							
01...	1200	11.0	16.8	.40	9.6	88	750
01...	1202	11.0	--	--	9.6	--	--
01...	1203	11.0	--	--	9.6	--	--
01...	1204	11.0	--	--	9.6	--	--
01...	1205	11.0	--	--	9.8	--	--

07341300 MILLWOOD LAKE NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
JAN							
03...	1300	0	80513	.00	34.0	54	7.0
03...	1305	0	80513	10.0	34.0	54	7.0
03...	1310	0	80513	20.0	34.0	54	7.0
03...	1315	0	80513	30.0	34.0	54	7.0
03...	1320	0	80513	34.0	34.0	54	7.0

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
JAN							
03...	1300	7.5	18.0	.50	10.4	86	768
03...	1305	7.5	--	--	10.4	--	--
03...	1310	7.5	--	--	10.4	--	--
03...	1315	7.5	--	--	10.4	--	--
03...	1320	7.5	--	--	10.4	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
FEB							
16...	0945	0	80513	.00	23.0	61	7.4
16...	0950	0	80513	10.0	23.0	61	7.4
16...	0955	0	80513	20.0	23.0	61	7.4
16...	1000	0	80513	23.0	23.0	61	7.4

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
FEB							
16...	0945	9.5	37.2	.90	11.2	99	756
16...	0950	9.5	--	--	11.0	--	--
16...	0955	9.5	--	--	10.6	--	--
16...	1000	9.5	--	--	10.6	--	--

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)
MAR							
08...	1120	0	80513	.00	35.0	64	7.5
08...	1125	0	80513	10.0	35.0	64	7.5
08...	1130	0	80513	20.0	35.0	64	7.5
08...	1135	0	80513	24.0	35.0	64	7.5
08...	1140	0	80513	30.0	35.0	64	7.5
08...	1145	0	80513	35.0	35.0	64	7.5

07341300 MILLWOOD LAKE NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAR							
08...	1120	14.0	36.0	.90	9.6	94	756
08...	1125	14.0	--	--	9.4	--	--
08...	1130	13.5	--	--	9.4	--	--
08...	1135	12.5	--	--	9.4	--	--
08...	1140	11.5	--	--	9.4	--	--
08...	1145	11.0	--	--	9.4	--	--

DATE	TIME	MEDIUM	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)
APR								
13...	0930	9	80513	80513	.00	32.0	62	7.1
13...	0935	9	80513	80513	10.0	32.0	62	7.1
13...	0940	9	80513	80513	20.0	32.0	62	7.1
13...	0945	9	80513	80513	30.0	32.0	64	7.1
13...	0950	9	80513	80513	32.0	32.0	64	7.1

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
APR							
13...	0930	16.0	42.0	1.10	9.0	93	747
13...	0935	15.5	--	--	9.0	--	--
13...	0940	15.5	--	--	9.0	--	--
13...	0945	15.0	--	--	9.0	--	--
13...	0950	15.0	--	--	8.9	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
MAY										
11...	1030	9	80513	80513	.00	21.0	56	7.1	19.5	37.2
11...	1031	9	80513	80010	3.00	21.0	--	--	--	--
11...	1035	9	80513	80513	10.0	21.0	54	7.1	19.0	--
11...	1040	9	80513	80513	20.0	21.0	54	7.0	19.0	--
11...	1045	9	80513	80513	21.0	21.0	54	7.0	19.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
11...	1030	.90	8.0	88	752	--	--	--	--	--
11...	1031	--	--	--	--	.030	.09	<.010	3.10	.300
11...	1035	--	7.6	--	--	--	--	--	--	--
11...	1040	--	7.4	--	--	--	--	--	--	--
11...	1045	--	7.4	--	--	--	--	--	--	--

07341300 MILLWOOD LAKE NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
JUN								
07...	1330	9	80513	80513	.00	15.0	50	7.2
07...	1335	9	80513	80513	10.0	15.0	44	7.2
07...	1340	9	80513	80513	15.0	15.0	44	7.2

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	
JUN								
07...	1330	24.5	33.6	.90	7.6	92	758	
07...	1335	24.0	--	--	7.9	--	--	
07...	1340	23.5	--	--	7.8	--	--	

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
JUL										
27...	1015	9	80513	80513	.00	35.0	52	7.1	30.5	13.2
27...	1016	9	80513	80010	10.0	35.0	54	6.4	29.5	--
27...	1018	9	80513	80513	15.0	35.0	54	6.3	28.5	--
27...	1020	9	80513	80513	20.0	35.0	54	6.3	27.5	--
27...	1022	9	80513	80513	25.0	35.0	60	6.3	26.5	--
27...	1024	9	80513	80513	30.0	35.0	62	6.3	26.0	--
27...	1025	9	80513	80513	35.0	35.0	62	6.3	25.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL										
27...	1015	.30	7.9	106	761	--	--	--	--	--
27...	1016	--	2.5	--	--	.090	.28	.010	30.0	<.100
27...	1018	--	1.5	--	--	--	--	--	--	--
27...	1020	--	.9	--	--	--	--	--	--	--
27...	1022	--	.2	--	--	--	--	--	--	--
27...	1024	--	.1	--	--	--	--	--	--	--
27...	1025	--	.1	--	--	--	--	--	--	--

DATE	TIME	MEDIUM	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)
AUG								
09...	1145	9	80513	80513	.00	19.0	50	7.3
09...	1146	9	80513	80513	3.00	19.0	50	7.3
09...	1148	9	80513	80513	10.0	19.0	50	7.2
09...	1150	9	80513	80513	11.0	19.0	50	7.2
09...	1153	9	80513	80513	13.0	19.0	54	7.1
09...	1155	9	80513	80513	19.0	19.0	56	7.1

07341300 MILLWOOD LAKE NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	TEMPERATURE (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
AUG							
09...	1145	31.5	36.0	.90	8.0	109	759
09...	1146	30.5	--	--	7.5	--	--
09...	1148	29.5	--	--	4.5	--	--
09...	1150	28.5	--	--	3.1	--	--
09...	1153	27.5	--	--	.6	--	--
09...	1155	26.5	--	--	.2	--	--

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
SEP										
13...	0800	9	80513	80513	.00	33.0	42	6.2	28.5	50.4
13...	0801	9	80513	80010	3.00	33.0	--	--	--	--
13...	0802	9	80513	80513	10.0	33.0	42	6.6	28.0	--
13...	0804	9	80513	80513	20.0	33.0	42	6.6	28.0	--
13...	0806	9	80513	80513	25.0	33.0	42	6.6	28.0	--
13...	0808	9	80513	80513	30.0	33.0	40	6.5	27.0	--
13...	0810	9	80513	80513	33.0	33.0	40	6.4	27.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	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										
13...	0800	1.30	7.6	98	760	--	--	--	--	--
13...	0801	--	--	--	--	.030	.09	<.010	10.0	<.100
13...	0802	--	7.0	--	--	--	--	--	--	--
13...	0804	--	3.7	--	--	--	--	--	--	--
13...	0806	--	4.2	--	--	--	--	--	--	--
13...	0808	--	1.6	--	--	--	--	--	--	--
13...	0810	--	1.3	--	--	--	--	--	--	--

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 upstream from Hudson Creek, and at mile 16.0.

DRAINAGE AREA.--4,119 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
OCT										
13...	0900	0	80513	80010	1220	63	7.3	21.0	8.2	92
NOV										
17...	1100	0	80513	80513	--	72	6.9	11.0	11.2	--
DEC										
01...	1115	0	80513	80513	--	64	6.8	11.5	10.4	--
04...	1300	0	80513	80010	30500	64	6.9	11.5	10.4	97
JAN										
03...	1215	0	80513	80513	--	54	6.9	7.5	12.0	--
FEB										
16...	0900	0	80513	80010	4300	61	7.4	9.5	12.4	109
MAR										
08...	1045	0	80513	80513	--	64	7.5	11.0	10.4	--
APR										
13...	0900	0	80513	80010	1920	62	7.1	15.0	10.4	105
MAY										
11...	1000	9	80513	80513	--	52	7.0	19.0	8.8	--
JUN										
07...	1230	9	80513	80513	--	44	7.5	23.5	8.5	--
JUL										
27...	0950	9	80513	80513	--	51	6.4	30.0	7.4	--
AUG										
09...	0900	9	80513	80010	800	61	7.0	27.0	7.2	91
SEP										
13...	0720	9	80513	80513	--	42	6.6	28.0	7.6	--

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TURBIDITY (NTU) (00076)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
OCT										
13...	0900	760	4.1	16	33	14	0	0	3.7	1.2
DEC										
04...	1300	750	28	250	740	20	3	3	6.0	1.2
FEB										
16...	0900	756	20	5	K20	20	6	6	5.7	1.3
APR										
13...	0900	747	17	3	K8	21	3	3	6.1	1.4
AUG										
09...	0900	759	4.0	4	5	17	0	0	4.5	1.3

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)
OCT 13...	0900	4.9	40	.6	1.4	14	5.0	6.3	<.10	11
DEC 04...	1300	4.1	29	.4	1.8	17	8.8	5.1	<.10	6.1
FEB 16...	0900	5.1	35	.5	.80	14	12	5.6	<.10	7.4
APR 13...	0900	6.0	37	.6	.80	18	10	6.3	.20	6.3
AUG 09...	0900	3.0	25	.3	2.0	17	5.3	3.7	<.10	7.4

DATE	TIME	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, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	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)
OCT 13...	0900	50	42	.07	--	--	--	<.100	--	.080
DEC 04...	1300	48	43	.07	.300	--	.300	--	.140	--
FEB 16...	0900	48	47	.07	--	.240	--	.240	--	.130
APR 13...	0900	51	49	.07	--	.140	--	.140	--	.050
AUG 09...	0900	45	38	.06	--	--	--	<.100	--	.030

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4) (71846)	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT 13...	0900	.10	--	.70	--	--	.100	.31	.060	--
DEC 04...	1300	--	.36	.50	.80	3.5	--	--	--	.050
FEB 16...	0900	.17	--	.80	--	--	.050	.15	.040	--
APR 13...	0900	.06	--	.30	--	--	.050	.15	.020	--
AUG 09...	0900	.04	--	.20	--	--	.030	.09	.020	--

DATE	TIME	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)
OCT 13...	0900	.020	--	10	1	12	<1	<1	--	<1
DEC 04...	1300	--	50	--	--	--	--	--	1	--
FEB 16...	0900	.020	--	10	1	92	<1	<1	--	<1
APR 13...	0900	<.010	--	100	1	140	<.5	<1	--	3
AUG 09...	0900	<.010	--	<10	2	16	<.5	<1	--	<1

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
OCT 13...	0900	<3	--	25	--	<4	2	<.1	<10	--
FEB 16...	0900	<3	8	210	2	<4	29	<.1	<10	4
APR 13...	0900	<3	6	290	5	<4	10	<.1	<10	2
AUG 09...	0900	<3	3	140	1	<4	160	<.1	<10	1

DATE	TIME	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)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	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 13...	0900	<1	--	<1	41	--	<4	15	49	49
DEC 04...	1300	--	3	--	--	20	--	19	1560	60
FEB 16...	0900	<1	--	<1	37	--	91	--	--	--
APR 13...	0900	<1	--	<1	46	--	89	15	78	74
AUG 09...	0900	<1	--	<1	41	--	9	7	15	79

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 south of Texarkana.

DRAINAGE AREA.--3,540 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE, AIR (DEG C) (00020)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)
OCT 12...	1415	0	80513	80010	595	629	7.8	--	22.0	15
FEB 16...	1245	0	80513	80010	2100	511	7.6	--	9.0	31
APR 13...	1200	0	80513	80010	1320	320	7.5	--	16.5	36
AUG 10...	0740	9	80513	80010	314	250	7.1	25.0	29.0	15

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
OCT 12...	1415	7.6	87	760	73	230	120	32	32	43
FEB 16...	1245	10.8	94	756	K760	1300	94	39	39	33
APR 13...	1200	7.9	83	745	31	70	88	24	24	30
AUG 10...	0740	5.4	71	760	25	52	82	4	4	27

DATE	TIME	POTASSIUM, 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)	CHLORIDE, DISSOLVED (MG/L AS F) (00950)
OCT 12...	1415	3.3	74	56	3	5.1	90	63	100	.20
FEB 16...	1245	2.8	65	59	3	4.1	55	71	85	.10
APR 13...	1200	3.0	32	43	2	3.3	64	42	37	.20
AUG 10...	0740	3.4	17	30	.9	4.6	78	21	18	.20

DATE	TIME	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, NITRATE DISSOLVED (MG/L AS N) (00618)	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)
OCT 12...	1415	10	385	350	.52	.130	.130	.280	.36	1.2
FEB 16...	1245	8.4	353	300	.48	.320	.320	.240	.31	1.3
APR 13...	1200	7.4	225	190	.31	.230	.230	.190	.24	.70
AUG 10...	0740	7.6	152	150	.21	.200	.200	1.20	1.5	1.5

07344275 SULPHUR RIVER SOUTH OF TEXARKANA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)
OCT 12...	1415	.180	.55	.090	.070	170	3	87	<1	<1
FEB 16...	1245	.180	.55	.080	.070	50	1	98	1	1
APR 13...	1200	.160	.49	.060	.050	160	1	190	<.5	<1
AUG 10...	0740	.090	.28	.090	.090	<10	3	57	<.5	<1

DATE	TIME	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
OCT 12...	1415	1	<3	--	130	--	<4	130	<.1	<10
FEB 16...	1245	<1	3	5	240	4	4	170	.1	10
APR 13...	1200	2	<3	7	250	8	9	68	.2	<10
AUG 10...	0740	<1	<3	3	35	2	<4	2	<.1	<10

DATE	TIME	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	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 12...	1415	--	<1	<1	280	18	60	96	52
FEB 16...	1245	7	<1	<1	190	32	58	329	84
APR 13...	1200	3	<1	<1	240	120	65	--	88
AUG 10...	0740	1	<1	<1	240	8	63	--	86

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 south of junction U.S. Highway 71 and State Highway 237, and 7.8 mi southeast of Texarkana.

DRAINAGE AREA.--78.5 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 19...	1130	0	9827	9827	19	7.4	21.0	19.0	6.0	2.5
NOV 16...	1221	0	9827	9827	10	7.4	15.0	10.0	20	5.1
DEC 07...	1200	0	9827	9827	55	6.7	17.0	12.0	30	6.5
JAN 25...	1220	0	9827	9827	26	7.2	12.0	6.0	15	7.1
FEB 22...	1230	0	9827	9827	440	7.1	16.0	13.0	45	7.3
MAR 22...	1200	0	9827	9827	38	7.1	15.0	11.0	15	8.9
APR 19...	1200	0	9827	9827	29	7.2	19.0	14.0	15	4.3
MAY 17...	1200	0	9827	9827	--	7.2	26.0	21.0	20	3.8
JUN 14...	1100	0	9827	9827	22	7.3	26.0	25.0	15	2.4
JUL 19...	1200	0	9827	9827	37	7.0	--	28.0	20	4.0
AUG 16...	1130	0	9827	9827	21	7.5	39.0	30.0	20	4.6
SEP 20...	1200	0	9827	9827	27	7.5	27.0	26.0	7.0	1.1

DATE	TIME	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 19...	1130	27	54	11	>600	80	42	110	381	.52
NOV 16...	1221	45	59	12	360	94	38	66	317	.43
DEC 07...	1200	60	37	4.9	130	56	27	32	175	.24
JAN 25...	1220	57	42	7.2	100	64	30	51	216	.29
FEB 22...	1230	69	40	5.9	--	30	12	24	132	.18
MAR 22...	1200	80	38	1.6	40	52	24	41	170	.23
APR 19...	1200	--	42	7.6	28	--	29	42	201	.27
MAY 17...	1200	--	42	--	350	--	21	38	172	.23
JUN 14...	1100	--	50	--	320	--	--	66	261	.36
JUL 19...	1200	--	43	--	1400	--	20	46	189	.26
AUG 16...	1130	--	53	--	16	--	35	110	348	.47
SEP 20...	1200	--	57	18	>600	--	50	130	438	.60

07344300 DAYS CREEK SOUTHEAST OF TEXARKANA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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									
19...	1130	8	--	.560	13	14	--	--	--
NOV									
16...	1221	9	.260	12.0	--	11	11	50	3.20
DEC									
07...	1200	19	.630	2.30	--	--	--	--	.600
JAN									
25...	1220	12	.340	6.30	.90	7.2	7.5	33	1.05
FEB									
22...	1230	60	.450	.560	.94	1.5	2.0	8.6	.350
MAR									
22...	1200	12	.870	4.80	--	2.6	3.5	15	.500
APR									
19...	1200	26	.450	3.90	.20	4.1	4.6	20	.800
MAY									
17...	1200	17	.800	3.55	--	1.8	2.6	12	.850
JUN									
14...	1100	16	--	6.10	--	2.5	--	--	2.10
JUL									
19...	1200	40	.650	2.55	--	1.6	2.3	10	.940
AUG									
16...	1130	18	.100	8.50	--	<14	--	--	2.25
SEP									
20...	1200	14	.010	10.0	8.0	18	18	80	3.25

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	PCB, TOTAL (UG/L) (39516)
OCT									
19...	1130	3.50	<5	1	<1	--	<5	80	.0
NOV									
16...	1221	2.90	--	<1	16	28	--	100	--
DEC									
07...	1200	.310	--	<1	5	18	--	--	--
JAN									
25...	1220	.740	<5	<1	4	29	<5	80	.0
FEB									
22...	1230	.180	--	<1	5	44	--	90	--
MAR									
22...	1200	.350	--	<1	7	15	--	70	--
APR									
19...	1200	.560	<5	--	9	--	<5	80	.0
MAY									
17...	1200	.670	--	<1	5	--	--	120	--
JUN									
14...	1100	--	--	<1	3	--	--	90	--
JUL									
19...	1200	.390	16	1	5	43	<5	--	.0
AUG									
16...	1130	1.15	--	<1	<1	21	--	60	--
SEP									
20...	1200	1.80	--	<1	2	31	--	80	--

DATE	TIME	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)
OCT									
19...	1130	.000	.000	.000	.000	.000	.00	.00	.0
JAN									
25...	1220	.000	.000	.000	.000	.000	.00	.00	.0
APR									
19...	1200	.000	.000	.000	.000	.000	.00	.00	.0
JUL									
19...	1200	.000	.000	.000	.000	.000	.00	.00	.0

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 west of Spring Bank.

DRAINAGE AREA.--56,909 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 19...	1230	0	9827	9827	3600	7.9	24.0	20.0	30	7.7
NOV 16...	1245	0	9827	9827	4500	7.7	15.0	12.0	30	8.1
DEC 07...	1300	0	9827	9827	81000	7.4	18.0	12.0	250	6.7
JAN 25...	1310	0	9827	9827	--	7.4	12.0	5.0	45	10.9
FEB 22...	1330	0	9827	9827	--	7.7	17.0	11.0	80	10.1
MAR 22...	1300	0	9827	9827	--	7.4	15.0	11.0	60	8.1
APR 19...	1240	0	9827	9827	--	8.0	15.0	15.0	45	9.3
MAY 17...	1300	0	9827	9827	--	7.8	24.0	21.0	50	9.4
JUN 14...	1200	0	9827	9827	--	8.0	27.0	25.0	95	7.2
JUL 19...	1300	0	9827	9827	--	7.7	39.0	28.0	55	5.4
AUG 16...	1230	0	9827	9827	--	8.3	35.0	30.0	25	10.0
SEP 20...	1245	0	9827	9827	--	8.2	32.0	26.0	25	9.1

DATE	TIME	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 19...	1230	84	39	3.2	4	160	66	94	405	.55
NOV 16...	1245	75	62	2.6	32	130	61	110	442	.60
DEC 07...	1300	62	40	2.3	400	70	26	27	49	.07
JAN 25...	1310	85	29	.9	32	66	20	17	147	.20
FEB 22...	1330	91	34	1.9	190	64	27	25	168	.23
MAR 22...	1300	73	27	1.1	36	76	24	14	154	.21
APR 19...	1240	--	24	2.7	<4	--	48	54	287	.39
MAY 17...	1300	--	18	2.5	40	--	25	29	168	.23
JUN 14...	1200	--	21	1.8	4	--	--	99	396	.54
JUL 19...	1300	--	33	1.5	12	--	46	58	245	.33
AUG 16...	1230	--	25	4.8	28	--	94	120	503	.68
SEP 20...	1245	--	27	6.0	--	--	92	120	539	.73

RED RIVER BASIN

07344350 RED RIVER NEAR SPRING BANK, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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 19...	1230	49	--	.350	.65	1.0	--	--	--
NOV 16...	1245	43	.140	.300	.70	1.0	1.1	5.0	.180
DEC 07...	1300	350	.230	.130	.87	1.0	1.2	5.4	.340
JAN 25...	1310	52	.110	.140	.26	.40	.51	2.3	.110
FEB 22...	1330	113	.150	.070	.93	1.0	1.2	5.1	.170
MAR 22...	1300	58	.240	.110	.59	.70	.94	4.2	.110
APR 19...	1240	71	.050	.050	.75	.80	.85	3.8	.150
MAY 17...	1300	79	.040	.070	1.3	1.4	1.4	6.4	.110
JUN 14...	1200	150	--	.140	.96	1.1	--	--	.160
JUL 19...	1300	145	.120	.170	.43	.60	.72	3.2	.190
AUG 16...	1230	38	.040	.090	--	<.10	--	--	.110
SEP 20...	1245	34	.080	.060	1.0	1.1	1.2	5.2	.120

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	PCB, TOTAL (UG/L) (39516)
OCT 19...	1230	.080	<5	<1	3	--	<5	60	--
NOV 16...	1245	.090	--	<1	8	17	--	40	--
DEC 07...	1300	.080	--	<1	22	25	--	--	--
JAN 25...	1310	.080	<5	<1	2	18	<5	50	--
FEB 22...	1330	.090	--	<1	7	41	--	60	--
MAR 22...	1300	.060	--	<1	3	<10	--	50	.0
APR 19...	1240	<.010	<5	--	3	--	<5	30	--
MAY 17...	1300	.010	--	2	2	--	--	40	--
JUN 14...	1200	--	--	1	5	--	--	60	.0
JUL 19...	1300	.040	<5	<1	4	31	<5	--	--
AUG 16...	1230	<.010	--	<1	<1	28	--	110	--
SEP 20...	1245	.030	--	<1	1	17	--	60	.0

DATE	TIME	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)
MAR 22...	1300	.000	.000	.000	.000	.000	.00	.00	.0
JUN 14...	1200	.000	.000	.000	.000	.000	.00	.00	.0
SEP 20...	1245	.000	.000	.000	.000	.000	.00	.00	.0

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 east of Taylor.

DRAINAGE AREA.--389 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 12...	1230	0	9827	9827	1.8	5.5	19.0	17.0	4.5	5.8
NOV 09...	1245	0	9827	9827	76	5.5	22.0	14.0	3.2	--
DEC 14...	1141	0	9827	9827	2240	5.2	13.0	6.0	30	10.2
JAN 11...	1216	0	9827	9827	346	5.5	12.0	8.0	4.5	10.0
FEB 15...	1142	0	9827	9827	2250	5.4	17.0	10.0	8.5	9.1
MAR 22...	1123	0	9827	9827	242	5.4	12.0	11.0	8.4	8.9
APR 12...	1128	0	9827	9827	442	5.5	20.0	17.0	10	6.5
MAY 10...	1156	0	9827	9827	72	5.8	21.0	18.0	15	5.7
JUN 07...	1245	0	9827	9827	32	5.9	26.0	22.0	15	4.5
JUL 12...	1258	0	9827	9827	4.0	5.4	34.0	25.0	15	--
AUG 09...	1445	0	9827	9827	2.0	6.9	35.0	29.0	7.2	2.7

DATE	TIME	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 12...	1230	62	2.0	540	20	11	39	140	.19	3
NOV 09...	1245	--	1.7	60	54	8.0	110	257	.35	4
DEC 14...	1141	82	1.5	110	8	10	23	89	.12	5
JAN 11...	1216	84	.9	12	26	5.0	36	125	.17	4
FEB 15...	1142	80	1.3	10	24	5.0	21	80	.11	7
MAR 22...	1123	80	1.2	40	28	5.0	53	143	.19	6
APR 12...	1128	67	.7	16	32	8.0	49	133	.18	9
MAY 10...	1156	--	1.0	36	--	--	57	180	.24	10
JUN 07...	1245	--	--	58	--	--	50	171	.23	9
JUL 12...	1258	--	1.8	56	--	7.0	73	221	.30	10
AUG 09...	1445	--	--	16	--	--	44	196	.27	6

07348650 BAYOU DORCHEAT NEAR TAYLOR, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT									
12...	1230	--	.030	.030	.010	<1	<1	40	90
NOV									
09...	1245	.010	.020	.090	--	<1	11	29	--
DEC									
14...	1141	--	.030	.050	.040	<1	1	27	--
JAN									
11...	1216	.060	.030	.010	.060	<1	<1	12	50
FEB									
15...	1142	.010	.020	.040	.080	<1	<1	25	40
MAR									
22...	1123	.040	.030	.050	.010	<1	3	27	50
APR									
12...	1128	.070	.050	.060	.020	<1	<1	<10	--
MAY									
10...	1156	.050	.220	.090	.030	<1	<1	17	30
JUN									
07...	1245	.160	.180	.080	.020	--	<1	30	--
JUL									
12...	1258	.140	.080	.070	.010	1	1	25	50
AUG									
09...	1445	.080	.550	.070	.010	1	2	27	30

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 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 19...	1330	0	9827	9827	6.8	29.0	19.0	7.2	7.0	74
NOV 16...	1330	0	9827	9827	6.0	15.0	9.0	2.8	7.1	61
DEC 07...	1400	0	9827	9827	5.7	21.0	14.0	15	5.0	48
JAN 25...	1400	0	9827	9827	6.2	13.0	5.0	7.5	11.2	88
FEB 22...	1430	0	9827	9827	6.3	17.0	12.0	20	7.9	73
MAR 22...	1400	0	9827	9827	6.1	15.0	13.0	15	7.8	75
APR 19...	1330	0	9827	9827	6.3	16.0	15.0	15	6.6	--
MAY 17...	1345	0	9827	9827	6.4	24.0	22.0	10	5.5	--
JUN 14...	1300	0	9827	9827	6.3	30.0	21.0	30	4.7	--
JUL 19...	1830	0	9827	9827	6.9	39.0	26.0	15	6.8	--
AUG 16...	1330	0	9827	9827	6.5	36.0	30.0	110	5.2	--
SEP 20...	1340	0	9827	9827	6.9	38.0	26.0	55	7.5	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT 19...	1330	1.3	16	40	8.0	64	170	.23	7	--
NOV 16...	1330	.9	4	120	9.0	240	581	.79	4	.010
DEC 07...	1400	1.6	40	24	15	9.0	91	.12	16	.110
JAN 25...	1400	.6	34	16	7.0	43	115	.16	10	.110
FEB 22...	1430	.9	210	20	6.0	25	98	.13	15	.070
MAR 22...	1400	.9	10	26	7.0	47	131	.18	16	.110
APR 19...	1330	1.0	32	--	7.0	36	138	.19	16	.110
MAY 17...	1345	.9	24	--	7.0	130	272	.37	25	.330
JUN 14...	1300	2.3	44	--	--	68	180	.24	128	--
JUL 19...	1830	2.3	40	--	7.0	36	128	.17	14	.200
AUG 16...	1330	--	64	--	12	96	250	.34	330	.020
SEP 20...	1340	5.0	4	--	11	110	261	.36	94	<.010

07349440 BODCAU CREEK NEAR LEWISVILLE, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT 19...	1330	.210	--	.050	<5	<1	<1	--	<5	30
NOV 16...	1330	.020	.040	.030	--	1	9	16	--	70
DEC 07...	1400	.020	.120	.060	--	<1	2	32	--	60
JAN 25...	1400	.050	.050	.080	<5	<1	<1	28	<5	60
FEB 22...	1430	.020	.100	.070	--	<1	10	29	--	60
MAR 22...	1400	.050	.090	.050	--	<1	2	16	--	50
APR 19...	1330	.060	.140	.060	<5	--	2	--	<5	30
MAY 17...	1345	.130	.150	.070	--	<1	<1	--	--	40
JUN 14...	1300	.070	.220	--	--	<1	2	--	--	80
JUL 19...	1830	.280	.200	.090	<5	<1	1	31	<5	--
AUG 16...	1330	.090	.460	.050	--	1	4	44	--	90
SEP 20...	1340	.810	.220	.030	--	<1	<1	18	--	40

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)
NOV 16...	1330	.0	.000	.000	.000	.000	.000	.00	.00	.0
DEC 07...	1400	.0	.000	.000	.000	.000	.000	.00	.00	.0

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 upstream from bridge on U.S. Highway 270, 3.1 mi upstream from Fiddler's Creek, 5.2 mi northwest of Mount Ida, and at mile 553.4.

DRAINAGE AREA.--414 mi^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 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 downstream at present datum.

REMARKS.--Records good. As of August 1977, flow from 34.3 mi^2 upstream from this station is controlled by one floodwater-detention reservoir that has a capacity of 15,661 acre-ft, of which 9,726 acre-ft is flood-detention, 4,600 acre-ft is water supply, and 1,335 acre-ft is sediment storage.

AVERAGE DISCHARGE.--42 years, 717 ft^3/s, 23.52 in/yr, 519,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 102,000 ft^3/s Dec. 3, 1982, gage height, 39.78 ft, from floodmarks; minimum, 2.3 ft^3/s Aug. 25, 1954, gage height, 1.03 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Dec. 3, 1982, was about 4.0 ft 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 and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 28	0500	22,900	20.19	May 3	1500	20,100	18.86
Dec. 3	1300	*102,000	[b]39.78	May 15	1100	17,100	17.23

b from floodmarks.

Minimum discharge, 18 ft^3/s Oct. 3, 4, 5, 6, Sept. 30, gage height, 1.02 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	55	1330	1130	3260	580	264	2320	464	1050	122	32
2	19	102	6630	989	2390	502	427	2130	395	5080	96	36
3	19	454	79800	885	1650	441	740	15500	348	6870	85	33
4	18	311	30900	736	1290	1190	606	4370	1040	2270	74	29
5	18	175	4030	623	1130	4570	601	2460	911	3260	67	27
6	26	123	2570	544	1060	2250	717	1660	916	2600	63	26
7	29	93	2060	486	986	1600	597	1270	794	1450	70	25
8	41	78	1810	442	871	1250	521	1070	606	1070	70	23
9	41	69	1650	405	793	1010	461	855	479	827	62	23
10	38	59	1600	369	774	828	405	711	392	648	56	22
11	36	53	3390	332	684	674	360	1000	331	520	55	22
12	35	63	3100	300	595	558	308	1400	275	422	55	21
13	36	62	2000	267	531	477	705	1170	238	352	85	20
14	35	56	1580	251	483	418	3550	3290	208	290	87	20
15	32	51	1310	228	445	370	1710	13300	194	263	60	20
16	29	50	1080	209	406	328	1260	4090	173	241	53	20
17	27	48	899	196	369	292	1010	2250	153	218	49	20
18	26	47	766	183	334	270	835	2640	136	1100	44	20
19	27	47	658	173	310	250	693	3940	124	763	40	21
20	32	51	555	171	286	233	681	2250	113	495	37	23
21	37	55	476	172	332	231	626	1820	104	377	33	23
22	38	59	424	169	2030	210	549	1850	96	287	32	22
23	35	435	425	163	1970	185	3020	1360	92	228	29	22
24	34	708	1000	157	1470	171	2310	1080	89	190	28	21
25	33	391	2170	149	1170	155	1580	877	86	161	31	21
26	33	796	1660	149	963	162	1250	727	84	136	30	20
27	33	15800	2870	172	803	236	1030	1000	83	120	27	20
28	36	14200	4500	217	679	286	858	866	100	104	26	20
29	47	3150	2280	212	---	242	721	778	3380	94	27	19
30	55	1860	1670	200	---	239	963	611	1910	173	29	18
31	47	---	1360	218	---	247	---	524	---	216	33	---
TOTAL	1012	39501	166553	10897	28064	20455	29358	79169	14314	31875	1655	689
MEAN	32.6	1317	5373	352	1002	660	979	2554	477	1028	53.4	23.0
MAX	55	15800	79800	1130	3260	4570	3550	15500	3380	6870	122	36
MIN	18	47	424	149	286	155	264	524	83	94	26	18
CFSM	.08	3.18	13.0	.85	2.42	1.59	2.37	6.17	1.15	2.48	.13	.06
IN.	.09	3.55	14.97	.98	2.52	1.84	2.64	7.11	1.29	2.86	.15	.06
AC-FT	2010	78350	330400	21610	55660	40570	58230	157000	28390	63220	3280	1370

CAL YR 1982 TOTAL 407978 MEAN 1118 MAX 79800 MIN 18 CFSM 2.70 IN 36.66 AC-FT 809200
WTR YR 1983 TOTAL 423542 MEAN 1160 MAX 79800 MIN 18 CFSM 2.80 IN 38.06 AC-FT 840100

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV											
02...	0900	0	9827	9827	82	7.3	18.0	18.0	3.8	8.2	86
23...	0915	0	9827	9827	160	7.2	15.0	14.0	3.4	9.1	88
DEC											
14...	0920	0	9827	9827	1610	6.4	10.0	7.0	35	11.5	94
FEB											
01...	0930	0	9827	9827	3190	6.6	11.0	8.0	40	11.2	94
MAR											
01...	0905	0	9827	9827	591	7.3	18.0	11.0	5.0	11.1	100
APR											
12...	1000	0	9827	9827	308	7.0	18.0	11.0	4.0	10.1	91
MAY											
03...	0945	0	9827	9827	17600	6.4	20.0	11.0	85	8.6	--
24...	0950	0	9827	9827	1100	6.7	30.0	19.0	7.1	8.9	--
JUN											
28...	0945	0	9827	9827	88	6.9	23.0	26.0	3.8	7.3	--
AUG											
02...	1110	0	9827	9827	97	6.2	32.0	30.0	4.8	8.0	--
23...	1000	0	9827	9827	30	7.0	30.0	29.0	2.5	7.8	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV											
02...	0900	9	--	--	20	5.0	--	55	.07	4	--
23...	0915	--	1.3	84	34	5.0	4.0	59	.08	<1	--
DEC											
14...	0920	--	1.5	--	4	3.0	8.0	40	.05	7	.370
FEB											
01...	0930	15	2.0	>240	14	7.0	4.0	35	.05	36	.190
MAR											
01...	0905	3	.7	28	22	3.0	3.0	35	.05	2	.090
APR											
12...	1000	--	.7	24	24	5.0	3.5	28	.04	2	--
MAY											
03...	0945	28	3.2	>600	--	5.0	3.5	55	.07	64	.150
24...	0950	7	1.0	76	--	3.0	3.5	41	.06	4	.200
JUN											
28...	0945	13	2.8	76	--	5.0	4.0	45	.06	4	.040
AUG											
02...	1110	12	4.0	36	--	2.0	4.5	50	.07	7	.020
23...	1000	--	1.5	24	--	7.0	3.5	46	.06	1	.020

07356000 OUACHITA RIVER NEAR MOUNT IDA, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
NOV											
02...	0900	.020	.08	.10	--	--	--	.040	--	3	<10
23...	0915	.010	.19	.20	--	--	.010	.010	<1	2	<10
DEC											
14...	0920	.060	--	<.10	--	--	.040	.050	<1	1	<10
FEB											
01...	0930	.040	.06	.10	.29	1.3	.100	.020	<1	37	11
MAR											
01...	0905	.050	.05	.10	.19	.84	.010	.050	<1	5	<10
APR											
12...	1000	--	--	.10	--	--	.010	<.010	<1	<1	<10
MAY											
03...	0945	.040	.76	.80	.95	4.2	.180	.070	<1	2	<10
24...	0950	.010	--	--	--	--	.040	.010	<1	4	<10
JUN											
28...	0945	.040	.66	.70	.74	3.3	.060	.010	<1	<1	11
AUG											
02...	1110	.040	--	<.10	--	--	.060	--	<1	1	<10
23...	1000	.010	--	<.10	--	--	.030	<.010	<1	2	<10

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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)
NOV											
02...	0900	50	.0	.000	.000	.000	.000	.000	.00	.00	.0
FEB											
01...	0930	10	--	--	--	--	--	--	--	--	--
MAR											
01...	0905	70	--	--	--	--	--	--	--	--	--
APR											
12...	1000	20	--	--	--	--	--	--	--	--	--
MAY											
03...	0945	20	--	--	--	--	--	--	--	--	--
24...	0950	60	--	--	--	--	--	--	--	--	--
JUN											
28...	0945	150	--	--	--	--	--	--	--	--	--
AUG											
02...	1110	20	--	--	--	--	--	--	--	--	--
23...	1000	80	--	--	--	--	--	--	--	--	--

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 upstream from Glazypeau Creek, 10.0 mi northwest of Hot Springs, and at mile 486.9.

DRAINAGE AREA.--1,102 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV										
02...	0750	0	9827	9827	--	.00	6.6	16.0	15.0	30
23...	0815	0	9827	9827	--	.00	6.4	19.0	15.0	20
DEC										
14...	0820	0	9827	9827	--	6400	6.8	5.0	11.0	7.8
FEB										
01...	0825	0	9827	9827	--	.00	6.7	9.0	9.0	5.4
MAR										
01...	0820	0	9827	9827	--	2500	7.0	10.0	8.0	2.5
APR										
12...	0805	0	9827	9827	2980	--	6.9	18.0	11.0	3.0
MAY										
03...	0825	0	9827	9827	15	--	6.7	21.0	13.0	4.8
24...	0830	0	9827	9827	--	.00	6.8	23.0	14.0	3.0
JUN										
28...	0840	0	9827	9827	--	20	6.8	26.0	25.0	3.6
AUG										
02...	0930	0	9827	9827	--	20	6.1	31.0	30.0	3.1
23...	0845	0	9827	9827	--	20	6.9	29.0	28.0	3.5

DATE	TIME	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)
NOV									
02...	0750	8.8	86	28	--	--	16	5.0	--
23...	0815	8.1	79	--	3.4	860	16	5.0	2.5
DEC									
14...	0820	12.1	83	--	1.1	12	20	4.0	3.0
FEB									
01...	0825	10.4	90	16	.7	8	22	6.0	3.0
MAR									
01...	0820	10.3	86	5	.8	<4	22	4.0	2.5
APR									
12...	0805	10.7	96	--	1.1	4	20	5.0	4.0
MAY									
03...	0825	9.5	--	16	1.4	250	--	5.0	2.5
24...	0830	8.7	--	16	2.4	8	--	5.0	3.0
JUN									
28...	0840	8.5	--	11	2.0	28	--	3.0	3.0
AUG									
02...	0930	9.4	--	12	3.0	16	--	4.0	5.0
23...	0845	7.6	--	10	1.6	12	--	1.0	4.5

07357501 OUACHITA RIVER AT BLAKELY MOUNTAIN DAM, NEAR HOT SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)
NOV									
02...	0750	50	.07	16	--	.010	--	<.10	--
23...	0815	60	.08	8	--	.020	.28	.30	--
DEC									
14...	0820	33	.04	11	.080	.040	--	<.10	--
FEB									
01...	0825	38	.05	4	.140	.030	--	--	--
MAR									
01...	0820	42	.06	<1	.150	.030	.07	.10	.25
APR									
12...	0805	37	.05	1	--	--	--	--	--
MAY									
03...	0825	35	.05	5	.140	.030	.27	.30	.44
24...	0830	38	.05	1	.130	.020	.88	.90	1.0
JUN									
28...	0840	27	.04	4	.010	.040	.76	.80	.81
AUG									
02...	0930	32	.04	4	.030	.050	--	<.10	--
23...	0845	37	.05	4	.020	.020	.18	.20	.22

DATE	TIME	NITROGEN, TOTAL (MG/L AS NO3) (71887)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
NOV									
02...	0750	--	--	.100	--	<1	<10	130	--
23...	0815	--	.080	.040	<1	2	<10	--	--
DEC									
14...	0820	--	.010	.010	<1	<1	<10	--	.0
FEB									
01...	0825	--	.020	.010	<1	14	<10	40	--
MAR									
01...	0820	1.1	<.010	.040	<1	<1	<10	20	--
APR									
12...	0805	--	.010	<.010	<1	<1	<10	60	--
MAY									
03...	0825	1.9	.030	.010	<1	<1	<10	30	--
24...	0830	4.6	.020	.010	<1	<1	<10	30	--
JUN									
28...	0840	3.6	.040	<.010	<1	<1	<10	90	--
AUG									
02...	0930	--	.020	--	<1	<1	<10	370	--
23...	0845	.97	.030	<.010	<1	<1	10	70	--

DATE	TIME	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)
DEC									
14...	0820	.000	.000	.000	.000	.000	.00	.00	.0

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 downstream from Hot Springs Creek, and 4.5 mi southeast of Hot Springs.

DRAINAGE AREA.--1,459 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV										
02...	1600	0	9827	9827	4070	6.9	19.0	15.0	3.0	8.1
23...	1415	0	9827	9827	1200	6.8	15.0	15.0	3.4	8.9
DEC										
14...	1405	0	9827	9827	1300	6.6	10.0	11.0	40	9.0
FEB										
01...	1450	0	9827	9827	6940	6.8	12.0	8.0	3.0	11.0
MAR										
01...	1515	0	9827	9827	4910	7.3	22.0	13.0	3.5	11.2
APR										
12...	1800	0	9827	9827	3390	7.0	20.0	13.0	3.0	10.1
MAY										
03...	1400	0	9827	9827	9490	6.7	20.0	16.0	8.8	9.1
24...	1530	0	9827	9827	.00	6.7	30.0	21.0	15	9.0
JUN										
28...	1530	0	9827	9827	4570	6.6	35.0	17.0	3.1	7.5
AUG										
02...	1825	0	9827	9827	1360	6.3	30.0	17.0	3.6	5.8
23...	1600	0	9827	9827	3730	6.4	36.0	19.0	2.0	2.8

DATE	TIME	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)
NOV										
02...	1600	79	--	--	20	5.0	--	29	.04	4
23...	1415	87	1.7	20	20	3.0	3.0	40	.05	7
DEC										
14...	1405	81	1.9	56	12	5.0	3.5	34	.05	12
FEB										
01...	1450	92	.8	10	18	6.0	3.0	30	.04	1
MAR										
01...	1515	106	1.1	28	18	6.0	3.0	32	.04	2
APR										
12...	1800	95	1.2	4	24	5.0	3.5	26	.04	2
MAY										
03...	1400	--	1.3	92	--	4.0	3.0	31	.04	8
24...	1530	--	6.6	52	--	5.0	4.5	55	.07	8
JUN										
28...	1530	--	1.2	28	--	3.0	3.0	34	.05	4
AUG										
02...	1825	--	1.2	24	--	3.0	3.5	37	.05	5
23...	1600	--	1.0	12	--	4.0	3.5	38	.05	1

07358501 OUACHITA RIVER AT CARPENTER DAM, NEAR HOT SPRINGS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
NOV									
02...	1600	--	.030	--	.040	--	<1	<10	10
23...	1415	--	.050	.020	.010	<1	<1	<10	--
DEC									
14...	1405	.110	.060	.040	.010	<1	<1	<10	--
FEB									
01...	1450	.130	.030	.020	.010	<1	16	10	10
MAR									
01...	1515	.140	.050	<.010	.050	<1	<1	<10	10
APR									
12...	1800	--	--	.010	<.010	<1	<1	<10	<0
MAY									
03...	1400	.090	.060	.040	.020	<1	<1	<10	10
24...	1530	.170	.150	.110	.010	<1	<1	<10	50
JUN									
28...	1530	--	--	.040	.010	<1	<1	10	<0
AUG									
02...	1825	.150	.080	.020	--	<1	<1	10	0
23...	1600	.130	.040	.020	<.010	1	1	<10	20

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 northwest of Malvern, 5.8 mi downstream from Remmel Dam, and at mile 450.1.

DRAINAGE AREA.--1,585 mi^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: Drainag area.

GAGE.--Water-stage recorder. Datum of gage is 228.05 ft National Geodetic Vertical Datum of 1929. March 1903 to April 1905, nonrecording gage at present site at datum 2.0 ft higher. June 1922 to September 1924, non-recording gage at present site and datum. January 1925 to March 1937, water-stage recorder at Remmel Dam, 5.8 mi upstream at datum 20.11 ft higher.

REMARKS.--Records fair. Flow regulated since 1925 by Lake Catherine, 5.8 mi upstream, capacity, 35,250 acre-ft, since 1932 by Lake Hamilton, capacity, 190,100 acre-ft, and since 1952 by Lake Ouachita, capacity, 2,768,400 acre-ft.

AVERAGE DISCHARGE.--56 years (1925-26, 1928-83), 2,379 ft^3/s, 1,724,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 140,000 ft^3/s May 15, 1923, gage height, 30.3 ft; minimum, 34 ft^3/s May 15, 1977, gage height, 0.33 ft; minimum daily observed, 40 ft^3/s Dec. 18-20, 1904.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 125,000 ft^3/s Dec. 3, gage height, 27.06 ft, from floodmarks; minimum daily, 300 ft^3/s Sept. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1670	1330	7300	13700	3970	2290	1660	6350	585	2460	325	340
2	1550	2450	7510	13100	2470	1750	2210	4470	545	6530	390	1380
3	1370	1780	70000	12100	2070	1890	1900	14400	510	2150	385	915
4	1380	1010	14200	10800	2460	1860	1630	8600	580	2030	740	1270
5	1530	1120	10700	10900	1970	7320	2100	8500	450	7030	670	355
6	1530	616	9810	12600	2020	3720	1810	8430	3670	6500	310	395
7	837	595	11900	12600	2120	2470	2180	8430	1330	4770	445	610
8	1780	1120	13000	12000	2180	2620	2180	8120	1850	6290	305	1830
9	636	1430	12900	11100	2580	2630	1580	7200	3950	7790	475	1730
10	1120	1360	12700	10600	3790	2630	510	6690	4480	4240	375	645
11	885	1020	12300	10500	2700	2380	1300	6720	2410	3980	310	525
12	902	2060	10300	9110	2210	1080	1680	7060	1770	4180	1000	465
13	871	652	12300	8670	2160	460	2000	7580	2060	3770	525	775
14	764	609	14500	8210	2180	1760	2350	10800	2160	2390	660	475
15	454	1840	10700	7620	1950	1900	1940	15600	2380	2450	605	905
16	578	1110	11100	8700	2050	1840	1730	8470	2420	2450	395	350
17	449	2140	12600	7700	2020	1910	555	7120	2340	2140	480	330
18	903	2140	12900	4540	2130	1980	1660	10600	2440	2220	435	325
19	755	2520	12900	5400	1880	1500	1700	9050	2440	2440	645	305
20	1440	3590	12400	4960	1680	1190	2040	8110	2440	3570	520	325
21	2120	3890	11200	5370	2120	1100	1670	8650	2440	2440	680	315
22	1710	2040	12600	2700	2260	1080	2020	9980	2410	3830	425	325
23	1930	7450	14300	2700	2260	1700	16200	5740	2430	3800	615	315
24	476	6520	14200	4300	1580	1100	7850	935	1770	2150	925	340
25	1300	3450	10800	2710	2020	605	1910	450	1270	2460	880	300
26	1480	2940	10800	2450	1860	785	2410	1380	875	1940	330	1420
27	1730	20900	13300	2240	1840	1230	2110	1220	605	1200	560	1230
28	1300	14000	13200	2220	2030	1660	555	795	1380	525	345	820
29	1370	9810	9710	915	---	1660	750	605	4510	400	515	1030
30	1900	7020	12100	355	---	1750	3320	345	3800	335	445	1000
31	1810	---	13400	1950	---	1360	---	725	---	340	335	---
TOTAL	38530	108512	427630	222820	62560	59210	73510	203125	62300	98800	16050	21345
MEAN	1243	3617	13790	7188	2234	1910	2450	6552	2077	3187	518	712
MAX	2120	20900	70000	13700	3970	7320	16200	15600	4510	7790	1000	1830
MIN	449	595	7300	355	1580	460	510	345	450	335	305	300
AC-FT	76420	215200	848200	442000	124100	117400	145800	402900	123600	196000	31840	42340

CAL YR 1982 TOTAL 1110139 MEAN 3041 MAX 70000 MIN 313 AC-FT 2202000
WTR YR 1983 TOTAL 1394392 MEAN 3820 MAX 70000 MIN 300 AC-FT 2766000

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV										
02...	1500	0	9827	9827	--	3520	6.9	20.0	16.0	5.4
23...	1335	0	9827	9827	--	10700	6.8	17.0	16.0	20
DEC										
14...	1350	0	9827	9827	14500	--	6.5	10.0	11.0	45
FEB										
01...	1405	0	9827	9827	3970	--	6.5	12.0	9.0	5.4
MAR										
01...	1440	0	9827	9827	2290	--	7.4	25.0	12.0	4.5
APR										
12...	1700	0	9827	9827	1680	--	7.1	22.0	15.0	6.0
MAY										
03...	1325	0	9827	9827	12000	--	6.7	26.0	16.0	10
24...	1455	0	9827	9827	389	--	6.7	32.0	20.0	9.5
JUN										
28...	1500	0	9827	9827	--	3060	6.7	35.0	22.0	6.4
AUG										
02...	1720	0	9827	9827	--	2180	6.3	35.0	31.0	3.4
23...	1540	0	9827	9827	--	57	6.9	31.0	29.0	2.5

DATE	TIME	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)
NOV										
02...	1500	7.6	76	14	--	--	44	6.0	--	42
23...	1335	9.7	97	--	3.3	<4	24	6.0	4.0	51
DEC										
14...	1350	10.9	98	13	6.0	190	12	6.0	2.5	41
FEB										
01...	1405	11.2	96	8	.9	36	16	8.0	3.0	31
MAR										
01...	1440	12.2	113	7	3.3	40	42	5.0	11	67
APR										
12...	1700	10.6	104	--	5.9	<4	24	8.0	4.0	35
MAY										
03...	1325	10.2	--	24	5.7	1100	--	10	3.5	45
24...	1455	10.1	--	53	3.2	16	--	17	4.0	52
JUN										
28...	1500	8.5	--	9	1.8	72	--	5.0	7.0	47
AUG										
02...	1720	9.2	--	16	5.8	210	--	3.0	4.5	37
23...	1540	9.0	--	11	3.4	4	--	10	4.0	42

07359500 OUACHITA RIVER NEAR MALVERN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)
NOV										
02...	1500	.06	9	--	.040	.16	.20	--	--	--
23...	1335	.07	10	--	.060	--	--	--	--	.070
DEC										
14...	1350	.06	14	.130	.100	.10	.20	.33	1.5	.060
FEB										
01...	1405	.04	4	.150	.030	--	<.10	--	--	.030
MAR										
01...	1440	.09	4	.160	.090	.71	.80	.96	4.2	.030
APR										
12...	1700	.05	7	--	--	--	.60	--	--	.060
MAY										
03...	1325	.06	10	.160	.040	.86	.90	1.1	4.7	.080
24...	1455	.07	5	.150	.050	2.3	2.3	2.5	11	.110
JUN										
28...	1500	.06	10	.170	.050	1.4	1.4	1.6	6.9	.060
AUG										
02...	1720	.05	4	.120	.060	--	<.10	--	--	.040
23...	1540	.06	1	.100	.020	.28	.30	.40	1.8	.050

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	PCB, TOTAL (UG/L) (39516)
NOV									
02...	1500	.050	--	--	9	<10	--	140	.0
23...	1335	.020	--	2	8	11	--	--	--
DEC									
14...	1350	.030	--	<1	2	<10	--	--	--
FEB									
01...	1405	.020	--	<1	58	<10	--	40	.0
MAR									
01...	1440	.050	--	1	12	15	--	290	--
APR									
12...	1700	.010	<5	<1	1	<10	<5	100	--
MAY									
03...	1325	.020	--	<1	1	<10	--	40	.0
24...	1455	.010	--	<1	3	14	--	110	--
JUN									
28...	1500	.010	--	<1	<1	15	--	80	--
AUG									
02...	1720	--	<5	<1	5	12	<5	110	.0
23...	1540	<.010	--	1	6	17	--	300	--

DATE	TIME	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)
NOV									
02...	1500	.000	.000	.000	.000	.000	.00	.00	.0
FEB									
01...	1405	.000	.000	.000	.000	.000	.00	.00	.0
MAY									
03...	1325	.000	.000	.000	.000	.000	.00	.00	.0
AUG									
02...	1720	.000	.000	.000	.000	.000	.00	.00	.0

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 west of Donaldson, 3.6 mi downstream from Black Branch.

DRAINAGE AREA.--1,732 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV											
02...	1420	0	9827	9827	6.8	20.0	17.0	5.8	7.7	79	--
23...	1300	0	9827	9827	6.6	16.0	16.0	60	8.6	86	2.7
DEC											
14...	1325	0	9827	9827	6.6	10.0	11.0	50	10.3	93	1.9
FEB											
01...	1340	0	9827	9827	6.6	11.0	9.0	25	10.6	91	1.6
MAR											
01...	1400	0	9827	9827	7.3	25.0	12.0	5.5	11.3	105	.6
APR											
12...	1615	0	9827	9827	6.9	22.0	18.0	5.0	10.5	111	1.1
MAY											
03...	1255	0	9827	9827	6.9	21.0	16.0	20	9.7	--	2.6
24...	1420	0	9827	9827	6.6	32.0	20.0	15	8.3	--	1.2
JUN											
28...	1420	0	9827	9827	6.6	35.0	24.0	4.9	7.6	--	4.4
AUG											
02...	1650	0	9827	9827	6.3	25.0	29.0	3.1	8.7	--	4.9
23...	1450	0	9827	9827	7.0	35.0	29.0	4.0	8.1	--	2.2

DATE	TIME	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)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
NOV											
02...	1420	--	16	5.0	--	33	.04	9	--	.010	--
23...	1300	920	24	7.0	4.0	63	.09	71	--	.050	--
DEC											
14...	1325	110	22	6.0	3.5	41	.06	22	.130	.070	--
FEB											
01...	1340	480	16	8.0	3.5	38	.05	24	.170	.040	--
MAR											
01...	1400	8	30	5.0	7.0	47	.06	4	.170	.040	--
APR											
12...	1615	12	18	6.0	4.0	38	.05	5	--	--	--
MAY											
03...	1255	1000	--	7.0	3.5	44	.06	29	.150	.050	.45
24...	1420	190	--	5.0	4.0	48	.07	14	.170	.020	--
JUN											
28...	1420	24	--	5.0	7.0	50	.07	5	.240	.040	--
AUG											
02...	1650	100	--	4.0	6.0	42	.06	5	.230	.070	--
23...	1450	32	--	4.0	5.0	43	.06	5	.110	.010	--

07359580 OUACHITA RIVER NEAR DONALDSON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV										
02...	1420	--	--	--	--	.060	--	<1	<10	50
23...	1300	--	--	--	.160	.030	<1	2	<10	--
DEC										
14...	1325	--	--	--	.060	.020	<1	1	<10	--
FEB										
01...	1340	--	--	--	.070	.020	<1	11	12	60
MAR										
01...	1400	--	--	--	.010	.060	<1	<1	<10	10
APR										
12...	1615	--	--	--	.030	<.010	<1	<1	<10	20
MAY										
03...	1255	.50	.65	2.9	.090	.020	<1	<1	<10	50
24...	1420	--	--	--	.060	.010	<1	<1	27	70
JUN										
28...	1420	--	--	--	.050	.010	<1	<1	13	50
AUG										
02...	1650	--	--	--	.040	--	<1	<1	<10	80
23...	1450	--	--	--	.050	<.010	<1	<1	<10	100

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)
DEC										
14...	1325	.0	.000	.000	.000	.000	.000	.00	.00	.0

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 northeast of Amity.

DRAINAGE AREA.--291 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV											
02...	1150	0	9827	9827	7.0	20.0	17.0	70	8.1	84	--
23...	1200	0	9827	9827	6.5	17.0	15.0	400	8.4	82	5.2
DEC											
14...	1145	0	9827	9827	6.9	10.0	7.0	30	11.6	95	1.2
FEB											
01...	1225	0	9827	9827	7.0	9.0	9.0	50	11.0	95	2.7
MAR											
01...	1300	0	9827	9827	7.9	22.0	12.0	4.0	12.3	114	1.0
APR											
12...	1500	0	9827	9827	8.2	24.0	18.0	4.0	11.4	120	2.0
MAY											
03...	1150	0	9827	9827	6.8	18.0	14.0	160	9.2	--	3.8
24...	1310	0	9827	9827	7.1	32.0	20.0	20	9.7	--	1.6
JUN											
28...	1315	0	9827	9827	7.5	35.0	28.0	10	8.5	--	3.0
AUG											
02...	1545	0	9827	9827	6.8	35.0	31.0	2.5	9.9	--	3.1
23...	1350	0	9827	9827	7.6	39.0	31.0	2.0	8.9	--	4.1

DATE	TIME	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)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
NOV											
02...	1150	--	28	6.0	--	66	.09	154	--	.010	--
23...	1200	>240	20	4.0	3.5	150	.20	506	--	.080	--
DEC											
14...	1145	80	24	5.0	3.0	48	.07	4	.330	.040	--
FEB											
01...	1225	>240	30	8.0	3.5	53	.07	52	.220	.080	.42
MAR											
01...	1300	4	30	6.0	2.5	50	.07	2	.080	.040	--
APR											
12...	1500	<4	3	7.0	4.0	40	.05	4	--	--	--
MAY											
03...	1150	>600	--	7.0	4.0	72	.10	190	.190	.070	--
24...	1310	20	--	4.0	4.0	57	.08	10	.230	.020	--
JUN											
28...	1315	230	--	11	3.0	64	.09	10	.060	.050	--
AUG											
02...	1545	12	--	6.0	4.5	66	.09	2	.100	.070	--
23...	1350	16	--	5.0	4.0	69	.09	1	.020	<.010	--

07359770 CADDO RIVER NEAR AMITY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV										
02...	1150	--	--	--	--	.070	--	4	<10	90
23...	1200	--	--	--	.320	.080	<1	15	19	--
DEC										
14...	1145	--	--	--	.020	.050	<1	<1	<10	--
FEB										
01...	1225	.50	.72	3.2	.130	.040	<1	0	<10	20
MAR										
01...	1300	--	--	--	<.010	.050	<1	1	<10	70
APR										
12...	1500	--	--	--	.020	<.010	<1	<1	<10	50
MAY										
03...	1150	--	--	--	.300	.070	<1	4	14	50
24...	1310	--	--	--	.060	.010	<1	1	91	60
JUN										
28...	1315	--	--	--	.070	.010	<1	<1	12	130
AUG										
02...	1545	--	--	--	.020	--	<1	<1	13	60
23...	1350	--	--	--	.030	<.010	<1	4	10	90

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)
NOV										
23...	1200	.0	.000	.000	.000	.000	.000	.00	.00	.0

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 southwest of Sparkman.

DRAINAGE AREA.--2,716 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 05...	1115	0	9827	9827	7.1	29.0	24.0	5.6	8.6	101
NOV 16...	1115	0	9827	9827	7.0	9.0	11.0	3.6	10.7	96
JAN 25...	1105	0	9827	9827	6.7	8.0	7.0	9.5	11.5	94
FEB 22...	1110	0	9827	9827	7.0	13.0	13.0	20	10.3	97
MAR 08...	1100	0	9827	9827	6.8	14.0	13.0	25	9.3	88
APR 19...	1135	0	9827	9827	6.7	5.0	13.0	15	9.2	--
MAY 17...	1050	0	9827	9827	5.5	23.0	21.0	40	4.4	--
JUN 14...	1045	0	9827	9827	6.7	28.0	23.0	15	8.0	--
JUL 19...	1115	0	9827	9827	6.8	30.0	23.0	6.0	8.2	--
AUG 16...	1100	0	9827	9827	6.8	30.0	29.0	4.5	7.4	--
SEP 20...	1100	0	9827	9827	6.8	27.0	27.0	6.2	7.6	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT 05...	1115	1.7	290	24	5.0	7.0	--	--	10	.070
NOV 16...	1115	1.3	4	26	3.0	7.0	59	.08	4	.070
JAN 25...	1105	.6	12	24	4.0	5.0	47	.06	18	.200
FEB 22...	1110	1.0	170	38	4.0	6.5	50	.07	19	.160
MAR 08...	1100	1.4	160	18	4.0	12	46	.06	19	.150
APR 19...	1135	1.3	32	--	1.0	6.0	54	.07	13	.100
MAY 17...	1050	4.8	>600	--	--	4.5	79	.11	42	.020
JUN 14...	1045	1.8	8	--	5.0	5.0	43	.06	14	.150
JUL 19...	1115	1.3	--	--	--	3.5	38	.05	14	.190
AUG 16...	1100	1.9	500	--	3.0	5.5	47	.06	4	.180
SEP 20...	1100	1.2	170	--	5.0	6.0	43	.06	6	.080

07360162 OUACHITA RIVER NEAR SPARKMAN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT 05...	1115	.040	--	<.010	<1	<1	14	40	.0
NOV 16...	1115	.040	.040	.010	<1	<1	<10	10	--
JAN 25...	1105	.150	.030	.030	<1	<1	<10	60	--
FEB 22...	1110	.030	.050	.030	<1	1	37	20	--
MAR 08...	1100	.050	.070	.040	<1	4	<10	--	--
APR 19...	1135	.060	.050	<.010	<1	1	<10	0	--
MAY 17...	1050	.060	.160	.030	<1	<1	<10	30	--
JUN 14...	1045	.050	--	--	--	<1	14	0	--
JUL 19...	1115	.070	.040	.150	<1	<1	<10	0	--
AUG 16...	1100	.060	.040	<.010	<1	<1	<10	20	--
SEP 20...	1100	--	.030	<.010	<1	<1	<10	0	--

DATE	TIME	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)
OCT 05...	1115	.000	.000	.000	.000	.000	.00	.00	.0

07360200 LITTLE MISSOURI RIVER NEAR LANGLEY, AR

LOCATION.--Lat 34°18'41", long 93°53'58", in SW 1/4 sec.16, T.5 S., R.27 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 84, 1.6 mi downstream from White Oak Creek, and 3.3 mi west of Langley.

DRAINAGE AREA.--68.4 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
NOV										
02...	1040	0	9827	9827	1000	6.9	20.0	17.0	25	9.1
23...	1040	0	9827	9827	--	6.3	17.0	15.0	30	9.6
DEC										
14...	1030	0	9827	9827	365	6.4	10.0	7.0	6.0	11.8
FEB										
01...	1110	0	9827	9827	900	6.3	12.0	9.0	20	11.1
MAR										
01...	1145	0	9827	9827	115	7.2	21.0	11.0	1.5	11.8
APR										
12...	1315	0	9827	9827	--	7.0	22.0	16.0	2.0	10.2
MAY										
03...	1100	0	9827	9827	3100	6.3	15.0	14.0	15	10.1
24...	1125	0	9827	9827	600	6.8	30.0	19.0	2.0	10.0
JUN										
28...	1130	0	9827	9827	--	6.8	30.0	25.0	1.6	8.0
AUG										
02...	1430	0	9827	9827	26	6.3	35.0	30.0	1.3	8.7
23...	1215	0	9827	9827	--	7.0	32.0	29.0	2.5	8.1

DATE	TIME	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)
NOV										
02...	1040	94	--	--	--	5.0	--	34	.05	26
23...	1040	94	1.8	<4	12	3.0	3.5	48	.07	18
DEC										
14...	1030	97	.9	8	4	2.0	2.0	23	.03	3
FEB										
01...	1110	96	.7	84	6	5.0	2.5	25	.03	6
MAR										
01...	1145	106	.5	12	12	3.0	3.5	26	.04	<1
APR										
12...	1315	102	.8	88	12	3.0	3.0	22	.03	<1
MAY										
03...	1100	--	.9	170	--	3.0	3.0	34	.05	14
24...	1125	--	.3	16	--	1.0	3.0	29	.04	1
JUN										
28...	1130	--	.6	230	--	3.0	2.5	26	.04	2
AUG										
02...	1430	--	1.7	44	--	2.0	4.0	29	.04	1
23...	1215	--	.9	54	--	6.0	3.0	43	.06	<1

07360200 LITTLE MISSOURI RIVER NEAR LANGLEY, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
NOV										
02...	1040	--	.040	--	.050	--	9	<10	30	--
23...	1040	--	.020	.050	.020	<1	<1	<10	--	.0
DEC										
14...	1030	.130	.050	.010	.040	<1	<1	<10	--	--
FEB										
01...	1110	.100	.020	.040	.040	<1	23	<10	10	--
MAR										
01...	1145	.040	.040	.010	.060	<1	2	<10	30	--
APR										
12...	1315	--	--	.010	<.010	<1	<1	3	0	--
MAY										
03...	1100	.100	.020	.040	.020	<1	1	<10	0	--
24...	1125	.040	.010	.010	.010	<1	1	<10	30	--
JUN										
28...	1130	.030	.040	.030	.010	<1	<1	<10	0	--
AUG										
02...	1430	.050	.020	.010	--	<1	1	10		--
23...	1215	.020	<.010	.020	<.010	<1	1	<10	20	--

DATE	TIME	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)
NOV									
23...	1040	.000	.000	.000	.000	.000	.00	.00	.0

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 downstream from Brushy Creek, 1.9 mi downstream from Suck Creek, and at mile 8.5.

DRAINAGE AREA.--178 mi^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 National Geodetic Vertical Datum of 1929. Prior to Oct. 22, 1954, at site 75 ft upstream at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--29 years, 273 ft^3/s, 20.83 in/yr, 197,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,500 ft^3/s May 2, 1958, gage height, 28.75 ft; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1905 reached a stage of 29.7 ft, from information by State Highway and Transportation Department, discharge, 40,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 6,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov. 27	1730	12,600	22.58	May 15	0200	25,100	26.28
Dec. 3	1430	*26,900	[b]28.43	July 2	0830	18,700	24.62

b from graph based on outside gage readings.

Minimum discharge, 0.89 ft^3/s Aug. 28 and 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	42	538	452	1590	278	243	228	242	358	7.4	1.9
2	1.8	109	2180	385	896	254	505	211	203	12300	6.6	2.3
3	1.7	376	18600	337	588	236	330	1080	184	4510	5.3	3.0
4	1.5	209	4830	268	431	739	273	541	286	1050	5.0	3.5
5	1.5	142	1450	243	468	2360	330	362	240	3360	4.7	3.5
6	3.3	103	960	224	709	1030	364	276	194	1420	4.2	3.0
7	8.2	79	723	209	645	709	290	242	169	552	4.7	2.8
8	22	62	561	196	538	524	271	279	132	353	3.5	3.3
9	60	50	449	181	791	409	254	216	100	264	3.3	4.2
10	45	40	444	163	972	337	234	186	80	218	2.6	4.2
11	31	33	2170	140	667	283	203	205	69	184	2.8	5.9
12	24	29	1620	117	513	258	184	261	59	142	2.5	8.7
13	15	20	978	100	419	245	416	216	51	109	3.7	10
14	11	20	760	92	358	224	893	1910	45	92	4.5	8.2
15	8.7	24	603	84	309	209	444	16400	42	84	4.2	6.6
16	7.0	21	463	72	273	191	317	1910	45	82	4.5	5.9
17	5.6	18	385	69	250	172	264	966	40	72	3.3	5.6
18	4.7	18	342	66	226	152	238	999	33	59	2.1	4.5
19	4.0	340	300	60	211	135	214	1410	29	51	2.1	4.5
20	4.5	1050	266	55	194	178	238	975	26	43	1.9	4.0
21	2.8	655	245	58	232	201	220	1830	25	35	1.6	3.0
22	2.5	373	230	54	1630	142	193	1690	28	30	1.6	3.7
23	2.0	1010	302	51	1040	114	1640	896	27	27	1.6	4.7
24	3.0	588	1260	50	806	109	978	787	28	23	1.3	5.6
25	5.3	347	1420	47	579	98	642	510	27	19	1.3	5.9
26	5.9	421	2040	46	444	105	473	693	49	16	1.2	6.3
27	5.3	8710	2830	49	369	201	367	1490	66	14	.95	5.9
28	6.3	3820	1890	51	317	150	302	633	59	13	1.1	6.3
29	20	1140	1030	50	---	114	269	429	2170	11	1.2	6.3
30	57	733	760	53	---	172	251	319	703	7.4	1.9	7.0
31	71	---	570	55	---	205	---	268	---	7.8	2.3	---
TOTAL	443.4	20582	51199	4077	16465	10534	11840	38418	5451	25506.2	94.95	150.3
MEAN	14.3	686	1652	132	588	340	395	1239	182	823	3.06	5.01
MAX	71	8710	18600	452	1630	2360	1640	16400	2170	12300	7.4	10
MIN	1.5	18	230	46	194	98	184	186	25	7.4	.95	1.9
CFSM	.08	3.85	9.28	.74	3.30	1.91	2.22	6.96	1.02	4.62	.02	.03
IN.	.09	4.30	10.70	.85	3.44	2.20	2.47	8.03	1.14	5.33	.02	.03
AC-FT	879	40820	101600	8090	32660	20890	23480	76200	10810	50590	188	298

CAL YR 1982 TOTAL 137472.07 MEAN 377 MAX 18600 MIN .34 CFSM 2.12 IN 28.73 AC-FT 272700
WTR YR 1983 TOTAL 184760.85 MEAN 506 MAX 18600 MIN .95 CFSM 2.84 IN 38.61 AC-FT 366500

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 northeast of Boughton, 5.9 mi downstream from Howard Creek, 10.2 mi downstream from Antoine River, and at mile 46.8.

DRAINAGE AREA.--1,068 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 20...	0500	0	9827	9827	7.2	10.0	16.0	20	8.8	88
NOV 17...	0530	0	9827	9827	6.8	10.0	10.0	7.4	10.0	88
DEC 07...	0530	0	9827	9827	6.6	9.0	10.0	30	10.3	91
JAN 26...	0500	0	9827	9827	6.8	9.0	8.0	20	11.4	96
FEB 23...	0500	0	9827	9827	7.4	10.0	11.0	40	9.5	86
MAR 23...	0500	0	9827	9827	6.9	9.0	10.0	120	10.3	91
APR 20...	0500	0	9827	9827	7.0	8.0	10.0	20	9.5	--
MAY 17...	0500	0	9827	9827	6.9	20.0	19.0	40	7.3	--
JUN 15...	0500	0	9827	9827	6.9	20.0	21.0	15	8.2	--
JUL 20...	0500	0	9827	9827	6.9	25.0	25.0	7.5	7.7	--
AUG 17...	0500	0	9827	9827	6.5	30.0	26.0	9.0	7.4	--
SEP 21...	0500	0	9827	9827	6.8	20.0	11.0	20	7.4	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT 20...	0500	.9	76	30	7.0	5.5	60	.08	16	--
NOV 17...	0530	1.0	60	18	8.0	5.0	53	.07	8	.070
DEC 07...	0530	1.4	410	20	11	2.5	51	.07	32	.250
JAN 26...	0500	.5	28	24	6.0	4.0	44	.06	10	.220
FEB 23...	0500	1.4	>240	36	10	5.5	100	.14	36	.170
MAR 23...	0500	1.6	36	34	22	6.0	73	.10	8	.200
APR 20...	0500	.9	44	--	9.0	4.5	71	.10	12	.130
MAY 17...	0500	1.6	210	--	6.0	6.0	74	.10	26	.160
JUN 15...	0500	.8	36	--	--	4.0	39	.05	8	--
JUL 20...	0500	1.5	210	--	21	5.0	66	.09	13	.250
AUG 17...	0500	1.1	40	--	6.0	3.0	50	.07	12	.180
SEP 21...	0500	.8	600	--	7.0	3.5	41	.06	12	.070

07361600 LITTLE MISSOURI RIVER NEAR BOUGHTON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT 20...	0500	.190	--	.020	<1	<1	--	90	--
NOV 17...	0530	.040	.050	.020	<1	<1	30	60	--
DEC 07...	0530	.040	.080	.040	<1	2	29	--	.0
JAN 26...	0500	.050	.030	.030	<1	<1	20	90	--
FEB 23...	0500	.050	.110	.070	<1	10	45	110	--
MAR 23...	0500	.030	.030	.020	1	2	18	100	--
APR 20...	0500	.030	.050	<.010	--	1	--	110	--
MAY 17...	0500	.070	.100	.070	2	4	--	80	--
JUN 15...	0500	.060	.040	--	1	<1	--	120	--
JUL 20...	0500	.080	.050	.020	<1	1	37	--	--
AUG 17...	0500	.040	.040	<.010	<1	<1	31	130	--
SEP 21...	0500	.050	.060	.020	<1	1	19	60	--

DATE	TIME	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)
DEC 07...	0530	.000	.000	.000	.000	.000	.00	.00	.0

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 downstream from Ecore Fabre Bayou, 6.2 mi upstream from Two Bayou Creek, and at mile 354.1.

DRAINAGE AREA.--5,357 mi^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 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 downstream at present datum. Aug. 10, 1928, to May 31, 1949, supplementary nonrecording gage, 4.5 mi upstream. Since Jan. 1, 1957, auxiliary water-stage recorder 3.2 mi downstream.

REMARKS.--Records good except those for period of no gage-height record, June 30 to Aug. 9, which are fair. Flow regulated since 1925 by Lake Catherine, 102 mi upstream, capacity, 35,250 acre-ft, since 1932 by Lake Hamilton, capacity 190,100 acre-ft, since 1949 by Lake Greeson, capacity, 407,900 acre-ft, since 1952 by Lake Ouachita, capacity, 2,768,400 acre-ft, and since August 1969 by DeGray Lake, capacity, 881,900 acre-ft.

AVERAGE DISCHARGE.--55 years, 7,489 ft^3/s, 5,426,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 243,000 ft^3/s Apr. 3, 1945, gage height, 44.82 ft; minimum, 125 ft^3/s Sept. 16, 24-26, 1943.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 95,700 ft^3/s Dec. 7; maximum gage height, 38.06 ft Dec. 7; minimum daily, 755 ft^3/s Sept. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1520	2500	29000	45500	7120	8810	5720	5200	4870	13000	3500	1520
2	2310	2600	30500	38200	16800	7980	5230	9260	4280	17000	2700	1760
3	2750	2670	26200	32500	17000	7090	6630	8990	3740	17800	1800	1720
4	2760	5200	26600	27800	17100	7450	6120	13800	3760	21400	1400	1930
5	2330	4240	45000	23700	14800	14600	5100	18100	3880	21000	1400	2300
6	2150	2920	59500	20600	13900	23100	8050	16900	5080	31000	1600	2210
7	2980	2310	92100	22100	14200	26700	10100	14600	6400	36000	2800	2570
8	3360	1640	76600	18400	14000	25300	9110	13200	9060	30000	1500	2030
9	3040	1380	58400	17500	15700	20400	8140	12000	8710	24000	830	1330
10	2900	1660	46700	15700	17800	14100	7250	11300	8920	21000	1570	4010
11	2210	2010	41100	12700	19800	10700	6030	10000	9190	18000	1230	3790
12	2120	2020	38300	13300	21200	8920	4210	9210	8590	14000	1570	3160
13	1970	1700	37700	12400	21300	6720	4190	10200	6820	11000	1620	2340
14	1660	2820	38000	11900	16800	5280	4620	10200	5190	13000	1500	1630
15	1500	1770	39500	11100	12400	4450	9470	12900	5200	8500	1810	1730
16	1390	1740	40600	10100	10000	5590	10800	22900	5520	10000	1700	1730
17	1180	2630	39200	10300	8660	5460	8830	31700	5270	9200	1500	1050
18	1060	2710	36300	9890	7690	5900	6330	39600	4930	6800	1490	1410
19	1010	3320	33600	8270	7190	5740	3890	45800	4870	5700	1580	1040
20	1150	4740	31400	8020	6860	5380	4120	47900	4940	6000	2070	1060
21	1290	8220	29600	7790	6910	5440	4690	44900	4750	6400	1590	1020
22	1730	9380	27900	8120	10200	5120	4440	40100	4750	7300	2350	915
23	2330	8230	26400	7030	15200	4980	5640	37600	5270	7700	2250	1000
24	2180	8310	25200	5700	18300	4810	15700	36600	4910	8300	2090	903
25	2270	11400	26000	5600	19100	5790	22800	32700	4490	8300	2270	823
26	1510	9300	31400	5580	18000	4810	23400	25900	4030	7500	2060	755
27	1590	7480	42000	5900	14800	3710	16800	18500	3630	5900	1980	768
28	2110	13300	54300	5450	10500	3450	10300	15400	3450	5500	1820	977
29	2260	21200	59300	5440	---	4360	5380	12600	4660	4600	1210	1130
30	2080	26500	58600	3920	---	4960	3930	9310	6800	4000	1120	1660
31	2130	---	52800	3320	---	5550	---	6630	---	4000	886	---
TOTAL	62830	175900	1299800	433830	393330	272650	247020	644000	165960	403900	54796	50271
MEAN	2027	5863	41930	13990	14050	8795	8234	20770	5532	13030	1768	1676
MAX	3360	26500	92100	45500	21300	26700	23400	47900	9190	36000	3500	4010
MIN	1010	1380	25200	3320	6860	3450	3890	5200	3450	4000	830	755
AC-FT	124600	348900	2578000	860500	780200	540800	490000	1277000	329200	801100	108700	99710

CAL YR 1982 TOTAL 2998474 MEAN 8215 MAX 92100 MIN 750 AC-FT 5947000
WTR YR 1983 TOTAL 4204287 MEAN 11520 MAX 92100 MIN 755 AC-FT 8339000

07362000 OUACHITA RIVER AT CAMDEN, AR--CONTINUED
(National stream-quality accounting network)

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT 12...	1045	0	80513	80010	2020	91	7.4	20.5	15	7.4
FEB 17...	0730	0	80513	80010	9500	64	7.4	9.5	17	10.2
APR 14...	0830	9	80513	80010	5950	68	7.2	15.5	15	9.0
AUG 11...	0730	9	80513	80010	1160	59	7.6	27.0	7.0	6.4

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)
OCT 12...	1045	82	760	33	67	24	3	3	6.7	1.8
FEB 17...	0730	89	760	8	K200	19	4	4	5.7	1.1
APR 14...	0830	90	760	21	56	19	4	4	5.6	1.3
AUG 11...	0730	81	758	10	46	19	2	2	5.4	1.3

DATE	TIME	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)
OCT 12...	1045	7.2	37	.7	1.7	21	9.0	9.1	.40	5.3
FEB 17...	0730	4.0	31	.4	.60	15	7.3	4.9	<.10	7.0
APR 14...	0830	4.6	32	.5	1.2	15	10	6.4	<.10	6.1
AUG 11...	0730	3.2	25	.3	1.4	17	6.7	3.4	<.10	5.5

DATE	TIME	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, NITRATE DISSOLVED (MG/L AS N) (00618)	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)
OCT 12...	1045	58	54	.08	.220	.220	.090	.12	.90	.090
FEB 17...	0730	44	40	.06	.200	.200	.100	.13	.50	.040
APR 14...	0830	52	45	.07	.120	.120	.060	.08	.30	.050
AUG 11...	0730	44	38	.06	.110	.110	.120	.15	.30	.020

07362000 OUACHITA RIVER AT CAMDEN, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)
OCT										
12...	1045	.28	.050	.030	60	1	35	<1	<1	4
FEB										
17...	0730	.12	.020	.020	20	1	88	1	1	<1
APR										
14...	0830	.15	.040	.030	40	1	61	<.5	<1	2
AUG										
11...	0730	.06	.010	<.010	<10	1	30	<.5	<1	<1

DATE	TIME	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)
OCT									
12...	1045	<3	--	140	--	5	31	<.1	<10
FEB									
17...	0730	3	6	240	3	4	63	.2	10
APR									
14...	0830	<3	3	300	6	<4	61	<.1	<10
AUG									
11...	0730	<3	3	250	3	<4	92	<.1	<10

DATE	TIME	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	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									
12...	1045	--	<1	<1	46	10	30	164	84
FEB									
17...	0730	6	<1	<1	46	73	27	693	85
APR									
14...	0830	4	<1	<1	50	25	20	321	97
AUG									
11...	0730	<1	<1	<1	45	6	12	38	96

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 downstream from Camp Creek, 3.3 mi northwest of Smackover, and at mile 22.0.

DRAINAGE AREA.--385 mi^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 National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--22 years, 374 ft^3/s, 13.19 in/yr, 271,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,700 ft^3/s June 8, 1974, gage height, 24.97 ft, from rating curve extended above 31,000 ft^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.--Peak discharge above base of 2,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 16	0600	3,660	14.74	Mar. 6	1800	4,260	14.98
Dec. 28	1500	*13,500	19.08	May 23	2100	2,970	13.85
Feb. 11	2400	2,910	13.88				

Minimum discharge, 0.33 ft^3/s Aug. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	31	714	1760	1140	414	251	139	121	242	6.4	6.9
2	1.8	33	585	1350	2060	347	329	134	113	185	5.9	8.9
3	1.9	38	491	939	2320	313	443	139	108	183	5.0	9.5
4	1.9	52	910	630	1980	339	423	159	106	270	4.3	8.7
5	2.5	74	1250	446	1830	1540	378	151	119	173	3.7	7.4
6	4.6	73	1300	367	2460	3670	421	125	179	111	3.4	6.2
7	8.0	52	1090	331	2780	3330	516	109	220	83	3.1	5.5
8	19	39	1100	321	2510	2280	557	111	226	68	2.6	4.7
9	38	34	1010	331	2180	1690	523	115	172	56	2.8	4.3
10	66	30	585	324	2360	1170	426	110	119	46	3.5	4.0
11	62	29	856	298	2730	666	326	113	96	39	3.8	3.3
12	57	28	1700	264	2800	407	259	152	83	34	2.9	3.6
13	47	27	2200	234	2370	330	228	167	73	31	2.3	6.1
14	38	26	2140	213	1860	299	230	163	65	30	2.6	5.9
15	33	27	2460	204	1390	286	226	263	60	27	3.5	4.5
16	28	28	3440	196	943	272	220	455	57	25	2.7	3.9
17	26	44	2860	186	626	281	192	321	53	25	2.5	3.2
18	23	92	2140	179	450	369	169	194	51	25	1.7	2.8
19	22	178	1670	174	369	389	158	295	63	23	1.2	3.5
20	22	310	1310	171	324	346	158	578	64	23	1.1	6.4
21	22	372	871	180	341	351	159	946	52	23	1.1	11
22	22	315	495	191	1040	356	165	1910	52	21	1.0	10
23	24	265	334	195	1770	324	218	2710	82	19	.88	13
24	24	292	289	189	2070	422	336	2610	114	17	.55	14
25	23	365	332	178	1760	503	385	1890	160	15	.44	12
26	21	277	871	170	1400	440	311	1180	199	13	1.2	9.3
27	20	234	2850	166	1020	458	205	428	296	12	2.2	7.7
28	19	532	11700	163	629	468	166	248	306	11	1.5	6.4
29	25	746	8400	163	---	380	150	214	202	11	1.2	5.5
30	28	772	3680	159	---	285	144	167	198	8.5	1.9	4.6
31	29	---	2300	168	---	249	---	136	---	7.2	5.3	---
TOTAL	760.5	5415	61933	10840	45512	22974	8672	16432	3809	1856.7	82.27	202.8
MEAN	24.5	181	1998	350	1625	741	289	530	127	59.9	2.65	6.76
MAX	66	772	11700	1760	2800	3670	557	2710	306	270	6.4	14
MIN	1.8	26	289	159	324	249	144	109	51	7.2	.44	2.8
CFSM	.06	.47	5.19	.91	4.22	1.93	.75	1.38	.33	.16	.007	.02
IN.	.07	.52	5.98	1.05	4.40	2.22	.84	1.59	.37	.18	.01	.02
AC-FT	1510	10740	122800	21500	90270	45570	17200	32590	7560	3680	163	402

CAL YR 1982 TOTAL 125340.23 MEAN 343 MAX 11700 MIN .55 CFSM .89 IN 12.11 AC-FT 248600
WTR YR 1983 TOTAL 178489.27 MEAN 489 MAX 11700 MIN .44 CFSM 1.27 IN 17.25 AC-FT 354000

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 north of Smackover.

DRAINAGE AREA.--411 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 12...	1140	0	9827	9827	62	6.7	16.0	19.0	8.0	5.8
DEC 14...	1020	0	9827	9827	2310	5.5	15.0	6.0	40	10.3
JAN 11...	1036	0	9827	9827	322	5.4	12.0	8.0	6.0	11.7
FEB 15...	1008	0	9827	9827	1500	5.7	14.0	9.0	10	9.1
MAR 22...	1008	0	9827	9827	384	5.7	11.0	12.0	15	9.2
APR 12...	1006	0	9827	9827	280	5.7	23.0	11.0	15	7.8
MAY 10...	1038	0	9827	9827	119	5.8	25.0	19.0	20	6.4
JUN 07...	1039	0	9827	9827	238	5.5	27.0	22.0	50	6.2
JUL 12...	1058	0	9827	9827	37	5.0	33.0	27.0	30	4.8
AUG 09...	1030	0	9827	9827	3.0	5.5	33.0	29.0	25	4.2
SEP 13...	1027	0	9827	9827	7.0	6.2	27.0	25.0	15	4.0

DATE	TIME	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)
OCT 12...	1140	62	--	1.5	120	160	10	610	1170
DEC 14...	1020	82	41	2.0	460	36	10	90	175
JAN 11...	1036	98	25	.9	4	100	8.0	290	479
FEB 15...	1008	78	26	1.0	4	38	6.0	85	180
MAR 22...	1008	85	33	1.1	<4	72	8.0	200	388
APR 12...	1006	70	33	.5	8	82	9.0	220	389
MAY 10...	1038	--	38	.8	64	--	4.0	490	923
JUN 07...	1039	--	40	--	1000	--	--	210	472
JUL 12...	1058	--	35	.8	34	--	7.0	410	901
AUG 09...	1030	--	35	2.3	8	--	--	740	1440
SEP 13...	1027	--	--	1.5	52	--	5.0	680	1240

07362110 SMACKOVER CREEK NORTH OF SMACKOVER, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)
OCT									
12...	1140	1.6	13	--	.060	.54	.60	--	--
DEC									
14...	1020	.24	10	--	.050	.45	.50	--	--
JAN									
11...	1036	.65	9	.100	.070	.33	.40	.50	2.2
FEB									
15...	1008	.24	8	.020	.030	--	<.10	--	--
MAR									
22...	1008	.53	15	.040	.050	.45	.50	.54	2.4
APR									
12...	1006	.53	18	.080	.050	.55	.60	.68	3.0
MAY									
10...	1038	1.3	18	.150	.280	.42	.70	.85	3.8
JUN									
07...	1039	.64	58	.210	.110	.49	.60	.81	3.6
JUL									
12...	1058	1.2	26	.240	.070	1.1	1.2	1.4	6.4
AUG									
09...	1030	2.0	16	.050	.050	--	<.10	--	--
SEP									
13...	1027	1.7	10	.060	.010	1.1	1.1	1.2	5.1

DATE	TIME	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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									
12...	1140	.020	<.010	6	<1	1	34	<5	80
DEC									
14...	1020	.060	.040	--	<1	1	10	--	--
JAN									
11...	1036	.010	.070	--	<1	--	11	--	70
FEB									
15...	1008	.040	.090	--	<1	5	17	--	60
MAR									
22...	1008	.050	<.010	--	<1	2	16	--	50
APR									
12...	1006	.050	.010	<5	<1	1	21	5	--
MAY									
10...	1038	.050	.010	--	<1	1	<10	--	40
JUN									
07...	1039	.110	.020	--	--	4	32	--	--
JUL									
12...	1058	.050	.010	<5	1	<1	38	<5	60
AUG									
09...	1030	.020	.010	--	1	<1	36	--	70
SEP									
13...	1027	--	.010	--	1	4	19	--	30

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 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT 12...	0925	9	9827	9827	7.2	14.0	21.0	30	7.5	83	1.5
NOV 09...	1045	9	9827	9827	5.9	13.0	11.0	2.5	--	--	1.4
DEC 14...	0902	9	9827	9827	5.7	12.0	5.0	40	10.5	82	2.1

DATE	TIME	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)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT 12...	0925	60	36	8.0	43	140	.19	18	--	.070	--
NOV 09...	1045	--	540	12	1600	2620	3.6	12	.110	.190	.41
DEC 14...	0902	710	4	11	7.0	77	.10	6	--	.580	--

DATE	TIME	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT 12...	0925	--	--	--	.040	.010	<1	<1	19	40
NOV 09...	1045	.60	.71	3.1	.060	--	1	25	23	--
DEC 14...	0902	--	--	--	.060	.040	<1	1	28	--

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)
NOV 09...	1045	.0	.000	.000	.000	.000	.000	.00	.00	.0
DEC 14...	0902	.0	.000	.000	.000	.000	.000	.00	.00	.0

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 upstream from Caney Creek, 4.0 mi southeast of Fordyce, 12.0 mi upstream from White Water Creek, and at mile 38.2.

DRAINAGE AREA.--240 mi^2.

PERIOD OF RECORD.--August 1951 to September 1983 (discontinued as a continuous-record station, converted to a crest-stage partial-record station).

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 160.63 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those below 1.0 ft^3/s, which are fair.

AVERAGE DISCHARGE.--32 years, 238 ft^3/s, 13.47 in/yr, 172,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,800 ft^3/s May 2, 1958, gage height, 16.47 ft; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in January 1938 reached a stage of 15.1 ft, from information by Arkansas State Highway and Transportation Department, discharge, 15,800 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 2,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 28	0300	*18,200	15.95
May 22	0200	4,170	12.38

No flow at times.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	5.9	49	1290	751	530	85	166	72	152	.23	.00
2	.00	7.0	44	995	1110	288	109	108	56	112	.16	.00
3	.00	9.0	161	789	1410	230	157	97	47	79	.08	.00
4	.00	10	570	600	1540	198	220	102	48	141	.04	.00
5	.00	9.4	532	409	1390	807	326	107	50	161	.00	.00
6	.00	7.2	425	262	1390	1150	403	113	52	96	.00	.00
7	2.4	5.6	351	181	1190	1910	487	118	71	57	.00	.00
8	12	4.3	290	139	995	2180	591	98	180	37	.00	.00
9	12	3.2	222	122	948	1580	719	75	277	25	.00	.00
10	9.4	2.3	142	108	1270	1120	856	63	238	18	.00	.00
11	5.7	1.4	426	95	1290	832	831	60	110	14	.00	.00
12	9.6	1.3	762	82	1200	488	615	58	57	11	.00	.00
13	20	1.3	748	72	1070	265	351	55	42	9.8	.00	.00
14	27	1.0	727	65	909	167	241	58	35	8.0	.00	.00
15	23	.74	1170	59	766	129	165	90	30	7.2	.00	.00
16	20	.54	1290	53	593	113	134	189	25	5.7	.00	.00
17	18	5.6	1210	50	388	119	131	741	21	4.4	.00	.00
18	16	19	1090	46	239	132	122	2930	31	3.8	.00	.00
19	15	18	972	44	161	125	103	2390	94	4.3	.00	.00
20	15	23	825	42	117	116	88	1870	63	3.7	.00	.00
21	16	21	628	44	116	123	79	2180	39	3.0	.00	.00
22	14	15	442	45	636	129	77	3700	29	2.1	.00	1.8
23	13	10	252	46	936	122	583	2680	23	1.5	.00	2.6
24	11	12	145	46	949	117	1200	1850	23	1.3	.00	1.6
25	9.6	15	121	48	1150	107	1320	1290	79	.90	.00	.96
26	8.4	22	575	51	1160	95	1040	1020	124	.74	.00	.50
27	6.6	39	6400	54	1020	95	984	814	122	.70	.00	.26
28	5.3	117	16200	56	820	93	920	628	82	.66	.00	.12
29	5.4	133	8310	58	---	92	682	449	60	.66	.00	.00
30	6.4	67	3550	59	---	93	339	234	88	.54	.00	.00
31	5.9	---	1890	61	---	89	---	108	---	.32	.00	---
TOTAL	306.70	586.78	50519	6071	25514	13634	13958	24441	2268	962.32	.51	7.84
MEAN	9.89	19.6	1630	196	911	440	465	788	75.6	31.0	.016	.26
MAX	27	133	16200	1290	1540	2180	1320	3700	277	161	.23	2.6
MIN	.00	.54	44	42	116	89	77	55	21	.32	.00	.00
CFSM	.04	.08	6.79	.82	3.80	1.83	1.94	3.28	.32	.13	.000	.001
IN.	.05	.09	7.83	.94	3.95	2.11	2.16	3.79	.35	.15	.00	.00
AC-FT	608	1160	100200	12040	50610	27040	27690	48480	4500	1910	1.0	16

CAL YR 1982 TOTAL 101186.05 MEAN 277 MAX 16200 MIN .00 CFSM 1.15 IN 15.68 AC-FT 200700
WTR YR 1983 TOTAL 138269.15 MEAN 379 MAX 16200 MIN .00 CFSM 1.58 IN 21.43 AC-FT 274300

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 west of Banks.

DRAINAGE AREA.--385 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 12...	1035	0	9827	9827	--	6.9	16.0	18.0	40	2.5
NOV 09...	1000	0	9827	9827	22	6.6	11.0	10.0	40	--
JAN 11...	0915	0	9827	9827	360	6.2	8.0	7.0	15	9.9
FEB 15...	0855	0	9827	9827	2350	5.9	9.0	8.0	15	9.7
MAR 22...	0905	0	9827	9827	225	6.2	11.0	10.0	20	8.0
APR 12...	0911	0	9827	9827	995	6.0	18.0	15.0	20	7.4
MAY 10...	0928	0	9827	9827	215	6.4	23.0	18.0	25	7.0
JUN 07...	0930	0	9827	9827	192	6.2	25.0	21.0	30	5.5
JUL 12...	0953	0	9827	9827	14	6.2	33.0	25.0	40	5.3

DATE	TIME	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 12...	1035	26	1.2	260	36	6.0	10	98	.13	32
NOV 09...	1000	--	2.7	16	40	9.0	21	157	.21	28
JAN 11...	0915	81	1.1	36	16	7.0	7.5	75	.10	6
FEB 15...	0855	82	1.4	40	20	6.0	4.0	67	.09	6
MAR 22...	0905	71	.8	10	16	7.0	9.0	70	.10	8
APR 12...	0911	73	1.7	140	24	10	7.5	78	.11	14
MAY 10...	0928	--	1.5	170	--	5.0	8.5	84	.11	17
JUN 07...	0930	--	--	100	--	--	7.5	84	.11	22
JUL 12...	0953	--	1.4	220	--	7.0	7.5	111	.15	24

07362550 MORO CREEK NEAR BANKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT									
12...	1035	--	.140	.100	.030	<1	<1	31	50
NOV									
09...	1000	.030	.040	.150	--	<1	4	25	--
JAN									
11...	0915	.080	.020	.030	.060	<1	<1	15	30
FEB									
15...	0855	.010	.030	.050	.060	<1	1	29	50
MAR									
22...	0905	.040	.020	.080	.020	<1	5	23	40
APR									
12...	0911	.080	.040	.080	.020	<1	<1	15	--
MAY									
10...	0928	.140	.180	.100	.120	<1	<1	19	20
JUN									
07...	0930	.270	.100	.120	.050	--	1	18	--
JUL									
12...	0953	.230	.080	.140	.070	1	<1	29	30

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 downstream from confluence of North Fork and Alum Fork, and at mile 197.7.

DRAINAGE AREA.--550 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT											
05...	0940	0	9827	9827	6.4	7.4	22.0	23.0	7.0	6.9	79
NOV											
16...	0945	0	9827	9827	77	7.4	5.0	8.0	2.8	10.3	86
DEC											
07...	0900	0	9827	9827	1860	6.8	4.0	10.0	20	9.7	86
JAN											
25...	0930	0	9827	9827	210	6.8	8.0	5.0	2.5	12.5	98
FEB											
22...	0940	0	9827	9827	2220	7.6	12.0	12.0	25	9.8	91
MAR											
08...	0930	0	9827	9827	1560	7.4	10.0	12.0	9.1	9.6	89
APR											
19...	0945	0	9827	9827	424	7.3	5.0	11.0	4.5	9.8	--
MAY											
17...	0925	0	9827	9827	2150	6.7	19.0	17.0	20	9.0	--
JUN											
14...	0920	0	9827	9827	104	7.2	24.0	25.0	10	7.0	--
JUL											
19...	0930	0	9827	9827	42	7.3	29.0	28.0	3.5	7.3	--
AUG											
16...	0925	0	9827	9827	5.7	7.4	26.0	28.0	6.0	7.1	--
SEP											
20...	0930	0	9827	9827	2.2	7.2	25.0	26.0	5.8	6.3	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT										
05...	0940	1.2	36	68	11	11	--	--	14	.010
NOV										
16...	0945	1.0	16	66	7.0	4.0	99	.13	2	.030
DEC										
07...	0900	1.3	270	--	7.0	4.5	58	.08	13	.140
JAN										
25...	0930	.6	20	64	20	4.5	94	.13	4	.090
FEB										
22...	0940	1.0	1100	50	7.0	4.0	82	.11	26	.080
MAR										
08...	0930	.7	<4	38	6.0	3.5	51	.07	8	.100
APR										
19...	0945	.6	60	--	3.0	3.0	77	.10	5	.020
MAY										
17...	0925	1.5	590	--	--	3.5	61	.08	18	.100
JUN										
14...	0920	1.0	68	--	6.0	3.0	81	.11	10	.050
JUL										
19...	0930	1.0	16	--	--	4.5	85	.12	6	.040
AUG										
16...	0925	.9	180	--	7.0	5.5	93	.13	14	.020
SEP										
20...	0930	1.2	350	--	6.0	3.5	87	.12	10	.060

07363002 SALINE RIVER WEST OF BENTON, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT 05...	0940	.040	--	.010	<5	<1	2	19	<5	60
NOV 16...	0945	.030	.040	.020	--	<1	3	<10	--	30
DEC 07...	0900	.010	.070	.040	--	<1	3	16	--	--
JAN 25...	0930	.060	.010	.030	<5	<1	<1	25	<5	150
FEB 22...	0940	.030	.060	.030	--	<1	6	52	--	60
MAR 08...	0930	.040	.030	.040	--	<1	8	11	--	--
APR 19...	0945	.050	.020	<.010	<5	<1	4	<10	<5	50
MAY 17...	0925	.050	.050	<.010	--	<1	<1	<10	--	60
JUN 14...	0920	.050	--	--	--	--	<1	16	--	30
JUL 19...	0930	.050	.030	--	<5	<1	<1	<10	<5	40
AUG 16...	0925	.030	.040	<.010	--	1	<1	12	--	90
SEP 20...	0930	--	.060	<.010	--	<1	1	12	--	30

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)
DEC 07...	0900	.0	.000	.000	.000	.000	.000	.00	.00	.0

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 downstream from Brushy Creek, 1.5 mi southwest of Sardis.

DRAINAGE AREA.--66.0 mi^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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT 05...	0900	0	9827	9827	.50	7.7	22.0	20.0	2.4	7.3	79
NOV 16...	0900	0	9827	9827	.20	7.7	2.0	5.0	2.8	10.4	81
DEC 07...	0945	0	9827	9827	154	7.7	13.0	12.0	20	9.2	85
JAN 25...	0855	0	9827	9827	38	7.0	5.0	5.0	8.5	12.0	94
FEB 22...	0900	0	9827	9827	--	7.4	12.0	12.0	100	9.1	84
MAR 08...	0845	0	9827	9827	126	7.4	11.0	12.0	20	9.1	84
APR 19...	0900	0	9827	9827	70	7.4	5.0	10.0	15	9.8	--
MAY 17...	0845	0	9827	9827	350	8.8	21.0	17.0	25	7.9	--
JUN 14...	0840	0	9827	9827	6.0	8.9	25.0	23.0	10	7.3	--
JUL 19...	0845	0	9827	9827	13	8.3	32.0	27.0	8.8	8.1	--
AUG 16...	0838	0	9827	9827	5.0	8.5	26.0	25.0	4.5	7.1	--
SEP 20...	0845	0	9827	9827	9.0	7.8	25.0	23.0	20	6.4	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT 05...	0900	11	1.5	86	290	700	13	--	--	10	.030
NOV 16...	0900	11	1.0	48	300	520	15	1010	1.4	6	.250
DEC 07...	0945	23	1.5	210	--	75	6.0	191	.26	17	.180
JAN 25...	0855	11	.5	32	260	300	7.5	522	.71	17	.350
FEB 22...	0900	30	2.2	>240	46	61	5.0	138	.19	68	.160
MAR 08...	0845	--	1.0	190	100	>100	5.5	209	.28	22	.150
APR 19...	0900	14	1.1	74	--	160	4.5	315	.43	23	.180
MAY 17...	0845	21	2.1	1100	--	--	6.0	284	.39	20	.130
JUN 14...	0840	16	1.4	100	--	270	10	664	.90	10	.150
JUL 19...	0845	17	1.9	80	--	--	17	1010	1.4	16	.280
AUG 16...	0838	13	.3	36	--	700	17	1300	1.8	8	.180
SEP 20...	0845	23	1.6	590	--	120	14	391	.53	9	.250

07363270 HURRICANE CREEK NEAR SARDIS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
OCT 05...	0900	.030	.77	.80	.83	3.7	--	<.010	<1	6	24
NOV 16...	0900	.090	.01	.10	.35	1.5	.030	.020	<1	7	10
DEC 07...	0945	.050	.25	.30	.48	2.1	.080	.060	<1	3	10
JAN 25...	0855	.400	.10	.50	.85	3.8	.020	.040	<1	1	13
FEB 22...	0900	.020	1.1	1.1	1.3	5.6	.230	.030	<1	15	49
MAR 08...	0845	.140	.46	.60	.75	3.3	.060	.040	1	3	14
APR 19...	0900	.180	.42	.60	.78	3.5	.050	<.010	<1	10	19
MAY 17...	0845	.110	.99	1.1	1.2	5.4	.090	.010	<1	1	17
JUN 14...	0840	.040	.36	.40	.55	2.4	--	--	--	<1	41
JUL 19...	0845	.030	--	--	--	--	.050	.080	<1	3	14
AUG 16...	0838	.010	--	<.10	--	--	.030	<.010	<1	2	16
SEP 20...	0845	--	--	1.2	1.5	6.4	.080	.030	1	9	18

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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)
OCT 05...	0900	100	--	--	--	--	--	--	--	--	--
NOV 16...	0900	30	.0	.000	.000	.000	.000	.000	.00	.00	.0
JAN 25...	0855	90	--	--	--	--	--	--	--	--	--
FEB 22...	0900	80	--	--	--	--	--	--	--	--	--
APR 19...	0900	60	--	--	--	--	--	--	--	--	--
MAY 17...	0845	40	--	--	--	--	--	--	--	--	--
JUN 14...	0840	2700	--	--	--	--	--	--	--	--	--
JUL 19...	0845	50	--	--	--	--	--	--	--	--	--
AUG 16...	0838	90	--	--	--	--	--	--	--	--	--
SEP 20...	0845	50	--	--	--	--	--	--	--	--	--

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 downstream from Simpson Creek, 3.5 mi east of Sheridan, and at mile 16.9.

DRAINAGE AREA.--204 mi^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 National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good.

AVERAGE DISCHARGE.--22 years, 229 ft^3/s, 15.24 in/yr, 165,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,100 ft^3/s Apr. 24, 1964, gage height, 15.93 ft; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1939, 18.55 ft June 27, 1960, from floodmarks, discharge, 52,300 ft^3/s by contracted-opening measurement.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 28	0500	11,800	15.64
Apr. 24	0700	5,970	14.38
May 15	1900	*14,300	15.81

no flow Sept. 15-21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	21	932	717	477	138	229	620	58	50	8.1	6.4
2	3.0	22	382	449	1290	124	359	824	51	31	6.4	4.1
3	2.8	43	293	370	1220	113	579	650	47	39	4.7	1.9
4	2.6	28	752	345	657	132	369	1140	46	46	3.7	1.6
5	2.6	10	2010	314	356	1170	344	1050	47	31	3.2	.93
6	2.5	6.4	1950	291	455	2610	764	672	44	23	4.5	2.3
7	3.2	5.7	1170	247	703	1750	1110	274	41	19	7.5	3.8
8	5.0	8.9	540	225	570	995	1130	230	36	16	8.9	3.6
9	7.9	12	224	194	363	395	693	239	34	14	9.4	2.2
10	6.3	13	159	175	394	263	396	181	32	13	9.7	1.4
11	9.4	15	309	157	437	207	284	140	31	11	11	1.1
12	11	25	718	137	329	178	216	156	25	11	10	.74
13	12	26	905	117	234	163	183	195	18	10	9.4	.53
14	12	23	673	106	185	152	347	193	16	10	9.1	.24
15	13	20	536	103	163	143	677	7110	16	11	8.6	.00
16	14	22	1070	98	151	130	630	6530	14	19	8.4	.00
17	15	23	1080	92	138	127	306	3120	13	19	8.6	.00
18	16	24	592	88	126	153	207	1550	12	14	8.6	.00
19	18	33	366	84	114	150	172	1170	12	11	8.3	.00
20	20	69	300	82	102	137	191	1290	12	11	7.8	.00
21	20	94	257	83	96	215	265	1040	12	17	14	.00
22	21	107	232	90	211	204	234	852	18	18	14	.26
23	21	90	217	95	479	151	1460	823	17	14	11	3.2
24	20	151	237	93	537	128	5040	476	36	12	8.9	4.5
25	19	277	3050	86	355	112	3130	304	47	12	8.2	4.1
26	18	171	4880	86	258	103	2000	220	29	8.9	8.0	3.3
27	18	126	5480	93	183	126	1000	168	28	6.6	6.9	2.7
28	19	390	8230	116	153	146	388	121	25	26	5.7	2.4
29	22	547	3250	115	---	123	271	89	23	16	3.5	2.1
30	29	759	1980	134	---	110	254	77	48	11	2.8	2.1
31	24	---	1210	143	---	200	---	67	---	9.3	6.2	---
TOTAL	410.8	3162.0	43984	5525	10736	10848	23228	31571	888	559.8	245.1	55.50
MEAN	13.3	105	1419	178	383	350	774	1018	29.6	18.1	7.91	1.85
MAX	29	759	8230	717	1290	2610	5040	7110	58	50	14	6.4
MIN	2.5	5.7	159	82	96	103	172	67	12	6.6	2.8	.00
CFSM	.07	.52	6.96	.87	1.88	1.72	3.79	4.99	.15	.09	.04	.009
IN.	.07	.58	8.02	1.01	1.96	1.98	4.24	5.76	.16	.10	.04	.01
AC-FT	815	6270	87240	10960	21290	21520	46070	62620	1760	1110	486	110

CAL YR 1982	TOTAL	99400.30	MEAN 272	MAX 8230	MIN 2.5	CFSM 1.33	IN 18.13	AC-FT 197200				
WTR YR 1983	TOTAL	131213.20	MEAN 359	MAX 8230	MIN .00	CFSM 1.76	IN 23.93	AC-FT 260300				

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 southwest of Rye, 5.8 mi upstream from Hudgin Creek, and at mile 71.0.

DRAINAGE AREA.--2,102 mi^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 National Geodetic Vertical Datum of 1929. Prior to May 30, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--46 years, 2,587 ft^3/s, 16.71 in/yr, 1,874,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 74,500 ft^3/s May 18, 1968, gage height, 31.40 ft; minimum, 3.5 ft^3/s Sept. 27, 28, 1954, gage height, 3.84 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1927 reached a stage of 30.5 ft, discharge, about 73,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 10,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 11	1600	24,900	25.55	May 3	0900	12,000	22.07
Dec. 31	0800	*41,000	27.51	May 22	1400	30,800	26.01

minimum discharge, 24 ft^3/s Sept. 28, 29, 30, gage height, 4.39 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	38	3020	37200	2630	3930	1090	9470	6180	376	102	39
2	52	65	3210	30200	5160	3960	1260	11000	3360	428	114	37
3	51	108	3540	24000	5790	3910	1540	12000	1480	518	122	35
4	50	114	4690	19700	5940	3410	1860	11200	1080	604	111	34
5	50	126	6080	16500	6150	3840	2560	9890	937	620	102	33
6	59	259	7240	13900	6950	4880	4720	8550	895	613	97	36
7	185	398	8110	11700	7320	5240	5770	7270	1050	655	87	48
8	265	473	8810	10100	7350	5470	5850	6160	1280	668	81	46
9	197	427	10400	8720	7560	5600	5710	5380	1100	564	79	44
10	175	340	18700	7230	8280	5630	5440	5280	837	440	75	41
11	146	279	24500	5230	8650	5650	5160	5730	725	350	70	42
12	125	236	22000	3120	8660	5980	4880	6180	655	298	68	44
13	164	196	19400	2030	8460	6520	4610	6330	559	258	68	47
14	191	173	16300	1700	8020	6930	4560	5950	486	225	64	43
15	165	161	15400	1490	7330	7030	4360	4840	429	203	65	37
16	136	153	15000	1310	6110	6650	3500	3860	383	184	73	35
17	115	171	13600	1180	4360	5410	2770	4580	349	168	76	34
18	109	184	12100	1090	3590	3250	2690	6230	361	155	75	32
19	105	192	10800	1000	2280	1870	2840	7970	351	150	69	33
20	107	309	9940	964	1710	1520	3050	11600	435	146	65	55
21	102	341	9270	924	1480	1430	3140	24600	405	142	60	58
22	81	418	8620	904	1970	1380	2820	30500	325	137	56	44
23	72	792	7930	891	3340	1400	2990	27900	280	133	52	40
24	65	1330	7130	880	3970	1450	4540	23200	318	129	48	36
25	58	1670	6060	886	4240	1420	5430	19400	572	124	46	32
26	55	1870	5930	901	4310	1290	6290	16600	655	119	45	29
27	51	2080	9120	890	4180	1160	6510	14400	507	118	43	27
28	65	2670	16000	871	3990	1060	6630	12400	478	122	42	24
29	60	2880	26100	846	---	1030	7050	10700	419	120	40	24
30	44	2920	37100	857	---	1030	8130	9270	373	104	39	24
31	41	---	40700	890	---	1060	---	7950	---	99	40	---
TOTAL	3196	21373	406800	208104	149780	110390	127750	346390	27264	8970	2174	1133
MEAN	103	712	13120	6713	5349	3561	4258	11170	909	289	70.1	37.8
MAX	265	2920	40700	37200	8660	7030	8130	30500	6180	668	122	58
MIN	41	38	3020	846	1480	1030	1090	3860	280	99	39	24
CFSM	.05	.34	6.24	3.19	2.55	1.69	2.03	5.31	.43	.14	.03	.02
IN.	.06	.38	7.20	3.68	2.65	1.95	2.26	6.13	.48	.16	.04	.02
AC-FT	6340	42390	806900	412800	297100	219000	253400	687100	54080	17790	4310	2250

CAL YR 1982	TOTAL	900289	MEAN	2467	MAX	40700	MIN	38	CFSM	1.17	IN	15.93	AC-FT	1786000
WTR YR 1983	TOTAL	1413324	MEAN	3872	MAX	40700	MIN	24	CFSM	1.84	IN	25.01	AC-FT	2803000

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 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
26...	1230	0	9827	9827	72	7.1	30.0	17.0	20	8.1
NOV										
23...	1030	0	9827	9827	1030	6.5	18.0	19.0	35	6.3
FEB										
01...	1244	0	9827	9827	3420	6.5	17.0	10.0	40	10.8
MAR										
01...	1253	0	9827	9827	5110	7.0	25.0	14.0	25	--
29...	1300	0	9827	9827	1340	6.7	17.0	15.0	30	9.4
APR										
26...	1223	0	9827	9827	8180	6.4	25.0	12.0	25	7.7
MAY										
24...	1210	0	9827	9827	30200	5.9	27.0	20.0	15	5.2
JUN										
21...	1246	0	9827	9827	526	6.9	30.0	28.0	20	6.3
JUL										
26...	1310	0	9827	9827	155	7.0	32.0	32.0	5.0	9.0
AUG										
23...	1330	0	9827	9827	68	7.1	43.0	33.0	3.0	8.6
31...	1345	0	9827	9827	52	--	38.0	31.0	--	--
SEP										
26...	1351	0	9827	9827	--	7.1	30.0	25.0	5.5	6.9
26...	1351	9	9827	9827	38	--	--	--	--	--

DATE	TIME	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										
26...	1230	84	1.5	<4	30	25	6.0	102	.14	6
NOV										
23...	1030	67	3.1	120	20	22	7.5	108	.15	25
FEB										
01...	1244	96	1.3	380	30	28	5.0	93	.13	56
MAR										
01...	1253	--	1.2	28	30	19	5.5	77	.10	16
29...	1300	92	1.1	8	--	--	--	100	.14	7
APR										
26...	1223	--	1.5	280	--	12	5.0	78	.11	50
MAY										
24...	1210	--	1.7	140	--	6.0	3.0	--	--	12
JUN										
21...	1246	--	.8	12	--	22	5.5	95	.13	10
JUL										
26...	1310	--	3.2	4	--	17	6.5	92	.13	6
AUG										
23...	1330	--	2.8	8	--	19	7.0	80	.11	4
31...	1345	--	--	28	--	23	7.5	93	.13	7
SEP										
26...	1351	--	1.6	8	--	34	7.0	109	.15	9

07364012 SALINE RIVER NEAR FOUNTAIN HILL, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT										
26...	1230	.130	.050	--	.040	<1	<1	--	40	.0
NOV										
23...	1030	--	.070	.100	.030	<1	1	28	40	--
FEB										
01...	1244	.110	.060	.080	--	<1	6	24	60	--
MAR										
01...	1253	.060	--	.050	.080	<1	3	26	30	--
29...	1300	.080	.060	--	--	<1	--	28	20	--
APR										
26...	1223	.100	.050	.070	.010	<1	7	11	20	--
MAY										
24...	1210	.030	.020	.080	.020	1	--	26	30	--
JUN										
21...	1246	.310	.090	.080	.030	1	<1	30	--	--
JUL										
26...	1310	--	.060	.050	.010	1	<1	32	170	--
AUG										
23...	1330	.030	--	.040	<.010	<1	--	19	50	--
31...	1345	.020	.030	--	<.010	<1	2	18	50	--
SEP										
26...	1351	.010	.020	.030	<.010	1	<1	29	20	--

DATE	TIME	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)
OCT									
26...	1230	.000	.000	.000	.000	.000	.00	.00	.0

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 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
26...	0910	0	9827	9827	7.5	5.0	12.0	7.0	1.8	17
NOV										
23...	0910	0	9827	9827	7.5	21.0	21.0	25	.5	5
FEB										
01...	0843	0	9827	9827	7.1	14.0	9.0	50	.3	3
MAR										
01...	0836	0	9827	9827	7.3	13.0	15.0	30	2.5	24
29...	0902	0	9827	9827	7.3	13.0	15.0	25	1.9	19
APR										
26...	0859	0	9827	9827	7.4	14.0	20.0	30	--	--
MAY										
24...	0943	0	9827	9827	7.1	22.0	24.0	30	.9	--
JUN										
21...	0908	0	9827	9827	7.5	28.0	30.0	25	.3	--
JUL										
26...	0945	0	9827	9827	7.4	27.0	32.0	20	.6	--
AUG										
23...	0920	0	9827	9827	7.2	30.0	31.0	20	.0	--
30...	0915	0	9827	9827	--	27.0	32.0	--	--	--
SEP										
26...	0946	0	9827	9827	7.4	24.0	25.0	15	1.2	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT										
26...	0910	24	120	200	130	380	1250	1.7	30	.060
NOV										
23...	0910	3.0	230	220	>100	370	1210	1.6	36	--
FEB										
01...	0843	--	>6000	200	180	440	1350	1.8	114	.100
MAR										
01...	0836	28	>6000	170	100	310	942	1.3	62	.040
29...	0902	34	>600	230	--	410	1280	1.7	49	.070
APR										
26...	0859	37	>6000	--	95	460	1320	1.8	65	.350
MAY										
24...	0943	3.3	>6000	--	77	310	--	--	28	.030
JUN										
21...	0908	37	8	--	140	470	134	.18	55	.060
JUL										
26...	0945	160	<100	--	110	390	1210	1.6	39	--
AUG										
23...	0920	28	--	--	140	500	1340	1.8	43	.250
30...	0915	--	20	--	110	500	1370	1.9	41	.070
SEP										
26...	0946	23	68000	--	130	460	1320	1.8	37	.140

07360488 COFFEE CREEK NEAR CROSSETT, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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										
26...	0910	.330	--	.150	<5	<1	33	--	<5	20
NOV										
23...	0910	.670	.620	.120	--	<1	41	73	--	--
FEB										
01...	0843	.070	1.60	--	--	2	120	76	--	140
MAR										
01...	0836	--	1.50	.400	--	<1	50	53	--	100
29...	0902	.890	--	--	--	1	--	43	--	90
APR										
26...	0859	1.60	.720	.140	8	2	90	56	<5	100
MAY										
24...	0943	.090	.500	.100	--	1	--	83	--	70
JUN										
21...	0908	.960	.580	.140	--	1	35	73	--	--
JUL										
26...	0945	1.10	.540	.190	<5	1	33	65	<5	120
AUG										
23...	0920	--	.660	.260	--	1	--	44	--	80
30...	0915	1.60	--	.200	--	1	36	37	--	80
SEP										
26...	0946	1.10	.510	.310	--	1	21	70	--	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)
OCT										
26...	0910	.0	.000	.000	.000	.000	.000	.00	.00	.0

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 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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 05...	1406	0	9827	9827	--	7.1	39.0	27.0	40	7.0
NOV 16...	1350	0	9827	9827	--	6.9	18.0	11.0	6.2	8.7
DEC 07...	1100	0	9827	9827	--	6.7	17.0	12.0	30	5.1
JAN 25...	1405	0	9827	9827	107	6.6	15.0	7.0	25	11.4
FEB 22...	1355	0	9827	9827	146	6.7	12.0	14.0	75	8.0
MAR 08...	1310	0	9827	9827	--	6.5	14.0	15.0	40	6.0
APR 19...	1440	0	9827	9827	175	6.7	7.0	13.0	35	7.4
MAY 17...	1255	0	9827	9827	--	6.2	24.0	20.0	80	4.6
JUN 14...	1300	0	9827	9827	62	6.7	33.0	28.0	50	4.3
JUL 19...	1325	0	9827	9827	35	7.1	36.0	33.0	60	7.2
AUG 16...	1345	0	9827	9827	38	7.0	40.0	33.0	50	7.0
SEP 20...	1345	0	9827	9827	91	6.8	30.0	25.0	100	5.7

DATE	TIME	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 05...	1406	86	2.4	28	44	7.0	11	--	--	28
NOV 16...	1350	78	2.2	10	36	11	11	88	.12	6
DEC 07...	1100	47	1.7	170	--	19	20	125	.17	16
JAN 25...	1405	93	1.0	64	30	17	9.0	93	.13	12
FEB 22...	1355	77	1.9	190	22	7.0	7.0	100	.14	72
MAR 08...	1310	59	1.0	<4	24	12	5.0	82	.11	22
APR 19...	1440	--	1.1	32	--	14	11	115	.16	36
MAY 17...	1255	--	2.4	880	--	--	3.5	78	.11	46
JUN 14...	1300	--	3.1	40	--	9.0	5.5	95	.13	52
JUL 19...	1325	--	4.5	390	--	--	7.0	113	.15	50
AUG 16...	1345	--	4.2	88	--	2.0	6.0	102	.14	40
SEP 20...	1345	--	4.3	>600	--	6.0	6.5	85	.12	152

07364115 BAYOU BARTHOLOMEW NEAR LADD, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	PCB, TOTAL (UG/L) (39516)
OCT										
05...	1406	.050	.060	--	.080	<1	2	38	70	--
NOV										
16...	1350	.010	.010	.100	.040	<1	<1	<10	40	.0
DEC										
07...	1100	.090	.020	.260	.180	<1	4	12	--	--
JAN										
25...	1405	.200	.100	.140	.120	<1	<1	<10	50	.0
FEB										
22...	1355	.160	.070	.250	.130	<1	5	36	50	--
MAR										
08...	1310	.120	.080	.200	.140	<1	4	18	--	--
APR										
19...	1440	.150	.070	.200	.080	<1	2	15	50	.0
MAY										
17...	1255	.180	.120	.280	.130	<1	1	16	30	--
JUN										
14...	1300	.210	.080	--	--	--	2	22	90	--
JUL										
19...	1325	.060	.150	.480	.050	<1	2	17	50	.0
AUG										
16...	1345	.050	.080	.330	.140	<1	<1	<10	50	--
SEP										
20...	1345	.090	--	.370	.060	<1	3	19	60	--

DATE	TIME	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)
NOV									
16...	1350	.000	.000	.000	.000	.000	.00	.00	.0
JAN									
25...	1405	.000	.000	.000	.000	.000	.00	.00	.0
APR									
19...	1440	.000	.000	.000	.000	.000	.00	.00	.0
JUL									
19...	1325	.000	.000	.000	.000	.000	.00	.00	.0

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 west of McGehee, 17.5 mi downstream from Ables Creek, and at mile 200.5.

DRAINAGE AREA.--576 mi^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 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 higher. Since Jan. 20, 1971, auxiliary water-stage recorder 14 mi upstream.

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years (1939-42, 1946-83), 676 ft^3/s, 15.94 in/yr, 489,800 acre ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,870 ft^3/s May 11, 1958, gage height, 25.49 ft, present datum; minimum, 0.20 ft^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, present datum, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,460 ft^3/s Jan 2, gage height, 22.24 ft; minimum, 8.6 ft^3/s Sept. 11, 12, gage height, 1.01 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	41	924	4420	311	901	220	1210	2750	130	22	8.9
2	25	37	929	4450	316	835	218	1250	2650	150	22	9.1
3	23	34	992	4420	340	768	219	1320	2520	157	27	9.0
4	22	31	1280	4350	460	720	214	1400	2400	152	42	8.9
5	21	29	1470	4310	660	918	225	1420	2250	136	54	9.0
6	21	27	1540	4250	820	1070	257	1390	2060	116	60	9.2
7	27	25	1540	4180	1400	1120	423	1330	1850	94	62	9.9
8	54	24	1540	4160	1800	1130	743	1260	1650	73	58	9.8
9	169	23	1530	4050	1900	1160	995	1190	1450	58	51	9.6
10	290	23	1510	3960	2030	1190	1280	1100	1260	45	41	9.0
11	383	23	1680	3790	2110	1220	1510	1010	1080	38	33	8.8
12	432	23	1840	3600	2120	1210	1630	920	913	34	26	8.9
13	470	22	1870	3340	2110	1190	1680	830	771	30	23	13
14	514	22	1880	3130	2070	1140	1670	739	603	26	24	15
15	546	22	2100	2830	2010	1080	1610	674	473	23	26	18
16	562	22	2330	2550	1930	1030	1530	596	364	23	26	25
17	560	24	2450	2280	1830	985	1450	515	306	25	24	38
18	537	28	2560	2010	1710	941	1370	480	225	23	23	48
19	496	31	2650	1800	1570	904	1290	591	167	26	22	51
20	443	48	2720	1580	1440	876	1210	741	123	22	21	58
21	380	118	2740	1410	1320	836	1130	971	94	18	20	68
22	335	226	2490	1250	1270	778	1050	1380	75	16	19	91
23	273	313	2630	1080	1230	714	985	1740	64	16	17	115
24	218	447	2510	943	1170	647	928	2050	57	14	15	126
25	171	519	2400	820	1140	570	893	2300	52	13	13	129
26	131	556	2710	699	1090	498	890	2510	50	12	11	144
27	101	601	3220	600	1030	430	916	2670	52	12	11	176
28	78	743	3680	522	964	382	972	2780	54	11	9.7	207
29	65	846	3840	449	---	325	1060	2850	67	11	9.7	223
30	55	900	4240	390	---	278	1150	2870	100	13	9.3	219
31	47	---	4360	335	---	234	---	2830	---	18	8.9	---
TOTAL	7476	5828	70155	77958	38151	26080	29718	44917	26530	1535	830.6	1874.1
MEAN	241	194	2263	2515	1363	841	991	1449	884	49.5	26.8	62.5
MAX	562	900	4360	4450	2120	1220	1680	2870	2750	157	62	223
MIN	21	22	924	335	311	234	214	480	50	11	8.9	8.8
CFSM	.42	.34	3.93	4.37	2.37	1.46	1.72	2.52	1.54	.09	.05	.11
IN.	.48	.38	4.53	5.03	2.46	1.68	1.92	2.90	1.71	.10	.05	.12
AC-FT	14830	11560	139200	154600	75670	51730	58950	89090	52620	3040	1650	3720

CAL YR 1982 TOTAL 217291.0 MEAN 595 MAX 4360 MIN 19 CFSM 1.03 IN 14.03 AC-FT 431000
WTR YR 1983 TOTAL 331052.7 MEAN 907 MAX 4450 MIN 8.8 CFSM 1.58 IN 21.38 AC-FT 656600

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 downstream from Highbank Creek, and 8.5 mi 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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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)
OCT 12...	0840	0	9827	9827	15	7.7	14.0	18.0	4.8	4.9	52
NOV 09...	0830	0	9827	9827	24	7.0	8.0	11.0	3.6	--	--
DEC 14...	0757	0	9827	9827	--	6.1	9.0	5.0	35	9.1	71
JAN 11...	0750	0	9827	9827	46	6.7	.0	5.0	5.5	8.5	66
FEB 15...	0735	0	9827	9827	78	6.6	4.0	7.0	7.5	7.7	63
MAR 22...	0750	0	9827	9827	43	6.9	6.0	8.0	7.8	7.3	61
APR 12...	0756	0	9827	9827	44	6.6	19.0	17.0	10	3.9	40
MAY 10...	0819	0	9827	9827	43	6.9	19.0	18.0	15	4.5	--
JUN 07...	0808	0	9827	9827	68	6.9	24.0	22.0	15	3.2	--
JUL 12...	0820	0	9827	9827	--	7.3	28.0	26.0	20	5.1	--
AUG 09...	0813	0	9827	9827	22	6.7	29.0	27.0	5.8	2.3	--
SEP 13...	0815	0	9827	9827	--	7.5	22.0	24.0	6.0	2.3	--

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT 12...	0840	1.8	500	540	86	1800	3400	4.6	12	--
NOV 09...	0830	.6	--	430	140	1500	579	.79	12	.690
DEC 14...	0757	1.8	150	62	17	210	380	.52	7	--
JAN 11...	0750	1.2	80	270	48	870	1490	2.0	10	.790
FEB 15...	0735	1.6	84	150	27	430	808	1.1	10	.920
MAR 22...	0750	1.3	50	280	29	890	1680	2.3	12	.780
APR 12...	0756	6.5	250	210	29	670	1220	1.7	15	.560
MAY 10...	0819	2.5	260	--	7.0	490	1260	1.7	16	.670
JUN 07...	0808	--	230	--	--	330	728	.99	9	.310
JUL 12...	0820	4.0	220	--	78	2200	4250	5.8	30	.190
AUG 09...	0813	1.2	200	--	--	1300	2380	3.2	10	.850
SEP 13...	0815	1.8	270	--	11	2200	3910	5.3	13	.770

07364600 BAYOU DE LOUTRE NEAR EL DORADO, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT 12...	0840	.180	.100	.030	6	<1	4	39	<5	100
NOV 09...	0830	.070	.110	--	--	<1	27	10	--	--
DEC 14...	0757	.050	.070	.040	--	<1	3	21	--	--
JAN 11...	0750	.330	.070	.050	<5	<1	<1	16	--	80
FEB 15...	0735	1.00	.140	.070	--	<1	14	27	--	80
MAR 22...	0750	.130	.110	.040	--	<1	5	15	--	50
APR 12...	0756	.170	.140	.070	8	<1	2	32	10	--
MAY 10...	0819	.130	.180	.080	--	<1	2	13	--	30
JUN 07...	0808	.120	.270	.190	--	--	7	41	--	--
JUL 12...	0820	.030	.230	.020	<5	1	2	30	<5	80
AUG 09...	0813	.420	.150	.050	--	1	<1	25	--	80
SEP 13...	0815	.330	--	.120	--	<1	53	24	--	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)	LINDANE TOTAL (UG/L) (39782)	METHYL PARATHION, TOTAL (UG/L) (39600)	TOXAPHENE, TOTAL (UG/L) (39400)
OCT 12...	0840	.0	.000	.000	.000	.000	.000	.00	.00	.0

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 downstream from Pidgeon Roost Creek, and 6.0 mi southwest of town of Three Creeks.

DRAINAGE AREA.--180 mi^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.--27 years, 175 ft^3/s, 13.20 in/yr, 126,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,000 ft^3/s June 8, 1974, gage height, 17.50 ft, from rating curve extended above 11,000 ft^3/s on basis of contracted-opening measurement at 35,800 ft^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.--Peak discharge above base of 1,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 28	1600	*4,960	11.63	Mar. 6	1500	3,290	10.86
Feb. 23	1900	1,840	10.47	May 22	1800	2,440	10.48

no flow Sept. 8-23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.70	4.6	280	505	351	186	135	54	56	152	5.8	2.3
2	.55	7.5	131	381	516	160	161	53	50	86	5.1	2.4
3	.44	9.0	136	242	600	145	197	55	46	33	3.8	2.1
4	.28	14	384	175	532	164	216	58	44	17	3.7	1.8
5	.20	14	431	143	544	659	163	58	46	11	3.4	1.4
6	.25	13	394	120	843	2560	176	50	60	8.0	3.4	.89
7	.64	11	356	109	1160	2080	263	43	48	5.3	2.9	.30
8	.94	11	213	106	779	1140	276	41	39	3.5	2.9	.00
9	1.6	11	93	115	615	720	242	42	33	2.1	3.3	.00
10	3.8	12	61	127	692	432	192	41	29	1.3	4.3	.00
11	6.3	12	298	117	740	232	153	40	26	.79	4.2	.00
12	7.1	13	486	97	787	169	123	48	24	.49	4.2	.00
13	7.1	13	549	78	626	143	106	61	23	.55	4.6	.00
14	6.8	13	485	67	515	133	97	57	22	.49	6.7	.00
15	6.2	13	720	62	376	128	93	59	21	.55	7.8	.00
16	5.5	14	851	58	240	121	86	122	20	.55	7.8	.00
17	4.9	16	585	55	184	121	77	222	18	.55	7.5	.00
18	5.1	40	465	52	156	143	70	150	21	.55	7.5	.00
19	6.3	59	409	50	136	157	65	134	20	2.0	7.5	.00
20	7.9	153	331	50	123	146	64	284	21	3.5	7.3	.00
21	8.9	124	202	56	143	143	66	693	28	5.5	6.9	.00
22	8.9	80	128	65	596	146	73	2190	26	6.9	6.4	.00
23	9.4	46	99	68	1570	139	148	2210	31	9.3	5.6	.00
24	8.5	141	89	63	1640	197	160	1720	41	9.1	5.3	.06
25	8.0	177	98	57	1090	281	154	1100	41	8.6	5.0	1.0
26	8.2	155	301	52	724	291	110	606	160	8.2	4.6	1.5
27	7.9	121	1040	52	475	282	79	480	717	9.1	4.2	1.1
28	7.6	284	4440	60	264	305	65	308	995	8.4	3.5	1.0
29	12	337	2650	49	---	259	58	187	536	7.8	3.0	.79
30	14	329	1040	46	---	167	55	104	204	7.5	2.2	.62
31	7.2	---	641	53	---	136	---	69	---	6.6	1.7	---
TOTAL	173.20	2247.1	18386	3330	17017	12085	3923	11339	3446	416.22	152.1	17.26
MEAN	5.59	74.9	593	107	608	390	131	366	115	13.4	4.91	.58
MAX	14	337	4440	505	1640	2560	276	2210	995	152	7.8	2.4
MIN	.20	4.6	61	46	123	121	55	40	18	.49	1.7	.00
CFSM	.03	.42	3.29	.59	3.38	2.17	.73	2.03	.64	.07	.03	.003
IN.	.04	.46	3.80	.69	3.52	2.50	.81	2.34	.71	.09	.03	.00
AC-FT	344	4460	36470	6610	33750	23970	7780	22490	6840	826	302	34

CAL YR 1982 TOTAL 40329.91 MEAN 110 MAX 4440 MIN .00 CFSM .61 IN 8.33 AC-FT 79990
WTR YR 1983 TOTAL 72531.88 MEAN 199 MAX 4440 MIN .00 CFSM 1.11 IN 14.99 AC-FT 143900

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 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	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										
12...	1500	0	9827	9827	7.2	7.0	15.0	17.0	5.5	2.8
NOV										
09...	1420	0	9827	9827	11	6.2	26.0	13.0	5.5	--
DEC										
14...	1327	0	9827	9827	478	5.2	16.0	6.0	35	10.4
JAN										
11...	1401	0	9827	9827	116	5.6	21.0	9.0	5.0	10.0
FEB										
15...	1404	0	9827	9827	364	5.7	19.0	11.0	9.5	9.0
21...	1515	0	9827	9827	--	5.4	17.0	12.0	7.0	8.7
MAR										
22...	1403	0	9827	9827	148	5.6	15.0	13.0	10	9.2
APR										
12...	1326	0	9827	9827	121	5.5	22.0	16.0	7.0	7.4
MAY										
10...	1410	0	9827	9827	40	5.8	25.0	19.0	20	6.1
JUN										
07...	1351	0	9827	9827	47	5.7	27.0	23.0	20	4.9
JUL										
12...	1417	0	9827	9827	3.3	5.2	35.0	27.0	35	--
AUG										
09...	1415	0	9827	9827	--	6.5	38.0	28.0	20	1.0
SEP										
13...	1400	0	9827	9827	.00	6.7	33.0	26.0	30	1.8

DATE	TIME	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)
OCT									
12...	1500	29	--	120	32	5.0	25	112	.15
NOV									
09...	1420	--	1.1	--	22	10	40	112	.15
DEC									
14...	1327	83	1.6	360	90	12	170	327	.44
JAN									
11...	1401	86	.9	12	100	10	200	403	.55
FEB									
15...	1404	81	1.1	16	68	9.0	110	226	.31
21...	1515	81	1.2	20	100	10	180	362	.49
MAR									
22...	1403	87	1.4	90	100	10	190	390	.53
APR									
12...	1326	74	.9	8	96	10	190	371	.50
MAY									
10...	1410	--	1.1	56	--	5.0	260	635	.86
JUN									
07...	1351	--	--	32	--	--	180	498	.68
JUL									
12...	1417	--	1.6	28	--	8.0	230	518	.70
AUG									
09...	1415	--	--	36	--	--	120	328	.45
SEP									
13...	1400	--	3.7	120	--	4.0	150	341	.46

07365800 CORNIE BAYOU NEAR THREE CREEKS, AR--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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									
12...	1500	8	--	.030	--	--	--	--	.040
NOV									
09...	1420	4	.010	.020	--	--	--	--	.090
DEC									
14...	1327	10	--	.060	--	--	--	--	.050
JAN									
11...	1401	6	.100	.070	--	--	--	--	.020
FEB									
15...	1404	8	.050	.050	--	--	--	--	.040
21...	1515	7	.040	.060	--	--	--	--	.060
MAR									
22...	1403	18	.110	.060	--	--	--	--	.040
APR									
12...	1326	8	.070	.040	--	--	--	--	.040
MAY									
10...	1410	14	.080	.260	--	--	--	--	.060
JUN									
07...	1351	14	.160	.200	--	--	--	--	.040
JUL									
12...	1417	16	.130	.170	--	--	--	--	.070
AUG									
09...	1415	3	.030	.110	--	--	--	--	.060
SEP									
13...	1400	23	.020	.050	1.2	1.2	1.2	5.4	--

DATE	TIME	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	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)	PCB, TOTAL (UG/L) (39516)
OCT									
12...	1500	.010	<5	<1	<1	28	<5	40	.0
NOV									
09...	1420	--	--	<1	11	21	--	--	--
DEC									
14...	1327	.040	--	<1	3	32	--	--	--
JAN									
11...	1401	.080	<5	<1	<1	41	--	120	--
FEB									
15...	1404	.120	--	1	5	69	--	140	--
21...	1515	.040	<5	4	1	49	<5	90	--
MAR									
22...	1403	<.010	--	<1	8	34	--	70	--
APR									
12...	1326	.010	16	4	67	95	7	--	--
MAY									
10...	1410	.010	--	<1	1	20	--	50	--
JUN									
07...	1351	.010	--	--	6	57	--	--	--
JUL									
12...	1417	.010	<5	2	<1	50	<5	110	--
AUG									
09...	1415	.020	--	1	3	39	--	40	--
SEP									
13...	1400	.010	--	<1	<1	11	--	0	--

DATE	TIME	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)
OCT									
12...	1500	.000	.000	.000	.000	.000	.00	.00	.0

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 (mi^2)	Period of record	Annual maximum Date	Annual maximum Gage height (feet)	Annual maximum Discharge (ft^3/s)
		St. Francis River basin					
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 west of Lepanto.	2.16	1962-83	12-03-82	7.81	126
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 northeast of Jonesboro.	1.38	1960-83	12-03-82	a11.33	760
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 west of Birdeye.	.08	1963-83	05-15-83	6.12	144
		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 south of Greenland.	.67	1960-83	05-14-83	6.51	330
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 northwest of Berryville.	527	1939-75† 1976-83	12-03-82	30.20	39,400
07054400	Charley Creek near Omaha, Ar. (Discon.)	Lat 36°27'24", long 93°04'46", in NW 1/4 SW 1/4 sec.23, T.21 N., R.20 W., Boone County, at culvert on State Highway 14, 6.1 mi east of Omaha.	3.41	1962-83	12-03-82	16.54	4,850
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 southeast of Lead Hill.	.85	1962-83	12-03-82	9.03	485
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 upstream from Hightower Creek, 3.2 mi northeast of Flippin.	6,081	1928-80† 1981-83	08-26-83	13.14	27,500
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 north of Dogpatch. Prior to 1967 published as Crooked Creek tributary near Marble Falls.	4.36	1961-83	12-03-82	9.20	960
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 south of Boxley.	8.35	1963-83	12-03-82	13.74	7,200
07055800	Dry Branch near Vendor, Ar. (Discon.)	Lat 35°56'00", long 93°06'41", in SW 1/4 SW 1/4 sec.21, T.15 N., R.20 W., Newton County, at bridge on county road, 2.4 mi southwest of Vendor.	6.15	1962-83	12-03-82	15.30	5,000

† 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					
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 southwest of Mountain Home. Prior to 1966 published as Big Creek tributary near Mountain Home.	.76	1961-83	12-03-82	11.92	516
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 west of Brockwell.	1.25	1961-83	12-03-82	8.09	730
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 northeast of Drasco.	.27	1963-83	12-03-82	9.49	283
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	1978-83	12-03-82	29.27	312,000
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 west of Sulphur Rock.	3.90	1962-83	12-03-82	11.41	1,780
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, 1981-83	12-07-82	25.22	66,300
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 southeast of Mammoth Spring. Prior to 1967 published as Spring River tributary near Mammoth Spring.	.48	1961-83	12-03-82	12.22	586
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 west of Pocahontas. Prior to published as Eleven Point River tributary near Pocahontas.	1.33	1961-83	12-03-82	10.15	745
07074200	Dry Branch near Sidney, Ar. (Discon.)	Lat 36°00'12", long 91°35'06", in NW 1/4 SW 1/4 sec.25, T.16 N., R.6 W., Sharp County, at culvert on U.S. Highway 167, 4.2 mi east of Sidney. Prior to 1963 published as Big Creek tributary near Sidney.	1.22	1961-83	12-03-82	12.40	1,230
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 northwest of Strawberry berry.	34.9	1963-83	12-03-82	15.05	8,400
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 downstream from State Highway 37 at Elgin Ferry.	8,418	1979-83	12-04-82	[a]27.7	(b)
07074850	White River near Augusta, Ar.	Lat 35°18'02", long 91°23'35", in SE 1/4 SE 1/4 sec.22, T.8 N., R.4 W., Woodruff County, on left bank of Taylor Bay 0.5 mi upstream from White River 10.7 mi upstream from bridge on U.S. Highway 64 and 1.5 mi northwest of Augusta.	20,464	1983	12-07-82	38.31	250,000

† Operated as a continuous-record gaging station.
a From floodmark.
b Not determined.

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					
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 south of Marshall.	.26	1961-83	12-03-82	11.89	288
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 northeast of Oxley, and 7.0 mi east of Leslie.	1.58	1961-83	12-03-82	9.79	1,320
07075390	Archey Fork Little Red River near Clinton, Ar.	Lat 35°36'15", long 92°27'35", in SE 1/4 sec.10, T.11 N., R.14 W., at bridge on U.S. Highway 65 at northeast city limits at Clinton.	118	1983	12-03-82	[c]519.31	63,400
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 east of Choctaw.	1.36	1964-83	12-03-82	19.07	1,760
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 southwest of Ida. Prior to 1975 published as Peter Creek tributary near Ida.	.26	1964-83	12-03-82	9.61	215
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 downstream from Greers Ferry Dam, 3.0 mi northeast of Heber Springs.	1,153	1927-80† 1981-83	02-05-83	18.33	11,000
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	1978-83	12-08-82	28.87	[d]179,000
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 west of Butlerville.	23.0	1961-83	12-24-82	11.70	5,000
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 west of Crockett, and 4.1 mi northeast of Boydsville.	1.58	1962-83	12-03-82	9.32	653
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 east of junction of State Highway 25 and 141, and 3.9 mi northeast of Walcott.	.68	1963-83	05-15-83	8.27	357
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 north of Egypt.	.48	1963-83	12-03-82	5.03	28
07077860	Boat Gunwale Slash near Holly Grove, Ar. (Discon.)	Lat 34°36'18", long 91°10'12", in SE 1/4 SW 1/4 sec.13, T.1 S., R.2 W., Monroe County, at bridge on State Highway 86, 1.8 mi northeast of Holly Grove. Prior to 1972 published as Boat Gunwale Slash tributary near Holly Grove.	10.0	1962-83	04-08-83	9.33	349

† Operated as a continuous-record gaging station.
c Downstream elevation.
d From rating based on backwater computation by Corps of Engineers.

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					
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 east of Goodwin.	31.1	1961-83	05-15-83	9.64	725
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 north of Ethel.	.20	1963-83	10-07-82	4.10	68
		Arkansas River basin					
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 west of Summers.	14.6	1963-83	12-03-82	11.05	4,000
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 upstream from bridge on Towson Avenue in Fort Smith.	10	1981-83	12-02-82	35.90	2,180
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	1981-83	12-02-82	68.01	580
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 northwest of Lee Creek.	35.3	1951-70† 1971-83	05-14-83	8.66	4,990
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 downstream from bridge on North 52nd Street in Fort Smith.	1.5	1981-83	07-02-83	5.77	103
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† 1971-83	12-03-82	12.58	13,100
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 northwest of Watalula.	.46	1961-83	12-03-82	7.17	257
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 downstream from bridge on U.S. Highway 64.	61.1	1953-70† 1971-83	12-02-82	14.73	13,400
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 southeast of Ozone.	.20	1964-83	12-03-82	9.05	141

† Operated as a continuous-record gaging station.

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	Annual maximum Gage height (feet)	Annual maximum Discharge (ft^3/s)
		Arkansas River basin--Continued					
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 southwest of Hagarville.	.19	1962-83	12-03-82	4.74	68
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 upstream from State Highway 359 bridge, 3.0 mi east of Lamar.	154	1978-83	12-03-82	15.35	13,300
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 north of Scottsville.	241	1948-70† 1971-83	12-03-82	[a]27.49	130,000
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 northeast of Dover.	7.05	1961-83	12-03-82	[a]11.14	4,100
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 north of Waldron.	.92	1961-83	12-03-82	5.70	238
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 downstream from Rock Creek, 1.3 mi south of Waveland.	516	1939-80† 1981-83	12-03-82	28.51	9,100
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 north of Waltreak.	81.4	1945-75† 1976-83	12-03-82	20.75	18,400
07260630	Jake Creek near Chickalah, Ar.	Lat 35°07'49", long 93°20'19", in NW 1/4 SE 1/4 sec.33, T.6 N., R.22 W., Yell County, at culvert on State Highway 27, 0.7 mi northeast of Ranger, 4.2 mi southwest of Chickalah.	1.85	1961-83	12-03-82	14.58	2,200
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 upstream from State Highway 247 bridge, 0.4 mi downstream from Hackers Creek, 5.5 mi northwest of Hattieville.	222	1978-83	12-03-82	26.62	64,100
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 south of Saint Vincent.	.09	1967-83	12-03-82	8.24	102
07261050	Pine Mountain Creek tributary near Damascus, Ar. (Discon.)	Lat 35°23'19", long 92°23'17", in NW 1/4 SW 1/4 sec.28, T.9 N., R.13 W., Van Buren County, at culvert on State Highway 124 just east of junction with U.S. Highway 65, and 2.0 mi northeast of Damascus.	.29	1961-83	12-03-82	13.50	573
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 south of Rover. Prior to 1968 published as Fourche LaFave River tributary near Rover.	1.40	1963-83	12-03-82	[a]10.65	1,260

† 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)
		Arkansas River basin--Continued					
--	Fourche LaFave River near Bluffton, Ar.	Lat 34°54'41", long 93°34'40", in NW 1/4 SE 1/4 sec.17, T.3 N., R.24 W., Yell County, at bridge on State Highway 28, 1.4 mi northwest of Bluffton.	479	1971	12-10-71	c408.1	e75,000
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 downstream from Nimrod Dam, 4.5 mi southwest of Nimrod.	684	1936-80†, 1981-83	12-03-82	10.03	6,200
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 upstream from bridge on State Highway 155, 1.0 mi south of Aplin.	957	1980-83	12-03-82	36.10	(b)
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 northeast of Perryville.	1.47	1962-83	12-03-82	11.45	1,150
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 northeast of Ferndale.	15.0	1963-83	12-03-82	11.18	2,800
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 downstream from bridge on State Highway 5, 0.5 mi east of Red Gate.	32.4	1978-79, 1981-83	12-03-82	12.15	3,550
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, 1981-83	05-14-82	11.90	4,400
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, 1981-83	12-24-82	8.60	2,650
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 northwest of Jacksonville.	2.38	1961-83	05-15-83	11.30	855
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 east of Lonoke.	8.41	1961-83	12-27-82	9.24	1,240
		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 northeat of Hatfield.	15.9	1963-83	12-03-82	11.09	4,850
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 west of DeQueen.	182	1948-80†, 1981-83	07-02-83	13.32	4,750

† Operated as a continuous-record gaging station.
b Not determined.
c Downstream elevation.
e Not previously published.

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)
		Red River basin--Continued					
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 east of junction of U.S. Highways 70 and 71, and 2.3 mi east of DeQueen.	6.41	1961-83	07-02-83	8.92	4,700
07340200	West Flat Creek near Foreman, Ar. (Discon.)	Lat 33°45'13", long 94°23'28", in NW 1/4 SW 1/4 sec.2, T.12 S, R.32 W., Little River County, at bridge on State Highway 41, 2.3 mi north of Foreman.	10.7	1962-83	12-02-82	12.97	3,800
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 east of DeQueen.	360	1938-80† 1981-83	07-02-83	17.37	22,600
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 west of Lockesburg.	.64	1963-83	12-26-82	9.76	719
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 southwest of Dierks.	121	1938-80† 1981-83	07-02-83	17.33	12,900
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 southwest of Dierks.	9.46	1961-83	05-15-83	12.40	9,000
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 northwest of Fouke.	1.44	1961-83	12-03-82	[a]11.64	780
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 northeast of Mena.	.65	1961-83	12-03-82	4.13	262
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 southeast of Big Fork.	.17	1964-83	12-03-82	14.25	225
07356700	Barnes Branch near Mount Ida, Ar. (Discon.)	Lat 35°33'57", long 93°37'03", in SE 1/4 SE 1/4 sec.13, T.2 S, R.25 W., Montgomery County, at culvert on State Highway 27, 1.1 mi northeast of Mount Ida.	1.85	1961-83	12-03-82	[a]16.79	3,070
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 southeast of Mountain Valley.	3.84	1961-83	12-03-82	12.29	1,960
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 southwest of Bonnerdale.	2.32	1962-83	12-02-82	12.89	2,380
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 south of Kirby.	.16	1963-83	05-15-83	6.21	215

† 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)
		Red River basin--Continued					
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 south of Ozan.	17.7	1963-83	12-03-82	23.73	5,000
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 north of junction of State Highway 4 and 19, and 1.3 mi northwest of Rosston. Prior to 1975 published as Little Caney Creek near Rosston.	1.48	1961-83	12-03-82	10.68	535
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 west of Hampton.	13.6	1962-83	12-03-82	9.59	2,950
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 west of Benton, and 3.0 mi downstream from confluence of North Fork and Alum Fork.	550	1951-79† 1980-83	12-04-82	26.37	64,700
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 southeast of Benton.	1.44	1962-83	12-03-82	6.63	515
07363200	Saline River near Sheridan, Ar.	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, on downstream side of bridge on U.S. Highway 167, 13.5 mi south of Sheridan.	1,123	1971-82† 1983	12-06-82	19.43	38,900
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 southeast of Rison. Prior to 1972 published as Saline River tributary near Rison.	.28	1964-83	12-28-82	8.71	214
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 southwest of Hermitage. Prior to 1975 published as Eagle Creek tributary near Hermitage.	.36	1963-83	12-28-82	5.09	87
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 southwest of Strong.	5.62	1963-83	12-27-82	15.35	950
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 southwest of Pine Bluff. Prior to 1962 published as Bayou Bartholomew tributary near Pine Bluff.	.75	1961-83	05-15-83	10.40	590
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 north of junction of State Highways 11 and 81, in Star City.	4.93	1962-83	12-28-82	8.29	975

† Operated as a continuous-record gaging station.

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	Annual maximum Gage height (feet)	Annual maximum Discharge (ft^3/s)
		Red River basin--Continued					
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 north of Monticello.	18.5	1963-83	12-28-82	9.88	1,030
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 southwest of Hamburg.	20.9	1962-83	12-27-82	10.60	1,400
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 southeast of El Dorado.	.13	1961-83	12-27-82	8.08	81
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 south of Dumas.	.94	1961-83	12-27-82	7.69	162
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 north of junction of U.S. Highway 165 and 82 in Montrose.	3.24	1961-83	12-27-82	7.68	485
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 east of Parkdale.	1.86	1963-83	12-27-82	7.39	137

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 1983

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 north of Dell.	(a)	1974-82	11-02-82 12-29-82 03-09-83 05-24-83	4.73 267 26.4 58
		White River basin				
Spring River	Black River	Lat 36°30'10", long 91°31'31", in SE 1/4 SE 1/4 sec.5, T.21 N., R.5 W., Oregon County, Mo., at bridge on county road, 0.6 mi east of U.S. Highway 63, 0.2 mi north of Missouri-Arkansas State line, and 1.1 mi southeast of Thayer, Mo.	(a)	1971-75	01-26-83 04-14-83 07-13-83	125 606 46.7
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 upstream from South Fork Spring River, and 2.2 mi northwest of Hardy.	(a)	1975-82	01-26-83 04-15-83 07-13-83	696 1,410 419
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 southeast of Saddle.	(a)	1974-82	11-04-82 03-11-83 05-26-83 08-19-83	13.8 255 229 15.7
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 northwest of Gibson.	(a)	1974-82	03-22-82 06-30-82 09-14-82 01-24-83 04-12-83	[b]22.0 [b]6.35 [b]7.83 23.5 116
		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 downstream from Bear Creek.	118	1971-82	10-06-82 01-04-83 03-31-83 05-05-83 07-27-83	16.5 141 70.9 281 20.2
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 west of State Highway 59, 0.9 mi north of State line along Highway 59, and 2.0 mi northwest of Sulphur Springs.	34.9	1971-82	10-06-82 01-04-83 03-31-83 05-05-83 07-27-83	1.98 25.2 27.2 90.7 3.41
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[c] 1974-78 1979-81[d] 1982	10-07-82 01-05-83 04-01-83 05-05-83 07-28-83	4.14 114 64.6 112 8.38
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 downstream from Little Osage Creek, and 3.2 mi northwest of Elm Springs.	130	1950-75[d] 1977, 1982	01-04-83 03-31-83 05-05-83 07-28-83	168 72.7 206 55.4
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 southeast of Siloam Springs.	509	1979-81[d] 1982	10-05-82 01-04-83 03-31-83 05-05-83 07-27-83	68.4 557 224 659 119

a Not determined.
b Not previously published.
c Operated as a low-flow partial-record station.
d Operated as a continuous-record gaging station.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1983--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Arkansas River basin--Continued				
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 west of State line and 2.6 mi northwest of Siloam Springs.	(a)	1971-82	10-05-82 01-04-83 03-31-83 05-05-83 07-27-83	5.85 13.4 7.08 19.7 7.17
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 south of Cabot.	84.9	1974-82	11-22-82 02-25-83 05-10-83	139 114 99.9
		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 south of Texarkana.	(a)	1973-82	11-30-82 02-22-83 08-09-83	63.6 448 24.4
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 southeast of Lewisville.	(a)	1974-82	11-30-82 02-23-83	774 865
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 west of Langley.	66.5	1958-63[c] 1974-82	10-19-82 01-11-83 04-06-83 08-04-83	16.2 68.7 147 24.2
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 west of Banks.	374	1958-63[c] 1974-82	12-29-82 03-22-83 06-13-83	16,700 247 181
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 downstream from Brushy Creek, 1.5 mi southwest of Sardis.	(a)	1974-82	10-21-82 01-06-83 04-06-83 06-20-83 09-14-83	2.17 155 200 18.5 2.15
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 south of Ladd.	(a)	1968, 1974-82	11-22-82 02-25-83 05-11-83 08-02-83	62.3 264 40.2 27.6
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 southeast of El Dorado.	78.4	1959-64[c] 1971-75, 1978-82	05-17-83 08-09-83	219 23.2

a Not determined.
c Operated as a low-flow partial-record station.
e Operated as a stage station by Corps of Engineers.

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 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN

07049050 BEAVER LAKE AT WAR EAGLE, AR (LAT 26 16 03 LONG 093 56 35)

DATE	TIME	MEDIUM	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)
JAN										
26...	1115	0	80513	80513	.00	2.0	--	--	3.0	--
26...	1116	0	80513	80010	1.00	2.0	--	--	--	--
26...	1120	0	80513	80010	1.00	2.0	192	7.3	--	5.5
MAY										
17...	1335	9	80513	80513	.00	6.0	--	--	24.5	--
17...	1340	9	80513	80010	3.00	6.0	126	7.7	--	16.0
AUG										
16...	1235	9	80513	80513	.00	1.0	--	--	35.5	--
16...	1240	9	80513	80010	.50	1.0	265	7.6	--	27.5

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)
JAN										
26...	1115	--	--	>24.0	>.60	--	733	--	K3	--
26...	1120	3	8.6	--	--	14.6	--	1.7	--	82
MAY										
17...	1335	--	--	>72.0	>1.80	--	732	--	K400	--
17...	1340	7	25	--	--	9.1	--	1.3	--	64
AUG										
16...	1235	--	--	>12.0	>.30	--	736	--	40	--
16...	1240	12	2.5	--	--	6.0	--	1.0	--	110

DATE	TIME	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN										
26...	1116	--	--	--	--	--	--	--	6.80	<.100
26...	1120	0	0	30	75	1.8	86	6.0	--	--
MAY										
17...	1340	10	10	23	58	1.5	54	2.5	6.80	<.100
AUG										
16...	1240	0	0	40	100	1.8	120	6.7	--	--

07049200 BEAVER LAKE AT ROGERS WATER INTAKE NEAR LOWELL, AR
(LAT 36 15 31 LONG 094 04 09)

DATE	TIME	MEDIUM	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)
JAN											
26...	0830	0	80513	80513	.00	90.0	--	--	--	--	--
26...	0831	0	80513	80010	3.00	90.0	--	--	--	--	--
26...	0835	0	80513	80010	18.0	90.0	106	7.5	--	5.5	40
26...	0840	0	80513	80010	72.0	90.0	110	7.5	--	5.5	33
MAY											
17...	1450	9	80513	80513	.00	85.0	--	--	23.5	--	--
17...	1451	9	80513	80010	3.00	85.0	--	--	--	--	--
17...	1455	9	80513	80010	17.0	85.0	112	9.0	--	18.5	2
17...	1500	9	80513	80010	68.0	85.0	118	7.5	--	10.0	2
AUG											
16...	1435	9	80513	80513	.00	75.0	--	--	35.0	--	--
16...	1436	9	80513	80010	3.00	75.0	--	--	--	--	--
16...	1440	9	80513	80010	15.0	75.0	134	7.8	--	30.0	12
16...	1445	9	80513	80010	60.0	75.0	145	7.4	--	12.5	15

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07049200 BEAVER LAKE AT ROGERS WATER INTAKE NEAR LOWELL, AR--CONTINUED

DATE	TIME	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
JAN											
26...	0830	--	38.4	1.00	--	734	--	<3	--	--	--
26...	0835	22	--	--	11.8	--	2.0	--	36	1	1
26...	0840	21	--	--	11.6	--	1.9	--	39	3	3
MAY											
17...	1450	--	49.2	1.30	--	731	--	0	--	--	--
17...	1455	1.8	--	--	10.1	--	2.6	--	47	4	4
17...	1500	4.8	--	--	6.4	--	.9	--	51	9	9
AUG											
16...	1435	--	110	2.80	--	736	--	5	--	--	--
16...	1440	1.2	--	--	6.0	--	1.1	--	54	2	2
16...	1445	7.3	--	--	.4	--	.7	--	62	3	3

DATE	TIME	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
JAN											
26...	0835	12	30	1.5	<.1	35	7.0	3.5	1.10	1.10	.070
26...	0840	13	32	1.5	1.6	36	7.0	4.0	1.10	1.10	.060
MAY											
17...	1455	17	--	1.2	1.3	43	7.0	2.0	.300	.300	.020
17...	1500	18	--	1.5	1.4	42	8.0	3.0	.700	.700	.050
AUG											
16...	1440	19	48	1.6	1.2	52	7.0	2.0	--	<.100	.020
16...	1445	22	55	1.7	1.2	59	6.0	2.5	.100	.100	.310

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	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)
JAN											
26...	0835	--	<.10	--	--	.060	.18	.050	200	2	<10
26...	0840	--	<.10	--	--	.060	.18	.050	520	2	10
MAY											
17...	1455	.48	.50	.80	3.5	.020	.06	.020	90	1	20
17...	1500	.35	.40	1.1	4.9	.030	.09	.020	200	1	20
AUG											
16...	1440	.08	.10	--	--	.020	.06	<.010	<10	2	10
16...	1445	.39	.70	.80	3.5	.030	.09	<.010	230	2	10

DATE	TIME	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)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN										
26...	0831	--	--	--	--	--	--	--	.900	<.100
26...	0835	3	610	<1	40	.1	4	10	--	--
26...	0840	3	690	<1	50	.1	5	10	--	--
MAY										
17...	1451	--	--	--	--	--	--	--	3.30	<.100
17...	1455	4	180	3	40	.1	7	30	--	--
17...	1500	2	270	50	50	.1	5	30	--	--
AUG										
16...	1436	--	--	--	--	--	--	--	1.50	<.100
16...	1440	2	160	5	30	<.1	1	40	--	--
16...	1445	24	880	6	1800	<.1	1	20	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07049230 BEAVER LAKE AT MONTE NE, AR (LAT 36 16 56 LONG 094 04 30)

DATE	TIME	MEDIUM	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)
JAN										
26...	0855	0	80513	80513	.00	14.0	--	--	2.5	--
26...	0856	0	80513	80010	3.00	14.0	--	--	--	--
26...	0900	0	80513	80010	7.00	14.0	114	7.5	--	5.5
MAY										
17...	1515	9	80513	80513	.00	14.0	--	--	24.0	--
17...	1516	9	80513	80010	3.00	14.0	--	--	--	--
17...	1520	9	80513	80010	7.00	14.0	126	8.6	--	19.0
AUG										
16...	1505	9	80513	80513	.00	6.0	--	--	36.0	--
16...	1510	9	80513	80010	3.00	6.0	190	7.8	--	30.5

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
JAN										
26...	0855	--	--	24.0	.60	--	732	<3	--	--
26...	0900	40	26	--	--	12.0	--	--	43	2
MAY										
17...	1515	--	--	66.0	1.70	--	732	5	--	--
17...	1520	5	3.1	--	--	10.4	--	--	56	9
AUG										
16...	1505	--	--	36.0	.90	--	736	7	--	--
16...	1510	10	2.0	--	--	8.0	--	--	89	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN									
26...	0856	--	--	--	--	--	--	1.60	<.100
26...	0900	2	15	38	1.4	41	3.5	--	--
MAY									
17...	1516	--	--	--	--	--	--	3.00	1.00
17...	1520	9	20	50	1.5	47	2.5	--	--
AUG									
16...	1510	0	33	82	1.5	94	5.0	--	--

07049500 BEAVER LAKE AT HIGHWAY 12 BRIDGE NEAR ROGERS, AR
(LAT 36 19 57 LONG 094 01 08)

DATE	TIME	MEDIUM	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)
JAN											
26...	0925	0	80513	80513	.00	125	--	--	2.5	--	--
26...	0926	0	80513	80010	3.00	125	--	--	--	--	--
26...	0930	0	80513	80010	25.0	125	116	7.6	--	6.5	45
26...	0935	0	80513	80010	100	125	116	7.6	--	6.5	45
MAY											
17...	1535	9	80513	80513	.00	120	--	--	23.5	--	--
17...	1536	9	80513	80010	3.00	120	--	--	--	--	--
17...	1540	9	80513	80010	24.0	120	118	7.7	--	15.0	7
17...	1545	9	80513	80010	96.0	120	122	7.2	--	9.0	5
AUG											
16...	1530	9	80513	80513	.00	105	--	--	34.0	--	--
16...	1535	9	80513	80010	21.0	105	128	8.3	--	29.0	7
16...	1540	9	80513	80010	84.0	105	137	7.4	--	10.5	12

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07049500 BEAVER LAKE AT HIGHWAY 12 BRIDGE NEAR ROGERS, AR--CONTINUED

DATE	TIME	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
JAN											
26...	0925	--	48.0	1.20	--	734	--	<3	--	--	--
26...	0930	25	--	--	11.4	--	1.9	--	43	0	0
26...	0935	25	--	--	11.3	--	1.4	--	41	0	0
MAY											
17...	1535	--	61.2	1.60	--	732	--	1	--	--	--
17...	1540	3.6	--	--	8.3	--	.8	--	52	0	0
17...	1545	5.5	--	--	7.0	--	.8	--	50	4	4
AUG											
16...	1530	--	101	2.60	--	736	--	1	--	--	--
16...	1535	1.2	--	--	6.7	--	.5	--	54	5	5
16...	1540	2.5	--	--	.4	--	.5	--	54	4	4

DATE	TIME	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
JAN											
26...	0930	14	35	1.9	2.4	43	7.0	3.8	.700	.700	.090
26...	0935	14	35	1.5	1.9	43	6.0	4.3	.700	.700	.100
MAY											
17...	1540	18	45	1.7	1.6	79	7.0	3.0	.500	.500	.050
17...	1545	18	45	1.3	1.7	46	7.0	3.0	.700	.700	.060
AUG											
16...	1535	19	48	1.6	1.2	49	7.0	3.0	--	<.100	.020
16...	1540	19	48	1.7	1.3	51	7.0	2.5	.700	.700	.030

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	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)
JAN											
26...	0930	--	<.10	--	--	.050	.15	.040	360	2	10
26...	0935	.20	.30	1.0	4.4	.050	.15	.050	260	1	<10
MAY											
17...	1540	.25	.30	.80	3.5	.020	.06	<.010	100	1	10
17...	1545	.24	.30	1.0	4.4	.020	.06	.010	200	1	10
AUG											
16...	1535	--	<.10	--	--	.610	1.9	<.010	<10	1	10
16...	1540	--	<.10	--	--	.020	.06	<.010	50	2	10

DATE	TIME	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)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN										
26...	0926	--	--	--	--	--	--	--	.500	<.100
26...	0930	4	950	<1	40	.1	5	10	--	--
26...	0935	4	890	<1	50	.1	8	20	--	--
MAY										
17...	1536	--	--	--	--	--	--	--	1.50	<.100
17...	1540	1	200	1	20	.1	7	60	--	--
17...	1545	<1	260	2	50	.1	8	30	--	--
AUG										
16...	1535	3	160	4	30	<.1	<1	90	--	--
16...	1540	2	230	5	1100	<.1	1	90	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07049570 BEAVER LAKE ON PRAIRIE CREEK NEAR ROGERS, AR (LAT 36 20 48 LONG 094 04 57)

DATE	TIME	MEDIUM	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)
JAN										
26...	0955	0	80513	80513	.00	12.0	--	--	3.0	--
26...	0956	0	80513	80010	3.00	12.0	--	--	--	--
26...	1000	0	80513	80010	8.00	12.0	144	7.8	--	5.5
MAY										
17...	1625	9	80513	80513	.00	16.0	--	--	23.0	--
17...	1626	9	80513	80010	3.00	16.0	--	--	--	--
17...	1630	9	80513	80010	8.00	16.0	140	8.2	--	18.5
AUG										
16...	1605	9	80513	80513	.00	4.0	--	--	34.5	--
16...	1610	9	80513	80010	2.00	4.0	141	7.9	--	31.0

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)
JAN										
26...	0955	--	--	50.4	1.30	--	734	--	K3	--
26...	1000	20	14	--	--	13.2	--	1.7	--	49
MAY										
17...	1625	--	--	62.4	1.60	--	731	--	2	--
17...	1630	3	2.5	--	--	9.4	--	2.3	--	57
AUG										
16...	1605	--	--	39.6	1.00	--	736	--	1	--
16...	1610	10	1.9	--	--	8.3	--	1.3	--	57

DATE	TIME	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN										
26...	0956	--	--	--	--	--	--	--	3.00	<.100
26...	1000	0	0	17	42	1.7	54	4.4	--	--
MAY										
17...	1626	--	--	--	--	--	--	--	4.70	<.100
17...	1630	11	11	21	52	1.1	46	4.0	--	--
AUG										
16...	1610	0	0	20	50	1.6	56	3.5	--	--

07049590 BEAVER LAKE NEAR AVOCA, AR (LAT 36 22 10 LONG 094 03 38)

DATE	TIME	MEDIUM	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)
JAN											
26...	1005	0	80513	80513	.00	14.0	--	--	3.0	--	--
26...	1006	0	80513	80010	3.00	14.0	--	--	--	--	--
26...	1010	0	80513	80010	7.00	14.0	136	7.7	--	5.0	20
MAY											
17...	1605	9	80513	80513	.00	16.0	--	--	23.5	--	--
17...	1606	9	80513	80010	3.00	16.0	--	--	--	--	--
17...	1610	9	80513	80010	8.00	16.0	126	8.3	--	18.0	3
AUG											
16...	1555	9	80513	80513	.00	6.0	--	--	34.0	--	--
16...	1600	9	80513	80010	3.00	6.0	140	7.9	--	31.5	14

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07049590 BEAVER LAKE NEAR AVOCA, AR--CONTINUED

DATE	TIME	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
JAN											
26...	1005	--	62.4	1.60	--	734	--	K3	--	--	--
26...	1010	12	--	--	12.9	--	2.0	--	57	3	3
MAY											
17...	1605	--	60.0	1.50	--	731	--	10	--	--	--
17...	1610	3.9	--	--	9.3	--	1.6	--	55	7	7
AUG											
16...	1555	--	40.8	1.00	--	736	--	4	--	--	--
16...	1600	1.4	--	--	7.7	--	1.1	--	57	5	5

DATE	TIME	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
JAN											
26...	1010	20	50	1.7	<.1	54	7.0	4.5	.300	.300	.110
MAY											
17...	1610	19	--	1.8	1.4	48	7.0	3.0	.500	.500	.040
AUG											
16...	1600	20	50	1.6	1.2	52	7.0	3.5	--	<.100	.020

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	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)
JAN											
26...	1010	--	<.10	--	--	.040	.12	.030	160	2	10
MAY											
17...	1610	.36	.40	.90	4.0	.020	.06	<.010	70	1	10
AUG											
16...	1600	--	<.10	--	--	.020	.06	<.010	60	2	<10

DATE	TIME	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)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN										
26...	1006	--	--	--	--	--	--	--	8.30	<.100
26...	1010	3	600	<1	20	.2	5	10	--	--
MAY										
17...	1606	--	--	--	--	--	--	--	2.70	<.100
17...	1610	<1	150	2	20	.1	9	30	--	--
AUG										
16...	1600	2	170	4	40	<.1	<1	70	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07050080 TABLE ROCK LAKE NEAR EAGLE ROCK, MO (LAT 36 31 22 LONG 093 43 26)

DATE	TIME	MEDIUM	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)
DEC										
08...	1510	0	80513	80513	.00	70.0	--	--	5.0	--
08...	1511	0	80513	80010	3.00	70.0	--	--	--	--
08...	1515	0	80513	80010	14.0	70.0	185	7.8	--	11.0
08...	1520	0	80513	80010	56.0	70.0	180	7.9	--	10.5
MAY										
18...	1145	9	80513	80513	.00	60.0	--	--	19.5	--
18...	1146	9	80513	80010	3.00	60.0	--	--	--	--
18...	1150	9	80513	80010	12.0	60.0	208	8.4	--	18.5
18...	1155	9	80513	80010	48.0	60.0	202	8.0	--	13.0
AUG										
17...	1015	9	80513	80513	.00	55.0	--	--	28.5	--
17...	1016	9	80513	80010	3.00	55.0	--	--	--	--
17...	1020	9	80513	80010	11.0	55.0	200	--	--	31.0
17...	1025	9	80513	80010	44.0	55.0	160	7.8	--	18.0

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC										
08...	1510	--	--	20.4	.50	--	750	330	--	--
08...	1515	30	15	--	--	9.8	--	--	93	0
08...	1520	20	13	--	--	8.9	--	--	88	0
MAY										
18...	1145	--	--	94.8	2.40	--	733	0	--	--
18...	1150	8	2.0	--	--	9.9	--	--	100	9
18...	1155	2	2.5	--	--	6.6	--	--	98	8
AUG										
17...	1015	--	--	92.4	2.40	--	740	0	--	--
17...	1020	2	1.2	--	--	8.0	--	--	95	0
17...	1025	5	7.5	--	--	6.6	--	--	69	3

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
08...	1511	--	--	--	--	--	--	2.30	<.100
08...	1515	0	28	70	5.6	95	4.0	--	--
08...	1520	0	26	65	5.7	98	8.5	--	--
MAY									
18...	1146	--	--	--	--	--	--	6.00	<.100
18...	1150	9	31	78	6.4	95	2.0	--	--
18...	1155	8	31	78	5.0	90	2.5	--	--
AUG									
17...	1016	--	--	--	--	--	--	2.90	<.100
17...	1020	0	27	68	6.7	95	3.5	--	--
17...	1025	3	23	58	2.8	66	3.0	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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	MEDIUM	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)
DEC										
08...	1550	0	80513	80513	.00	31.0	--	--	4.0	--
08...	1551	0	80513	80010	3.00	31.0	--	--	--	--
08...	1555	0	80513	80010	6.00	31.0	190	7.6	--	10.0
08...	1600	0	80513	80010	25.0	31.0	195	7.7	--	9.5
MAY										
18...	1225	9	80513	80513	.00	26.0	--	--	19.5	--
18...	1226	9	80513	80010	3.00	26.0	--	--	--	--
18...	1230	9	80513	80010	5.00	26.0	202	8.1	--	17.0
18...	1235	9	80513	80010	21.0	26.0	202	8.1	--	16.5
AUG										
17...	1100	9	80513	80513	.00	16.0	--	--	30.5	--
17...	1105	9	80513	80010	3.00	16.0	256	7.8	--	31.5
17...	1110	9	80513	80010	13.0	16.0	--	--	--	--

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC										
08...	1550	--	--	33.6	.90	--	750	270	--	--
08...	1555	17	6.4	--	--	1.0	--	--	93	5
08...	1600	20	7.0	--	--	10.0	--	--	92	4
MAY										
18...	1225	--	--	43.2	1.10	--	732	160	--	--
18...	1230	5	6.4	--	--	8.1	--	--	100	0
18...	1235	6	6.7	--	--	8.1	--	--	97	3
AUG										
17...	1100	--	--	33.6	.90	--	740	3	--	--
17...	1105	9	1.7	--	--	7.6	--	--	110	0
17...	1110	6	7.5	--	--	--	--	--	130	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
08...	1551	--	--	--	--	--	--	.100	<.100
08...	1555	5	27	68	6.2	88	4.5	--	--
08...	1600	4	27	68	5.9	88	4.5	--	--
MAY									
18...	1226	--	--	--	--	--	--	1.60	<.100
18...	1230	0	29	72	6.7	190	2.0	--	--
18...	1235	3	28	70	6.5	94	2.0	--	--
AUG									
17...	1105	0	30	75	9.5	120	4.5	24.0	<.100
17...	1110	0	34	85	10	130	8.0	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07050530 TABLE ROCK LAKE NEAR LAMPE, MO (LAT 36 34 20 LONG 093 31 25)

DATE	TIME	MEDIUM	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)
DEC											
09...	1030	0	80513	80513	.00	155	--	--	-1.0	--	--
09...	1031	0	80513	80010	3.00	155	--	--	--	--	--
09...	1035	0	80513	80010	31.0	155	190	7.7	--	11.5	6
09...	1040	0	80513	80010	124	155	200	7.3	--	10.5	7
MAY											
19...	1155	9	80513	80513	.00	145	--	--	19.5	--	--
19...	1156	9	80513	80010	3.00	145	--	--	--	--	--
19...	1200	9	80513	80010	29.0	145	210	8.3	--	16.5	3
19...	1205	9	80513	80010	116	145	190	7.6	--	8.5	2
AUG											
17...	1440	9	80513	80513	.00	135	--	--	31.0	--	--
17...	1441	9	80513	80010	3.00	135	--	--	--	--	--
17...	1445	9	80513	80010	27.0	135	200	8.1	--	24.0	10
17...	1450	9	80513	80010	108	135	190	7.7	--	11.0	6

DATE	TIME	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
DEC											
09...	1030	--	102	2.60	--	759	--	K9	--	--	--
09...	1035	<1.0	--	--	7.5	--	.9	--	86	0	0
09...	1040	1.1	--	--	.4	--	1.5	--	86	30	30
MAY											
19...	1155	--	155	3.9	--	739	--	1	--	--	--
19...	1200	1.4	--	--	9.3	--	1.0	--	100	14	14
19...	1205	1.0	--	--	6.9	--	.6	--	86	0	0
AUG											
17...	1440	--	161	4.1	--	740	--	0	--	--	--
17...	1445	1.0	--	--	3.6	--	.7	--	92	0	0
17...	1450	1.4	--	--	.3	--	.5	--	79	0	0

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
DEC											
09...	1035	26	65	5.0	87	8.0	6.0	.100	.100	.050	.25
09...	1040	26	65	5.1	56	8.0	4.3	.100	.100	.050	.15
MAY											
19...	1200	31	78	5.4	86	7.0	6.0	.500	.500	.090	.21
19...	1205	27	68	4.5	89	7.0	5.0	.500	.500	.040	.16
AUG											
17...	1445	29	72	4.7	100	7.0	5.0	--	<.100	.240	--
17...	1450	25	62	4.0	79	7.0	3.0	.300	.300	.100	1.2

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC											
09...	1031	--	--	--	--	--	--	--	--	2.10	<.100
09...	1035	.30	.40	1.8	.020	.06	<.010	80	40	--	--
09...	1040	.20	.30	1.3	.020	.06	<.010	60	80	--	--
MAY											
19...	1156	--	--	--	--	--	--	--	--	6.00	<.100
19...	1200	.30	.80	3.5	.020	.06	.020	140	10	--	--
19...	1205	.20	.70	3.1	.010	.03	<.010	140	20	--	--
AUG											
17...	1441	--	--	--	--	--	--	--	--	2.80	<.100
17...	1445	<.20	--	--	.010	.03	<.010	60	20	--	--
17...	1450	1.3	1.6	7.1	<.010	--	<.010	270	240	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07052910 TABLE ROCK LAKE (JAMES RIVER ARM) AT CAPE FAIR, MO
(LAT 36 43 24 LONG 093 29 35)

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
DEC											
09...	0815	0	80513	80513	.00	60.0	--	--	-3.5	--	--
09...	0816	0	80513	80010	3.00	60.0	--	--	--	--	--
09...	0820	0	80513	80010	12.0	60.0	250	7.9	--	10.5	25
09...	0825	0	80513	80010	48.0	60.0	255	7.8	--	10.5	20
MAY											
19...	1035	9	80513	80513	.00	50.0	--	--	18.0	--	--
19...	1036	9	80513	80010	3.00	50.0	--	--	--	--	--
19...	1040	9	80513	80010	10.0	50.0	310	7.7	--	17.5	3
19...	1045	9	80513	80010	40.0	50.0	315	7.8	--	16.0	4
AUG											
17...	1305	9	80513	80513	.00	45.0	--	--	28.5	--	--
17...	1306	9	80513	80010	3.00	45.0	--	--	--	--	--
17...	1310	9	80513	80010	9.00	45.0	195	7.6	--	29.5	7
17...	1315	9	80513	80010	36.0	45.0	343	7.3	--	20.5	10

DATE	TIME	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	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)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)
DEC											
09...	0815	--	27.6	.70	--	760	--	150	--	--	--
09...	0820	17	--	--	9.4	--	1.4	--	120	6	6
09...	0825	17	--	--	9.7	--	.9	--	120	7	7
MAY											
19...	1035	--	67.2	1.70	--	738	--	22	--	--	--
19...	1040	3.5	--	--	9.4	--	1.8	--	150	2	2
19...	1045	13	--	--	6.6	--	1.5	--	140	4	4
AUG											
17...	1305	--	84.0	2.10	--	742	--	0	--	--	--
17...	1310	1.6	--	--	4.7	--	1.9	--	78	0	0
17...	1315	23	--	--	.0	--	1.3	--	150	0	0

DATE	TIME	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
DEC											
09...	0820	42	110	3.5	113	9.0	8.5	2.20	2.20	.070	.43
09...	0825	42	110	3.7	113	8.0	8.0	2.20	2.20	.060	.24
MAY											
19...	1040	51	130	4.5	144	8.0	8.6	1.40	1.40	.040	.46
19...	1045	50	120	4.8	141	8.0	8.6	1.50	1.50	.070	.23
AUG											
17...	1310	23	58	5.0	79	9.0	11	--	<.100	.020	.28
17...	1315	53	130	4.6	170	6.0	7.0	--	<.100	1.70	.40

DATE	TIME	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)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC											
09...	0816	--	--	--	--	--	--	--	--	.200	<.100
09...	0820	.50	2.7	12	.130	.40	.070	600	50	--	--
09...	0825	.30	2.5	11	.150	.46	.070	520	50	--	--
MAY											
19...	1036	--	--	--	--	--	--	--	--	17.0	2.90
19...	1040	.50	1.9	8.4	.070	.21	.040	100	40	--	--
19...	1045	.30	1.8	8.0	.100	.31	.080	530	140	--	--
AUG											
17...	1306	--	--	--	--	--	--	--	--	15.0	<.100
17...	1310	.30	--	--	.050	.15	<.010	190	30	--	--
17...	1315	2.1	--	--	.230	.71	.190	2700	4000	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07052920 TABLE ROCK LAKE (JAMES RIVER ARM) NEAR KIMBERLING CITY, MO
(LAT 36 38 23 LONG 093 29 27)

DATE	TIME	MEDIUM	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)
DEC										
09...	0950	0	80513	80513	.00	160	--	--	-1.0	--
09...	0951	0	80513	80010	3.00	160	--	--	--	--
09...	0955	0	80513	80010	32.0	160	250	7.7	--	11.5
09...	1000	0	80513	80010	128	160	270	7.8	--	11.5
MAY										
19...	1130	9	80513	80513	.00	145	--	--	19.0	--
19...	1131	9	80513	80010	3.00	145	--	--	--	--
19...	1135	9	80513	80010	29.0	145	240	8.0	--	16.5
19...	1140	9	80513	80010	116	145	275	7.5	--	9.5
AUG										
17...	1415	9	80513	80513	.00	140	--	--	30.0	--
17...	1416	9	80513	80010	3.00	140	--	--	--	--
17...	1420	9	80513	80010	28.0	140	240	7.8	--	23.0
17...	1425	9	80513	80010	112	140	245	7.7	--	12.0

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC										
09...	0950	--	--	15.6	.40	--	759	K9	--	--
09...	0955	45	26	--	--	7.9	--	--	100	0
09...	1000	6	3.3	--	--	7.1	--	--	120	1
MAY										
19...	1130	--	--	87.6	2.20	--	738	0	--	--
19...	1135	8	2.5	--	--	8.3	--	--	110	1
19...	1140	4	1.6	--	--	5.7	--	--	140	11
AUG										
17...	1415	--	--	155	3.9	--	740	0	--	--
17...	1420	5	<1.0	--	--	.2	--	--	110	5
17...	1425	5	1.5	--	--	.0	--	--	120	4

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
09...	0951	--	--	--	--	--	--	1.30	<.100
09...	0955	0	34	85	4.3	105	7.5	--	--
09...	1000	1	39	98	6.0	121	11	--	--
MAY									
19...	1131	--	--	--	--	--	--	8.50	<.100
19...	1135	1	37	92	4.5	110	6.6	--	--
19...	1140	11	45	110	5.5	124	7.6	--	--
AUG									
17...	1416	--	--	--	--	--	--	2.10	<.100
17...	1420	5	39	98	4.2	110	7.7	--	--
17...	1425	4	43	--	4.0	120	7.5	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07053320 TABLE ROCK LAKE (LONG CREEK ARM) NEAR RIDGEDALE, MO
(LAT 36 31 39 LONG 093 18 10)

DATE	TIME	MEDIUM	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)
DEC										
09...	1235	0	80513	80513	.00	125	--	--	1.0	--
09...	1236	0	80513	80010	3.00	125	--	--	--	--
09...	1240	0	80513	80010	25.0	125	205	7.7	--	12.0
09...	1245	0	80513	80010	100	125	240	7.6	--	12.0
MAY										
19...	0835	9	80513	80513	.00	115	--	--	14.5	--
19...	0836	9	80513	80010	3.00	115	--	--	--	--
19...	0840	9	80513	80010	23.0	115	225	8.2	--	14.5
19...	0845	9	80513	80010	92.0	115	225	7.8	--	9.5
AUG										
17...	1725	9	80513	80513	.00	105	--	--	33.5	--
17...	1726	9	80513	80010	3.00	105	--	--	--	--
17...	1730	9	80513	80010	21.0	105	190	8.6	--	26.0
17...	1735	9	80513	80010	84.0	105	230	7.9	--	13.5

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC										
09...	1235	--	--	9.6	.20	--	752	210	--	--
09...	1240	45	27	--	--	8.4	--	--	87	0
09...	1245	6	2.6	--	--	7.8	--	--	100	0
MAY										
19...	0835	--	--	148	3.8	--	737	0	--	--
19...	0840	7	1.3	--	--	9.4	--	--	110	4
19...	0845	4	1.3	--	--	6.5	--	--	100	0
AUG										
17...	1725	--	--	144	3.7	--	740	2	--	--
17...	1730	2	1.3	--	--	11.0	--	--	91	0
17...	1735	7	1.4	--	--	.1	--	--	110	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
09...	1236	--	--	--	--	--	--	.800	<.100
09...	1240	0	29	72	3.6	98	6.0	--	--
09...	1245	0	34	85	4.6	112	6.2	--	--
MAY									
19...	0836	--	--	--	--	--	--	4.60	<.100
19...	0840	4	35	88	4.5	102	6.6	--	--
19...	0845	0	34	85	4.4	103	5.5	--	--
AUG									
17...	1726	--	--	--	--	--	--	3.10	<.100
17...	1730	0	29	72	4.5	92	5.5	--	--
17...	1735	0	39	98	4.0	120	4.7	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07053830 BULL SHOALS LAKE AT FORSYTH, MO (LAT 36 40 17 LONG 093 07 10)

DATE	TIME	MEDIUM	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)
DEC											
09...	1635	0	80513	80513	.00	30.0	--	--	4.5	--	--
09...	1636	0	80513	80010	3.00	30.0	--	--	--	--	--
09...	1640	0	80513	80010	15.0	30.0	238	7.7	--	10.0	8
MAY											
18...	1445	9	80513	80513	.00	18.0	--	--	19.0	--	--
18...	1446	9	80513	80010	3.00	18.0	--	--	--	--	--
18...	1450	9	80513	80010	9.00	18.0	249	8.4	--	12.5	2
AUG											
18...	0835	9	80513	80513	.00	8.0	--	--	24.0	--	--
18...	0840	9	80513	80010	4.00	8.0	215	7.8	--	14.0	5

DATE	TIME	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
DEC											
09...	1635	--	39.6	1.00	--	749	--	K30	--	--	--
09...	1640	1.0	--	--	9.1	--	1.3	--	110	0	0
MAY											
18...	1445	--	90.0	2.30	--	739	--	41	--	--	--
18...	1450	2.3	--	--	10.1	--	.9	--	130	0	0
AUG											
18...	0835	--	78.0	2.00	--	748	--	36	--	--	--
18...	0840	5.0	--	--	5.4	--	.6	--	110	9	9

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
DEC											
09...	1640	33	82	6.0	110	8.0	5.5	.300	.300	.100	--
MAY											
18...	1450	41	100	7.3	230	8.0	5.0	.500	.500	.050	.35
AUG											
18...	0840	34	85	5.7	100	7.0	7.5	.600	.600	.070	.23

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC											
09...	1636	--	--	--	--	--	--	--	--	1.00	<.100
09...	1640	<.10	--	--	.040	.12	<.010	190	200	--	--
MAY											
18...	1446	--	--	--	--	--	--	--	--	.500	<.100
18...	1450	.40	.90	4.0	.020	.06	<.010	120	60	--	--
AUG											
18...	0840	.30	.90	4.0	.030	.09	<.010	270	90	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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	MEDIUM	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 (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)
DEC										
09...	1505	0	80513	80513	.00	35.0	--	--	5.0	--
09...	1506	0	80513	80010	3.00	35.0	--	--	--	--
09...	1510	0	80513	80010	7.00	35.0	166	7.5	--	12.5
09...	1515	0	80513	80010	28.0	35.0	190	7.6	--	12.0
MAY										
18...	1605	9	80513	80513	.00	26.0	--	--	18.5	--
18...	1606	9	80513	80010	3.00	26.0	--	--	--	--
18...	1610	9	80513	80010	5.00	26.0	270	8.7	--	19.0
18...	1615	9	80513	80010	21.0	26.0	282	8.2	--	16.0
AUG										
18...	0935	9	80513	80513	.00	19.0	--	--	27.5	--
18...	0940	9	80513	80010	4.00	19.0	225	8.5	--	29.0
18...	0945	9	80513	80010	15.0	19.0	230	7.8	--	29.0

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	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)
DEC										
09...	1505	--	--	7.2	.20	--	749	K15	--	--
09...	1510	150	20	--	--	8.8	--	--	79	0
09...	1515	150	5.1	--	--	8.5	--	--	95	0
MAY										
18...	1605	--	--	87.6	2.20	--	740	4	--	--
18...	1610	3	2.0	--	--	9.6	--	--	130	0
18...	1615	<1	2.6	--	--	9.0	--	--	150	0
AUG										
18...	0935	--	--	39.6	1.00	--	749	0	--	--
18...	0940	10	1.6	--	--	7.1	--	--	100	0
18...	0945	15	2.4	--	--	5.1	--	--	110	0

DATE	TIME	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	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 FIELD (MG/L AS CACO3) (00410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC									
09...	1506	--	--	--	--	--	--	.500	<.100
09...	1510	0	21	52	6.5	85	2.0	--	--
09...	1515	0	25	62	7.9	103	2.5	--	--
MAY									
18...	1606	--	--	--	--	--	--	2.00	<.100
18...	1610	0	37	92	10	270	3.0	--	--
18...	1615	0	41	100	11	280	3.0	--	--
AUG									
18...	0940	0	25	62	9.3	110	4.0	--	--
18...	0945	0	26	65	10	110	4.2	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07054290 BULL SHOALS LAKE AT HIGHWAY 160 NEAR THEODOSIA, MO
(LAT 36 34 40 LONG 092 38 47)

DATE	TIME	MEDIUM	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)
DEC										
14...	1215	0	80513	80513	.00	45.0	--	--	7.5	--
14...	1216	0	80513	80010	3.00	45.0	--	--	--	--
14...	1220	0	80513	80010	9.00	45.0	215	7.7	--	10.5
14...	1225	0	80513	80010	36.0	45.0	240	7.6	--	9.5
MAY										
24...	1315	9	80513	80513	.00	40.0	--	--	22.5	--
24...	1316	9	80513	80010	3.00	40.0	--	--	--	--
24...	1320	9	80513	80010	8.00	40.0	346	8.4	--	21.5
24...	1325	9	80513	80010	32.0	40.0	385	8.2	--	16.0
AUG										
23...	1150	9	80513	80513	.00	25.0	--	--	30.5	--
23...	1151	9	80513	80010	3.00	25.0	--	--	--	--
23...	1155	9	80513	80010	5.00	25.0	275	7.9	--	30.0
23...	1200	9	80513	80010	20.0	25.0	295	7.7	--	29.0

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC										
14...	1215	--	--	16.8	.40	--	743	89	--	--
14...	1220	45	3.1	--	--	8.7	--	--	130	14
14...	1225	45	2.3	--	--	8.8	--	--	130	6
MAY										
24...	1315	--	--	60.0	1.50	--	749	7	--	--
24...	1320	2	1.6	--	--	8.5	--	--	180	5
24...	1325	2	8.7	--	--	1.5	--	--	190	0
AUG										
23...	1150	--	--	50.4	1.30	--	750	0	--	--
23...	1155	5	1.3	--	--	6.8	--	--	140	0
23...	1200	7	1.3	--	--	3.0	--	--	150	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
14...	1216	--	--	--	--	--	--	<.100	<.100
14...	1220	14	36	90	9.0	113	4.0	--	--
14...	1225	6	29	72	15	128	4.0	--	--
MAY									
24...	1316	--	--	--	--	--	--	1.90	<.100
24...	1320	5	41	100	20	180	3.0	--	--
24...	1325	0	40	100	21	190	3.5	--	--
AUG									
23...	1151	--	--	--	--	--	--	8.10	1.60
23...	1155	0	30	75	16	210	5.1	--	--
23...	1200	0	31	78	17	150	5.1	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07054445 BULL SHOALS LAKE NEAR BUCK CREEK, AR (LAT 36 29 25 LONG 092 47 15)

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
DEC											
14...	1035	0	80513	80513	.00	150	--	--	6.5	--	--
14...	1036	0	80513	80010	3.00	150	--	--	--	--	--
14...	1040	0	80513	80010	30.0	150	230	7.8	--	11.0	10
14...	1045	0	80513	80010	120	150	230	7.7	--	11.0	7
MAY											
24...	1115	9	80513	80513	.00	140	--	--	22.0	--	--
24...	1116	9	80513	80010	3.00	140	--	--	--	--	--
24...	1120	9	80513	80010	28.0	140	265	8.1	--	16.5	3
24...	1125	9	80513	80010	112	140	255	7.7	--	9.5	3
AUG											
23...	1050	9	80513	80513	.00	135	--	--	30.5	--	--
23...	1051	9	80513	80010	3.00	135	--	--	--	--	--
23...	1055	9	80513	80010	27.0	135	260	7.8	--	23.0	7
23...	1100	9	80513	80010	108	135	260	7.5	--	13.0	4

DATE	TIME	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	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)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)
DEC											
14...	1035	--	54.0	1.40	--	745	--	34	--	--	--
14...	1040	<1.0	--	--	8.8	--	.9	--	120	9	9
14...	1045	<1.0	--	--	8.5	--	.9	--	110	0	0
MAY											
24...	1115	--	137	3.5	--	750	--	0	--	--	--
24...	1120	1.1	--	--	8.9	--	1.1	--	130	1	1
24...	1125	1.4	--	--	6.2	--	1.0	--	140	23	23
AUG											
23...	1050	--	108	2.70	--	749	--	1	--	--	--
23...	1055	>1.0	--	--	2.2	--	.9	--	120	4	4
23...	1100	2.1	--	--	.2	--	.6	--	140	17	17

DATE	TIME	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
DEC											
14...	1040	34	85	9.4	115	7.0	5.5	.200	.200	.050	--
14...	1045	31	78	8.8	116	7.0	5.0	.300	.300	.120	--
MAY											
24...	1120	36	--	10	130	7.0	4.5	.300	.300	.050	.25
24...	1125	39	98	11	120	9.0	5.5	.500	.500	.020	.38
AUG											
23...	1055	33	82	10	120	7.0	5.7	.100	.100	.030	.07
23...	1100	40	100	8.9	120	8.0	5.7	.600	.600	.090	.21

DATE	TIME	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)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC											
14...	1036	--	--	--	--	--	--	--	--	.600	<.100
14...	1040	<.10	--	--	.040	.12	.020	180	20	--	--
14...	1045	<.10	--	--	.040	.12	.040	210	20	--	--
MAY											
24...	1116	--	--	--	--	--	--	--	--	1.10	<.100
24...	1120	.30	.60	2.7	<.010	--	<.010	80	10	--	--
24...	1125	.40	.90	4.0	.010	.03	<.010	90	10	--	--
AUG											
23...	1051	--	--	--	--	--	--	--	--	1.40	<.100
23...	1055	.10	.20	.89	.040	.12	<.010	80	10	--	--
23...	1100	.30	.90	4.0	.050	.15	<.010	180	230	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07054471 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (FISH PENS)
(LAT 36 25 30 LONG 092 42 00)

DATE	TIME	MEDIUM	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)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC											
14...	0840	0	80513	80513	.00	90.0	240	7.6	5.5	11.0	122
14...	0841	0	80513	80010	3.00	90.0	--	--	--	--	--
14...	0842	0	80513	80513	10.0	90.0	240	7.7	--	11.0	--
14...	0845	0	80513	80513	18.0	90.0	240	7.7	--	11.0	--
14...	0846	0	80513	80513	20.0	90.0	240	7.7	--	11.0	--
14...	0848	0	80513	80513	30.0	90.0	240	7.7	--	11.0	--
14...	0850	0	80513	80513	40.0	90.0	240	7.7	--	11.0	--
14...	0852	0	80513	80513	50.0	90.0	240	7.7	--	11.0	--
14...	0854	0	80513	80513	60.0	90.0	240	7.7	--	11.0	--
14...	0856	0	80513	80513	70.0	90.0	240	7.7	--	11.0	--
14...	0900	0	80513	80010	72.0	90.0	240	7.7	--	11.0	--
14...	0903	0	80513	80513	80.0	90.0	240	7.7	--	11.0	--
14...	0905	0	80513	80513	90.0	90.0	240	7.7	--	11.0	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
14...	0840	3.1	8.2	76	745	--	--	8	--	--
14...	0841	--	--	--	--	--	--	--	2.10	<.100
14...	0842	--	8.2	--	--	--	--	--	--	--
14...	0845	--	8.3	--	--	47	1.2	--	--	--
14...	0846	--	8.3	--	--	--	--	--	--	--
14...	0848	--	8.3	--	--	--	--	--	--	--
14...	0850	--	8.3	--	--	--	--	--	--	--
14...	0852	--	8.2	--	--	--	--	--	--	--
14...	0854	--	8.1	--	--	--	--	--	--	--
14...	0856	--	8.1	--	--	--	--	--	--	--
14...	0900	--	8.1	--	--	38	1.0	--	--	--
14...	0903	--	8.1	--	--	--	--	--	--	--
14...	0905	--	8.1	--	--	--	--	--	--	--

DATE	TIME	MEDIUM	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)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
MAY											
24...	0930	9	80513	80513	.00	85.0	260	8.5	22.0	20.0	166
24...	0931	9	80513	80010	3.00	85.0	--	--	--	--	--
24...	0932	9	80513	80513	10.0	85.0	260	8.5	--	19.5	--
24...	0935	9	80513	80010	17.0	85.0	260	8.4	--	19.5	--
24...	0936	9	80513	80513	20.0	85.0	260	8.4	--	19.5	--
24...	0938	9	80513	80513	25.0	85.0	260	8.3	--	18.5	--
24...	0940	9	80513	80513	30.0	85.0	260	8.2	--	17.0	--
24...	0942	9	80513	80513	35.0	85.0	260	8.1	--	16.0	--
24...	0944	9	80513	80513	40.0	85.0	265	8.0	--	15.0	--
24...	0946	9	80513	80513	50.0	85.0	265	7.9	--	14.0	--
24...	0948	9	80513	80513	55.0	85.0	265	7.7	--	13.0	--
24...	0949	9	80513	80513	60.0	85.0	260	7.6	--	12.0	--
24...	0950	9	80513	80010	68.0	85.0	260	7.4	--	11.0	--
24...	0952	9	80513	80513	70.0	85.0	260	7.4	--	10.5	--
24...	0954	9	80513	80513	80.0	85.0	260	7.3	--	10.0	--
24...	0955	9	80513	80513	85.0	85.0	260	7.3	--	9.5	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07054471 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (FISH PENS)--CONTINUED

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
24...	0930	4.2	10.1	113	750	--	--	0	--	--
24...	0931	--	--	--	--	--	--	--	1.10	<.100
24...	0932	--	10.2	--	--	--	--	--	--	--
24...	0935	--	10.1	--	--	<10	1.2	--	--	--
24...	0936	--	10.1	--	--	--	--	--	--	--
24...	0938	--	9.6	--	--	--	--	--	--	--
24...	0940	--	9.0	--	--	--	--	--	--	--
24...	0942	--	8.8	--	--	--	--	--	--	--
24...	0944	--	8.5	--	--	--	--	--	--	--
24...	0946	--	7.6	--	--	--	--	--	--	--
24...	0948	--	6.6	--	--	--	--	--	--	--
24...	0949	--	5.0	--	--	--	--	--	--	--
24...	0950	--	3.6	--	--	16	1.0	--	--	--
24...	0952	--	3.6	--	--	--	--	--	--	--
24...	0954	--	3.6	--	--	--	--	--	--	--
24...	0955	--	3.4	--	--	--	--	--	--	--

DATE	TIME	MEDIUM	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)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
AUG											
23...	0810	9	80513	80513	.00	75.0	240	8.4	28.0	30.0	134
23...	0811	9	80513	80010	3.00	75.0	--	--	--	--	--
23...	0812	9	80513	80513	10.0	75.0	240	8.5	--	30.0	--
23...	0815	9	80513	80010	15.0	75.0	245	8.4	--	29.5	--
23...	0816	9	80513	80513	20.0	75.0	245	8.3	--	28.5	--
23...	0818	9	80513	80513	23.0	75.0	255	8.3	--	27.5	--
23...	0820	9	80513	80513	25.0	75.0	260	8.3	--	26.5	--
23...	0822	9	80513	80513	26.0	75.0	265	8.1	--	25.5	--
23...	0824	9	80513	80513	28.0	75.0	270	8.0	--	24.5	--
23...	0826	9	80513	80513	30.0	75.0	270	7.9	--	23.5	--
23...	0828	9	80513	80513	32.0	75.0	270	7.8	--	22.5	--
23...	0830	9	80513	80513	34.0	75.0	275	7.7	--	21.5	--
23...	0832	9	80513	80513	36.0	75.0	275	7.7	--	20.5	--
23...	0834	9	80513	80513	40.0	75.0	275	7.6	--	19.5	--
23...	0836	9	80513	80513	45.0	75.0	275	7.6	--	18.5	--
23...	0838	9	80513	80513	50.0	75.0	275	7.6	--	17.5	--
23...	0840	9	80513	80010	60.0	75.0	280	7.5	--	17.0	--
23...	0842	9	80513	80513	70.0	75.0	285	7.4	--	16.0	--
23...	0845	9	80513	80513	75.0	75.0	300	7.2	--	15.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG										
23...	0810	3.4	8.0	108	749	--	--	K220	--	--
23...	0811	--	--	--	--	--	--	--	2.20	<.100
23...	0812	--	7.8	--	--	--	--	--	--	--
23...	0815	--	7.4	--	--	24	.6	--	--	--
23...	0816	--	6.8	--	--	--	--	--	--	--
23...	0818	--	7.7	--	--	--	--	--	--	--
23...	0820	--	7.6	--	--	--	--	--	--	--
23...	0822	--	7.4	--	--	--	--	--	--	--
23...	0824	--	4.6	--	--	--	--	--	--	--
23...	0826	--	2.8	--	--	--	--	--	--	--
23...	0828	--	.8	--	--	--	--	--	--	--
23...	0830	--	.3	--	--	--	--	--	--	--
23...	0832	--	.1	--	--	--	--	--	--	--
23...	0834	--	.0	--	--	--	--	--	--	--
23...	0836	--	.0	--	--	--	--	--	--	--
23...	0838	--	.0	--	--	--	--	--	--	--
23...	0840	--	.0	--	--	20	1.0	--	--	--
23...	0842	--	.0	--	--	--	--	--	--	--
23...	0845	--	.0	--	--	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07054472 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (LOG BOOM)
(LAT 36 25 30 LONG 092 42 00)

DATE	TIME	MEDIUM	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)
DEC										
14...	0905	0	80513	80513	.00	97.0	240	7.8	5.5	11.0
14...	0906	0	80513	80010	3.00	97.0	--	--	--	--
14...	0908	0	80513	80513	10.0	97.0	240	7.8	--	11.0
14...	0910	0	80513	80010	19.0	97.0	240	7.8	--	11.0
14...	0912	0	80513	80513	20.0	97.0	240	7.8	--	11.0
14...	0914	0	80513	80513	30.0	97.0	240	7.8	--	11.0
14...	0916	0	80513	80513	40.0	97.0	240	7.8	--	11.0
14...	0918	0	80513	80513	50.0	97.0	240	7.7	--	11.0
14...	0920	0	80513	80513	60.0	97.0	240	7.7	--	11.0
14...	0922	0	80513	80513	70.0	97.0	240	7.7	--	11.0
14...	0925	0	80513	80010	78.0	97.0	266	7.7	--	11.0
14...	0926	0	80513	80513	80.0	97.0	240	7.7	--	11.0
14...	0928	0	80513	80513	90.0	97.0	240	7.7	--	11.0
14...	0930	0	80513	80513	97.0	97.0	240	7.7	--	11.0

DATE	TIME	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC									
14...	0905	126	3.2	8.5	79	745	--	--	--
14...	0908	--	--	8.3	--	--	--	--	--
14...	0910	--	--	8.3	--	--	5	<1.0	.2
14...	0912	--	--	8.3	--	--	--	--	--
14...	0914	--	--	8.3	--	--	--	--	--
14...	0916	--	--	8.3	--	--	--	--	--
14...	0918	--	--	8.3	--	--	--	--	--
14...	0920	--	--	8.2	--	--	--	--	--
14...	0922	--	--	8.2	--	--	--	--	--
14...	0925	--	--	8.2	--	--	2	<1.0	.9
14...	0926	--	--	8.3	--	--	--	--	--
14...	0928	--	--	8.3	--	--	--	--	--
14...	0930	--	--	8.2	--	--	--	--	--

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
DEC									
14...	0905	5	--	--	--	--	--	--	--
14...	0910	--	130	6	6	35	88	9.7	122
14...	0925	--	120	1	1	34	85	9.5	123

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
DEC									
14...	0910	8.0	4.5	.200	.200	.130	--	<.10	--
14...	0925	8.0	5.0	.200	.200	.030	.17	.20	.40

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07054472 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (LOG BOOM)--CONTINUED

DATE	TIME	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)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC									
14...	0906	--	--	--	--	--	--	2.10	<.100
14...	0910	--	.030	.09	.010	100	20	--	--
14...	0925	1.8	.030	.09	<.010	90	20	--	--

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)
MAY										
24...	1000	9	80513	80513	.00	90.0	260	8.5	22.0	20.0
24...	1001	9	80513	80010	3.00	90.0	--	--	--	--
24...	1002	9	80513	80513	10.0	90.0	260	8.5	--	20.0
24...	1005	9	80513	80010	18.0	90.0	260	8.4	--	19.5
24...	1006	9	80513	80513	20.0	90.0	260	8.4	--	19.0
24...	1008	9	80513	80513	25.0	90.0	260	8.2	--	18.0
24...	1010	9	80513	80513	30.0	90.0	260	8.2	--	17.0
24...	1012	9	80513	80513	35.0	90.0	260	8.1	--	16.0
24...	1014	9	80513	80513	40.0	90.0	265	8.0	--	15.0
24...	1016	9	80513	80513	50.0	90.0	265	7.9	--	14.0
24...	1018	9	80513	80513	55.0	90.0	260	7.7	--	13.0
24...	1020	9	80513	80513	60.0	90.0	260	7.6	--	12.0
24...	1022	9	80513	80513	70.0	90.0	260	7.5	--	11.0
24...	1025	9	80513	80010	72.0	90.0	262	7.4	--	10.5
24...	1028	9	80513	80513	80.0	90.0	260	7.3	--	10.0
24...	1030	9	80513	80513	90.0	90.0	265	7.3	--	9.5

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
MAY									
24...	1000	173	4.4	10.2	114	750	--	--	--
24...	1002	--	--	10.2	--	--	--	--	--
24...	1005	--	--	10.1	--	--	4	1.6	1.1
24...	1006	--	--	10.1	--	--	--	--	--
24...	1008	--	--	9.5	--	--	--	--	--
24...	1010	--	--	9.0	--	--	--	--	--
24...	1012	--	--	8.7	--	--	--	--	--
24...	1014	--	--	8.1	--	--	--	--	--
24...	1016	--	--	7.4	--	--	--	--	--
24...	1018	--	--	6.7	--	--	--	--	--
24...	1020	--	--	6.2	--	--	--	--	--
24...	1022	--	--	4.8	--	--	--	--	--
24...	1025	--	--	3.8	--	--	2	1.2	1.0
24...	1028	--	--	3.8	--	--	--	--	--
24...	1030	--	--	3.6	--	--	--	--	--

DATE	TIME	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)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	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 FIELD (MG/L AS CACO3) (00410)
MAY									
24...	1000	0	--	--	--	--	--	--	--
24...	1005	--	140	20	20	38	95	11	120
24...	1025	--	140	19	19	39	98	10	120

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07054472 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (LOG BOOM)--CONTINUED

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
MAY									
24...	1005	8.0	5.0	.200	.200	.040	.36	.40	.60
24...	1025	8.0	6.6	.300	.300	.180	.22	.40	.70

DATE	TIME	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)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
24...	1001	--	--	--	--	--	--	1.20	<.100
24...	1005	2.7	.010	--	.010	90	10	--	--
24...	1025	3.1	.050	.15	.050	150	30	--	--

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
AUG											
23...	0900	9	80513	80513	.00	80.0	240	8.6	29.0	30.0	145
23...	0901	9	80513	80010	3.00	80.0	--	--	--	--	--
23...	0902	9	80513	80513	10.0	80.0	240	8.6	--	30.0	--
23...	0905	9	80513	80010	16.0	80.0	245	8.5	--	29.5	--
23...	0906	9	80513	80513	20.0	80.0	245	8.6	--	28.5	--
23...	0908	9	80513	80513	23.0	80.0	255	8.5	--	27.5	--
23...	0910	9	80513	80513	25.0	80.0	260	8.4	--	26.5	--
23...	0912	9	80513	80513	27.0	80.0	265	8.2	--	25.5	--
23...	0914	9	80513	80513	28.0	80.0	270	8.1	--	24.5	--
23...	0916	9	80513	80513	30.0	80.0	270	8.0	--	23.5	--
23...	0918	9	80513	80513	31.0	80.0	275	7.7	--	22.5	--
23...	0920	9	80513	80513	34.0	80.0	275	7.7	--	21.5	--
23...	0922	9	80513	80513	36.0	80.0	280	7.6	--	20.5	--
23...	0924	9	80513	80513	40.0	80.0	280	7.6	--	19.5	--
23...	0926	9	80513	80513	45.0	80.0	280	7.6	--	18.5	--
23...	0928	9	80513	80513	50.0	80.0	280	7.5	--	17.5	--
23...	0929	9	80513	80513	60.0	80.0	280	7.5	--	17.0	--
23...	0930	9	80513	80010	64.0	80.0	280	7.4	--	16.5	--
23...	0932	9	80513	80513	70.0	80.0	285	7.4	--	16.0	--
23...	0935	9	80513	80513	80.0	80.0	300	7.1	--	15.5	--

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	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)
AUG											
23...	0900	3.7	8.2	111	749	--	--	--	K270	--	--
23...	0902	--	8.2	--	--	--	--	--	--	--	--
23...	0905	--	7.4	--	--	2	<1.0	.6	--	120	0
23...	0906	--	9.3	--	--	--	--	--	--	--	--
23...	0908	--	9.2	--	--	--	--	--	--	--	--
23...	0910	--	8.6	--	--	--	--	--	--	--	--
23...	0912	--	6.9	--	--	--	--	--	--	--	--
23...	0914	--	6.2	--	--	--	--	--	--	--	--
23...	0916	--	3.0	--	--	--	--	--	--	--	--
23...	0918	--	2.0	--	--	--	--	--	--	--	--
23...	0920	--	.6	--	--	--	--	--	--	--	--
23...	0922	--	.1	--	--	--	--	--	--	--	--
23...	0924	--	.0	--	--	--	--	--	--	--	--
23...	0926	--	.0	--	--	--	--	--	--	--	--
23...	0928	--	.0	--	--	--	--	--	--	--	--
23...	0929	--	.0	--	--	--	--	--	--	--	--
23...	0930	--	.0	--	--	2	1.2	1.3	--	130	5
23...	0932	--	.0	--	--	--	--	--	--	--	--
23...	0935	--	.0	--	--	--	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07054472 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (LOG BOOM)--CONTINUED

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	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)
AUG										
23...	0905	0	30	75	11	120	8.0	6.0	<.100	.020
23...	0930	5	39	98	9.1	130	7.0	5.0	<.100	.210

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG										
23...	0901	--	--	--	--	--	--	--	2.10	<.100
23...	0905	.88	.90	.150	.46	<.010	60	10	--	--
23...	0930	.39	.60	.250	.77	.060	390	290	--	--

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (MOUTH)
(LAT 36 25 30 LONG 092 42 00)

DATE	TIME	MEDIUM	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 (DEG C) (00010)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
DEC										
14...	0935	0	80513	80513	.00	156	240	7.7	11.5	132
14...	0936	0	80513	80010	3.00	156	--	--	--	--
14...	0937	0	80513	80513	10.0	156	240	7.7	11.5	--
14...	0938	0	80513	80513	20.0	156	240	7.7	11.5	--
14...	0939	0	80513	80513	30.0	156	240	7.7	11.5	--
14...	0940	0	80513	80010	31.0	156	240	7.7	11.5	--
14...	0942	0	80513	80513	40.0	156	240	7.6	11.5	--
14...	0944	0	80513	80513	50.0	156	240	7.6	11.5	--
14...	0946	0	80513	80513	60.0	156	240	7.6	11.5	--
14...	0948	0	80513	80513	70.0	156	240	7.6	11.5	--
14...	0950	0	80513	80513	80.0	156	240	7.6	11.5	--
14...	0952	0	80513	80513	90.0	156	240	7.6	11.5	--
14...	0954	0	80513	80513	100	156	240	7.6	11.5	--
14...	0956	0	80513	80513	110	156	240	7.6	11.5	--
14...	0958	0	80513	80513	120	156	240	7.6	11.5	--
14...	1000	0	80513	80010	125	156	240	7.6	11.0	--
14...	1002	0	80513	80513	130	156	240	7.6	11.0	--
14...	1003	0	80513	80513	140	156	250	7.5	11.0	--
14...	1004	0	80513	80513	150	156	260	7.2	10.5	--
14...	1005	0	80513	80513	156	156	260	7.1	10.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC										
14...	0935	3.4	8.1	76	745	--	--	8	--	--
14...	0936	--	--	--	--	--	--	--	2.00	<.100
14...	0937	--	8.1	--	--	--	--	--	--	--
14...	0938	--	8.0	--	--	--	--	--	--	--
14...	0939	--	8.0	--	--	--	--	--	--	--
14...	0940	--	8.0	--	--	39	.7	--	--	--
14...	0942	--	7.9	--	--	--	--	--	--	--
14...	0944	--	7.9	--	--	--	--	--	--	--
14...	0946	--	7.9	--	--	--	--	--	--	--
14...	0948	--	7.9	--	--	--	--	--	--	--
14...	0950	--	7.9	--	--	--	--	--	--	--
14...	0952	--	7.9	--	--	--	--	--	--	--
14...	0954	--	8.0	--	--	--	--	--	--	--
14...	0956	--	8.1	--	--	--	--	--	--	--
14...	0958	--	8.1	--	--	--	--	--	--	--
14...	1000	--	8.1	--	--	45	.9	--	--	--
14...	1002	--	8.1	--	--	--	--	--	--	--
14...	1003	--	6.3	--	--	--	--	--	--	--
14...	1004	--	.8	--	--	--	--	--	--	--
14...	1005	--	.4	--	--	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (MOUTH)--CONTINUED

DATE	TIME	MEDIUM	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)	TRANSPARENCY (SECCHI DISK) (IN) (00077)
MAY											
24...	1030	9	80513	80513	.00	135	260	8.4	22.0	20.0	204
24...	1031	9	80513	80010	3.00	135	--	--	--	--	--
24...	1032	9	80513	80513	10.0	135	260	8.4	--	19.5	--
24...	1034	9	80513	80513	20.0	135	260	8.3	--	19.0	--
24...	1036	9	80513	80513	24.0	135	260	8.2	--	18.0	--
24...	1040	9	80513	80010	27.0	135	260	8.1	--	16.5	--
24...	1042	9	80513	80513	30.0	135	265	8.1	--	16.0	--
24...	1044	9	80513	80513	40.0	135	265	8.0	--	15.0	--
24...	1046	9	80513	80513	50.0	135	265	7.9	--	14.0	--
24...	1048	9	80513	80513	60.0	135	260	7.8	--	12.5	--
24...	1050	9	80513	80513	70.0	135	260	7.7	--	11.5	--
24...	1052	9	80513	80513	80.0	135	260	7.7	--	10.5	--
24...	1054	9	80513	80513	90.0	135	255	7.6	--	10.0	--
24...	1056	9	80513	80513	100	135	255	7.6	--	9.5	--
24...	1100	9	80513	80010	108	135	255	7.2	--	9.0	--
24...	1102	9	80513	80513	110	135	255	7.6	--	9.0	--
24...	1104	9	80513	80513	120	135	255	7.5	--	9.0	--
24...	1106	9	80513	80513	130	135	255	7.4	--	8.5	--
24...	1110	9	80513	80513	135	135	260	7.4	--	8.5	--

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY										
24...	1030	5.2	10.2	114	750	--	--	0	--	--
24...	1031	--	--	--	--	--	--	--	1.10	<.100
24...	1032	--	10.2	--	--	--	--	--	--	--
24...	1034	--	10.1	--	--	--	--	--	--	--
24...	1036	--	9.7	--	--	--	--	--	--	--
24...	1040	--	9.1	--	--	<10	1.0	--	--	--
24...	1042	--	8.9	--	--	--	--	--	--	--
24...	1044	--	8.3	--	--	--	--	--	--	--
24...	1046	--	7.9	--	--	--	--	--	--	--
24...	1048	--	7.9	--	--	--	--	--	--	--
24...	1050	--	7.8	--	--	--	--	--	--	--
24...	1052	--	7.8	--	--	--	--	--	--	--
24...	1054	--	7.8	--	--	--	--	--	--	--
24...	1056	--	7.6	--	--	--	--	--	--	--
24...	1100	--	7.2	--	--	16	.5	--	--	--
24...	1102	--	7.1	--	--	--	--	--	--	--
24...	1104	--	6.2	--	--	--	--	--	--	--
24...	1106	--	5.1	--	--	--	--	--	--	--
24...	1110	--	5.0	--	--	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, AR (MOUTH)--CONTINUED

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)
AUG											
23...	0940	9	80513	80513	.00	140	240	8.6	29.0	30.0	145
23...	0941	9	80513	80010	3.00	140	--	--	--	--	--
23...	0942	9	80513	80513	10.0	140	240	8.6	--	30.0	--
23...	0944	9	80513	80513	17.0	140	230	8.5	--	29.0	--
23...	0946	9	80513	80513	20.0	140	230	8.5	--	28.0	--
23...	0948	9	80513	80513	23.0	140	235	8.4	--	27.0	--
23...	0949	9	80513	80513	25.0	140	240	8.3	--	26.0	--
23...	0950	9	80513	80010	28.0	140	240	8.2	--	25.0	--
23...	0952	9	80513	80513	29.0	140	245	8.1	--	24.0	--
23...	0954	9	80513	80513	30.0	140	250	7.9	--	23.0	--
23...	0956	9	80513	80513	32.0	140	250	7.8	--	22.0	--
23...	0958	9	80513	80513	34.0	140	250	7.7	--	21.0	--
23...	1000	9	80513	80513	37.0	140	250	7.6	--	20.0	--
23...	1002	9	80513	80513	40.0	140	255	7.5	--	19.0	--
23...	1004	9	80513	80513	45.0	140	250	7.5	--	18.0	--
23...	1006	9	80513	80513	50.0	140	245	7.5	--	17.0	--
23...	1008	9	80513	80513	60.0	140	235	7.4	--	16.0	--
23...	1010	9	80513	80513	70.0	140	245	7.4	--	15.5	--
23...	1012	9	80513	80513	80.0	140	250	7.3	--	14.5	--
23...	1014	9	80513	80513	90.0	140	255	7.3	--	14.0	--
23...	1016	9	80513	80513	100	140	255	7.2	--	13.0	--
23...	1018	9	80513	80513	110	140	255	7.2	--	12.0	--
23...	1020	9	80513	80010	112	140	255	7.2	--	12.0	--
23...	1022	9	80513	80513	120	140	255	7.2	--	11.5	--
23...	1024	9	80513	80513	130	140	260	7.2	--	11.0	--
23...	1025	9	80513	80513	140	140	260	7.1	--	10.5	--

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG										
23...	0940	3.7	7.8	105	749	--	--	60	--	--
23...	0941	--	--	--	--	--	--	--	1.60	<.100
23...	0942	--	7.4	--	--	--	--	--	--	--
23...	0944	--	7.1	--	--	--	--	--	--	--
23...	0946	--	8.6	--	--	--	--	--	--	--
23...	0948	--	9.1	--	--	--	--	--	--	--
23...	0949	--	8.8	--	--	--	--	--	--	--
23...	0950	--	8.0	--	--	28	.8	--	--	--
23...	0952	--	7.3	--	--	--	--	--	--	--
23...	0954	--	5.7	--	--	--	--	--	--	--
23...	0956	--	4.0	--	--	--	--	--	--	--
23...	0958	--	2.2	--	--	--	--	--	--	--
23...	1000	--	.2	--	--	--	--	--	--	--
23...	1002	--	.1	--	--	--	--	--	--	--
23...	1004	--	.1	--	--	--	--	--	--	--
23...	1006	--	.8	--	--	--	--	--	--	--
23...	1008	--	2.1	--	--	--	--	--	--	--
23...	1010	--	1.2	--	--	--	--	--	--	--
23...	1012	--	.9	--	--	--	--	--	--	--
23...	1014	--	.5	--	--	--	--	--	--	--
23...	1016	--	.0	--	--	--	--	--	--	--
23...	1018	--	.0	--	--	--	--	--	--	--
23...	1020	--	.0	--	--	24	.6	--	--	--
23...	1022	--	.0	--	--	--	--	--	--	--
23...	1024	--	.0	--	--	--	--	--	--	--
23...	1025	--	.0	--	--	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07054486 BULL SHOALS LAKE ABOVE PINE BRANCH AT INDIAN POINT, AR
(LAT 36 28 30 LONG 092 37 44)

DATE	TIME	MEDIUM	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)
DEC										
14...	1300	0	80513	80513	.00	165	--	--	8.5	--
14...	1301	0	80513	80010	3.00	33.0	--	--	--	--
14...	1305	0	80513	80010	33.0	165	250	7.7	--	11.5
14...	1310	0	80513	80010	132	165	275	7.4	--	11.5
MAY										
24...	1350	9	80513	80513	.00	155	--	--	22.5	--
24...	1351	9	80513	80010	3.00	155	--	--	--	--
24...	1355	9	80513	80010	31.0	155	265	7.7	--	16.0
24...	1400	9	80513	80010	124	155	260	7.6	--	9.0
AUG										
23...	1300	9	80513	80513	.00	145	--	--	31.0	--
23...	1301	9	80513	80010	3.00	145	--	--	--	--
23...	1305	9	80513	80010	29.0	145	272	7.9	--	22.0
23...	1310	9	80513	80010	116	145	298	7.6	--	12.5

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC										
14...	1300	--	--	54.0	1.40	--	743	23	--	--
14...	1305	17	<1.0	--	--	7.9	--	--	130	2
14...	1310	9	<1.0	--	--	5.3	--	--	130	0
MAY										
24...	1350	--	--	137	3.5	--	750	0	--	--
24...	1355	2	<1.0	--	--	8.6	--	--	150	19
24...	1400	3	<1.0	--	--	6.9	--	--	140	8
AUG										
23...	1300	--	--	125	3.2	--	750	0	--	--
23...	1305	2	1.0	--	--	6.6	--	--	130	0
23...	1310	3	<1.0	--	--	.3	--	--	140	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
14...	1301	--	--	--	--	--	--	.700	<.100
14...	1305	2	34	85	11	128	4.5	--	--
14...	1310	0	34	85	12	134	4.5	--	--
MAY									
24...	1351	--	--	--	--	--	--	.900	<.100
24...	1355	19	38	95	13	130	3.5	--	--
24...	1400	8	37	92	11	130	4.0	--	--
AUG									
23...	1301	--	--	--	--	--	--	1.30	<.100
23...	1305	0	34	85	9.8	130	4.4	--	--
23...	1310	0	35	88	12	140	4.8	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07054496 BULL SHOALS LAKE AT JIMMIE CREEK NEAR BULL SHOALS, AR
(LAT 36 23 00 LONG 092 36 58)

DATE	TIME	MEDIUM	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)
DEC										
14...	1340	0	80513	80513	.00	150	--	--	7.5	--
14...	1341	0	80513	80010	3.00	150	--	--	--	--
14...	1345	0	80513	80010	30.0	150	240	7.8	--	11.5
14...	1350	0	80513	80010	120	150	240	7.7	--	11.5
MAY										
24...	1420	9	80513	80513	.00	140	--	--	23.0	--
24...	1421	9	80513	80010	3.00	140	--	--	--	--
24...	1425	9	80513	80010	28.0	140	260	8.0	--	16.5
24...	1430	9	80513	80010	112	140	250	7.7	--	9.5
AUG										
23...	1330	9	80513	80513	.00	130	--	--	31.5	--
23...	1331	9	80513	80010	3.00	130	--	--	--	--
23...	1335	9	80513	80010	26.0	130	240	8.3	--	24.0
23...	1340	9	80513	80010	104	130	270	7.8	--	13.0

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC										
14...	1340	--	--	96.0	2.40	--	743	8	--	--
14...	1345	9	<1.0	--	--	8.7	--	--	120	0
14...	1350	9	<1.0	--	--	8.6	--	--	130	6
MAY										
24...	1420	--	--	146	3.7	--	749	0	--	--
24...	1425	1	<1.0	--	--	9.4	--	--	140	18
24...	1430	3	<1.0	--	--	7.6	--	--	140	18
AUG										
23...	1330	--	--	119	3.00	--	750	0	--	--
23...	1335	3	<1.0	--	--	10.5	--	--	120	0
23...	1340	2	<1.0	--	--	.8	--	--	130	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
14...	1341	--	--	--	--	--	--	.700	<.100
14...	1345	0	32	80	9.7	124	5.0	--	--
14...	1350	6	34	85	11	124	5.0	--	--
MAY									
24...	1421	--	--	--	--	--	--	.600	<.100
24...	1425	18	37	92	11	120	.00	--	--
24...	1430	18	37	92	11	120	.50	--	--
AUG									
23...	1331	--	--	--	--	--	--	1.10	<.100
23...	1335	0	33	82	8.7	120	5.0	--	--
23...	1340	0	36	90	8.7	130	4.7	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07054499 BULL SHOALS LAKE ON HOWARD CREEK NEAR LAKEVIEW, AR
(LAT 36 23 32 LONG 092 32 10)

DATE	TIME	MEDIUM	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)
DEC										
14...	1415	0	80513	80513	.00	170	--	--	7.5	--
14...	1416	0	80513	80010	3.00	170	--	--	--	--
14...	1420	0	80513	80010	34.0	170	250	7.8	--	11.5
14...	1425	0	80513	80010	136	170	240	7.6	--	11.0
MAY										
24...	1440	9	80513	80513	.00	155	--	--	23.5	--
24...	1441	9	80513	80010	3.00	155	--	--	--	--
24...	1445	9	80513	80010	31.0	155	255	8.1	--	16.0
24...	1450	9	80513	80010	124	155	250	8.3	--	9.0
AUG										
23...	1350	9	80513	80513	.00	150	--	--	31.0	--
23...	1351	9	80513	80010	3.00	150	--	--	--	--
23...	1355	9	80513	80010	30.0	150	235	8.1	--	22.5
23...	1400	9	80513	80010	120	150	245	7.4	--	12.0

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC										
14...	1415	--	--	144	3.7	--	743	7	--	--
14...	1420	9	<1.0	--	--	8.8	--	--	120	0
14...	1425	17	<1.0	--	--	8.1	--	--	130	6
MAY										
24...	1440	--	--	185	4.7	--	750	0	--	--
24...	1445	2	<1.0	--	--	9.6	--	--	130	5
24...	1450	1	<1.0	--	--	7.2	--	--	120	1
AUG										
23...	1350	--	--	164	4.2	--	750	0	--	--
23...	1355	2	<1.0	--	--	9.4	--	--	130	8
23...	1400	3	1.2	--	--	.6	--	--	130	4

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
14...	1416	--	--	--	--	--	--	1.00	<.100
14...	1420	0	33	82	10	126	6.3	--	--
14...	1425	6	33	82	11	122	5.0	--	--
MAY									
24...	1441	--	--	--	--	--	--	.700	<.100
24...	1445	5	35	88	9.2	120	5.5	--	--
24...	1450	1	34	85	8.8	120	4.5	--	--
AUG									
23...	1351	--	--	--	--	--	--	1.10	<.100
23...	1355	8	35	88	9.8	120	5.3	--	--
23...	1400	4	37	92	10	130	5.4	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07058500 NORTH FORK RIVER AT TECUMSEH, MO (LAT 36 35 12 LONG 092 17 18)

DATE	TIME	MEDIUM	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)
DEC											
15...	1745	0	80513	80513	.00	20.0	--	--	3.0	--	--
15...	1746	0	80513	80010	3.00	20.0	--	--	--	--	--
15...	1750	0	80513	80010	4.00	20.0	291	7.9	--	8.0	5
15...	1755	0	80513	80010	16.0	20.0	280	7.9	--	7.5	5
MAY											
25...	0820	9	80513	80513	.00	15.0	--	--	19.0	--	--
25...	0825	9	80513	80010	3.00	15.0	325	8.1	--	16.5	5
25...	0830	9	80513	80010	12.0	15.0	325	8.1	--	16.5	1
AUG											
22...	1215	9	80513	80513	.00	6.0	--	--	35.5	--	--
22...	1220	9	80513	80010	3.00	6.0	405	8.2	--	23.0	1

DATE	TIME	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
DEC											
15...	1745	--	60.0	1.50	--	751	--	80	--	--	--
15...	1750	2.1	--	--	9.4	--	.4	--	150	5	5
15...	1755	2.5	--	--	9.6	--	.7	--	140	3	3
MAY											
25...	0820	--	75.6	1.90	--	748	--	73	--	--	--
25...	0825	1.4	--	--	8.5	--	.6	--	170	2	2
25...	0830	1.7	--	--	8.4	--	.6	--	170	0	0
AUG											
22...	1215	--	61.2	1.60	--	750	--	41	--	--	--
22...	1220	1.7	--	--	8.0	--	.8	--	200	0	0

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
DEC											
15...	1750	31	78	17	143	4.0	3.8	1.10	1.10	.060	.44
15...	1755	30	75	16	138	4.0	3.7	1.10	1.10	.070	.13
MAY											
25...	0825	36	--	20	170	<5.0	3.0	.300	.300	.040	.56
25...	0830	35	--	19	170	<5.0	3.0	.300	.300	.060	.14
AUG											
22...	1220	44	110	23	240	5.0	3.1	.400	.400	.040	.26

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC											
15...	1746	--	--	--	--	--	--	--	--	<.100	<.100
15...	1750	.50	1.6	7.1	.020	.06	.020	160	10	--	--
15...	1755	.20	1.3	5.8	.020	.06	.010	170	20	--	--
MAY											
25...	0825	.60	.90	4.0	<.010	--	<.010	170	10	1.70	<.100
25...	0830	.20	.50	2.2	<.010	--	<.010	150	20	--	--
AUG											
22...	1220	.30	.70	3.1	.040	.12	<.010	150	30	1.30	<.100

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07058600 NORFORK LAKE NEAR UDALL, MO (LAT 36 32 53 LONG 092 16 55)

DATE	TIME	MEDIUM	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)
DEC										
15...	1640	0	80513	80513	.00	30.0	--	--	4.0	--
15...	1641	0	80513	80010	3.00	30.0	--	--	--	--
15...	1645	0	80513	80010	6.00	30.0	279	7.9	--	7.0
15...	1650	0	80513	80010	24.0	30.0	434	7.9	--	6.5
MAY										
25...	1000	9	80513	80513	.00	15.0	--	--	22.5	--
25...	1005	9	80513	80010	3.00	15.0	425	7.8	--	19.5
25...	1010	9	80513	80010	12.0	15.0	345	7.7	--	18.0
AUG										
22...	1305	9	80513	80513	.00	6.0	--	--	36.5	--
22...	1310	9	80513	80010	3.00	6.0	359	8.4	--	28.5

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC										
15...	1640	--	--	60.0	1.50	--	751	59	--	--
15...	1645	18	3.5	--	--	10.5	--	--	140	0
15...	1650	7	1.0	--	--	10.7	--	--	230	0
MAY										
25...	1000	--	--	60.0	1.50	--	748	9	--	--
25...	1005	1	2.1	--	--	8.4	--	--	240	0
25...	1010	3	35	--	--	8.6	--	--	190	9
AUG										
22...	1305	--	--	33.6	.90	--	750	0	--	--
22...	1310	1	1.7	--	--	9.3	--	--	190	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
15...	1641	--	--	--	--	--	--	<.100	<.100
15...	1645	0	28	70	16	145	3.6	--	--
15...	1650	0	46	120	27	226	4.5	--	--
MAY									
25...	1005	0	48	120	28	260	2.5	1.60	.400
25...	1010	9	41	100	21	180	3.5	--	--
AUG									
22...	1310	0	37	92	23	200	3.0	12.0	2.50

07058700 NORFORK LAKE ON PIGEON CREEK NEAR MOUNTAIN HOME, AR
(LAT 36 24 07 LONG 092 19 15)

DATE	TIME	MEDIUM	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)
DEC										
15...	1120	0	80513	80513	.00	70.0	--	--	7.0	--
15...	1121	0	80513	80010	3.00	70.0	--	--	--	--
15...	1125	0	80513	80010	14.0	70.0	180	7.6	--	11.5
15...	1130	0	80513	80010	56.0	70.0	175	7.6	--	11.0
MAY										
25...	1235	9	80513	80513	.00	60.0	--	--	28.0	--
25...	1236	9	80513	80010	3.00	60.0	--	--	--	--
25...	1240	9	80513	80010	12.0	60.0	278	8.5	--	20.5
25...	1245	9	80513	80010	48.0	60.0	307	7.9	--	13.0
AUG										
22...	1440	9	80513	80513	.00	50.0	--	--	36.0	--
22...	1441	9	80513	80010	3.00	50.0	--	--	--	--
22...	1445	9	80513	80010	10.0	50.0	275	8.8	--	30.5
22...	1450	9	80513	80010	40.0	50.0	355	7.9	--	21.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07058700 NORFORK LAKE ON PIGEON CREEK NEAR MOUNTAIN HOME, AR--CONTINUED

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC										
15...	1120	--	--	12.0	.30	--	751	120	--	--
15...	1125	85	40	--	--	7.8	--	--	95	0
15...	1130	140	40	--	--	7.4	--	--	99	1
MAY										
25...	1235	--	--	92.4	2.40	--	749	0	--	--
25...	1240	5	3.3	--	--	8.5	--	--	140	0
25...	1245	7	7.5	--	--	4.5	--	--	150	0
AUG										
22...	1440	--	--	126	3.2	--	750	0	--	--
22...	1445	1	<1.0	--	--	7.9	--	--	150	0
22...	1450	4	5.2	--	--	.1	--	--	170	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
15...	1121	--	--	--	--	--	--	.400	<.100
15...	1125	0	20	50	11	99	1.1	--	--
15...	1130	1	20	50	12	98	1.0	--	--
MAY									
25...	1236	--	--	--	--	--	--	7.20	<.100
25...	1240	0	30	75	16	140	1.5	--	--
25...	1245	0	33	82	17	160	2.5	--	--
AUG									
22...	1441	--	--	--	--	--	--	1.80	<.100
22...	1445	0	29	72	19	150	3.5	--	--
22...	1450	0	37	92	19	180	3.2	--	--

07058995 NORFORK LAKE AT HENDERSON, AR (LAT 36 22 30 LONG 092 14 37)

DATE	TIME	MEDIUM	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)
DEC											
15...	1230	0	80513	80513	.00	135	--	--	7.5	--	--
15...	1231	0	80513	80010	3.00	135	--	--	--	--	--
15...	1235	0	80513	80010	27.0	135	272	7.9	--	11.5	15
15...	1240	0	80513	80010	108	135	250	7.8	--	11.5	20
MAY											
25...	1305	9	80513	80513	.00	125	--	--	28.0	--	--
25...	1306	9	80513	80010	3.00	125	--	--	--	--	--
25...	1310	9	80513	80010	25.0	125	270	8.0	--	18.0	5
25...	1315	9	80513	80010	100	125	295	7.9	--	10.0	3
AUG											
22...	1535	9	80513	80513	.00	110	--	--	35.5	--	--
22...	1536	9	80513	80010	3.00	110	--	--	--	--	--
22...	1540	9	80513	80010	22.0	110	290	8.5	--	29.5	2
22...	1545	9	80513	80010	88.0	110	320	7.9	--	13.0	1

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07058995 NORFORK LAKE AT HENDERSON, AR--CONTINUED

DATE	TIME	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
DEC											
15...	1230	--	16.8	.40	--	751	--	60	--	--	--
15...	1235	20	--	--	8.4	--	1.1	--	140	2	2
15...	1240	20	--	--	8.0	--	1.2	--	140	3	3
MAY											
25...	1305	--	67.2	1.70	--	749	--	0	--	--	--
25...	1310	3.8	--	--	6.7	--	.9	--	140	0	0
25...	1315	2.4	--	--	6.2	--	.8	--	150	0	0
AUG											
22...	1535	--	106	2.70	--	750	--	0	--	--	--
22...	1540	1.1	--	--	6.4	--	.7	--	150	0	0
22...	1545	1.7	--	--	.1	--	.6	--	160	0	0

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
DEC											
15...	1235	27	68	17	136	5.0	2.2	.200	.200	.110	.39
15...	1240	27	68	18	139	4.0	1.6	.200	.200	.140	.56
MAY											
25...	1310	30	--	16	140	<5.0	2.5	.300	.300	.070	.23
25...	1315	31	--	17	160	<5.0	2.0	.400	.400	.030	.17
AUG											
22...	1540	30	75	19	220	5.0	3.8	--	<.100	.020	.18
22...	1545	32	80	19	190	5.0	3.0	.300	.300	.110	.29

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC											
15...	1231	--	--	--	--	--	--	--	--	.900	<.100
15...	1235	.50	.70	3.1	.040	.12	.040	440	30	--	--
15...	1240	.70	.90	4.0	.040	.12	.030	460	30	--	--
MAY											
25...	1306	--	--	--	--	--	--	--	--	4.00	<.100
25...	1310	.30	.60	2.7	.010	.03	.010	180	10	--	--
25...	1315	.20	.60	2.7	.010	.03	<.010	170	40	--	--
AUG											
22...	1536	--	--	--	--	--	--	--	--	1.70	<.100
22...	1540	.20	--	--	.030	.09	<.010	60	10	--	--
22...	1545	.40	.70	3.1	.030	.09	<.010	190	500	--	--

07059095 NORFORK LAKE ON FALL CREEK, AR (LAT 36 20 07 LONG 092 17 04)

DATE	TIME	MEDIUM	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)
DEC										
15...	1200	0	80513	80513	.00	32.0	--	--	7.5	--
15...	1201	0	80513	80010	3.00	32.0	--	--	--	--
15...	1205	0	80513	80010	6.00	32.0	280	8.0	--	11.0
15...	1210	0	80513	80010	26.0	32.0	280	7.9	--	11.0
MAY										
25...	1335	9	80513	80513	.00	25.0	--	--	28.0	--
25...	1336	9	80513	80010	3.00	25.0	--	--	--	--
25...	1340	9	80513	80010	5.00	25.0	295	8.6	--	22.0
25...	1345	9	80513	80010	20.0	25.0	340	8.0	--	18.5
AUG										
22...	1515	9	80513	80513	.00	14.0	--	--	36.0	--
22...	1520	9	80513	80010	3.00	14.0	300	8.6	--	31.5
22...	1525	9	80513	80010	11.0	14.0	300	8.5	--	30.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07059095 NORFORK LAKE ON FALL CREEK, AR--CONTINUED

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC										
15...	1200	--	--	60.0	1.50	--	751	35	--	--
15...	1205	18	3.8	--	--	9.1	--	--	150	0
15...	1210	18	3.7	--	--	8.8	--	--	160	0
MAY										
25...	1335	--	--	74.4	1.90	--	750	0	--	--
25...	1340	2	1.6	--	--	9.6	--	--	140	0
25...	1345	4	4.1	--	--	6.4	--	--	180	0
AUG										
22...	1515	--	--	72.0	1.80	--	750	0	--	--
22...	1520	2	1.5	--	--	7.4	--	--	140	0
22...	1525	1	1.5	--	--	7.1	--	--	140	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
15...	1201	--	--	--	--	--	--	2.60	<.100
15...	1205	0	29	72	20	157	2.5	--	--
15...	1210	0	28	70	21	157	2.8	--	--
MAY									
25...	1336	--	--	--	--	--	--	2.70	<.100
25...	1340	0	30	75	17	150	2.0	--	--
25...	1345	0	36	90	21	180	2.5	--	--
AUG									
22...	1520	0	28	70	18	150	3.2	3.40	.600
22...	1525	0	30	75	17	150	3.5	--	--

07059495 NORFORK LAKE NEAR HAND, AR (LAT 36 16 27 LONG 092 12 30)

DATE	TIME	MEDIUM	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)
DEC										
15...	0915	0	80513	80513	.00	155	--	--	4.0	--
15...	0916	0	80513	80010	3.00	155	--	--	--	--
15...	0920	0	80513	80010	31.0	155	280	7.9	--	11.5
15...	0925	0	80513	80010	124	155	295	7.7	--	11.5
MAY										
25...	1400	9	80513	80513	.00	145	--	--	28.5	--
25...	1401	9	80513	80010	3.00	145	--	--	--	--
25...	1405	9	80513	80010	29.0	145	285	8.0	--	16.0
25...	1410	9	80513	80010	116	145	280	7.8	--	10.0
AUG										
22...	1810	9	80513	80513	.00	135	--	--	36.0	--
22...	1811	9	80513	80010	3.00	135	--	--	--	--
22...	1815	9	80513	80010	27.0	135	300	8.6	--	26.0
22...	1820	9	80513	80010	108	135	290	8.0	--	11.5

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07059495 NORFORK LAKE NEAR HAND, AR--CONTINUED

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC										
15...	0915	--	--	54.0	1.40	--	751	30	--	--
15...	0920	16	4.0	--	--	8.0	--	--	150	0
15...	0925	9	2.5	--	--	6.1	--	--	150	0
MAY										
25...	1400	--	--	125	3.2	--	748	0	--	--
25...	1405	6	1.2	--	--	8.7	--	--	140	5
25...	1410	6	1.6	--	--	6.9	--	--	140	5
AUG										
22...	1810	--	--	226	5.7	--	749	0	--	--
22...	1815	1	<1.0	--	--	9.0	--	--	150	0
22...	1820	2	1.1	--	--	1.1	--	--	150	10

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
15...	0916	--	--	--	--	--	--	1.50	<.100
15...	0920	0	27	68	19	157	2.8	--	--
15...	0925	0	28	70	20	162	3.1	--	--
MAY									
25...	1401	--	--	--	--	--	--	1.10	<.100
25...	1405	5	30	75	17	140	2.0	--	--
25...	1410	5	30	75	17	140	2.0	--	--
AUG									
22...	1811	--	--	--	--	--	--	1.40	<.100
22...	1815	0	29	72	18	150	3.2	--	--
22...	1820	10	32	80	17	140	35	--	--

07061600 BLACK RIVER BELOW ANNAPOLIS, MO (LAT 37 19 30 LONG 090 45 50)

DATE	TIME	MEDIUM	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)
DEC											
16...	1325	0	80513	80513	.00	4.0	--	--	4.5	--	--
16...	1326	0	80513	80010	3.00	4.0	--	--	--	--	--
16...	1330	0	80513	80010	2.00	4.0	191	7.8	--	7.0	8
MAY											
26...	1435	9	80513	80513	.00	2.0	--	--	28.0	--	--
26...	1440	9	80513	80010	1.00	2.0	210	7.6	--	20.5	<1
AUG											
24...	1415	9	80513	80513	.00	2.0	--	--	35.0	--	--
24...	1420	9	80513	80010	1.00	2.0	295	7.9	--	26.0	4

DATE	TIME	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
DEC											
16...	1325	--	--	--	--	755	--	0	--	--	--
16...	1330	<1.0	--	--	11.3	--	.3	--	93	5	5
MAY											
26...	1435	--	>24.0	>.60	--	750	--	12	--	--	--
26...	1440	<1.0	--	--	8.5	--	.9	--	95	46	46
AUG											
24...	1415	--	>24.0	>.60	--	755	--	2	--	--	--
24...	1420	>1.0	--	--	7.6	--	.7	--	130	3	3

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07061600 BLACK RIVER BELOW ANNAPOLIS, MO--CONTINUED

DATE	TIME	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
DEC											
16...	1330	19	48	11	88	11	3.7	.300	.300	.020	.38
MAY											
26...	1440	20	--	11	49	8.0	2.5	--	<.100	.050	.05
AUG											
24...	1420	27	68	16	130	9.0	3.8	--	<.100	.020	.28

DATE	TIME	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)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC											
16...	1326	--	--	--	--	--	--	--	--	<.100	<.100
16...	1330	.40	.70	3.1	<.010	--	<.010	110	10	--	--
MAY											
26...	1440	.10	--	--	<.010	--	<.010	100	10	.300	<.100
AUG											
24...	1420	.30	--	--	.290	.89	<.010	150	20	.300	<.100

07061700 CLEARWATER LAKE ABOVE FINLEY BRANCH, MO
(LAT 37 12 30 LONG 090 46 43)

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
DEC											
16...	1035	0	80513	80513	.00	50.0	--	--	.5	--	--
16...	1036	0	80513	80010	3.00	50.0	--	--	--	--	--
16...	1040	0	80513	80010	25.0	50.0	103	7.2	--	9.5	45
MAY											
26...	1245	9	80513	80513	.00	48.0	--	--	27.0	--	--
26...	1246	9	80513	80010	3.00	48.0	--	--	--	--	--
26...	1250	9	80513	80010	24.0	48.0	143	7.4	--	16.5	7
AUG											
24...	1225	9	80513	80513	.00	4.0	--	--	33.5	--	--
24...	1230	9	80513	80010	2.00	4.0	280	7.4	--	25.0	2

DATE	TIME	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	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)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)
DEC											
16...	1035	--	12.0	.30	--	759	--	K24	--	--	--
16...	1040	34	--	--	8.8	--	.4	--	44	4	4
MAY											
26...	1245	--	42.0	1.10	--	751	--	0	--	--	--
26...	1250	15	--	--	6.7	--	.4	--	57	32	32
AUG											
24...	1225	--	15.6	.40	--	757	--	12	--	--	--
24...	1230	6.7	--	--	7.4	--	1.0	--	130	0	0

DATE	TIME	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
DEC											
16...	1040	9.0	22	5.3	40	8.0	4.5	.200	.200	.100	.00
MAY											
26...	1250	12	--	6.5	25	8.0	1.5	.100	.100	.050	.25
AUG											
24...	1230	27	68	16	140	8.0	3.2	.100	.100	.100	.60

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07061700 CLEARWATER LAKE ABOVE FINLEY BRANCH, MO--CONTINUED

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC											
16...	1036	--	--	--	--	--	--	--	--	<.100	<.100
16...	1040	.10	.30	1.3	.050	.15	.030	760	60	--	--
MAY											
26...	1246	--	--	--	--	--	--	--	--	2.70	<.100
26...	1250	.30	.40	1.8	.010	.03	<.010	410	20	--	--
AUG											
24...	1230	.70	.80	3.5	.390	1.2	<.010	580	70	1.10	<.100

07061950 CLEARWATER LAKE AT CARTER HOLLOW, MO
(LAT 37 09 58 LONG 090 48 43)

DATE	TIME	MEDIUM	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)
DEC										
16...	1135	0	80513	80513	.00	50.0	--	--	2.0	--
16...	1136	0	80513	80010	3.00	50.0	--	--	--	--
16...	1140	0	80513	80010	25.0	50.0	66	6.8	--	10.5
MAY										
26...	1215	9	80513	80513	.00	48.0	--	--	27.0	--
26...	1216	9	80513	80010	3.00	48.0	--	--	--	--
26...	1220	9	80513	80010	24.0	48.0	129	7.4	--	16.5
AUG										
24...	1200	9	80513	80513	.00	3.0	--	--	33.5	--
24...	1205	9	80513	80010	1.50	3.0	225	8.5	--	28.0

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC										
16...	1135	--	--	3.6	.90	--	759	89	--	--
16...	1140	200	110	--	--	7.8	--	--	29	4
MAY										
26...	1215	--	--	15.6	.40	--	751	0	--	--
26...	1220	45	34	--	--	5.6	--	--	53	5
AUG										
24...	1200	--	--	14.4	.40	--	757	1	--	--
24...	1205	1	8.0	--	--	7.8	--	--	100	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
16...	1136	--	--	--	--	--	--	<.100	<.100
16...	1140	4	5.6	14	3.6	25	4.8	--	--
MAY									
26...	1216	--	--	--	--	--	--	4.10	<.100
26...	1220	5	12	30	5.7	49	1.5	--	--
AUG									
24...	1205	0	22	55	12	110	2.0	13.0	1.90

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07061980 CLEARWATER LAKE NEAR CARTER SPRING ON WEBB CREEK, MO
(LAT 37 08 34 LONG 090 49 08)

DATE	TIME	MEDIUM	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)
DEC										
16...	1105	0	80513	80513	.00	48.0	--	--	2.0	--
16...	1106	0	80513	80010	3.00	48.0	--	--	--	--
16...	1110	0	80513	80010	24.0	48.0	64	6.9	--	10.5
MAY										
26...	1200	9	80513	80513	.00	40.0	--	--	26.5	--
26...	1201	9	80513	80010	3.00	40.0	--	--	--	--
26...	1205	9	80513	80010	20.0	40.0	118	7.5	--	17.5
AUG										
24...	1150	9	80513	80513	.00	2.0	--	--	33.5	--
24...	1155	9	80513	80010	1.00	2.0	310	8.0	--	25.0

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC										
16...	1105	--	--	3.6	.00	--	759	82	--	--
16...	1110	210	110	--	--	7.2	--	--	33	8
MAY										
26...	1200	--	--	26.4	.70	--	751	1	--	--
26...	1205	20	20	--	--	5.6	--	--	44	0
AUG										
24...	1150	--	--	4.8	.10	--	757	6	--	--
24...	1155	1	22	--	--	6.8	--	--	140	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
16...	1106	--	--	--	--	--	--	<.100	<.100
16...	1110	8	6.3	16	4.1	25	10	--	--
MAY									
26...	1201	--	--	--	--	--	--	5.00	<.100
26...	1205	0	10	25	4.7	46	.50	--	--
AUG									
24...	1155	0	30	75	16	150	1.3	16.0	4.40

07075025 GREERS FERRY LAKE AT BRUSH CREEK, AR
(LAT 35 37 15 LONG 092 11 16)

DATE	TIME	MEDIUM	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)
DEC											
13...	1355	0	80513	80513	.00	80.0	--	--	6.5	--	--
13...	1356	0	80513	80010	3.00	80.0	--	--	--	--	--
13...	1400	0	80513	80010	16.0	80.0	43	7.2	--	11.5	100
13...	1405	0	80513	80010	64.0	80.0	57	7.2	--	10.0	20
MAY											
23...	1330	9	80513	80513	.00	60.0	--	--	19.0	--	--
23...	1331	9	80513	80010	3.00	60.0	--	--	--	--	--
23...	1335	9	80513	80010	12.0	60.0	63	7.3	--	18.5	13
23...	1340	9	80513	80010	48.0	60.0	63	6.6	--	14.5	8
AUG											
18...	1645	9	80513	80513	.00	45.0	--	--	33.0	--	--
18...	1650	9	80513	80010	9.00	45.0	65	7.1	--	30.0	5
18...	1655	9	80513	80010	36.0	45.0	82	6.9	--	19.0	7

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07075025 GREERS FERRY LAKE AT BRUSH CREEK, AR--CONTINUED

DATE	TIME	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
DEC											
13...	1355	--	4.8	.10	--	755	--	K140	--	--	--
13...	1400	120	--	--	9.2	--	.8	--	16	0	0
13...	1405	28	--	--	1.0	--	1.0	--	23	3	3
MAY											
23...	1330	--	96.0	2.40	--	752	--	1	--	--	--
23...	1335	15	--	--	7.9	--	1.2	--	25	3	3
23...	1340	23	--	--	5.0	--	1.1	--	26	4	4
AUG											
18...	1645	--	158	4.0	--	753	--	0	--	--	--
18...	1650	1.5	--	--	9.2	--	1.0	--	28	3	3
18...	1655	35	--	--	.1	--	1.0	--	36	0	0

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
DEC											
13...	1400	5.1	13	.70	15	1.0	1.0	.300	.300	.180	.52
13...	1405	7.7	19	1.0	20	2.0	1.5	.200	.200	.070	--
MAY											
23...	1335	7.2	18	1.6	22	<5.0	4.2	--	<.100	.040	.16
23...	1340	7.8	19	1.6	22	<5.0	1.5	--	<.100	.090	.21
AUG											
18...	1650	9.2	23	1.2	25	4.0	.70	--	<.100	.090	.11
18...	1655	12	30	1.5	40	3.0	.10	--	<.100	.430	.17

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC											
13...	1356	--	--	--	--	--	--	--	--	<.100	<.100
13...	1400	.70	1.0	4.4	.200	.61	.140	4500	80	--	--
13...	1405	<.10	--	--	.080	.25	.040	1700	50	--	--
MAY											
23...	1331	--	--	--	--	--	--	--	--	2.90	<.100
23...	1335	.20	--	--	.070	.21	.010	470	40	--	--
23...	1340	.30	--	--	.030	.09	.020	630	250	--	--
AUG											
18...	1650	.20	--	--	.030	.09	<.010	160	30	--	--
18...	1655	.60	--	--	.190	.58	.080	5300	1500	--	--

07075215 GREERS FERRY LAKE ABOVE HILL CREEK, AR
(LAT 35 36 24 LONG 092 30 14)

DATE	TIME	MEDIUM	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)
DEC										
13...	1420	0	80513	80513	.00	95.0	--	--	5.0	--
13...	1421	0	80513	80010	3.00	95.0	--	--	--	--
13...	1425	0	80513	80010	19.0	95.0	32	7.0	--	12.5
13...	1430	0	80513	80010	76.0	95.0	44	6.9	--	11.5
MAY										
23...	1305	9	80513	80513	.00	80.0	--	--	18.5	--
23...	1306	9	80513	80010	3.00	80.0	--	--	--	--
23...	1310	9	80513	80010	16.0	80.0	46	7.1	--	18.5
23...	1315	9	80513	80010	64.0	80.0	53	7.0	--	11.5
AUG										
18...	1710	9	80513	80513	.00	65.0	--	--	35.5	--
18...	1715	9	80513	80010	13.0	65.0	44	7.3	--	29.0
18...	1720	9	80513	80010	52.0	65.0	55	6.6	--	15.5

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07075215 GREERS FERRY LAKE ABOVE HILL CREEK, AR--CONTINUED

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC										
13...	1420	--	--	6.0	.20	--	755	120	--	--
13...	1425	85	100	--	--	8.3	--	--	11	2
13...	1430	28	4.3	--	--	9.0	--	--	16	0
MAY										
23...	1305	--	--	82.8	2.10	--	752	4	--	--
23...	1310	10	10	--	--	7.5	--	--	17	2
23...	1315	14	15	--	--	5.0	--	--	19	3
AUG										
18...	1710	--	--	167	4.2	--	752	0	--	--
18...	1715	5	1.3	--	--	7.4	--	--	18	2
18...	1720	5	18	--	--	.3	--	--	23	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
13...	1421	--	--	--	--	--	--	<.100	<.100
13...	1425	2	3.4	8.0	.70	10	1.0	--	--
13...	1430	0	4.9	12	.80	15	2.0	--	--
MAY									
23...	1306	--	--	--	--	--	--	3.90	<.100
23...	1310	2	5.1	13	1.0	15	1.0	--	--
23...	1315	3	5.3	13	1.5	16	2.0	--	--
AUG									
18...	1715	2	5.5	14	1.0	16	.70	--	--
18...	1720	0	7.3	18	1.2	25	.50	--	--

07075490 GREERS FERRY LAKE NEAR CLINTON, AR
(LAT 35 35 06 LONG 092 25 32)

DATE	TIME	MEDIUM	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)
DEC											
13...	1625	0	80513	80513	.00	34.0	--	--	4.5	--	--
13...	1626	0	80513	80010	3.00	34.0	--	--	--	--	--
13...	1630	0	80513	80010	17.0	34.0	25	6.7	--	7.0	15
MAY											
23...	1445	9	80513	80513	.00	22.0	--	--	23.0	--	--
23...	1446	9	80513	80010	3.00	22.0	--	--	--	--	--
23...	1450	9	80513	80010	11.0	22.0	30	7.8	--	18.0	7
AUG											
18...	1515	9	80513	80513	.00	4.0	--	--	32.0	--	--
18...	1520	9	80513	80010	2.00	4.0	44	7.7	--	32.0	3

DATE	TIME	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
DEC											
13...	1625	--	54.0	1.40	--	750	--	76	--	--	--
13...	1630	5.8	--	--	11.0	--	.3	--	9	2	2
MAY											
23...	1445	--	86.4	2.20	--	752	--	74	--	--	--
23...	1450	5.7	--	--	8.4	--	1.3	--	9	0	0
AUG											
18...	1515	--	38.4	1.00	--	753	--	1	--	--	--
18...	1520	2.8	--	--	8.5	--	5.5	--	16	4	4

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07075490 GREERS FERRY LAKE NEAR CLINTON, AR--CONTINUED

DATE	TIME	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
DEC										
13...	1630	2.4	6.0	.80	7	<1.0	3.0	.100	.100	.030
MAY										
23...	1450	1.8	--	1.2	9	<5.0	1.5	--	<.100	.060
AUG										
18...	1520	4.5	11	1.1	12	3.0	1.5	--	<.100	.080

DATE	TIME	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	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)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC										
13...	1626	--	--	--	--	--	--	--	<.100	<.100
13...	1630	--	<.10	.010	.03	<.010	490	30	--	--
MAY										
23...	1446	--	--	--	--	--	--	--	.600	<.100
23...	1450	.14	.20	<.010	--	<.010	370	60	--	--
AUG										
18...	1520	.22	.30	.050	.15	<.010	310	90	--	--

07075602 GREERS FERRY LAKE NEAR CHOCTAW, AR
(LAT 35 31 27 LONG 092 25 04)

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)
DEC										
13...	1600	0	80513	80513	.00	30.0	--	--	5.0	--
13...	1601	0	80513	80010	3.00	30.0	--	--	--	--
13...	1605	0	80513	80010	6.00	30.0	20	6.7	--	10.5
13...	1610	0	80513	80010	24.0	30.0	26	6.8	--	7.5
MAY										
23...	1415	9	80513	80513	.00	20.0	--	--	23.0	--
23...	1416	9	80513	80010	3.00	20.0	--	--	--	--
23...	1420	9	80513	80010	4.00	20.0	23	6.9	--	20.0
23...	1425	9	80513	80010	16.0	20.0	32	6.6	--	17.5
AUG										
18...	1445	9	80513	80513	.00	4.0	--	--	32.5	--
18...	1450	9	80513	80010	2.00	4.0	37	7.1	--	30.5

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	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)
DEC										
13...	1600	--	--	3.6	.00	--	750	100	--	--
13...	1605	100	75	--	--	8.2	--	--	6	0
13...	1610	40	30	--	--	10.0	--	--	7	1
MAY										
23...	1415	--	--	31.2	.80	--	752	14	--	--
23...	1420	17	15	--	--	7.8	--	--	9	2
23...	1425	15	15	--	--	7.1	--	--	9	1
AUG										
18...	1445	--	--	19.2	.50	--	753	1	--	--
18...	1450	3	3.8	--	--	7.8	--	--	14	0

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

WHITE RIVER BASIN--CONTINUED

07075602 GREERS FERRY LAKE NEAR CHOCTAW, AR--CONTINUED

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
13...	1601	--	--	--	--	--	--	<.100	<.100
13...	1605	0	1.5	4.0	.60	6	1.5	--	--
13...	1610	1	1.5	4.0	.80	6	2.0	--	--
MAY									
23...	1416	--	--	--	--	--	--	1.50	<.100
23...	1420	2	2.0	5.0	1.0	7	1.5	--	--
23...	1425	1	2.0	5.0	1.0	8	2.5	--	--
AUG									
18...	1450	0	3.8	10	1.0	13	--	--	--

07075660 GREERS FERRY LAKE NEAR EDEN ISLE, AR
(LAT 35 30 12 LONG 092 05 32)

DATE	TIME	MEDIUM	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)
DEC										
13...	1235	0	80513	80513	.00	90.0	--	--	5.5	--
13...	1236	0	80513	80010	3.00	90.0	--	--	--	--
13...	1240	0	80513	80010	18.0	90.0	42	7.1	--	11.5
13...	1245	0	80513	80010	72.0	90.0	41	7.1	--	11.0
MAY										
23...	1200	9	80513	80513	.00	75.0	--	--	18.0	--
23...	1201	9	80513	80010	3.00	75.0	--	--	--	--
23...	1205	9	80513	80010	15.0	75.0	42	7.3	--	20.0
23...	1210	9	80513	80010	60.0	75.0	42	6.8	--	12.5
AUG										
19...	0835	9	80513	80513	.00	55.0	--	--	29.5	--
19...	0840	9	80513	80010	11.0	55.0	43	7.1	--	29.0
19...	0845	9	80513	80010	44.0	55.0	42	6.8	--	16.0

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC										
13...	1235	--	--	21.6	.60	--	757	49	--	--
13...	1240	18	2.4	--	--	9.6	--	--	13	0
13...	1245	18	2.4	--	--	9.3	--	--	14	1
MAY										
23...	1200	--	--	46.8	1.20	--	752	2	--	--
23...	1205	25	16	--	--	8.9	--	--	15	4
23...	1210	28	29	--	--	6.9	--	--	16	4
AUG										
19...	0835	--	--	174	4.4	--	755	1	--	--
19...	0840	2	1.1	--	--	7.2	--	--	15	2
19...	0845	10	9.5	--	--	2.8	--	--	15	3

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
13...	1236	--	--	--	--	--	--	.400	<.100
13...	1240	0	3.7	9.0	.80	13	1.5	--	--
13...	1245	1	4.2	10	.90	13	1.0	--	--
MAY									
23...	1201	--	--	--	--	--	--	1.50	<.100
23...	1205	4	4.7	12	.70	11	1.5	--	--
23...	1210	4	4.8	12	1.0	12	1.5	--	--
AUG									
19...	0840	2	4.6	12	.90	13	.70	--	--
19...	0845	3	4.5	11	.90	12	1.0	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

ARKANSAS RIVER BASIN

07258600 BLUE MOUNTAIN LAKE AT THE NARROWS, AR (LAT 35 07 37 LONG 093 48 35)

DATE	TIME	MEDIUM	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)
JAN										
26...	1125	0	80513	80513	.00	5.0	--	--	6.5	--
26...	1126	0	80513	80010	3.00	5.0	--	--	--	--
26...	1130	0	80513	80010	2.50	5.0	54	6.9	--	3.0
MAY										
17...	0805	9	80513	80513	.00	8.0	--	--	20.0	--
17...	0806	9	80513	80010	3.00	8.0	--	--	--	--
17...	0810	9	80513	80010	4.00	8.0	58	6.7	--	17.0
AUG										
16...	0815	9	80513	80513	.00	6.0	--	--	25.0	--
16...	0820	9	80513	80010	3.00	6.0	62	6.7	--	27.0

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)
JAN										
26...	1125	--	--	6.0	.20	--	754	--	K37	--
26...	1130	70	60	--	--	12.2	--	1.8	--	12
MAY										
17...	0805	--	--	13.2	.30	--	754	--	K470	--
17...	0810	40	36	--	--	8.5	--	1.8	--	13
AUG										
16...	0815	--	--	6.0	.20	--	756	--	100	--
16...	0820	80	30	--	--	3.7	--	1.9	--	17

DATE	TIME	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN										
26...	1126	--	--	--	--	--	--	--	1.80	<.100
26...	1130	0	0	2.0	5.0	1.8	13	2.5	--	--
MAY										
17...	0806	--	--	--	--	--	--	--	1.10	.200
17...	0810	1	1	2.4	6.0	1.8	12	2.5	--	--
AUG										
16...	0820	0	0	3.4	8.0	2.1	18	1.8	5.00	2.00

07258699 BLUE MOUNTAIN LAKE AT SUGAR GROVE, AR
(LAT 35 04 41 LONG 093 49 05)

DATE	TIME	MEDIUM	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)
JAN										
26...	1040	0	80513	80513	.00	2.0	--	--	7.0	--
26...	1041	0	80513	80010	3.00	2.0	--	--	--	--
26...	1045	0	80513	80010	1.00	2.0	45	6.7	--	3.0
MAY										
17...	0725	9	80513	80513	.00	6.0	--	--	19.0	--
17...	0730	9	80513	80010	3.00	6.0	28	6.3	--	16.0
AUG										
16...	0725	9	80513	80513	.00	4.0	--	--	24.5	--
16...	0730	9	80513	80010	2.00	4.0	51	6.6	--	27.5

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

ARKANSAS RIVER BASIN--CONTINUED

07258699 BLUE MOUNTAIN LAKE AT SUGAR GROVE, AR--CONTINUED

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
JAN										
26...	1040	--	--	>24.0	>.60	--	754	K14	--	--
26...	1045	22	6.8	--	--	12.0	--	--	9	0
MAY										
17...	0725	--	--	38.4	1.00	--	754	120	--	--
17...	0730	20	14	--	--	8.8	--	--	8	2
AUG										
16...	0725	--	--	28.8	.70	--	755	30	--	--
16...	0730	13	4.4	--	--	4.2	--	--	14	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN									
26...	1041	--	--	--	--	--	--	.300	<.100
26...	1045	0	1.4	4.0	1.3	8	1.0	--	--
MAY									
17...	0730	2	1.9	5.0	.90	7	1.5	<.100	<.100
AUG									
16...	0730	0	2.7	8.0	1.8	18	1.8	1.60	<.100

07258705 BLUE MOUNTAIN LAKE NEAR SUGAR GROVE, AR
(LAT 35 05 50 LONG 093 48 08)

DATE	TIME	MEDIUM	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)
JAN											
26...	1005	0	80513	80513	.00	9.0	--	--	7.0	--	--
26...	1006	0	80513	80010	3.00	9.0	--	--	--	--	--
26...	1010	0	80513	80010	4.50	9.0	58	6.2	--	3.0	32
MAY											
16...	0835	9	80513	80513	.00	30.0	--	--	20.5	--	--
16...	0836	9	80513	80010	3.00	30.0	--	--	--	--	--
16...	0840	9	80513	80010	6.00	30.0	57	6.7	--	17.0	50
16...	0845	9	80513	80010	24.0	30.0	41	6.7	--	17.0	35
AUG											
16...	0745	9	80513	80513	.00	14.0	--	--	25.0	--	--
16...	0750	9	80513	80010	3.00	14.0	62	6.8	--	29.0	35
16...	0755	9	80513	80010	11.0	14.0	67	6.5	--	26.0	80

DATE	TIME	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
JAN											
26...	1005	--	14.4	.40	--	754	--	K23	--	--	--
26...	1010	16	--	--	9.6	--	1.6	--	13	0	0
MAY											
16...	0835	--	9.6	.20	--	754	--	K510	--	--	--
16...	0840	35	--	--	9.0	--	2.0	--	13	0	0
16...	0845	25	--	--	8.6	--	1.4	--	12	4	4
AUG											
16...	0745	--	26.4	.70	--	755	--	20	--	--	--
16...	0750	15	--	--	5.3	--	1.7	--	19	0	0
16...	0755	34	--	--	.2	--	1.7	--	17	0	0

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

ARKANSAS RIVER BASIN--CONTINUED

07258705 BLUE MOUNTAIN LAKE NEAR SUGAR GROVE, AR--CONTINUED

DATE	TIME	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
JAN											
26...	1010	2.5	6.0	1.7	13	6.0	.50	.600	.600	.080	--
MAY											
16...	0840	2.5	6.0	1.7	16	8.0	2.5	.100	.100	.090	.21
16...	0845	2.6	7.0	1.3	8	6.0	<.00	--	<.100	.070	.13
AUG											
16...	0750	3.9	10	2.2	25	5.0	2.5	--	<.100	.070	.33
16...	0755	3.6	9.0	2.0	18	5.0	1.2	.200	.200	.240	.16

DATE	TIME	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)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JAN											
26...	1006	--	--	--	--	--	--	--	--	1.10	<.100
26...	1010	<.10	--	--	.040	.12	.020	1100	200	--	--
MAY											
16...	0836	--	--	--	--	--	--	--	--	.700	<.100
16...	0840	.30	.40	1.8	.060	.18	.040	1500	70	--	--
16...	0845	.20	--	--	.030	.09	.020	650	50	--	--
AUG											
16...	0750	.40	--	--	.050	.15	.020	880	100	8.70	3.00
16...	0755	.40	.60	2.7	.060	.18	.030	2400	440	--	--

07258900 BLUE MOUNTAIN LAKE AT ASHLEY CREEK NEAR WAVELAND, AR
(LAT 35 06 14 LONG 093 42 26)

DATE	TIME	MEDIUM	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 (STAND-ARD UNITS) (00400)	TEMPER-ATURE, AIR (DEG C) (00020)	TEMPER-ATURE (DEG C) (00010)
JAN										
26...	0900	0	80513	80513	.00	4.0	--	--	7.0	--
26...	0901	0	80513	80010	3.00	4.0	--	--	--	--
26...	0905	0	80513	80010	2.00	4.0	129	7.0	--	4.5
MAY										
16...	1525	9	80513	80513	.00	14.0	--	--	26.0	--
16...	1526	9	80513	80010	3.00	14.0	--	--	--	--
16...	1530	9	80513	80010	7.00	14.0	54	6.5	--	21.5
AUG										
15...	1430	9	80513	80513	.00	4.0	--	--	34.5	--
15...	1435	9	80513	80010	2.00	4.0	63	6.9	--	32.5

DATE	TIME	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	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)
JAN										
26...	0900	--	--	31.2	.80	--	754	K34	--	--
26...	0905	10	15	--	--	10.8	--	--	29	9
MAY										
16...	1525	--	--	21.6	.60	--	755	74	--	--
16...	1530	55	20	--	--	6.8	--	--	13	0
AUG										
15...	1430	--	--	20.4	.50	--	755	19	--	--
15...	1435	9	5.7	--	--	7.1	--	--	18	0

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

ARKANSAS RIVER BASIN--CONTINUED

07258900 BLUE MOUNTAIN LAKE AT ASHLEY CREEK NEAR WAVELAND, AR--CONTINUED

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JAN									
26...	0901	--	--	--	--	--	--	1.30	<.100
26...	0905	9	4.1	10	4.6	20	1.4	--	--
MAY									
16...	1526	--	--	--	--	--	--	.900	<.100
16...	1530	0	2.6	6.0	1.5	15	2.5	--	--
AUG									
15...	1435	0	3.4	8.0	2.2	20	1.7	7.60	<.100

07261820 NIMROD LAKE AT HIGHWAY 27 BRIDGE, AR
(LAT 34 55 36 LONG 093 24 36)

DATE	TIME	MEDIUM	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)
DEC											
07...	1145	0	80513	80513	.00	35.0	--	--	12.0	--	--
07...	1146	0	80513	80010	3.00	35.0	--	--	--	--	--
07...	1150	0	80513	80010	7.00	35.0	31	6.1	--	13.0	100
07...	1155	0	80513	80010	28.0	35.0	33	6.1	--	12.5	45
MAY											
16...	1320	9	80513	80513	.00	15.0	--	--	20.5	--	--
16...	1325	9	80513	80010	3.00	15.0	30	6.2	--	17.0	45
16...	1330	9	80513	80010	12.0	15.0	30	6.2	--	17.0	40
AUG											
15...	1235	9	80513	80513	.00	6.0	--	--	33.0	--	--
15...	1240	9	80513	80010	3.00	6.0	51	6.3	--	28.0	20

DATE	TIME	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
DEC											
07...	1145	--	13.2	.30	--	760	--	280	--	--	--
07...	1150	28	--	--	7.5	--	1.2	--	7	0	0
07...	1155	21	--	--	7.8	--	1.1	--	8	0	0
MAY											
16...	1320	--	12.0	.30	--	756	--	K500	--	--	--
16...	1325	30	--	--	8.0	--	1.8	--	7	0	0
16...	1330	30	--	--	7.9	--	1.5	--	10	2	2
AUG											
15...	1235	--	27.6	.70	--	756	--	51	--	--	--
15...	1240	2.4	--	--	5.7	--	.4	--	16	0	0

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
DEC											
07...	1150	1.5	4.0	.90	8	3.0	2.0	.300	.300	.060	.24
07...	1155	1.4	4.0	1.0	7	3.0	2.5	.300	.300	.070	.13
MAY											
16...	1325	2.0	5.0	.60	7	<5.0	.50	--	<.100	.060	.14
16...	1330	2.4	6.0	1.0	8	<5.0	.00	.100	.100	.120	.08
AUG											
15...	1240	2.9	7.0	2.2	20	3.0	2.0	--	<.100	.030	.27

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

ARKANSAS RIVER BASIN--CONTINUED

07261820 NIMROD LAKE AT HIGHWAY 27 BRIDGE, AR--CONTINUED

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC											
07...	1146	--	--	--	--	--	--	--	--	<.100	<.100
07...	1150	.30	.60	2.7	.050	.15	.040	1000	50	--	--
07...	1155	.20	.50	2.2	.030	.09	.020	800	40	--	--
MAY											
16...	1325	.20	--	--	.040	.12	.020	1400	50	1.20	.300
16...	1330	.20	.30	1.3	.040	.12	.020	1300	50	--	--
AUG											
15...	1240	.30	--	--	.030	.09	<.010	750	60	2.10	<.100

07261880 NIMROD LAKE AT PLAINVIEW, AR
(LAT 34 59 03 LONG 093 18 36)

DATE	TIME	MEDIUM	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)
DEC										
07...	1135	0	80513	80513	.00	20.0	--	--	11.5	--
07...	1136	0	80513	80010	3.00	20.0	--	--	--	--
07...	1140	0	80513	80010	10.0	20.0	32	5.9	--	14.5
MAY										
16...	1305	9	80513	80513	.00	4.0	--	--	20.0	--
16...	1310	9	80513	80010	2.00	4.0	47	6.5	--	16.5

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC										
07...	1135	--	--	7.2	.20	--	760	K860	--	--
07...	1140	100	50	--	--	5.7	--	--	7	0
MAY										
16...	1305	--	--	16.8	.40	--	756	K770	--	--
16...	1310	18	15	--	--	8.4	--	--	11	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
07...	1136	--	--	--	--	--	--	.200	<.100
07...	1140	0	1.4	4.0	.90	7	1.0	--	--
MAY									
16...	1310	0	1.9	5.0	1.5	12	2.5	.900	<.100

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

ARKANSAS RIVER BASIN--CONTINUED

07261910 NIMROD LAKE NEAR WARDS CROSSING, AR
(LAT 34 57 03 LONG 093 19 24)

DATE	TIME	MEDIUM	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)
DEC											
07...	0930	0	80513	80513	.00	40.0	--	--	11.0	--	--
07...	0931	0	80513	80010	3.00	40.0	--	--	--	--	--
07...	0935	0	80513	80010	8.00	40.0	25	6.0	--	15.0	140
07...	0940	0	1028	80010	32.0	40.0	24	6.0	--	14.5	140
MAY											
16...	1200	9	80513	80513	.00	34.0	--	--	20.0	--	--
16...	1201	9	80513	80010	3.00	34.0	--	--	--	--	--
16...	1205	9	80513	80010	7.00	34.0	30	6.3	--	17.5	40
16...	1210	9	80513	80010	27.0	34.0	30	6.3	--	17.0	45
AUG											
15...	1200	9	80513	80513	.00	12.0	--	--	32.0	--	--
15...	1205	9	80513	80010	2.50	12.0	38	5.9	--	30.0	13
15...	1206	9	80513	80010	3.00	12.0	--	--	--	--	--
15...	1210	9	80513	80010	9.50	12.0	44	5.8	--	29.0	35

DATE	TIME	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	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)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
DEC											
07...	0930	--	2.4	.00	--	760	--	380	--	--	--
07...	0935	75	--	--	6.5	--	1.8	--	5	0	0
07...	0940	60	--	--	6.8	--	1.8	--	6	0	0
MAY											
16...	1200	--	9.6	.20	--	756	--	K770	--	--	--
16...	1205	32	--	--	7.7	--	1.9	--	8	1	1
16...	1210	32	--	--	7.6	--	1.7	--	9	0	0
AUG											
15...	1200	--	19.2	.50	--	757	--	1	--	--	--
15...	1205	19	--	--	4.2	--	1.4	--	10	0	0
15...	1210	70	--	--	.1	--	2.1	--	10	0	0

DATE	TIME	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	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)
DEC											
07...	0935	1.1	3.0	.60	6	2.0	1.5	.300	.300	.200	.30
07...	0940	1.2	3.0	.70	5	3.0	2.0	.200	.200	.160	.34
MAY											
16...	1205	1.9	5.0	.80	7	<5.0	.50	.100	.100	.070	.13
16...	1210	1.8	4.0	1.0	8	<5.0	1.5	.100	.100	.090	.11
AUG											
15...	1205	1.9	5.0	1.3	13	3.0	1.0	--	<.100	.030	.47
15...	1210	2.2	6.0	1.2	13	3.0	1.0	--	<.100	.140	.66

DATE	TIME	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 TOTAL (MG/L AS PO4) (71886)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC											
07...	0931	--	--	--	--	--	--	--	--	<.100	<.100
07...	0935	.50	.80	3.5	.110	.34	.110	2700	150	--	--
07...	0940	.50	.70	3.1	.090	.28	.070	1500	110	--	--
MAY											
16...	1201	--	--	--	--	--	--	--	--	.600	<.100
16...	1205	.20	.30	1.3	.040	.12	.020	1500	40	--	--
16...	1210	.20	.30	1.3	.040	.12	.020	1100	30	--	--
AUG											
15...	1205	.50	--	--	.050	.15	.020	1600	170	--	--
15...	1206	--	--	--	--	--	--	--	--	<.100	<.100
15...	1210	.80	--	--	.080	.25	.030	7000	660	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

ARKANSAS RIVER BASIN--CONTINUED

07261925 NIMROD LAKE ON PRAIRIE CREEK, AR
(LAT 34 56 54 LONG 093 17 12)

DATE	TIME	MEDIUM	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)
DEC										
07...	1005	0	80513	80513	.00	34.0	--	--	11.0	--
07...	1006	0	80513	80010	3.00	34.0	--	--	--	--
07...	1010	0	80513	80010	7.00	34.0	26	5.8	--	14.5
07...	1015	0	80513	80010	27.0	34.0	26	5.8	--	14.5
MAY										
16...	1135	9	80513	80513	.00	14.0	--	--	20.0	--
16...	1140	9	80513	80010	3.00	14.0	36	6.0	--	19.5
16...	1145	9	80513	80010	11.0	14.0	34	6.0	--	19.0
AUG										
15...	1055	9	80513	80513	.00	6.0	--	--	29.5	--
15...	1100	9	80513	80010	3.00	6.0	38	6.6	--	30.0

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC										
07...	1005	--	--	3.6	.00	--	760	340	--	--
07...	1010	250	60	--	--	6.7	--	--	6	0
07...	1015	150	55	--	--	6.7	--	--	6	0
MAY										
16...	1135	--	--	18.0	.50	--	756	260	--	--
16...	1140	40	14	--	--	4.1	--	--	10	0
16...	1145	30	12	--	--	4.2	--	--	12	2
AUG										
15...	1055	--	--	20.4	.50	--	757	16	--	--
15...	1100	10	17	--	--	5.6	--	--	9	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
07...	1006	--	--	--	--	--	--	.200	<.100
07...	1010	0	1.1	3.0	.70	5	1.5	--	--
07...	1015	0	1.3	3.0	.70	7	2.0	--	--
MAY									
16...	1140	0	2.3	6.0	1.0	13	.50	5.80	1.40
16...	1145	2	2.8	7.0	1.2	10	1.5	--	--
AUG									
15...	1100	0	1.8	4.0	1.2	11	1.0	9.50	3.30

07261950 NIMROD LAKE NEAR CARTER COVE, AR
(LAT 34 57 22 LONG 093 14 56)

DATE	TIME	MEDIUM	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)
DEC										
06...	1050	0	80513	80513	.00	30.0	--	--	12.0	--
06...	1051	0	80513	80010	3.00	30.0	--	--	--	--
06...	1055	0	80513	80010	6.00	30.0	26	5.7	--	15.0
06...	1100	0	80513	80010	24.0	30.0	30	5.8	--	14.0
MAY										
16...	1020	9	80513	80513	.00	14.0	--	--	18.5	--
16...	1025	9	80513	80010	3.00	14.0	31	6.1	--	19.0
16...	1030	9	80513	80010	11.0	14.0	30	6.0	--	17.5
AUG										
15...	1005	9	80513	80513	.00	4.0	--	--	28.0	--
15...	1010	9	80513	80010	2.00	4.0	40	6.6	--	27.5

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

ARKANSAS RIVER BASIN--CONTINUED

07261950 NIMROD LAKE NEAR CARTER COVE, AR--CONTINUED

DATE	TIME	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
DEC										
06...	1050	--	--	4.8	.10	--	760	K520	--	--
06...	1055	150	65	--	--	6.7	--	--	6	0
06...	1100	150	60	--	--	7.5	--	--	6	0
MAY										
16...	1020	--	--	24.0	.60	--	757	20	--	--
16...	1025	40	17	--	--	5.5	--	--	11	2
16...	1030	40	15	--	--	5.9	--	--	10	3
AUG										
15...	1005	--	--	18.0	.50	--	758	88	--	--
15...	1010	10	15	--	--	4.1	--	--	11	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	CALCIUM TOTAL (MG/L AS CACO3) (00910)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC									
06...	1051	--	--	--	--	--	--	.300	<.100
06...	1055	0	1.2	3.0	.70	6	1.5	--	--
06...	1100	0	1.2	3.0	.70	6	1.5	--	--
MAY									
16...	1025	2	1.9	5.0	1.4	9	1.0	1.10	.700
16...	1030	3	1.5	4.0	1.4	7	1.0	--	--
AUG									
15...	1010	0	2.2	6.0	1.3	13	1.5	21.0	<.100

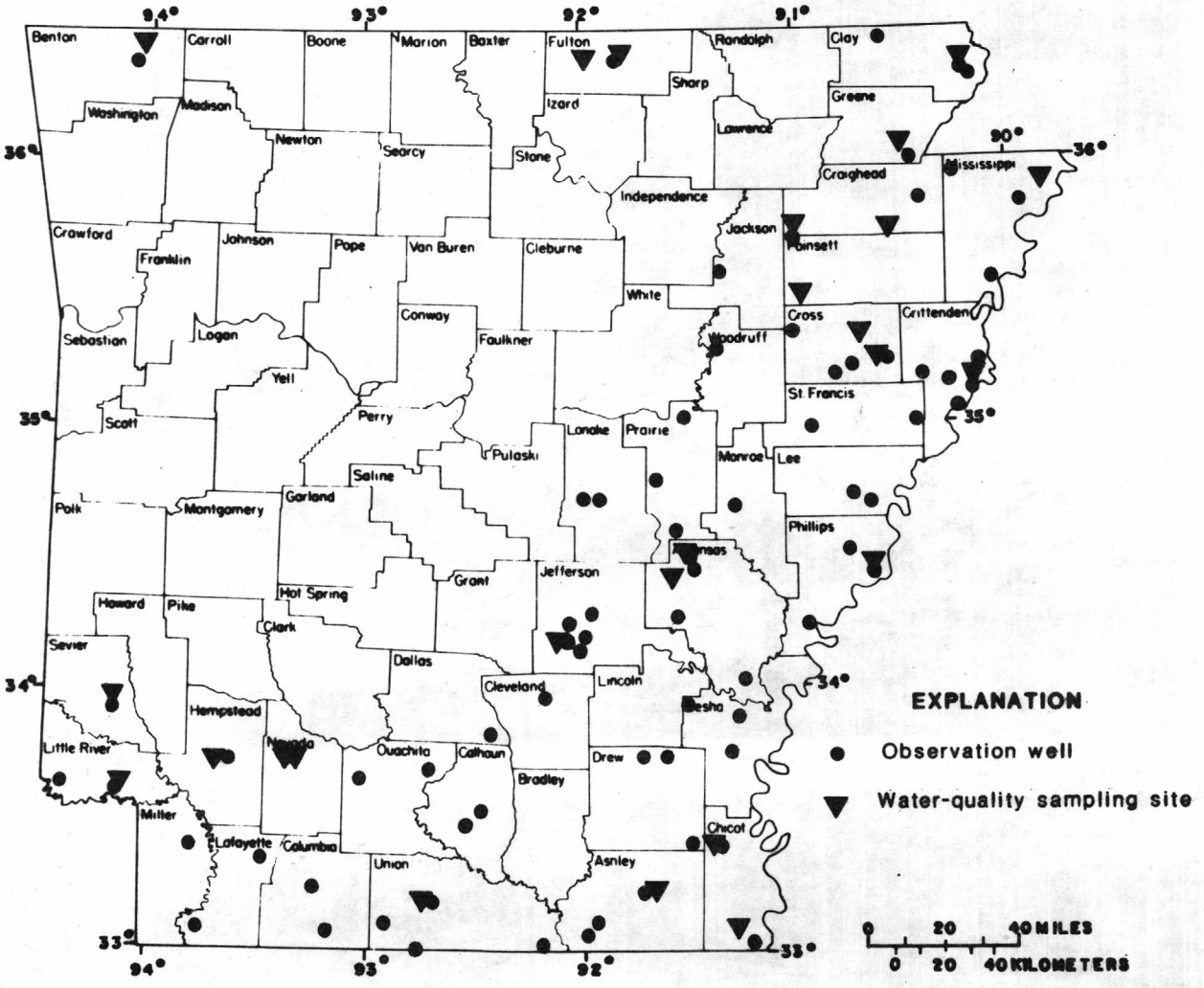


Figure 5.--Locations of observation wells in Arkansas.

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, depth 95 ft, cased 0-92 ft, screened 92-95 ft.
DATUM.--Land surface, 183.38 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land surface.
PERIOD OF RECORD.--December 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.09 ft below land surface, Apr. 20, 1962; lowest, 74.09 ft below land surface, July 24, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1983, 47.36 ft 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, depth 110 ft, screened 65-105 ft.
DATUM.--Land surface, 193 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 2.00 ft 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 below land surface, Mar. 26, 1980; lowest, 56.09 ft below land surface, Sept. 16, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1983, 50.46 ft 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, depth 801 ft, screened 698-798 ft.
DATUM.--Land surface, 210 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 1.50 ft 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 below land surface, Mar. 29, 1951; lowest, 157.98 ft below land surface, Sept. 12, 1966.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1983, 146.82 ft 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, depth 123 ft, screened 108-123 ft.
DATUM.--Land surface, 198 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for July 1975 and August 1979 are available in files of district office.

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
JUN 24...	1030	6	1028	80010	782	7.0	18.0	10	330	39	39

DATE	TIME	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 FIELD (MG/L AS CACO3) (00410)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
JUN 24...	1030	97	21	25	14	.6	1.5	290	273	94

DATE	TIME	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)	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)
JUN 24...	1030	34	.30	26	491	480	.67	<.100	.320	.00

342847091345702--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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, 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 24...	1030	.30	.030	.09	60	3700	3500	550	0	570

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, depth 760 ft.
DATUM.--Land surface, 216 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft 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 below land surface, Apr. 27, 1961; lowest, 277.19 ft below land surface, Aug. 28, 1980.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	194.82	175.54	166.98	160.75		---	150.00	147.96	166.05	169.82	203.77	254.11
10	189.51	173.68	166.01	159.73		---	149.76	148.05	162.88	184.84	210.80	241.50
15	185.83	172.10	164.77	159.33		---	149.70	148.39	170.67	192.31	210.80	243.48
20	182.87	172.88	163.68	---		---	149.22	147.76	177.85	191.40	233.85	237.21
25	180.08	170.21	162.54	---		---	148.70	147.14	180.29	195.55	251.38	223.31
EOM	177.34	168.18	161.53	---		150.58	148.34	149.40	173.04	189.45	259.26	214.64

WTR YR 1983 MAX 147.04 MAY 26, 1983 MIN 261.92 SEPT. 1, 1983

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, depth 758 ft, cased 0-668 ft, screened 668-758 ft.
DATUM.--Land surface, 216 ft 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.

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
AUG 29...	1130	6	80513	80010	463	7.5	24.0	1	150	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
AUG 29...	1130	0	45	10	39	35	1	5.8	220	4.4

DATE	TIME	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)	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)
AUG 29...	1130	24	.20	13	272	270	.37	<.100	.470	.33

342925091314701--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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, 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)
AUG 29...	1130	.80	.170	.52	100	980	570	80	50	35

ASHLEY COUNTY

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, depth 155 ft, screened 142-152 ft.
DATUM.--Land surface, 163.26 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.27 ft above land surface.
PERIOD OF RECORD.--June 1960 to August 1963, April 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 86.78 ft below land surface, Apr. 1, 1983; lowest, 93.28 ft below land surface, Aug. 22, 1963.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	87.85	88.05	87.86	87.95	87.70	87.05	87.37	87.67	87.56	87.81	87.80	87.75
10	87.94	87.83	88.02	87.66	87.40	87.69	87.61	87.72	87.79	87.76	87.79	87.79
15	87.82	87.99	87.81	88.00	87.61	87.29	87.79	87.51	87.69	87.72	87.81	87.76
20	87.93	87.75	87.82	87.59	87.66	87.28	87.63	87.65	87.73	87.81	87.79	87.73
25	87.84	88.10	87.72	87.78	87.77	87.63	87.62	87.67	87.68	87.69	87.84	87.76
EOM	87.81	---	87.99	87.51	87.58	87.45	87.53	87.53	87.75	87.76	87.69	87.76

WTR YR 1983 MAX 86.78 APR. 1, 1983 MIN 88.53 DEC. 9, 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, depth 128 ft, cased 0-108 ft.
DATUM.--Land surface, 183 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.60 ft 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 below land surface, Apr. 23, 1946; lowest, 89.95 ft below land surface, Mar. 23, 1983.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1983, 89.95 ft 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, depth 138 ft.
DATUM.--Land surface, 184 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1972 and August 1979 are available in files of district office.

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
JUN 22...	1630	6	1028	80010	685	7.2	20.0	17	270	0

331730091423301--Continued

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
JUN 22...	1630	0	83	15	28	18	.8	1.4	340	6.3

DATE	TIME	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)	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)
JUN 22...	1630	27	.30	35	391	400	.53	<.100	<.010	<.10

DATE	TIME	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, 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...	1630	.060	.18	40	90	<3	40	0	40

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, depth 115 ft.
DATUM.--Land surface, 182 ft National Geodetic Vertical Datum of 1929. Measuring point: Cutout in east side of casing, 1.20 ft above land surface.
PERIOD OF RECORD.--April 1969 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 72.45 ft below land surface, Mar. 6, 1972; lowest, 77.27 ft below land surface, Mar. 23, 1983.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1983, 77.27 ft 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, depth 1,659 ft, cased 0-300 ft, open hole 300-1,659 ft.
DATUM.--Land surface, 1,220 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump, 2.50 ft 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 below land surface, Dec. 2, 1975; lowest, 279.68 ft below land surface, June 9, 1967.
MEASUREMENT FOR CURRENT YEAR.--Apr. 26, 1983, 133.27 ft 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, depth 1,769 ft, cased 0-416 ft, open hole 416-1,769 ft.
DATUM.--Land surface, 1,406 ft above mean sea level. Measuring point: Airhole in top of casing, 1.50 ft above land surface.
REMARKS.--Water-quality records for January 1965, June 1972, August 1977, and June 1982 are available in files of district office. Water-levels discontinued, May 1978.
PERIOD OF RECORD.--October 1965 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 294.00 ft below land surface, Oct. 12, 1965; lowest 320.22 ft below land surface, June 8, 1967.

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, depth 450 ft.
DATUM.--Land surface, 208 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in south side of pump, 2.50 ft above land surface.
PERIOD OF RECORD.--July 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 134.49 ft below land surface, July 6, 1964; lowest, 164.78 ft below land surface, Oct. 22, 1979.
MEASUREMENT FOR CURRENT YEAR.--Mar. 31, 1983, 156.25 ft below land surface.

322932092325001. Local number, 14S14W21ACB1.
LOCATION.--Lat 32°29'32", long 92°32'50", Hydrologic Unit 08040201, near Hampton.
Owner: H. D. Avent.
AQUIFER.--Sand, Cockfield Formation of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, depth 160 ft, cased 0-120 ft, screened 150-160 ft.
DATUM.--Land surface, 132 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft above land surface.
PERIOD OF RECORD.--April 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24-28 ft below land surface, Aug. 6, 1978; lowest, 35.98 ft below land surface, Oct. 17, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	35.83			---	34.35	33.87	33.97	34.11	34.03	34.19	34.95	35.42
10	35.82			---	34.18	33.93	34.01	34.17	34.03	34.32	35.05	35.54
15	35.84			---	34.17	33.92	34.04	34.15	34.07	34.42	35.14	35.62
20	---			---	34.13	33.91	34.05	34.15	34.19	34.53	35.26	35.64
25	---			---	34.03	33.98	34.04	34.03	34.16	34.66	35.35	35.67
EOM	---			34.45	34.05	34.01	34.06	34.03	34.12	34.82	35.35	35.74

WTR YR 1983 MAX 33.87 MAR. 4-6, 1983 MIN 35.98 OCT. 17, 1982

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, depth 102 ft.
DATUM.--Land surface, 110 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, north side, 1.50 ft 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 below land surface, Mar. 29, 1973; lowest, 32.96 ft below land surface, Oct. 2, 1969.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1983, 9.10 ft 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, depth 330 ft.
DATUM.--Land surface, 135 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump base, 2.50 ft 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 below land surface, Mar. 20, 1975; lowest, 45.47 ft below land surface, Jan. 17, 1967.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1983, 41.93 ft below land surface.

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
JUN 22...	1400	6	1028	80010	820	7.2	20.0	18	290	0

330640091154103--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
JUN 22...	1400	0	72	26	58	30	2	1.6	380	.5

DATE	TIME	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)	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)
JUN 22...	1400	57	.20	28	421	470	.57	<.100	.230	.07

DATE	TIME	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, 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...	1400	.30	.030	.09	100	1300	1200	190	0	190

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, depth 90 ft, cased 0-50 ft, screened 50-90 ft.
DATUM.--Land surface, 131 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-Quality record for July 1952 and June 1982 are available in files of district office.
PERIOD OF RECORD.--July 1952, March 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.58 ft below land surface, Mar. 23, 1983; lowest, 24.58 ft below land surface, Mar. 23, 1983.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1983, 24.58 ft 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.
DATUM.--Land surface, 290 ft National Geodetic Vertical Datum of 1929. Measuring point: 1-in hole in bottom of discharge pipe, 4.00 ft 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 below land surface, Mar. 25, 1969; lowest, 18.49 ft below land surface, Apr. 13, 1967.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1983, 15.45 ft 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, depth 976 ft. Cased 0-900 ft, screened 900-976 ft.
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, and June 1982 are available in files of district office.

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, depth 90 ft, cased 0-70 ft, screened 70-90 ft.
DATUM.--Land surface, 283 ft National Geodetic Vertical Datum of 1929. Measuring point: 1/4-in plug in north side of pump, 1.00 ft 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 above land surface, Apr. 11, 1973; lowest, 9.48 ft below land surface, Jan. 15, 1957.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1983, 4.10 ft 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, depth 105 ft.
DATUM.--Land surface, 300 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft 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 below land surface, Apr. 4, 1973; lowest, 20.88 ft below land surface, Mar. 11, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1983, 16.52 ft 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, depth 550 ft, cased 0-500 ft, screened 500-550 ft.
DATUM.--Land surface, 266 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 2.00 ft above land surface.
PERIOD OF RECORD.--November 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 151.20 ft below land surface, May 13, 1966; lowest, 200.03 ft below land surface, Nov. 28, 1978.
MEASUREMENTS FOR CURRENT YEAR.--Mar. 21, 1983, 193.83 ft below land surface.

COLUMBIA COUNTY

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, depth 451 ft, cased 0-431 ft, screened 431-451 ft.
DATUM.--Land surface, 320 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in cap, 1.00 ft 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 below land surface, Oct. 12, 1950; lowest, 260.19 ft below land surface, Apr. 12, 1977.
MEASUREMENT FOR CURRENT YEAR.--Apr. 7, 1983, 246.12 ft 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, depth 428 ft, cased 0-365 ft, screened 365-425 ft.
DATUM.--Land surface, 303 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.30 ft above land surface.
REMARKS.--Well in vicinity of continuously pumping wells.
PERIOD OF RECORD.--April 1953 to current year.
EXTRMES FOR PERIOD OF RECORD.--Highest water level measured, 238.11 ft below land surface, Apr. 29, 1953; lowest, 354.39 ft below land surface, Sept. 1, 1965.
MEASUREMENT FOR CURRENT YEAR.--Apr. 7, 1983, 316.68 ft below land surface.

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, depth 120 ft, screened 100-120 ft.
DATUM.--Land surface, 250 ft 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 below land surface, June 19, 1957; lowest, 78.69 ft below land surface, Aug. 7, 1982.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	78.00	78.18	---	78.07	---	77.24	77.62	77.66		---	83.05	83.93
10	78.05	78.14	78.22	77.79	---	77.85	77.65	---		---	83.27	83.97
15	77.92	78.31	77.99	78.16	77.66	77.45	77.88	---		82.23	83.47	83.82
20	78.07	78.09	77.99	77.86	77.74	77.49	77.66	---		82.42	83.62	83.88
25	78.02	78.49	---	77.96	77.88	77.62	77.62	---		82.59	83.78	83.72
EOM	78.08	78.49	78.31	56.03	77.58	77.34	77.61	---		82.80	83.89	83.65

WTR YR 1983 MAX 77.24 MAR. 5, 1983 MIN 78.49 NOV. 25-30, 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, depth 127 ft, cased 0-87 ft, screened 87-127 ft.
DATUM.--Land surface, 250 ft 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, depth 150 ft, casing, slotted, 125-150 ft.
DATUM.--Land surface, 226 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing. South side, 1.50 ft above land surface.
PERIOD OF RECORD.--April 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.60 ft below land surface, Apr. 9, 1973; lowest, 5.79 ft below land surface, Sept. 16, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1983, 4.89 ft 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, depth 147 ft, cased 0-97 ft, screened 97-127 ft, cased 127-147 ft.
DATUM.--Land surface, 226 ft National Geodetic Vertical Datum of 1929. Measuring point: Breather-pipe hole, 1.50 ft 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 below land surface, Apr. 9, 1973; lowest, 12.43 ft below land surface, May 20, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1983, 11.48 ft below land surface.

CRITTENDEN COUNTY

350344090130000. Local number, 05N08E11CCA1.
LOCATION.--Lat 35°03'44", long 90°13'00", Hydrologic Unit 08020203, near Louise. (site no. AR: H-2).
Owner: U.S.G.S. and M.L.G.W.
AQUIFER.--Sand, Memphis Aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled observation aretsian well, diameter 6 in, depth 500 ft, cased 0-480 ft, screened 480-500 ft.
DATUM.--Land surface, 211 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.30 ft above land surface.
REMARKS.--Water-quality records for March 1983 are available in files of Memphis district office.
PERIOD OF RECORD.--March 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.29 ft below land surface, May 31, 1983; lowest, 26.01 ft below land surface, Sept. 25, 1983.

350344090130000--Continued

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5								---	15.55	19.46	22.04	24.54
10								---	17.02	19.52	22.42	25.10
15								15.77	18.41	19.95	22.87	25.42
20								15.61	19.08	20.50	23.30	25.73
25								15.58	18.96	20.82	23.83	26.01
EOM								15.29	19.25	21.18	24.23	26.00

WTR YR 1983 MAX 15.29 MAY 31, 1983 MIN 26.01 SEPT. 25, 1983

350958090173800. Local number, 06N07E01DAD1.
LOCATION.--Lat 35°09'58", long 90°17'38", Hydrologic Unit 08020203, near Lehi, (site no. AR: C-1).
Owner: U.S.G.S. and M.L.G.W. (well on W. J. Carlson Farm).
AQUIFER.--Sand, Memphis Aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in depth 622 ft, cased 0-602 ft, screened 602-622 ft.
DATUM.--Land surface, 209 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.30 ft above land surface.
REMARKS.--Water-quality records for April 1983, are available in files of Memphis district office.
PERIOD OF RECORD.--May 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.31 ft below land surface, June 20, 1983; lowest, 20.48 ft below land surface, Sept. 30, 1983.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5								---	15.42	16.23	17.96	19.63
10								---	15.33	16.50	18.19	19.92
15								16.31	15.31	16.78	18.51	20.10
20								16.14	15.53	17.04	18.77	20.22
25								15.90	15.72	17.24	19.10	20.43
EOM								15.61	15.99	17.66	19.35	20.48

WTR YR 1983 MAX 15.31 JUNE 20, 1983 MIN 20.48 SEPT. 30, 1983

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, depth 1,470 ft, cased 0-1,380 ft, screened 1,380-1,470 ft.
DATUM.--Land surface, 210 ft National Geodetic Vertical Datum of 1929. Measuring point: Vent pipe east side of pump, 2.80 ft above land surface.
REMARKS.--Water-quality records for December 1976, and June 1981 are in files of district office.
PERIOD OF RECORD.--March 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.93 ft below land surface, Mar. 16, 1983; lowest, 60.93 ft below land surface, Mar. 16, 1983.
MEASUREMENTS FOR CURRENT YEAR.--Mar. 16, 1983, 60.93 ft 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, depth 98 ft.
DATUM.--Land surface, 207 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in steel plate, 1.00 ft above land surface.
PERIOD OF RECORD.--March 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.31 ft below land surface, May 17, 1958; lowest, 19.78 ft below land surface, Mar. 16, 1982.
MEASUREMENT FOR CURRENT YEAR.--Mar. 16, 1983, 18.29 ft below land surface.

351349090062800. Local number, 07N09E14BAC1.
LOCATION.--Lat 35°13'49", long 90°06'28", Hydrologic Unit 08020203, about 4 mi east of Marion, (site no. AR: 0-1).
Owner: U.S.G.S. and M.L.G.W. (well on J. F. Fageman Heirs property.)
AQUIFER.--Sand, Memphis Aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in, depth 497 ft, cased 0-477 ft, screened 477-497 ft.
DATUM.--Land surface, 217 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.60 ft above land surface.
REMARKS.--Water-quality records for April 1983 are available in files of Memphis district office.
PERIOD OF RECORD.--May 1983 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.44 ft below land surface, May 31, 1983; lowest, 35.84 ft below land surface, Sept. 20, 1983.

351349090062800--Continued

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5								---	21.09	27.93	31.68	---
10								---	23.93	28.07	32.11	---
15								20.72	26.10	28.68	32.65	35.55
20								20.90	26.93	29.55	33.05	35.84
25								20.88	26.97	30.10	33.57	35.76
EOM								20.44	27.70	30.65	---	35.49

WTR YR 1983 MAX 20.44 MAY 31, 1983 MIN 35.84 SPET. 20, 1983

CROSS COUNTY

351542090332002. Local number, 07N05E03BCD2.
LOCATION.--Lat 35°15'42", long 90°33'20", Hydrologic Unit 08020203, (city well No. 2).
Owner: Parkin Water Company.
AQUIFER.--Sand, Memphis Aquifer of the Claiborne group of Eocene age.
DATUM.--Land surface, 211 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe south side of pump, 1.00 ft 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 below land surface, Mar. 26, 1974; lowest, 30.66 ft below land surface, Mar. 17, 1983.
MEASUREMENT FOR CURRENT YEAR.--Mar. 17, 1983, 30.66 ft 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, depth 462 ft.
DATUM.--Land surface, 206 ft 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 the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 1,148 ft, cased 0-1,038 ft, screened 1,038-1,148 ft.
DATUM.--Land surface, 429 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in pipe in pump base, 2.50 ft 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 below land surface, Mar. 22, 1976; lowest, 258.50 ft below land surface, Apr. 8, 1982.
MEASUREMENT FOR CURRENT YEAR.--Mar. 17, 1983, 255.61 ft 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 the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-10 in, depth 800 ft, cased 730 ft, screened 730-800 ft.
DATUM.--Land surface, 253 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening in north side of pump, 3.00 ft 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 below land surface, Apr. 4, 1968; lowest, 83.20 ft below land surface, Mar. 26, 1980.
MEASUREMENT FOR CURRENT YEAR.--Mar. 17, 1983, 79.05 ft 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, depth 196 ft.
DATUM.--Land surface, 222 ft National Geodetic Vertical Datum of 1929. Measuring point: Plug hole in pump base, 1.90 ft 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 below land surface, Sept. 16, 1975; lowest, 46.94 ft below land surface, Jan. 14, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 17, 1983, 43.72 ft 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.
DATUM.--Land surface, 225 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of pit casing, north side, 0.90 ft 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 below land surface, June 19, 1957; lowest, 57.46 ft below land surface, Apr. 8, 1982.
MEASUREMENT FOR CURRENT YEAR.--Mar. 17, 1983, 57.05 ft 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, depth 888 ft.
DATUM.--Land surface, 272 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe in concrete base, 0.50 ft 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 below land surface, May 8, 1950; lowest, 140.19 ft below land surface, Apr. 10, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 31, 1983, 141.08 ft 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, depth 754 ft, cased 0-679 ft, screened 679-754 ft.
DATUM.--Land surface, 139 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft 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 below land surface, July 27, 1952; lowest, 48.03 ft below land surface, Mar. 22, 1983.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1983, 48.03 ft 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, depth 97 ft, cased 0-94 ft, screened 94-97 ft.
DATUM.--Land surface, 149.27 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.71 ft 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 below land surface, Feb. 17, 1959; lowest, 23.27 ft below land surface, Aug. 31, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.93	---	17.86	15.54	14.97	13.76	---	12.50	14.52	15.95	19.91	21.91
10	20.74	---	17.89	15.45	14.33	13.50	---	12.38	15.22	17.00	20.43	21.94
15	20.57	---	17.17	15.51	14.13	13.51	12.63	12.43	16.98	17.78	20.80	21.93
20	20.42	20.15	16.83	15.52	14.12	13.49	12.68	12.46	16.89	18.40	21.19	21.87
25	20.29	19.95	16.75	15.41	14.01	---	12.65	11.68	16.11	18.97	21.51	21.73
EOM	---	18.65	15.45	15.28	13.98	---	12.58	12.84	16.69	19.60	21.74	21.53

WTR YR 1983 MAX 11.61 MAY 26-27, 1983 MIN 21.94 SEPT. 8-14, 1983

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, depth 102 ft, screened 70-102 ft.
DATUM.--Land surface, 161.75 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft 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 below land surface, May 8, 1958; lowest, 23.12 ft below land surface, Mar. 21, 1983.
MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1983, 23.12 below land surface.

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, depth 760 ft, cased 0-680 ft, screened 680-760 ft.
DATUM.--Land surface, 125 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, south side, 2.00 ft 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 below land surface, June 12, 1962; lowest, 51.27 ft below land surface, Mar. 23, 1983.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1983, 51.27 ft 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, depth 153 ft, cased 0-93 ft, screened 93-153 ft.
DATUM.--Land surface, 185 ft National Geodetic Vertical Datum of 1929. Measuring point: Plug in pump, south side, 2.00 ft 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 below land surface, May 6, 1965; lowest, 36.03 ft below land surface, Apr. 7, 1977.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1983, 34.86 ft 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, depth 864 ft, cased 0-824 ft, screened 824-864 ft.
DATUM.--Land surface, 203 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in south side of pump base, 1.50 ft 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 below land surface, March 27, 1964; lowest, 130.73 ft below land surface, Mar. 23, 1983.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1983, 130.73 ft 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.
DATUM.--Land surface, 660 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for January 1969, April 1975, and June 1982 are available in files of district office.

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, depth 1,282 ft.
DATUM.--Land surface, 660 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in plate on top of casing, 2.00 ft above land surface.
PERIOD OF RECORD.--February 1966 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.24 ft below land surface, Apr. 18, 1979; lowest, 50.73 ft below land surface, Nov. 21, 1974.
MEASUREMENT FOR CURRENT YEAR.--Mar. 31, 1983, 18.28 ft 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, depth 950 ft.
DATUM.--Land surface, 860 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing under cover plate, 2.50 ft above land surface.
REMARKS.--Water-quality records for June 1982 are in files of district office.
PERIOD OF RECORD.--July 1978, April 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.60 ft below land surface, July 24, 1978; lowest, 110.38 ft below land surface, Apr. 10, 1982.
MEASUREMENT FOR CURRENT YEAR.--Mar. 31, 1983, 109.97 ft below land surface.

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, depth 507 ft, screened 467-507 ft.
DATUM.--Land surface, 285 ft National Geodetic Vertical Datum of 1929. Measuring point: Pipe in east side of pump base, 1.00 ft 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 below land surface, Apr. 13, 1967; lowest, 109.95 ft below land surface, Mar. 25, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1983, 99.26 ft 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, depth 194 ft.
DATUM.--Land surface, 255 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in pump base, north side, 1.00 ft above land surface.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.21 ft below land surface, Mar. 10, 1958; lowest, 40.01 ft below land surface, July 22, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1983, 32.32 ft 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, depth 1,156 ft.
DATUM.--Land surface, 355 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump base, 1.50 ft above land surface.
REMARKS.--Water-quality records for June 1972, January 1977, and June 1982 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 below land surface, Apr. 14, 1972; lowest, 189.88 ft below land surface, Mar. 31, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1983, 180.72 ft below land surface.

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, depth 1,200 ft.
DATUM.--Land surface, 355 ft National Geodetic Vertical Datum of 1929. Measuring point: 2-in pipe in south side of concrete base, 0.80 ft above land surface.
PERIOD OF RECORD.--April 1971 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.44 ft below land surface, Apr. 5, 1971; lowest, 200.45 ft below land surface, Mar. 28, 1979.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1983, 179.94 ft 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, depth 90 ft, cased 0-60 ft, screened 60-90 ft.
DATUM.--Land surface, 223 ft 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 below land surface, Mar. 20, 1979; lowest, 28.25 ft below land surface, Sept. 21, 1959.
MEASUREMENT FOR CURRENT YEAR.--Mar. 31, 1983, 15.49 ft 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, depth 160 ft, cased 0-120 ft, screened 120-160 ft.
DATUM.--Land surface, 202.31 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/2-in pipe on south side of pump base, 1.00 ft above land surface.
PERIOD OF RECORD.--April 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.88 ft below land surface, Apr. 5, 1962; lowest, 21.09 ft below land surface, July 9, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1983, 14.29 ft 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, depth 1,106 ft, cased 0-1,017 ft, 1,033-1,053 ft, 1,068-1,090 ft, screened 1,017-1,033 ft, 1,053-1,068 ft, 1,090-1,106 ft.
DATUM.--Land surface, 202.42 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land surface.
PERIOD OF RECORD.--August 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 108.98 ft below land surface, Sept. 4, 1958; lowest, 244.65 ft below land surface, Feb. 24, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Oct. 19	235.55	Jan. 26	229.95	Mar. 21	230.70	June 22	231.40	Aug. 24	235.90
Nov. 24	230.00	Feb. 23	232.45	Apr. 21	230.10	July 20	226.40	Sept. 20	236.80
Dec. 21	236.15			May 25	229.90				

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, depth 906 ft.
DATUM.--Land surface, 234.34 ft 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 below land surface, Oct. 17, 1956; lowest, 255.90 ft below land surface, Mar. 22, 1982.
MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1983, 246.36 ft 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, depth 963 ft, cased 0-783 ft, screened 783-863 ft.
DATUM.--Land surface, 231 ft 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.

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
JUN 24...	0830	6	1028	80010	149	6.6	25.0	10	26	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
JUN 24...	0830	0	7.7	1.6	18	54	2	6.3	79	3.3

DATE	TIME	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)	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)
JUN 24...	0830	2.1	.20	20	87	110	.12	<.100	.220	.00

341147092022301--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	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, 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 24...	0830	.20	.030	.09	40	2100	2200	60	0	81

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, depth 809 ft.
DATUM.--Land surface, 204.67 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land surface.
PERIOD OF RECORD.--September 1956 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.73 ft below land surface, May 23, 1957; lowest, 271.59 ft below land surface, Mar. 24, 1981.
MEASUREMENTS FOR CURRENT YEAR.--Mar. 21, 1983, 254.78 ft 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, depth 101 ft, cased 0-71 ft, screened 71-101 ft.
DATUM.--Land surface, 203 ft National Geodetic Vertical Datum of 1929. Measuring point: Top end of discharge pipe, 7.00 ft above land surface.
PERIOD OF RECORD.--October 1949 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.05 ft below land surface, Feb. 27, 1952; lowest, 37.41 ft below land surface, Mar. 22, 1982.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1983, 37.31 ft 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, depth 63 ft, cased 0-43 ft, screened 43-63 ft.
DATUM.--Land surface, 216 ft National Geodetic Vertical Datum of 1929. Measuring point: Top end of discharge pipe, 2.00 ft above land surface.
PERIOD OF RECORD.--March 1955 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.53 ft below land surface, Apr. 1, 1959; lowest, 17.67 ft below land surface, Nov. 29, 1978.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 12, 1983, 13.53 ft 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, depth 355 ft.
DATUM.--Land surface, 293.50 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land surface.
PERIOD OF RECORD.--June 1952 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.75 ft below land surface, Mar. 31, 1953; lowest, 88.90 ft below land surface, Oct. 1, 1963.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 12, 1983, 67.62 ft below land surface.

LEE COUNTY

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, depth 1,885 ft, cased 0-1,865 ft, screened 1,865-1,885 ft.
DATUM.--Land surface, 204 ft National Geodetic Vertical Datum of 1929. Measuring point: 1/4-in plug in pipe cap, 3.50 ft 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 below land surface, Apr. 10, 1967; lowest, 27.48 ft below land surface, Mar. 15, 1983.
MEASUREMENT FOR CURRENT YEAR.--Mar. 15, 1983, 27.48 ft below land surface.

LEE COUNTY--Continued

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, depth 168 ft.
DATUM.--Land surface, 236.43 ft National Geodetic Vertical Datum of 1929. Measuring point: Small pipe in west side of pump base, 2.00 ft above land surface.
PERIOD OF RECORD.--March 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.16 ft below land surface, Apr. 17, 1961; lowest, 49.67 ft below land surface, Nov. 15, 1966.
MEASUREMENT FOR CURRENT YEAR.--Mar. 14, 1983, 40.50 ft 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, depth 95 ft, cased 0-65 ft screened, 65-95 ft.
DATUM.--Land surface, 327 ft 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, depth 98 ft, cased 0-58 ft, screened 58-98 ft.
DATUM.--Land surface, 330 ft 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 below land surface, Dec. 2, 1958; lowest, 48.16 ft below land surface, Mar. 24, 1976.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1983, 24.00 ft below land surface.

333851094254201. Local number 13S32W09CCC1.
LOCATION.--Lat 33°38'51", long 94°25'42", Hydrologic Unit 11140106, near Foreman.
Owner: W. L. Matteson.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 4 in, depth 52 ft, cased 0-42 ft, screened 45-52 ft.
DATUM.--Land surface, 313 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land surface.
PERIOD OF RECORD.--April 1980 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.87 ft below land surface, Mar. 29, 1983; lowest, 5.47 ft below land surface, Mar. 24, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1983, 3.87 ft 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, depth 135 ft.
DATUM.--Land surface, 245 ft 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 below land surface, Mar. 24, 1969; lowest, 114.37 ft below land surface, Sept. 5-6, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	108.15	107.86	107.24	106.94	107.69	106.44	108.26	107.54	107.07	108.89	111.73	114.35
10	108.13	107.63	107.26	106.53	107.78	107.35	108.46	107.57	108.24	109.24	111.61	114.22
15	107.92	107.80	106.95	106.94	107.81	108.09	108.95	107.18	108.19	109.61	111.19	113.74
20	107.99	107.32	106.91	106.57	107.62	108.69	108.73	107.19	108.19	109.89	111.75	112.60
25	107.77	107.75	106.96	107.58	107.70	108.24	108.02	107.37	108.67	110.76	112.71	112.03
EOM	107.56	107.09	107.18	107.04	107.28	107.45	107.72	107.34	108.97	111.76	113.76	111.58

WTR YR 1983 MAX 106.38 MAR. 5, 1983 MIN 114.37 SEPT. 5-6, 1983

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, depth 128 ft.
DATUM.--Land surface, 255 ft 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 below land surface, Mar. 28, 1937; lowest, 106.82 ft below land surface, May 10, 1982.
MEASUREMENT FOR CURRENT YEAR.--Apr. 29, 1983, 97.45 ft 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, depth 41 ft.
DATUM.--Land surface, 230 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft 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 below land surface, August 21, 1970; lowest, 13.98 ft below land surface, April 14, 1972.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 12, 1983, 7.38 ft 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, depth 94 ft, cased 0-84 ft, screened 84-94 ft.
DATUM.--Land surface, 235 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, north side, 0.50 ft 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 below land surface, May 14, 1958; lowest, 14.18 ft below land surface, Mar. 23, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1983, 12.19 ft 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, depth 101 ft, cased 0-51 ft, screened 51-101 ft.
DATUM.--Land surface, 236 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft 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 below land surface, Dec. 11, 1957; lowest, 15.86 ft below land surface, Nov. 18, 1964.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1983, 12.42 ft 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, depth 1,083 ft, cased 0-1,000 ft, screened 1,000-1,083 ft.
DATUM.--Land surface, 236 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of outer casing, 1.00 ft 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 below land surface, Nov. 5, 1958; lowest, 10.18 ft below land surface, June 10, 1967.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1983, 9.28 ft 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, depth 1,400 ft, cased 0-1,337 ft, sreened 1,337 -1,400 ft.
DATUM.--Land surface, 250 ft National Geodetic Vertical Datum of 1929. Measuring point: remove pressure gage, 2.00 ft above land surface.
REMARKS.--Water-quality records for June 1956, June 1970, April 1975, and June 1982 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 below land surface, Apr. 11, 1968; lowest, 19.89 ft below land surface, Apr. 14, 1972.

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, depth 108 ft.
DATUM.--Land surface, 185 ft National Geodetic Vertical Datum of 1929. Measuring point: Cut out in casing, north side, 1.00 ft 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 below land surface, Apr. 16, 1962; lowest, 24.60 ft below land surface, Nov. 16, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 14, 1983, 23.32 ft 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, depth 1,052 ft, cased 0-1,002 ft, screened 1,002-1,052 ft.
DATUM.--Land surface, 305 ft National Geodetic Vertical Datum of 1929. Measuring point: 2-in plug in concrete base, 2.00 ft 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 below land surface, Mar. 23, 1972; lowest, 170.33 ft below land surface, Mar. 31, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1983, 151.29 ft below land surface.

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	MEDIUM	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (UMHOS) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS NONCARBONATE (MG/L AS CACO3) (95902)
JUN 23...	1030	6	1028	80010	2030	8.4	31.0	15	13	0

DATE	TIME	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
JUN 23...	1030	0	4.1	.75	410	98	51	2.4	370	160

DATE	TIME	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)	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)
JUN 23...	1030	310	2.8	12	1150	1100	1.6	<.100	.200	.00

DATE	TIME	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, 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...	1030	.20	.210	.64	5000	120	<3	10	4	6

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, depth 232 ft, cased 0-172 ft, screened 172-232 ft.
DATUM.--Land surface, 306 ft National Geodetic Vertical Datum of 1929. Measuring point: 1-in pipe on northeast side of concrete base, 1.70 ft 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 below land surface, Mar. 27, 1980; lowest, 138.42 ft below land surface, Apr. 9, 1974.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1983, 116.85 ft 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, depth 120 ft, cased 0-117 ft, screened 117-120 ft.
DATUM.--Land surface, 235 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.60 ft 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 below land surface, Mar. 31, 1975; lowest, 53.20 ft below land surface, Oct. 1, 1970.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1983, 45.04 ft 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, depth 300 ft.
DATUM.--Land surface, 159 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft above land surface.
PERIOD OF RECORD.--October 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.48 ft below land surface, May 15, 1962; lowest, 30.27 ft below land surface, Apr. 5, 1968.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1983, 26.36 ft 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, depth 130 ft.
DATUM.--Land surface, 156 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in northeast side of pump, 1.50 ft above land surface.
PERIOD OF RECORD.--April 1961 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.00 ft below land surface, Apr. 17, 1961; lowest, 22.53 ft below land surface, Nov. 16, 1965.
MEASUREMENT FOR CURRENT YEAR.--Mar. 15, 1983, 16.54 ft 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, depth 377 ft, cased 0-298 ft, screened 298-358 ft.
DATUM.--Land surface, 179 ft National Geodetic Vertical Datum of 1929.
REMARKS.--This well replaced 02S05E29CCC1 for quality-water records. Water-quality records for June 1982 are available in files of district office.

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, depth 308 ft, cased 0-278 ft, screened 278-308 ft.
DATUM.--Land surface, 179 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft 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, 23.17 ft below land surface, May 22, 1983; lowest, 98.13 ft below land surface, July 13, 1969.

342856090363601--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	32.41	32.14	34.00	28.20	28.60	31.16	27.76	25.57	24.56	28.22	31.32	35.63
10	32.90	33.80	32.00	28.52	29.71	28.88	26.47	25.35	25.66	29.15	32.09	35.59
15	32.00	32.05	32.61	28.57	31.23	29.77	28.96	25.00	27.02	29.35	33.04	35.49
20	31.98	33.17	30.37	29.03	29.73	28.03	28.12	23.58	27.12	29.52	33.46	36.03
25	31.31	31.65	31.26	29.71	29.21	27.05	24.89	23.86	27.45	31.48	34.93	34.54
EOM	31.76	34.09	29.42	28.87	29.06	28.45	26.25	23.99	28.24	32.02	35.58	35.76

WTR YR 1983 MAX 23.17 MAY 22, 1983 MIN 37.13 NOV. 8-9, 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, depth 112 ft.
DATUM.--Land surface, 147 ft 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 below land surface, Apr. 25, 1973; lowest, 17.44 ft below land surface, Aug. 11, 1982, and Sept. 9, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.66	14.69	13.32	9.46	10.73		---	8.97	8.77	14.03	15.36	15.94
10	14.42	14.71	13.01	9.56	10.13		---	9.70	13.17	13.44	15.64	16.89
15	14.34	14.78	12.17	10.25	9.14		8.86	8.88	13.84	14.45	14.73	16.08
20	14.45	14.73	11.49	10.71	9.20		9.21	7.24	13.35	13.06	15.54	15.74
25	14.53	14.44	11.16	11.34	---		8.46	7.09	12.17	13.80	16.90	15.47
EOM	14.60	14.08	9.07	11.52	---		8.94	8.28	11.11	13.81	17.14	15.37

WTR YR 1983 MAX 6.64 MAY 22, 1983 MIN 17.44 SEPT. 9, 1983

POINSETT COUNTY

352930090582501. Local number, 10N01E15DBB1.
LOCATION.--Lat 35°29'30", long 90°58'25", Hydrologic Unit 08020205, at Fisher.
Owner: City of Fisher.
AQUIFER.--Sand, Memphis aquifer of the Claiborne group of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 6 in, depth 302 ft, cased 0-260 ft, screened 260-302 ft.
DATUM.--Land surface, 232 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening south, side of pump, 1.80 ft above land surface.
REMARKS.--Water-quality records for June 1970, March 1975, and June 1982, 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 below land surface, Apr. 8, 1968; lowest, 68.69 ft below land surface, Mar. 22, 1983.
MEASUREMEMT FOR CURRENT YEAR.--Mar. 22, 1983, 68.69 ft below land surface.

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, depth 632 ft, cased 0-545 ft, screened 545-632 ft.
DATUM.--Land surface, 220 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 1.00 ft 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 below land surface, Apr. 29, 1938; lowest 135.32 ft below land surface, Mar. 27, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1983, 130.63 ft 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, depth 314 ft, cased 0-254 ft, screened 254-314 ft.
DATUM.--Land surface, 235 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 2.00 ft 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 below land surface, Mar. 20, 1963; lowest, 114.67 ft below land surface, May 22, 1967.
MEASUREMENT FOR CURRENT YEAR.--Mar. 25, 1983, 104.08 ft 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.
DATUM.--Land surface, 212 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 0.50 ft above land surface.
PERIOD OF RECORD.--December 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.-Highest water level measured, 47.73 ft below land surface, Apr. 2, 1968; lowest, 63.13 ft below land surface, Mar. 29, 1983.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1983, 63.13 ft 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, depth 151 ft.
DATUM.--Land surface, 210 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in southwest side of pump base, 3.00 ft 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 below land surface, June 29, 1961; lowest, 31.88 ft below land surface, Mar. 23, 1983.
MEASUREMENT FOR CURRENT YEAR.--Mar. 23, 1983, 31.88 ft 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, depth 110 ft.
DATUM.--Land surface, 200 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 1.70 ft 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 below land surface, Mar. 31, 1975; lowest, 26.13 ft below land surface, Mar. 18, 1966.
MEASUREMENT FOR CURRENT YEAR.--Mar. 15, 1983, 23.16 ft below land surface.

SEVIER COUNTY

335808094100101. Local number, 09S30W23BDD1.
LOCATION.--Lat 33°58'08", long 94°10'01", Hydrologic Unit 11140109, at Lockesburg (city well No. 1).
Owner: City of Lockesburg.
AQUIFER.--Trinity Group of Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 197 ft.
DATUM.--Land surface, 440 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land surface.
PERIOD OF RECORD.--November 1958 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.17 ft below land surface, Apr. 17, 1968; lowest, 81.76 ft below land surface, Apr. 5, 1978.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1983, 75.03 ft 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, depth 195 ft, screened 175-195 ft.
DATUM.--Land surface, 440 ft National Geodetic Vertical Datum of 1929.
REMARKS.--Water-quality records for June 1972, February 1977, and June 1982 are available in files of district office.

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, depth 601 ft, cased 0-546 ft, screened 546-601 ft.
DATUM.--Land surface, 175 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in pipe, south side of pump base, 1.50 ft above land surface.
PERIOD OF RECORD.--November 1967 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 182.33 ft below land surface, Nov. 11, 1967; lowest, 213.58 ft below land surface, Mar. 30, 1978.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 5, 1983, 210.16 ft 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, depth 770 ft, cased 0-700 ft, screened 700-770 ft.
DATUM.--Land surface, 98 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, north side, 1.50 ft 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 below land surface, May 10, 1966; lowest, 90.42 ft below land surface, April 1, 1982.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 5, 1983, 85.88 ft 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, depth 615 ft, cased 0-493 ft, screened 493-615 ft.
DATUM.--Land surface, 205 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 2.00 ft 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 below land surface, Apr. 10, 1973; lowest, 367.38 ft below land surface, Mar. 21, 1980.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 6, 1983, 362.32 ft 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, depth 540 ft, cased 0-520 ft, screened 520-540 ft.
DATUM.-Land surface, 182.93 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land surface.
PERIOD OF RECORD.--July 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 269.70 ft below land surface, Apr. 20, 1956; lowest, 357.51 ft below land surface, July 30, 1966.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUE

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	339.24	335.34	330.14	329.42	326.75	326.29	325.53	325.32	326.59	328.10	336.01	336.81
10	337.47	335.34	329.96	328.78	326.23	325.66	325.71	326.01	326.94	330.20	335.34	337.38
15	336.10	335.34	330.30	328.77	325.93	324.72	325.38	326.17	327.87	332.22	335.34	336.40
20	335.34	335.34	330.66	328.36	326.12	324.63	325.34	325.68	327.81	331.96	335.34	335.88
25	335.34	335.34	330.35	327.76	326.12	324.64	324.64	325.89	328.84	331.45	336.70	335.34
EOM	335.34	335.34	330.00	326.98	326.26	324.70	325.06	326.15	327.91	334.01	338.25	335.34

WTR YR 1983 MAX 324.47 MAR. 21-22, 1983 MIN 339.76 OCT. 1-19, 1982

330855092505601. Local number 18S17W22BDD1.
LOCATION.--Lat 33°08'55", long 92°50'56', Hydrologic Unit 08040206, near Shuler.
Owner: H. G. McKennon.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 705 ft, cased 0-605 ft, screened 605-705 ft.
DATUM.--Land surface, 285 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.20 ft above land surface.
PERIOD OF RECORD.--April 1968 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 315.37 ft below land surface, Apr. 3, 1968; lowest, 341.62 ft below land surface, Oct. 6, 1982.

330855092505601--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	341.58	341.28	340.20	339.77	339.05	338.36	338.06	337.42	337.54	338.27	339.21	340.07
10	341.49	341.18	340.27	339.52	338.88	338.62	337.99	337.46	337.75	338.43	339.32	340.32
15	341.47	341.16	339.99	339.52	338.89	338.46	337.93	337.42	337.82	338.53	339.44	340.43
20	341.46	340.74	339.97	339.30	338.80	338.40	337.74	337.42	337.93	338.69	339.64	340.50
25	341.44	340.76	339.86	339.31	338.74	338.44	337.60	337.46	337.97	338.79	339.83	340.71
EOM	341.21	340.39	339.84	339.16	338.66	338.26	337.44	337.49	338.09	339.02	339.94	340.80

WTR YR 1983 MAX 337.27 MAY 21, 1983 MIN 341.62 OCT. 6, 1982

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, depth 110 ft, cased 0-80 ft, screened 80-110 ft.
DATUM.--Land surface, 212 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of casing, 1.00 ft above land surface.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.07 ft below land surface, Dec. 10, 1959; lowest, 22.94 ft below land surface, Sept. 26, 1963.
MEASUREMENT FOR CURRENT YEAR.--Mar. 22, 1983, 20.99 ft below land surface.

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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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