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Water Resources Data Arkansas Water Year 1985



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Prepared in cooperation with the Arkansas Department of Pollution Control and Ecology; Arkansas Geological Commission; Arkansas Soil and Water Conservation Commission; Arkansas State State Highway and Transportation Department and with other State and Federal agencies

CALENDAR FOR WATER YEAR 1985

1984

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Water Resources Data Arkansas Water Year 1985

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



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AR-85-1
Prepared in cooperation with the Arkansas Department of Pollution Control and Ecology; Arkansas Geological Commission; Arkansas Soil and Water Conservation Commission; Arkansas Highway and Transportation Department; and with other State and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

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U.S. Geological Survey
2301 Federal Office Building
Little Rock, Arkansas 72201-3287

1986

PREFACE

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

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

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16. Abstract (Limit: 200 words)

Water resources data for the 1985 water year for Arkansas consists of records of discharge, and water quality of streams; water quality of lakes; water levels and water quality of observation wells. This report contains discharge records for 45 regular surface-water stations; water-quality data for 158 regular water-quality stations, 73 partial-record water-quality stations, 5 observation wells, and 1 precipitation station; water-level measurements for 98 observation wells. Also included are data for 82 crest-stage partial-record surface-water 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 collected by the U.S. Geological Survey and cooperating State and Federal agencies in Arkansas.

17. Document Analysis a. Descriptors

*Arkansas, *Hydrologic data, *Surface water, *Ground water, *Water quality, flow rate, Gaging stations, Lakes, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses.

b. Identifiers/Open-Ended Terms

c. COSATI Field/Group

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[Letters after station name designate type of data: (d) discharge, (c) chemical, (b) biological, (m) microbiological, (t) water temperature, (s) sediment, (e) evaluation, gage heights, or contents]

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WATER RESOURCES DATA FOR ARKANSAS, 1985

INTRODUCTION

Water resources data for the 1985 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 45 gaging stations; water quality for 158 stations, 73 partial-record stations, 5 observation wells, and 1 precipitation station, and water levels for 98 observation wells. Also included are data for 82 crest-stage partialrecord 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-85-1." 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 Soil and Water Conservation Commission, J. Randy Young, 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 average for the 1985 water year due to above average rainfall over most of the State. Although no outstanding floods occurred during the year, record rainfall for the month of October was recorded at several stations. At Jessieville, in central Arkansas, 22.66 inches of rain was recorded which was more than five times the normal for October. The mean discharge for the month of October at the index station on the Saline River near Rye, which is representative of south Arkansas, was nearly sixty times the median of the October mean discharges for a 30-year base period. For the 1985 water year, runoff at the Rye station was 192 percent of the median for the base period 1951-80. Runoff at the index station on the Buffalo River near St. Joe, which is representative of north Arkansas, was 198 percent of the median for the 30-year base period 1951-80.

Monthly and annual mean discharges for the 1985 water year, and the median for the monthly and annual mean discharges for the period 1951-80 at St. Joe and Rye, are shown in figure 1.

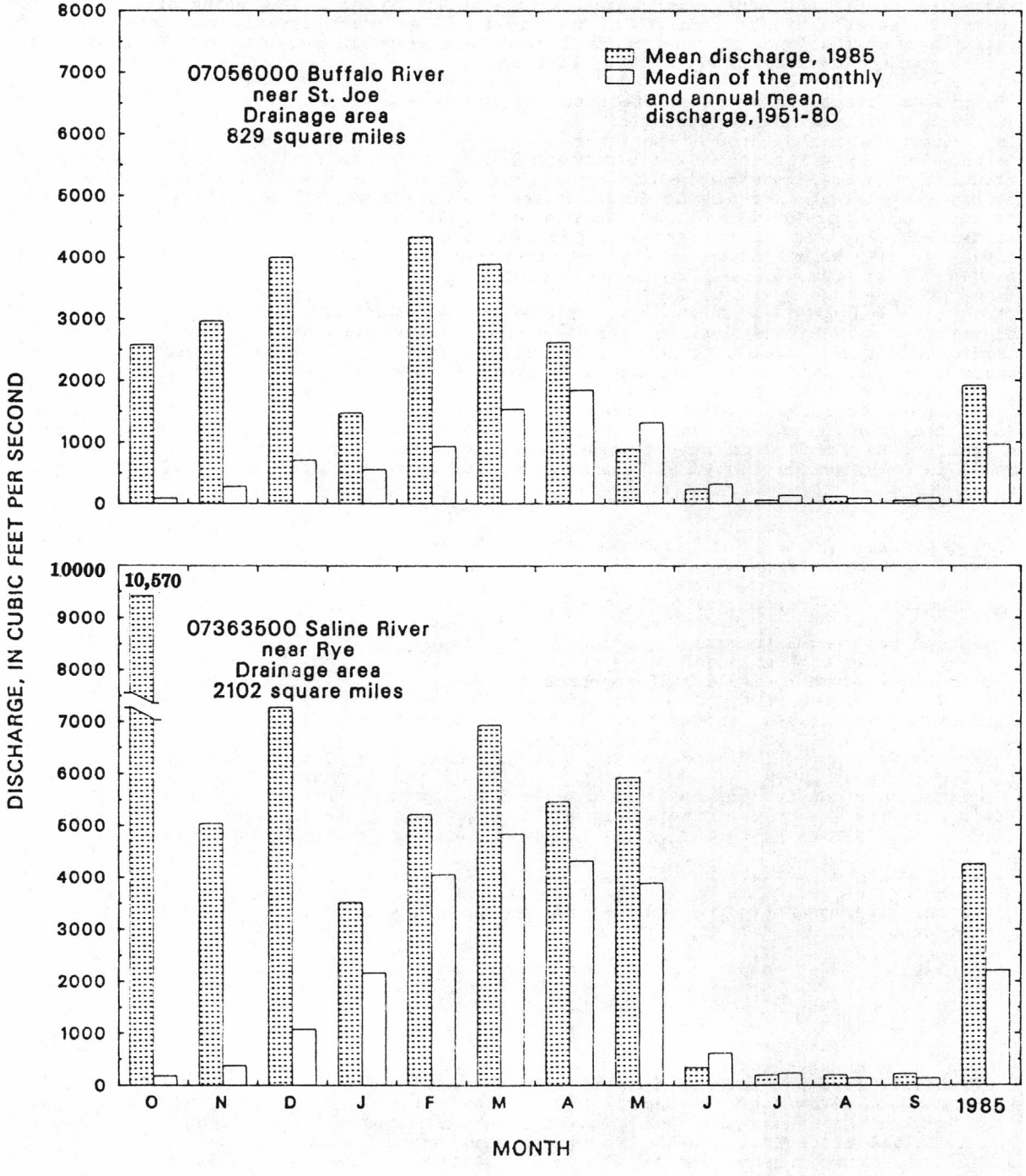


Figure 1.--Comparison of discharge at two representative long-term gaging stations for the 1985 water year with the median of the monthly and annual mean discharges for a 30-year base period.

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 Delta Region of the state is particularly susceptible to non-point source effects due both to extensive farming and current farming practices.

The Ozark Highlands Region, with its rapid population growth, 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 related to oil and gas production.

Although the Arkansas River and other streams in the Arkansas River Valley Region are affected by pollution sources, they continue to be considered as a source of water for public supply and irrigation. Many of the small streams continue to show affects of coal mining. Seepage from naturally occurring salt deposits in Kansas and Oklahoma, which increase the salinity of the Arkansas River, may render the river unsuitable for some uses during certain low flow periods. Municipal and industrial discharges to the river also may affect its potability, however, storage effects of the Arkansas River Navigation System and tributary dams 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 1985 water year are compared to concentrations for the period of record to indicate changes in water quality.

The highest dissolved-solids concentration found in the major streams in 1985 was 594 mg/L in the Red River at Index. This concentration is considered normal for this station. The Arkansas River at David D. Terry Lock and Dam had a dissolved-solids concentration that was less than the minimum for the previous period of record. Dissolved-solids concentrations, in milligrams per liter, are shown in the following table:

	1985		Period of Record through 1984	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	205	289	153	339
St. Francis Bay at Riverfront	83	158	55	290
Cache River at Patterson	--	--	41	242
White River at Clarendon	109	151	38	349
Arkansas River at David D. Terry Lock and Dam below Little Rock (includes data for Arkansas River at Little Rock prior to Lock and Dam construction)	86	378	92	2400
Red River at Index	395	594	157	1260
Ouachita River at Camden	47	68	30	193

The highest dissolved-chloride concentration found in 1985 was 160 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. The Arkansas River at David D. Terry Lock and Dam had a dissolved-chloride concentration that was below the minimum for the previous period of record. Dissolved-chloride concentrations, in milligram per liter, are shown in the following table:

	1985		Period of Record through 1984	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	16	19	7.9	30
St. Francis Bay at Riverfront	3.4	6.5	0.1	13
Cache River at Patterson	4.3	10	1.7	20
White River at Clarendon	2.8	3.8	.8	70
Arkansas River at David D. Terry Lock and Dam below Little Rock (includes data for Arkansas River at Little Rock prior to Lock and Dam construction)	11	110	13	1240
Red River at Index	84	160	23	405
Ouachita River at Camden	5.0	13	3.1	79

The highest fecal-coliform concentration found in 1985 was 4,700 colonies per 100 mL in the in the Mississippi River at Memphis, Tennessee. Fecal-coliform concentrations, in colonies per 100 milliliters, are shown in the table on the following page.

	1985		Period of record through 1984	
	Minimum	Maximum	Minimim	Maximum
Mississippi River at Memphis, Tennessee	193	4,700	20	16,000
St. Francis Bay at Riverfront	22	460	8	4,600
Cache River at Patterson	11	670	5	1,700
White River at Clarendon	6	56	2	12,000
Arkansas River at David D. Terry Lock and Dam below Little Rock (includes data for Arkansas River at Little Rock prior to Lock and Dam construction)	28	1,300	1	51,000
Red River at Index	16	660	3	5,000
Ouachita River at Camden	9	35	2	1,400

The highest suspended-sediment concentration found in 1985 was 678 mg/L in the Red River at Index. The Cache River at Patterson and also the Ouachita River at Camden had suspended-sediment concentrations that were below the minimum for the period of record. Suspended-sediment concentrations, in milligrams per liter, are shown in the following table:

	1985		Period of record through 1984	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	82	208	24	740
St. Francis Bay at Riverfront	35	240	21	959
Cache River at Patterson	23	185	52	220
White River at Clarendon	24	98	8	337
Arkansas River at David D. Terry Lock and Dam below Little Rock (includes data for Arkansas River at Little Rock prior to Lock and Dam construction	3	47	2	644
Red River at Index	26	678	16	8,820
Ouachita River at Camden	17	77	18	639

Ground-Water Levels

Ground-water levels in the Quaternary deposits in 14 counties west of Crowleys Ridge in the Cache and L'Anguille River basins in northeastern Arkansas rose slightly from the previous year. Water levels are as much as 116 feet below land surface in Arkansas County. This is 1.2 feet lower than last year. Water levels in the alluvium west of Crowleys Ridge in Poinsett and Cross Counties rose slightly 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 is as much as 97 feet deep which is about 95 feet above sea level in Arkansas and Prairie Counties.

Water levels in the Sparta Sand of Tertiary age rose about 1/2 foot in the Grand Prairie from the previous year and rose about 3/4 foot in the El Dorado area. Water levels at Magnolia declined slightly from the previous year. Water levels in the industrial areas near Pine Bluff declined about 3/4 foot. Elsewhere in the State, water levels in the Sparta Sand or Memphis Sand aquifer rose about 3/4 foot from the previous year. At El Dorado large withdrawals of water for municipal and industrial use are responsible for the long-term water level declines. Water levels in the deepest parts of the cones of depression at El Dorado and Magnolia are at an altitude of 167 and 27 feet below sea level, respectively. Water levels are more than 440 feet below land surface in places near El Dorado. At Pine Bluff, water levels in places are at an altitude of 43 feet below sea level or approximately 264 feet below land surface.

Ground-Water Quality

In an attempt to detect long-term changes in ground-water quality, a network of 25 monitoring wells has been established. Those monitoring wells were selected to use for sampling ground water from all major aquifers. Two or more wells are sampled from large aquifers such as the Quaternary and Sparta. Water samples are collected from all monitoring wells at 5-year intervals. Sampling schedules are staggered so that five or six wells are usually sampled each year. In 1985, no wells in the network were sampled due to monetary restraints. Chemical analysis for water from various wells sampled as part of ongoing project work, are located in the "Quality of Ground Water" section 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 ($CaCO_3$).

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 below. 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 aquaticfood web. The zooplankton community is dominated by small crustaceans and rotifers.

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 microsiemens 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 microsiemens). 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.

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)

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.

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

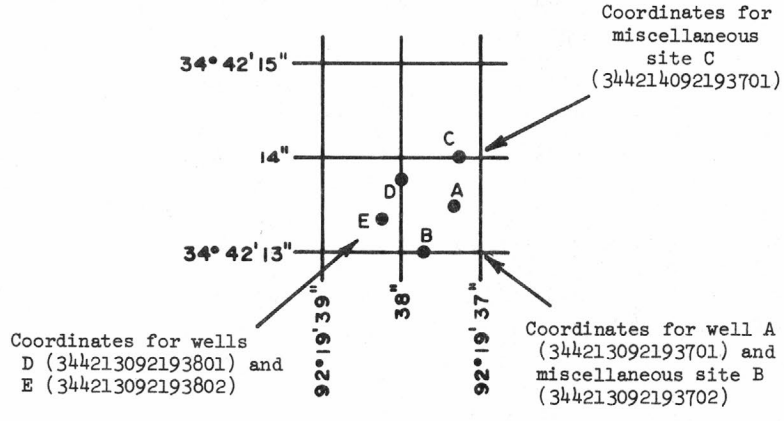
Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream 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 downstream order 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." This six-digit number can be expanded to 12 digits if necessary because of station density.

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

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 diagram 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.

National trends network is a long-term monitoring network of the chemistry of wet deposition. Approximately 150 sites representing broad regional characteristics comprise the network.

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

Daily discharge records were computed and included in this report for 45 stations in Arkansas in 1985. The locations of these stations are shown in figures 2 and 3, pages 22 and 23.

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 2175, 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), stepbackwater 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 gageheight 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 water-discharge records for these stations. One hundred and fifty-eight stations are included for 1985. The location of these stations are shown in figures 4 and 5, pages 24 and 25.

The descriptive heading for surface-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

The column heading "SAMPLE SOURCE" in the water-quality tables of this report designates the location from which the sample was taken. In this report, two locations are shown; location of the main channel is designated by a 67 sample-source code, and the location of the overbank is designated by a 68 sample-source code.

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 pages 18 and 19.

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	105
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 waterlevel fluctuations in the State's most productive aquifers.

Data are included for 98 wells in Arkansas (fig. 6, page 493). Thirteen 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 11.

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.

Water-level measurements in this report are given in feet with reference to either National Geodetic Vertical Datum of 1929 (NGVD) or land-surface datum (lsd). National Geodetic Vertical Datum is the datum plane on which the national network of precise levels is based. Land-surface datum is the elevation of the land surface, with respect to National Geodetic Vertical Datum, at each well. If known, the elevation of the land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error in determining the depth to water may be a few tenths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or to the nearest foot.

EXPLANATION OF PRECIPITATION-QUALITY RECORDS

Collection of the Data

The precipitation-quality records in this report are for one site operated by the U.S. Geological Survey in the National Trends Network. Field measurements of pH and specific conductance of weekly composite precipitation samples and daily precipitation quantity are made. Other chemical analyses for all National Trends Network sites are performed by the Central Analytical Laboratory of the Illinois Water Survey. A numerical agency code (17003) has been assigned to the Illinois Water Survey for data storage purposes.

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

The U.S. Geological Survey publishes a series of manuals describing procedures for planning and conducting 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) pertains to 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, 604 South Pickett St., Alexandria, VA 22304 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for 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.

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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-A9. *Measurement of time of travel and dispersion in streams by dye tracing,* by E. F. Hubbard, F. A. Kilpatrick, L. A. Martens, and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 pages.

3-A10. *Discharge ratings at gaging stations,* by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 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.

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3-A14. *Use of flumes in measuring discharge,* by F. A. Kilpatrick and V. R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.

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3-C1. *Fluvial sediment concepts* by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.

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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.

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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.

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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-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sedments*, by L. C. Friedman and D. E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.

5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.

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7-C3. *A model for simulation of flow in singular and interconnected channels* by R. W. Schaffrannek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.

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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.

DISCONTINUED GAGING STATIONS

The following continuous-record streamflow stations in Arkansas have been discontinued or converted to partial-record stations. Daily streamflow records were collected and published for the period of record shown for each station.

Station number	Station name	Drainage area (mi^2)	Period of record
	St. Francis River basin		
07047000	St. Francis River floodway near Marked Tree (Dam), Ark.	4,644	1934-65
07047500	St. Francis River at Marked Tree, Ark.	5,148	1934-73
07047810	St. Francis River floodway near Marked Tree, Ark.	4,651	1965-70
	White River basin		
07048000	West Fork White River at Greenland, Ark.	83.10	1945-83
07048500	West Fork White River near Fayetteville, Ark.	118	1937-45
*07049000	War Eagle Creek near Hindsville, Ark.	263	1952-70
07049500	White River near Rogers, Ark.	1,020	1952-63
*07050500	Kings River near Berryville, Ark.	527	1939-75
*07055000	White River near Flippin, Ark.	6,081	1928-80
07057000	Buffalo River near Rush, Ark.	1,096	1928-70
07057250	White River at Shipps Ferry, Ark.	8,007	1963-64
*07061000	White River at Batesville, Ark.	11,070	1937-58†
07068890	Fourche River above Pocahontas, Ark.	229	1964-70
*07069000	Black River at Pocahontas, Ark.	4,845	1936-70
07073000	Strawberry River near Evening Shade, Ark.	217	1939-79
*07073500	Piney Fork at Evening Shade, Ark.	99.20	1939-84
*07075000	Middle Fork of Little Red River at Shirley, Ark.	302	1939-84
07076850	Cypress Bayou near Beebe, Ark.	166	1961-76
07077000	White River at DeValls Bluff, Ark.	23,483	1949-70
07077930	Big Creek near Moro, Ark.	77.40	1961-70
07078000	LaGrue Bayou near Stuttgart, Ark.	176	1935-54
	Arkansas River basin		
07195000	Osage Creek near Elm Springs, Ark.	130	1950-75
*07249500	Cove Creek near Lee Creek, Ark.	35.30	1950-70
*07251000	Frog Bayou near Mountainburg, Ark.	74.20	1936-61
*07251500	Frog Bayou at Rudy, Ark.	216	1950-70
07252500	Sixmile Creek Subwatershed No. 6 near Chismville, Ark.	4.23	1960-70
07253000	Sixmile Creek at Chismville, Ark.	24.10	1954-70
07253500	Sixmile Creek near Branch, Ark.	36.70	1954-70
07254000	Sixmile Creek Subwatershed No. 5 near Chismville, Ark.	2.76	1960-70
07254500	Sixmile Creek Subwatershed No. 2 near Caulksville, Ark.	5.81	1960-70

* Converted to a partial-record station.
† Reactivated as a partial-record station in 1978.

DISCONTINUED GAGING STATIONS--CONTINUED

Station number	Station name	Drainage area (mi^2)	Period of record
	Arkansas River basin--Continued		
07255000	Sixmile Creek at Caulksville, Ark.	104	1954-70
07255100	Sixmile Creek near Subwatershed No. 23 near Branch, Ark.	4.49	1960-70
07255500	Hurricane Creek near Branch, Ark.	17.20	1954-70
07256000	Hurricane Creek near Caulksville, Ark.	53	1954-70
*07256500	Spadra Creek at Clarksville, Ark.	61.10	1952-70
*07258500	Petit Jean River near Booneville, Ark.	241	1938-84
*07259500	Petit Jean River near Waveland, Ark.	516	1939-80
*07260000	Dutch Creek at Waltreak, Ark.	81.40	1945-75
*07262500	Fourche LaFave River near Nimrod, Ark.	684	1936-80
07264500	Bayou Meto near Stuttgart, Ark.	574	1935-54
07265000	Crooked Creek near Humphrey, Ark.	79.20	1940-54
	Red River basin		
*07339500	Rolling Fork near DeQueen, Ark.	182	1948-80
*07340500	Cossatot River near DeQueen, Ark.	360	1938-80
*07341000	Saline River near Dierks, Ark.	121	1938-80
07345000	Bodcau Creek near Stamps, Ark.	234	1958-70
07356500	South Fork Ouachita River at Mount Ida, Ark.	64	1949-70
07358000	Ouachita River near Hot Springs, Ark.	1,405	1922-30
07361000	Little Missouri River near Murfreesboro, Ark.	380	1928-31, 1937-77
*07362500	Moro Creek near Fordyce, Ark.	240	1951-83
*07363000	Saline River at Benton, Ark.	550	1950-79
*07363200	Saline River near Sheridan, Ark.	1,123	1970-81
07364000	Saline River near Warren, Ark.	2,476	1928-31, 1937-40
07365900	Three Creeks near Three Creeks, Ark.	50.30	1956-71

* Converted to a partial-record station.

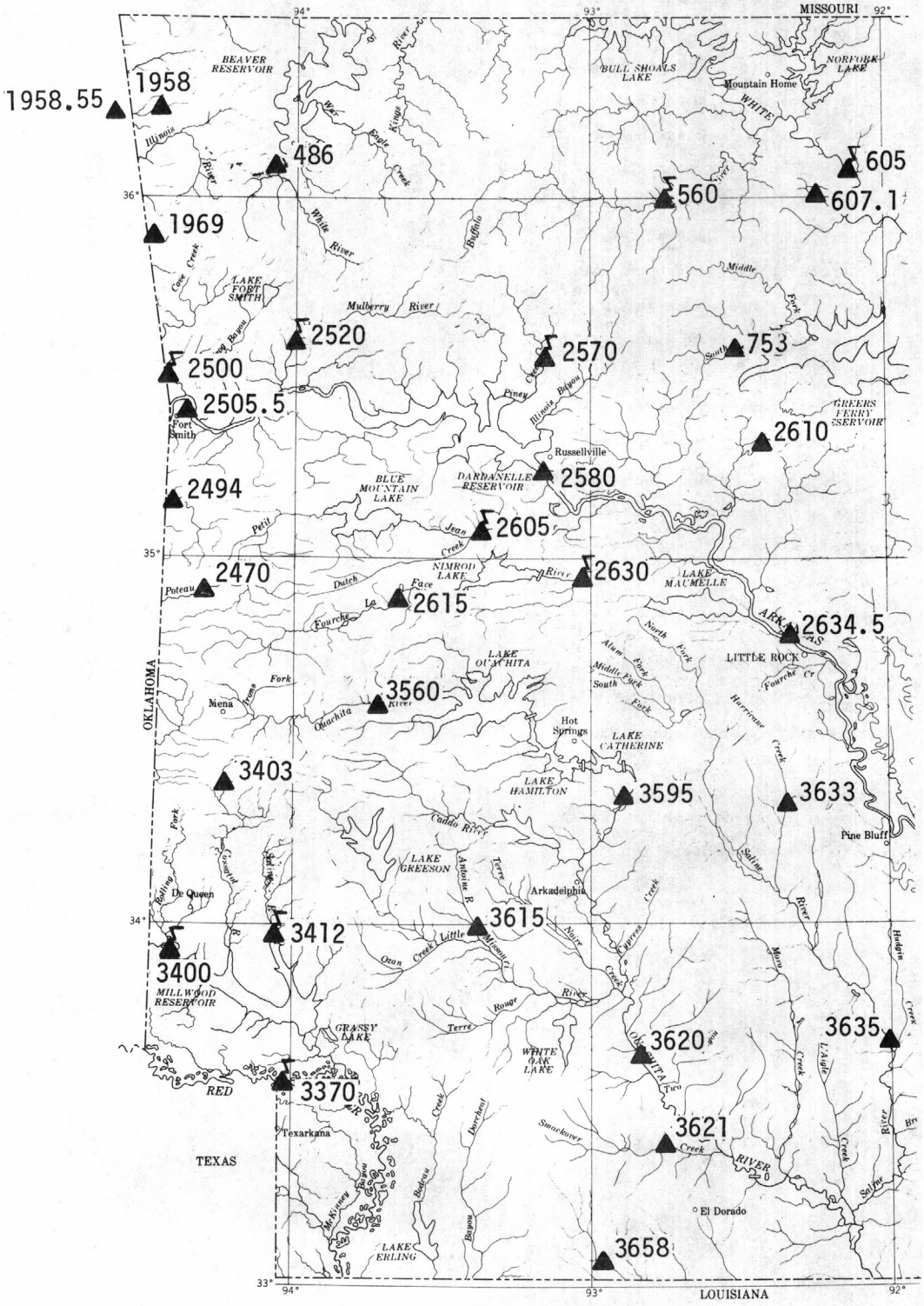


Figure 2.--Locations of continuous-record gaging stations in western Arkansas.

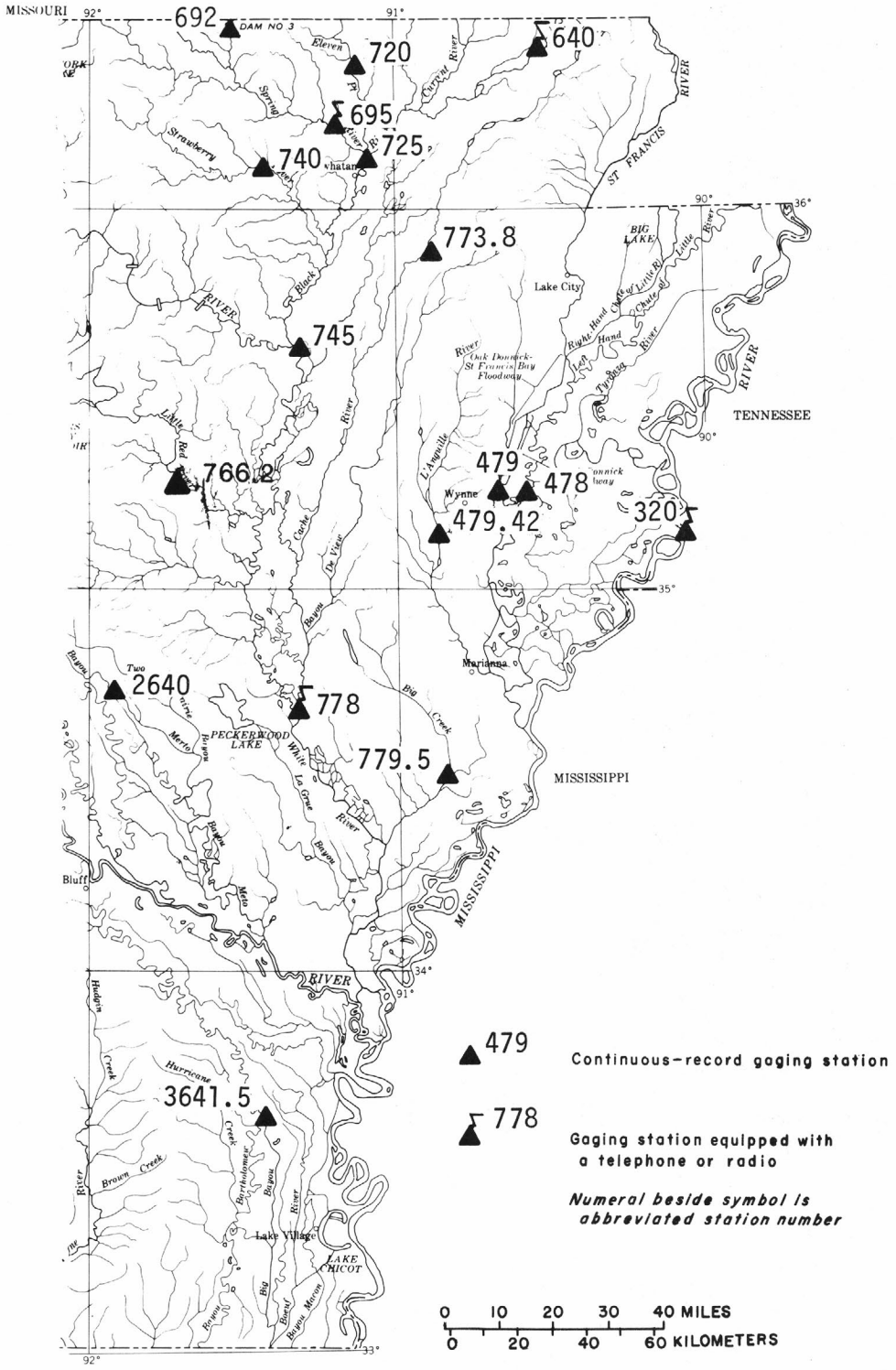


Figure 3.--Locations of continuous-record gaging stations in eastern Arkansas.

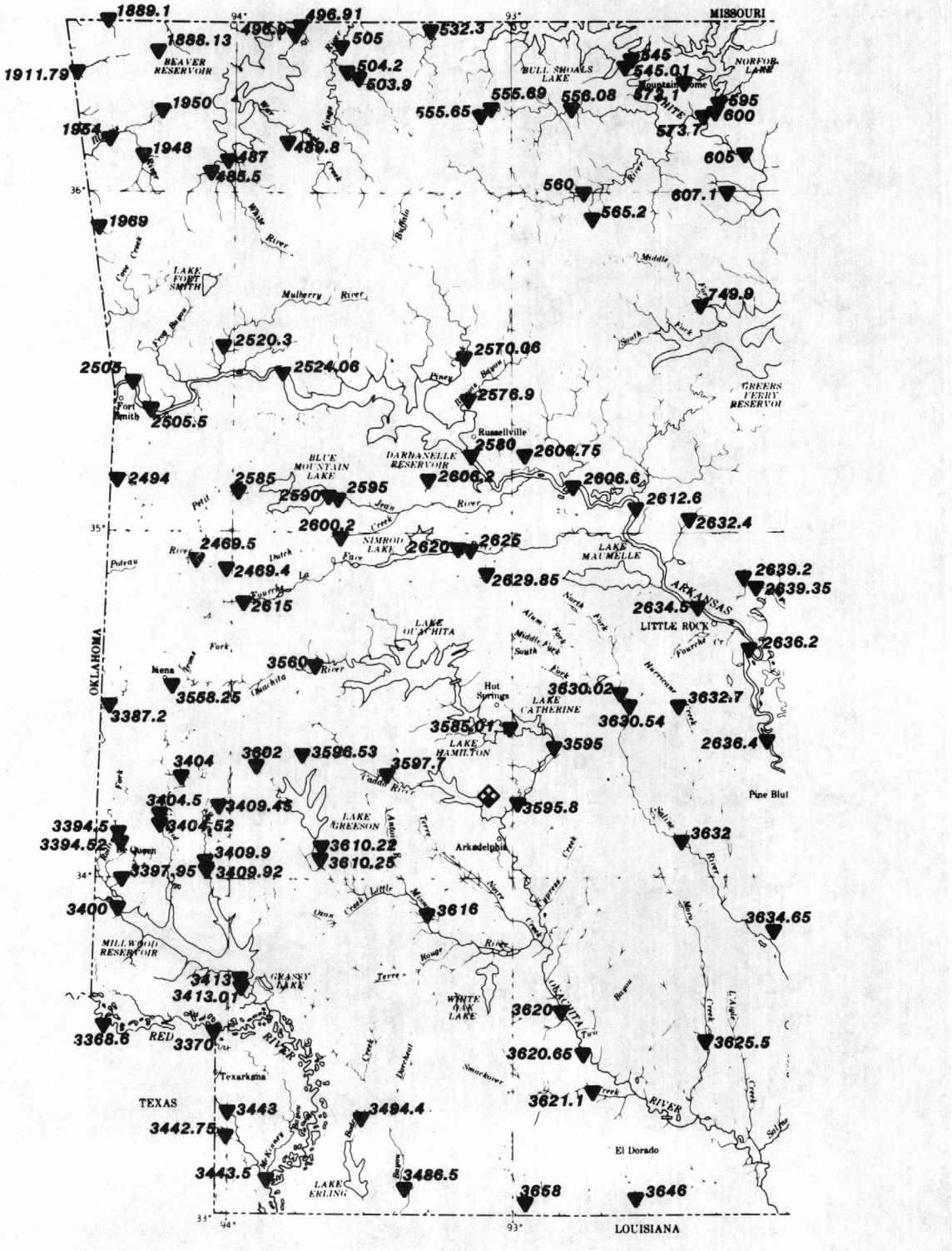


Figure 4.--Locations of water-quality stations in western Arkansas.

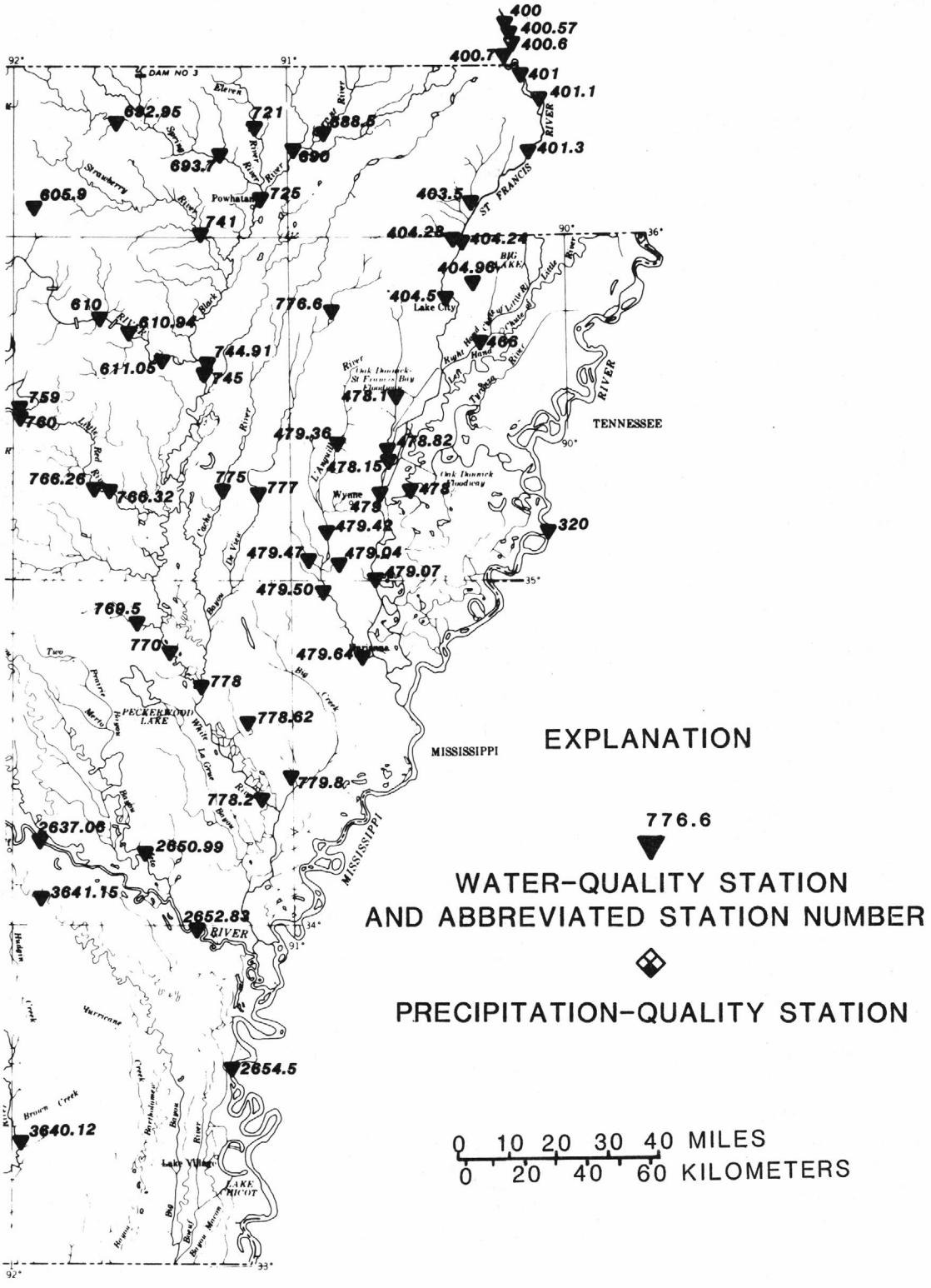


Figure 5.--Locations of water-quality stations in eastern Arkansas.

07032000 MISSISSIPPI RIVER AT MEMPHIS, TENN.
(National stream-quality accounting network station)

NOTE.--Water-discharge records are not available for inclusion in this report. They will be published in a subsequent report.

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-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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT, 1984											
23...	1300	80513	80010	339000	420	8.0	14.0	60	8.0	77	771
JAN, 1985											
24...	1430	80513	80010	439000	400	7.9	.5	15	12.9	89	765
APR											
16...	1400	80513	80010	1020000	340	7.9	14.5	60	8.2	80	769
JUL											
23...	1200	80513	80010	276000	438	8.2	29.0	9.0	8.0	105	759

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 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)
OCT, 1984											
23...	1300	K4700	K12000	140	32	36	13	25	27	.9	3.4
JAN, 1985											
24...	1430	260	390	170	43	46	14	16	17	.5	2.8
APR											
16...	1400	190	190	140	39	38	12	11	14	.4	3.4
JUL											
23...	1200	270	250	180	51	45	16	22	21	.7	3.2

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
OCT, 1984										
23...	1300	112	75	17	.30	5.8	258	240	.35	.70
JAN, 1985										
24...	1430	130	54	18	.20	7.9	248	240	.34	2.0
APR										
16...	1400	106	47	16	.20	6.2	205	200	.28	1.9
JUL										
23...	1200	128	66	19	.30	3.1	289	250	.39	1.0

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	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)
OCT, 1984										
23...	1300	.110	.80	.190	.120	.130	40	2	67	<.5
JAN, 1985										
24...	1430	.160	.30	.070	.120	.050	10	<1	63	<.5
APR										
16...	1400	.090	2.9	.110	.030	.050	20	<1	64	<.5
JUL										
23...	1200	<.010	.70	.140	.070	.070	20	2	74	<.5

07032000 MISSISSIPPI RIVER AT MEMPHIS, TENN.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)
OCT, 1984										
23...	1300	<1	1	<3	3	53	<1	9	11	<.1
JAN, 1985										
24...	1430	<1	1	<3	2	17	5	<4	17	<.1
APR										
16...	1400	<1	<1	<3	3	25	4	<4	12	.1
JUL										
23...	1200	<1	9	<3	4	<3	2	29	<1	<.1

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. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT, 1984										
23...	1300	<10	2	<1	<1	200	10	208	190000	93
JAN, 1985										
24...	1430	<10	3	<1	<1	180	6	121	143000	38
APR										
16...	1400	<10	10	<1	<1	140	15	82	226000	92
JUL										
23...	1200	<10	4	<1	<1	230	13	--	--	--

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1984											
22...	1315	80513	80513	67	12.82	2960	.20	17.0	184	760	8.7
NOV											
27...	1430	80513	80513	67	15.98	3950	.20	9.0	106	760	9.9
DEC											
17...	1630	80513	80513	67	15.07	3830	.20	8.0	124	758	11.6
JAN, 1985											
14...	1600	80513	80513	67	22.74	7980	.20	3.0	125	758	13.4
FEB											
11...	1500	80513	80513	67	6.70	1130	.30	1.0	168	753	12.6
MAR											
11...	1600	80513	80513	67	16.73	4790	.20	10.0	137	749	10.8
APR											
08...	1500	80513	80513	67	21.66	7410	.20	11.5	79	765	11.2
MAY											
13...	1500	80513	80513	67	12.76	2910	.30	20.0	137	751	9.5
JUN											
11...	1430	80513	80513	67	13.70	3320	.30	23.0	144	750	7.5
JUL											
15...	1230	80513	80513	67	13.75	3480	.50	25.0	136	756	6.0
AUG											
12...	1300	80513	80513	67	6.65	1240	.30	26.0	194	753	6.3
SEP											
16...	1230	80513	80513	67	3.21	513	.50	20.0	150	759	7.4

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	PH (STANDARD UNITS) (00400)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
OCT, 1984											
22...	1315	90	7.9	60	480	--	--	100	94	86	--
NOV											
27...	1430	86	7.6	52	555	--	--	100	91	86	--
DEC											
17...	1630	98	7.7	40	414	--	100	92	77	64	--
JAN, 1985											
14...	1600	100	8.1	46	991	100	98	89	50	44	--
FEB											
11...	1500	90	7.9	47	143	--	100	91	82	74	100
MAR											
11...	1600	97	8.0	49	634	--	100	99	94	86	100
APR											
08...	1500	102	8.3	75	1500	--	100	97	93	82	--
MAY											
13...	1500	106	7.7	34	267	--	100	98	95	90	--
JUN											
11...	1430	89	7.8	108	968	--	100	96	77	61	--
JUL											
15...	1230	73	7.4	71	667	--	100	98	97	84	--
AUG											
12...	1300	79	7.9	71	238	--	--	100	99	98	--
SEP											
16...	1230	82	8.1	57	79	--	--	100	99	97	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
OCT, 1984										
22...	1315	--	--	--	--	100	97	75	7	4
NOV										
27...	1430	--	--	--	--	100	99	75	2	1
DEC										
17...	1630	--	--	--	100	99	92	51	3	3
JAN, 1985										
14...	1600	--	--	--	--	100	90	41	8	5
FEB										
11...	1500	68	45	37	--	36	33	22	3	2
MAR										
11...	1600	63	42	33	--	32	29	22	1	1
APR										
08...	1500	100	75	70	--	69	66	42	1	1
MAY										
13...	1500	--	100	90	--	89	79	50	11	9
JUN										
11...	1430	--	--	--	--	100	99	75	2	1
JUL										
15...	1230	--	100	97	--	97	91	65	8	5
AUG										
12...	1300	--	--	--	--	100	97	67	3	2
SEP										
16...	1230	--	--	--	--	100	98	77	5	3

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	TEMPERATURE (DEG C) (00010)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
NOV, 1984										
27...	1225	80513	80513	67	13.88	11200	.10	8.0	1010	30500
DEC										
17...	1530	80513	80513	67	8.00	4240	.20	9.0	114	1310
JAN, 1985										
14...	1500	80513	80513	67	14.22	6050	.20	2.0	195	3190
FEB										
11...	1400	80513	80513	67	6.56	3230	.20	.0	433	3780
MAR										
11...	1500	80513	80513	67	10.24	5910	.00	10.0	176	2810
APR										
08...	1400	80513	80513	67	13.00	8910	.20	12.0	202	4860
MAY										
13...	1415	80513	80513	67	7.09	3800	.20	20.0	82	841
JUN										
11...	1330	80513	80513	67	6.92	3550	.20	24.0	159	1520

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
NOV, 1984										
27...	1225	100	99	83	78	100	99	92	2	1
DEC										
17...	1530	100	98	66	57	--	100	98	6	4
JAN, 1985										
14...	1500	100	97	63	50	--	100	84	0	0
FEB										
11...	1400	100	99	92	89	100	99	75	1	1
MAR										
11...	1500	100	99	87	77	--	100	79	1	1
APR										
08...	1400	100	98	75	62	100	99	75	4	1
MAY										
13...	1415	100	96	84	74	100	99	73	0	0
JUN										
11...	1330	100	96	78	70	100	99	73	1	0

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	TEMPERATURE (DEG C) (00010)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
NOV, 1984										
27...	1300	80513	80513	67	32.82	11900	.10	8.0	1240	39800
DEC										
17...	1430	80513	80513	67	29.26	4420	.20	9.0	81	967
JAN, 1985										
14...	1430	80513	80513	67	34.29	10200	.20	2.0	224	6170
FEB										
11...	1315	80513	80513	67	26.20	3210	.20	1.0	403	3490
MAR										
11...	1430	80513	80513	67	31.19	5930	.00	10.0	149	2390
APR										
08...	1300	80513	80513	67	10.03	8580	.20	12.0	170	3940
MAY										
13...	1330	80513	80513	67	--	3370	.20	20.0	101	919
JUN										
11...	1300	80513	80513	67	26.13	3620	.20	24.0	144	1410

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
NOV, 1984										
27...	1300	100	99	69	64	100	99	94	1	0
DEC										
17...	1430	100	98	90	78	--	100	92	3	1
JAN, 1985										
14...	1430	100	99	52	38	100	99	86	5	4
FEB										
11...	1315	100	99	92	90	--	100	88	1	1
MAR										
11...	1430	100	99	93	85	100	99	82	1	1
APR										
08...	1300	100	99	84	73	100	99	85	2	2
MAY										
13...	1330	100	97	72	67	100	99	83	1	1
JUN										
11...	1300	100	98	88	81	100	99	87	1	1

07040100 ST. FRANCIS RIVER AT ST. FRANCIS, ARK.

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.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT, 1984										
23...	0930	80513	80513	67	20.52	5960	.20	15.0	130	764
NOV										
28...	0830	80513	80513	67	21.76	8400	.00	8.5	94	763
DEC										
18...	0930	80513	80513	67	19.92	5400	.20	9.5	124	765
JAN, 1985										
15...	0830	80513	80513	67	22.06	9350	.20	1.5	105	767
FEB										
12...	0900	80513	80513	67	15.31	3050	.20	.0	123	760
MAR										
12...	0900	80513	80513	67	20.17	6100	.20	10.0	127	750
APR										
09...	0900	80513	80513	67	21.51	7590	.20	11.0	78	769
MAY										
14...	0830	80513	80513	67	16.27	3390	.20	20.0	130	753
JUN										
12...	0800	80513	80513	67	16.01	3380	.20	22.0	159	758
JUL										
15...	1400	80513	80513	67	15.82	3510	.30	25.5	150	756
AUG										
12...	1430	80513	80513	67	10.10	1220	.20	26.5	215	754
SEP										
16...	1330	80513	80513	67	7.24	741	.30	19.5	173	759

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	PH (STANDARD UNITS) (00400)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)
OCT, 1984									
23...	0930	7.4	73	7.5	226	3640	--	100	99
NOV									
28...	0830	9.7	83	7.3	683	15500	--	100	99
DEC									
18...	0930	10.8	94	7.7	294	4290	100	99	98
JAN, 1985									
15...	0830	13.8	98	7.9	289	7300	--	100	99
FEB									
12...	0900	11.9	82	7.8	147	1210	--	100	99
MAR									
12...	0900	11.0	99	8.0	140	2310	--	100	98
APR									
09...	0900	10.3	93	7.8	162	3320	--	100	99
MAY									
14...	0830	8.2	91	7.7	109	998	--	100	98
JUN									
12...	0800	7.8	90	7.8	157	1430	--	100	98
JUL									
15...	1400	6.4	79	7.3	170	1610	--	--	100
AUG									
12...	1430	7.6	96	7.9	158	520	--	100	99
SEP									
16...	1330	8.7	95	8.1	66	132	--	--	100

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
OCT, 1984									
23...	0930	77	68	--	100	99	69	16	8
NOV									
28...	0830	65	48	--	100	99	98	60	42
DEC									
18...	0930	83	75	--	100	99	98	25	2
JAN, 1985									
15...	0830	32	31	--	100	99	95	3	1
FEB									
12...	0900	95	92	--	--	100	97	5	2
MAR									
12...	0900	87	79	--	100	99	93	2	1
APR									
09...	0900	81	72	100	99	95	85	4	1
MAY									
14...	0830	73	68	--	100	97	86	6	2
JUN									
12...	0800	93	86	--	100	99	96	1	1
JUL									
15...	1400	94	86	--	100	97	94	12	4
AUG									
12...	1430	98	96	--	--	100	96	23	8
SEP									
16...	1330	98	94	--	100	97	94	74	67

07040110 ST. FRANCIS RIVER NEAR PIGGOTT, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	TEMPERATURE (DEG C) (00010)
NOV, 1984								
28...	1000	80513	80513	67	20.14	5950	.10	8.0
28...	1030	80513	80513	68	--	3740	.10	8.0
DEC								
17...	1300	80513	80513	67	16.85	3940	.20	11.0
17...	1330	80513	80513	68	--	685	.20	11.0
JAN, 1985								
14...	1200	80513	80513	67	21.58	7940	.20	2.0
14...	1230	80513	80513	68	--	2010	.20	2.0
FEB								
11...	1230	80513	80513	67	13.92	3160	.20	1.0
MAR								
11...	1200	80513	80513	67	18.93	4210	.00	10.0
11...	1230	80513	80513	68	--	2090	.00	10.0
APR								
08...	1130	80513	80513	67	20.49	6890	.20	12.0
08...	1200	80513	80513	68	--	1850	.20	12.0
MAY								
13...	1200	80513	80513	67	14.91	3270	.20	20.0
13...	1230	80513	80513	68	--	350	.20	20.0
JUN								
11...	1200	80513	80513	67	14.54	3230	.20	24.0

DATE	TIME	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
NOV, 1984								
28...	1000	390	6270	100	99	87	80	--
28...	1030	317	3200	100	99	99	98	--
DEC								
17...	1300	140	1490	100	99	77	65	--
17...	1330	68	126	100	97	96	95	--
JAN, 1985								
14...	1200	102	2190	100	96	72	68	100
14...	1230	43	233	100	99	99	99	--
FEB								
11...	1230	410	3500	100	99	85	78	--
MAR								
11...	1200	175	1990	100	99	82	72	--
11...	1230	99	559	100	97	95	90	--
APR								
08...	1130	122	2270	100	98	87	79	--
08...	1200	134	669	100	99	99	98	--
MAY								
13...	1200	129	1140	100	98	74	68	--
13...	1230	110	104	--	--	100	96	--
JUN								
11...	1200	230	2010	100	92	75	68	--

07040110 ST. FRANCIS RIVER NEAR PIGGOTT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
NOV, 1984								
28...	1000	--	100	96	65	6	1	1
28...	1030	--	--	100	99	99	96	92
DEC								
17...	1300	--	100	99	97	67	1	1
17...	1330	--	--	100	99	99	97	91
JAN, 1985								
14...	1200	84	--	79	23	3	2	2
14...	1230	--	--	100	99	97	96	90
FEB								
11...	1230	--	--	100	99	77	1	1
MAR								
11...	1200	--	--	100	96	51	1	1
11...	1230	--	100	97	80	61	46	31
APR								
08...	1130	--	--	100	94	33	1	1
08...	1200	--	--	100	98	92	76	52
MAY								
13...	1200	--	--	100	97	52	1	1
13...	1230	--	--	100	99	99	94	89
JUN								
11...	1200	--	--	100	94	37	0	0

07040130 ST. FRANCIS RIVER AT HOLLY ISLAND, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	TEMPERATURE (DEG C) (00010)	SEDIMENT, SUSPENDED (MG/L) (80154)
NOV, 1984									
28...	1215	80513	80513	67	15.32	3230	.10	8.0	404
28...	1245	80513	80513	68	--	2010	.10	8.0	484
DEC									
18...	1600	80513	80513	67	15.10	3460	.20	8.5	192
18...	1630	80513	80513	68	--	1650	.20	8.5	252
JAN, 1985									
15...	1100	80513	80513	67	15.99	4880	.20	2.0	101
15...	1130	80513	80513	68	--	5620	.20	2.0	40
FEB									
12...	1000	80513	80513	67	14.51	2920	.20	.0	302
12...	1030	80513	80513	68	--	603	.20	.0	246
MAR									
12...	1100	80513	80513	67	15.30	4040	.00	10.0	180
12...	1130	80513	80513	68	--	2940	.00	10.0	62
APR									
09...	1100	80513	80513	67	15.57	4080	.20	11.5	115
09...	1130	80513	80513	68	--	3920	.20	11.5	39
MAY									
14...	1030	80513	80513	67	14.55	3430	.30	20.0	100
14...	1100	80513	80513	68	--	670	.30	20.0	80
JUN									
12...	0900	80513	80513	67	14.37	2920	.20	22.0	184

DATE	TIME	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
NOV, 1984								
28...	1215	3520	100	97	86	81	--	--
28...	1245	2630	100	99	99	96	--	--
DEC								
18...	1600	1790	100	95	90	82	--	--
18...	1630	1120	100	98	97	97	--	--
JAN, 1985								
15...	1100	1330	100	98	60	53	--	--
15...	1130	607	100	98	97	97	100	94
FEB								
12...	1000	2380	100	99	95	93	--	--
12...	1030	401	100	99	97	94	--	--
MAR								
12...	1100	1960	100	97	75	64	--	--
12...	1130	492	100	93	84	82	--	100
APR								
09...	1100	1270	100	97	75	69	--	--
09...	1130	413	--	100	99	96	100	88
MAY								
14...	1030	926	--	100	91	88	--	--
14...	1100	145	--	100	98	96	--	--
JUN								
12...	0900	1450	100	98	89	84	--	--

07040130 ST. FRANCIS RIVER AT HOLLY ISLAND, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. FALL DIAM. % FINER THAU 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
NOV, 1984								
28...	1215	--	100	99	90	32	0	0
28...	1245	--	--	100	99	99	98	96
DEC								
18...	1600	--	100	99	90	51	1	1
18...	1630	--	--	100	99	98	95	88
JAN, 1985								
15...	1100	--	100	97	77	10	0	0
15...	1130	81	--	77	65	42	12	10
FEB								
12...	1000	--	--	--	100	80	0	0
12...	1030	--	100	97	92	79	58	50
MAR								
12...	1100	--	100	99	95	68	1	1
12...	1130	83	--	82	68	42	18	13
APR								
09...	1100	100	--	99	80	47	1	1
09...	1130	73	--	72	55	34	12	10
MAY								
14...	1030	--	--	100	96	76	0	0
14...	1100	--	--	100	95	76	28	24
JUN								
12...	0900	100	--	99	92	62	0	0

07040450 ST. FRANCIS RIVER AT LAKE CITY, ARK.

LOCATION.--Lat 35°49'16", long 90°25'56", in SE 1/4 sec.22, T.15 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.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT, 1984										
23...	1400	80513	80513	67	7.92	1720	.10	14.0	105	764
23...	1500	80513	80513	68	--	5710	.10	14.0	119	764
NOV										
28...	1530	80513	80513	67	9.11	1930	.00	9.0	128	764
28...	1600	80513	80513	68	--	8770	.00	8.0	116	764
DEC										
19...	0830	80513	80513	67	7.98	1800	.20	11.0	113	762
19...	0900	80513	80513	68	--	5440	.20	11.0	136	762
JAN, 1985										
15...	1430	80513	80513	67	9.06	2170	.20	.5	136	766
15...	1500	80513	80513	68	--	6960	.20	.5	116	766
FEB										
12...	1330	80513	80513	67	7.75	1700	.20	-1.0	110	762
12...	1400	80513	80513	68	--	--	--	--	--	--
MAR										
12...	1330	80513	80513	67	8.16	1650	.00	12.0	161	764
12...	1400	80513	80513	68	--	9210	.00	11.5	114	764
APR										
09...	1400	80513	80513	67	8.38	2080	.20	13.0	178	769
09...	1500	80513	80513	68	--	4720	.20	13.0	98	769
MAY										
14...	1330	80513	80513	67	6.45	1990	.30	21.0	204	756
14...	1400	80513	80513	68	--	2960	.30	22.0	156	756
JUN										
12...	1030	80513	80513	67	5.55	1250	.20	22.0	259	760
JUL										
16...	0800	80513	80513	67	6.05	1460	.20	25.5	188	751
AUG										
13...	0900	80513	80513	67	4.58	1100	.20	26.0	240	758
SEP										
17...	0830	80513	80513	67	3.83	879	.20	18.0	234	759

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	PH (STANDARD UNITS) (00400)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)
OCT, 1984									
23...	1400	6.0	58	7.2	56	260	--	100	92
23...	1500	5.8	56	7.3	158	2440	--	100	96
NOV									
28...	1530	6.7	58	7.7	238	1240	100	99	98
28...	1600	8.0	67	7.7	98	2320	100	98	96
DEC									
19...	0830	8.1	73	7.4	116	564	100	98	97
19...	0900	8.6	78	7.5	64	940	--	100	95
JAN, 1985									
15...	1430	13.8	95	8.0	39	229	--	100	96
15...	1500	14.5	100	8.0	42	789	100	98	90
FEB									
12...	1330	13.2	88	7.9	50	230	--	100	97
MAR									
12...	1330	8.8	81	8.0	56	249	--	100	97
12...	1400	9.4	86	8.0	135	3360	--	100	99
APR									
09...	1400	10.2	96	8.1	70	393	--	100	97
09...	1500	10.7	101	8.1	72	918	100	99	98
MAY									
14...	1330	7.1	80	7.5	115	618	--	100	99
14...	1400	7.4	85	7.7	103	823	--	--	--
JUN									
12...	1030	5.7	65	7.7	97	327	--	100	98
JUL									
16...	0800	5.5	68	7.8	59	233	--	100	99
AUG									
13...	0900	4.9	61	7.6	69	205	--	100	99
SEP									
17...	0830	6.9	73	8.1	87	206	--	100	98

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
OCT, 1984									
23...	1400	90	88	--	100	97	84	74	73
23...	1500	92	89	--	100	99	89	28	4
NOV									
28...	1530	94	92	--	100	92	58	2	2
28...	1600	90	87	--	100	99	82	6	2
DEC									
19...	0830	94	92	--	100	99	75	3	1
19...	0900	93	90	--	100	98	75	12	7
JAN, 1985									
15...	1430	79	74	--	100	99	78	2	1
15...	1500	79	72	--	100	99	58	1	0
FEB									
12...	1330	87	84	100	99	97	57	2	2
MAR									
12...	1330	76	70	--	100	96	57	10	10
12...	1400	96	86	--	100	99	67	1	1
APR									
09...	1400	87	85	--	100	99	80	2	2
09...	1500	96	91	--	100	97	44	1	1
MAY									
14...	1330	95	95	--	--	100	90	8	4
14...	1400	--	100	--	100	97	48	5	4
JUN									
12...	1030	97	95	--	100	99	89	4	1
JUL									
16...	0800	99	95	--	100	99	86	2	1
AUG									
13...	0900	97	95	--	100	99	87	26	11
SEP									
17...	0830	93	91	--	100	99	81	1	1

07040496 COCKLE BURR SLOUGH DITCH NEAR MONETTE, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)
NOV, 1984									
29...	1145	80513	80513	67	28.87	.00	--	8.0	155
DEC									
19...	1030	80513	80513	67	27.78	460	.30	12.0	342
JAN, 1985									
15...	1300	80513	80513	67	28.73	450	.30	5.5	405
FEB									
12...	1230	80513	80513	67	27.92	558	.60	2.0	265
MAR									
12...	1500	80513	80513	67	28.05	372	.50	13.0	400
APR									
09...	1300	80513	80513	67	28.04	316	.30	14.0	400
MAY									
14...	1230	80513	80513	67	27.07	157	.30	20.5	410
JUN									
12...	1100	80513	80513	67	26.30	544	.20	20.5	246

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	PH (STANDARD UNITS) (00400)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)
NOV, 1984									
29...	1145	754	9.0	77	7.9	--	--	--	--
DEC									
19...	1030	762	7.7	71	7.9	91	113	100	98
JAN, 1985									
15...	1300	767	10.8	85	8.2	48	58	100	99
FEB									
12...	1230	762	11.3	82	8.0	53	80	100	98
MAR									
12...	1500	764	8.6	81	8.2	47	47	100	99
APR									
09...	1300	769	9.6	92	8.1	47	40	--	100
MAY									
14...	1230	756	7.2	81	7.8	62	26	--	--
JUN									
12...	1100	760	5.2	58	7.7	183	269	--	--

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
DEC, 1984								
19...	1030	97	96	100	99	85	13	10
JAN, 1985								
15...	1300	98	89	100	98	79	9	7
FEB								
12...	1230	97	95	100	95	70	21	19
MAR								
12...	1500	96	90	100	98	79	4	1
APR								
09...	1300	86	82	100	98	83	16	14
MAY								
14...	1230	--	100	100	97	85	13	11
JUN								
12...	1100	--	100	100	99	85	15	13

07046600 RIGHT HAND CHUTE OF LITTLE RIVER AT RIVERVALE, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT, 1984										
24...	0900	80513	80513	67	8.90	9210	.00	13.0	118	764
NOV										
29...	1020	80513	80513	67	6.72	6520	.00	8.0	185	760
DEC										
19...	1130	80513	80513	67	6.60	6460	.20	13.0	252	762
JAN, 1985										
16...	0900	80513	80513	67	4.65	2980	.00	.5	230	763
FEB										
13...	0900	80513	80513	67	6.35	6230	.20	.0	250	763
MAR										
13...	0800	80513	80513	67	5.50	5090	.00	12.0	237	751
APR										
10...	0830	80513	80513	67	7.23	6950	.20	13.0	177	766
MAY										
15...	0830	80513	80513	67	5.53	5240	.20	21.5	276	751
JUN										
12...	1230	80513	80513	67	3.14	2960	.20	24.5	339	760
JUL										
16...	1130	80513	80513	67	2.47	1060	.20	29.0	428	751
AUG										
13...	1100	80513	80513	67	2.32	1090	.20	29.0	334	759
SEP										
17...	1000	80513	80513	67	1.94	415	.20	19.5	425	759

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	PH (STANDARD UNITS) (00400)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
OCT, 1984										
24...	0900	5.6	53	7.1	182	4530	--	100	98	75
NOV										
29...	1020	9.2	78	7.7	476	8380	--	100	98	93
DEC										
19...	1130	8.2	78	7.7	335	5840	--	100	99	96
JAN, 1985										
16...	0900	12.4	86	7.7	89	716	100	98	94	93
FEB										
13...	0900	13.2	90	7.8	121	2040	100	99	96	79
MAR										
13...	0800	9.0	85	7.7	144	1980	--	100	99	97
APR										
10...	0830	8.4	79	7.7	155	2910	--	100	98	89
MAY										
15...	0830	6.3	73	7.8	344	4870	--	100	96	92
JUN										
12...	1230	6.3	76	8.0	308	2460	--	--	100	99
JUL										
16...	1130	6.6	87	8.0	148	424	--	--	100	99
AUG										
13...	1100	6.8	89	8.1	87	256	--	--	--	--
SEP										
17...	1000	9.0	99	8.4	41	46	--	--	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
OCT, 1984									
24...	0900	70	--	--	100	98	60	0	0
NOV									
29...	1020	89	--	--	100	99	79	2	1
DEC									
19...	1130	90	--	--	100	96	58	1	1
JAN, 1985									
16...	0900	93	--	--	100	81	2	1	1
FEB									
13...	0900	69	100	97	96	61	8	3	3
MAR									
13...	0800	95	--	--	100	93	30	18	18
APR									
10...	0830	86	--	--	100	96	63	1	1
MAY									
15...	0830	89	--	--	100	96	28	15	3
JUN									
12...	1230	96	--	--	100	96	47	31	26
JUL									
16...	1130	96	--	--	100	97	51	34	16
AUG									
13...	1100	100	--	--	100	92	38	30	29
SEP									
17...	1000	100	--	--	100	91	46	22	22

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

NOTE.--Water-discharge records are not available for inclusion in this report. They will be published in a subsequent report.

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

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV, 1984											
13...	1430	80513	80010	5730	172	7.5	12.0	150	6.2	57	768
MAR, 1985											
19...	1100	80513	80010	1070	445	8.0	14.5	25	8.2	80	763
APR											
24...	1000	80513	80010	5330	200	7.6	20.0	32	6.9	76	759
SEP											
03...	1430	80513	80010	2080	242	8.3	28.0	55	6.4	82	758

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 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)
NOV, 1984											
13...	1430	300	3100	72	1	20	5.4	3.2	8	.2	5.4
MAR, 1985											
19...	1100	K100	350	210	0	61	15	9.9	9	.3	2.7
APR											
24...	1000	1600	K30000	82	9	22	6.5	9.9	21	.5	1.3
SEP											
03...	1430	K56	680	110	0	30	8.8	6.0	10	.3	2.9

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
NOV, 1984										
13...	1430	71	9.4	4.1	.10	8.4	103	100	.14	.34
MAR, 1985										
19...	1100	220	21	6.0	.20	17	263	270	.36	<.10
APR										
24...	1000	73	13	8.8	.10	12	129	120	.18	1.4
SEP										
03...	1430	114	13	6.2	.10	12	151	150	.21	<.10

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	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)
NOV, 1984										
13...	1430	.440	.80	.300	.190	.180	60	2	80	<.5
MAR, 1985										
19...	1100	.020	.80	.300	.060	.070	<10	1	300	<.5
APR										
24...	1000	.060	2.5	.300	.060	.050	60	2	440	<.5
SEP										
03...	1430	.060	.60	.160	.120	.100	30	2	140	<.5

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)
NOV, 1984										
13...	1430	<1	<1	<3	4	100	3	8	7	<.1
MAR, 1985										
19...	1100	<1	<1	<3	6	7	1	<4	72	<.1
APR										
24...	1000	<1	<1	<3	17	83	<1	<4	38	.2
SEP										
03...	1430	<1	<1	<3	2	9	1	<4	<1	<.1

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. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV, 1984										
13...	1430	<10	4	<1	<1	78	17	228	3530	97
MAR, 1985										
19...	1100	<10	2	<1	<1	240	53	86	248	89
APR										
24...	1000	<10	2	<1	<1	99	110	1030	14800	95
SEP										
03...	1430	<10	3	<1	<1	130	8	108	607	96

07047810 ST. FRANCIS RIVER FLOODWAY NEAR MARKED TREE, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)
NOV, 1984											
29...	0800	80513	80513	67	17.54	4300	.00	7.0	98	761	10.8
29...	0830	80513	80513	68	--	1800	.00	7.0	--	--	--
29...	0900	80513	80513	68	--	135	.20	6.0	--	--	--
DEC											
19...	1300	80513	80513	67	20.55	7940	.20	12.5	206	760	7.4
19...	1400	80513	80513	68	--	2980	.20	12.0	--	--	--
19...	1430	80513	80513	68	--	157	.20	12.0	--	--	--
19...	1500	80513	80513	68	--	256	.20	13.0	--	--	--
JAN, 1985											
16...	1100	80513	80513	67	23.57	8920	.20	.0	140	767	14.6
16...	1130	80513	80513	68	--	996	.20	.0	140	767	14.6
16...	1200	80513	80513	68	--	3760	.20	.0	--	--	--
16...	1230	80513	80513	68	--	1580	.20	.0	--	--	--
16...	1300	80513	80513	68	--	297	.20	.0	--	--	--
FEB											
13...	1000	80513	80513	67	19.30	7580	.20	-1.0	189	765	13.2
13...	1030	80513	80513	68	--	2410	.20	-1.0	--	--	--
13...	1100	80513	80513	68	--	110	.20	-1.0	--	--	--
13...	1130	80513	80513	68	--	228	.20	-1.0	--	--	--
MAR											
13...	0930	80513	80513	67	22.53	8870	.00	11.0	149	760	9.2
13...	1000	80513	80513	68	--	1340	.00	11.5	149	760	8.7
13...	1030	80513	80513	68	--	3240	.00	11.0	--	--	--
13...	1100	80513	80513	68	--	1320	.00	11.0	--	--	--
13...	1200	80513	80513	68	--	278	.00	11.0	--	--	--
APR											
10...	1000	80513	80513	67	23.14	8320	.20	12.5	137	767	8.2
10...	1030	80513	80513	68	--	1530	.20	12.5	129	767	8.7
10...	1100	80513	80513	68	--	3550	.20	12.5	--	--	--
10...	1130	80513	80513	68	--	1940	.20	12.5	--	--	--
10...	1200	80513	80513	68	--	242	.20	12.5	--	--	--
MAY											
15...	1000	80513	80513	67	18.48	6770	.20	20.0	205	762	6.1
15...	1030	80513	80513	68	--	2360	.20	20.0	--	--	--
15...	1100	80513	80513	68	--	140	.20	20.0	--	--	--
15...	1130	80513	80513	68	--	165	.20	20.0	--	--	--
JUN											
12...	1330	80513	80513	67	11.83	3430	.20	23.0	258	760	6.9
12...	1430	80513	80513	68	--	220	.20	23.0	--	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	PH (STANDARD UNITS) (00400)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
NOV, 1984											
29...	0800	89	7.7	231	2680	100	98	97	96	94	--
29...	0830	--	--	302	1470	--	100	99	97	95	--
29...	0900	--	--	138	50	--	100	98	95	94	--
DEC											
19...	1300	70	7.7	107	2290	100	99	91	76	71	--
19...	1400	--	--	97	780	100	98	76	68	64	--
19...	1430	--	--	64	27	100	98	93	90	87	--
19...	1500	--	--	72	50	--	100	99	98	97	100
JAN, 1985											
16...	1100	99	7.8	72	1730	100	97	56	46	44	--
16...	1130	99	7.8	44	118	--	100	98	90	79	--
16...	1200	--	--	42	426	--	100	99	98	98	--
16...	1230	--	--	83	354	--	100	98	98	98	--
16...	1300	--	--	75	60	--	--	--	--	100	--
FEB											
13...	1000	87	7.8	93	1900	100	97	88	53	47	--
13...	1030	--	--	57	371	--	100	97	90	85	--
13...	1100	--	--	68	20	--	100	95	90	88	--
13...	1130	--	--	79	49	--	100	97	94	93	--
MAR											
13...	0930	84	7.7	58	1390	--	100	95	78	77	--
13...	1000	80	7.7	45	163	--	--	100	95	92	--
13...	1030	--	--	87	761	--	--	100	97	95	--
13...	1100	--	--	50	178	--	--	100	97	95	--
13...	1200	--	--	121	91	--	100	97	96	94	100
APR											
10...	1000	76	7.7	81	1820	--	100	98	98	96	--
10...	1030	81	7.7	125	516	--	--	--	--	100	--
10...	1100	--	--	95	911	--	--	--	100	99	--
10...	1130	--	--	159	833	--	100	99	99	97	--
10...	1200	--	--	103	67	--	--	100	99	99	--
MAY											
15...	1000	67	7.6	180	3290	--	100	97	91	90	--
15...	1030	--	--	174	1110	--	100	98	93	92	--
15...	1100	--	--	137	52	--	--	--	--	100	--
15...	1130	--	--	167	74	--	--	--	--	100	--
JUN											
12...	1330	81	8.1	100	926	100	97	91	85	81	--
12...	1430	--	--	118	70	--	100	99	95	91	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
NOV, 1984										
29...	0800	--	--	--	100	99	90	78	31	8
29...	0830	--	--	--	--	--	100	97	56	19
29...	0900	--	100	98	--	97	91	66	38	35
DEC										
19...	1300	--	--	--	100	99	66	4	0	0
19...	1400	--	--	--	--	100	96	44	30	30
19...	1430	--	100	97	--	94	88	71	55	52
19...	1500	83	72	70	--	69	66	44	21	20
JAN, 1985										
16...	1100	--	--	--	--	100	91	14	0	0
16...	1130	--	--	--	--	100	92	48	19	12
16...	1200	--	--	--	--	100	96	49	5	3
16...	1230	--	--	--	100	99	98	88	79	75
16...	1300	100	75	70	--	69	66	48	41	40
FEB										
13...	1000	--	--	--	--	100	94	3	0	0
13...	1030	--	--	--	--	100	95	45	2	1
13...	1100	--	--	--	--	100	99	84	68	62
13...	1130	--	100	99	--	98	96	85	74	71
MAR										
13...	0930	--	--	--	--	100	93	16	0	0
13...	1000	--	--	--	--	100	93	59	12	0
13...	1030	--	--	--	100	96	90	45	6	5
13...	1100	--	--	--	--	100	89	47	9	1
13...	1200	65	52	49	--	49	46	37	28	27
APR										
10...	1000	--	--	--	--	100	96	44	1	1
10...	1030	--	--	100	--	99	96	66	32	23
10...	1100	--	--	--	--	100	94	49	10	7
10...	1130	--	100	95	--	95	92	70	32	27
10...	1200	100	58	52	--	50	49	38	25	23
MAY										
15...	1000	--	--	100	--	99	98	42	0	0
15...	1030	--	--	--	--	100	99	62	3	1
15...	1100	--	--	100	--	99	91	60	28	22
15...	1130	--	100	71	--	71	68	48	23	22
JUN										
12...	1330	--	--	--	--	100	97	40	0	0
12...	1430	100	98	91	--	90	85	66	10	5

07047815 CROSS COUNTY DITCH NEAR BIRDEYE, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	TEMPERATURE (DEG C) (00010)
NOV, 1984								
29...	1320	80513	80513	67	28.16	8270	.10	8.0
DEC								
20...	0900	80513	80513	67	31.31	11100	.20	11.5
JAN, 1985								
16...	1400	80513	80513	67	36.64	16300	.20	.0
16...	1430	80513	80513	68	--	751	.20	.0
FEB								
13...	1330	80513	80513	67	29.55	9630	.20	1.0
MAR								
13...	1330	80513	80513	67	34.06	14300	.00	11.0
APR								
10...	1400	80513	80513	67	34.10	15400	.20	12.5
MAY								
15...	1230	80513	80513	67	29.56	8960	.20	21.0
JUN								
13...	0800	80513	80513	67	22.82	3220	.20	22.0

DATE	TIME	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)
NOV, 1984								
29...	1320	346	7730	100	99	98	74	69
DEC								
20...	0900	232	6950	100	99	98	78	69
JAN, 1985								
16...	1400	107	4710	100	98	93	55	48
16...	1430	77	156	100	96	75	69	69
FEB								
13...	1330	181	4710	--	100	86	40	34
MAR								
13...	1330	122	4710	--	100	94	64	57
APR								
10...	1400	193	8020	--	100	95	63	55
MAY								
15...	1230	186	4500	--	155	98	93	90
JUN								
13...	0800	117	1020	--	100	99	96	91

DATE	TIME	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
NOV, 1984								
29...	1320	--	--	100	94	50	0	0
DEC								
20...	0900	--	--	100	99	78	1	1
JAN, 1985								
16...	1400	--	--	100	99	65	13	8
16...	1430	--	--	100	97	95	91	89
FEB								
13...	1330	100	87	86	82	49	13	11
MAR								
13...	1330	--	--	100	99	76	0	0
APR								
10...	1400	--	--	100	99	77	0	0
MAY								
15...	1230	--	--	100	92	52	3	2
JUN								
13...	0800	--	--	100	98	70	2	1

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

NOTE.--Water-discharge records are not available for inclusion in this report. They will be published in a subsequent report.

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.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1984											
24...	1200	80513	80513	67	20.05	11600	.00	130	7.4	14.0	6.7
NOV											
13...	1300	80513	80010	--	--	9660	--	176	7.4	11.0	7.8
29...	1430	80513	80513	67	18.74	10500	.00	112	7.7	8.0	9.0
DEC											
20...	1000	80513	80513	67	20.58	15000	.20	210	7.8	12.0	8.3
JAN, 1985											
16...	1300	80513	80010	--	--	20200	--	157	7.4	1.5	12.9
16...	1430	80513	80513	67	26.94	20200	.20	157	7.4	1.5	12.9
FEB											
13...	1500	80513	80513	67	18.80	10600	.20	178	7.8	.0	12.6
MAR											
13...	1430	80513	80513	67	24.31	16600	.00	190	7.8	12.0	9.5
19...	1230	80513	80010	--	--	13500	--	200	7.4	13.5	8.8
APR											
10...	1630	80513	80513	67	23.30	15100	.20	146	7.5	14.0	8.9
24...	1230	80513	80010	--	--	14300	--	149	7.3	20.5	6.4
MAY											
15...	1330	80513	80513	67	19.26	10200	.20	259	7.6	21.0	6.3
JUN											
13...	0900	80513	80513	67	11.75	3500	.20	286	8.0	22.0	7.3
25...	0945	80513	80010	--	--	6590	--	198	8.0	27.0	6.5
JUL											
17...	0830	80513	80513	67	11.30	3310	.20	250	7.9	25.0	6.2
AUG											
13...	1330	80513	80513	67	9.08	1050	.20	350	8.2	28.0	8.9
SEP											
04...	0800	80513	80010	--	--	1140	--	252	8.3	25.5	6.6
17...	1230	80513	80513	67	8.72	978	.20	319	8.0	20.5	8.6

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)	HARDNSSS (MG/L AS CACO3) (00900)	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, 1984											
24...	1200	65	765	--	--	--	--	--	--	--	--
NOV											
13...	1300	70	768	K160	590	77	0	20	6.6	3.8	9
29...	1430	77	753	--	--	--	--	--	--	--	--
DEC											
20...	1000	77	762	--	--	--	--	--	--	--	--
JAN, 1985											
16...	1300	92	764	K26	2900	70	0	18	6.0	3.2	9
16...	1430	92	764	--	--	--	--	--	--	--	--
FEB											
13...	1500	86	765	--	--	--	--	--	--	--	--
MAR											
13...	1430	88	760	--	--	--	--	--	--	--	--
19...	1230	84	763	K22	310	91	8	24	7.6	5.5	11
APR											
10...	1630	86	764	--	--	--	--	--	--	--	--
24...	1230	71	759	460	5100	64	2	17	5.1	1.5	5
MAY											
15...	1330	71	761	--	--	--	--	--	--	--	--
JUN											
13...	0900	83	764	--	--	--	--	--	--	--	--
25...	0945	82	763	K130	1200	86	2	22	7.5	4.6	10
JUL											
17...	0830	75	761	--	--	--	--	--	--	--	--
AUG											
13...	1330	114	759	--	--	--	--	--	--	--	--
SEP											
04...	0800	81	760	K66	260	120	2	31	10	6.1	10
17...	1230	96	759	--	--	--	--	--	--	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	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)
NOV, 1984										
13...	1300	.2	3.3	78	10	5.0	<.10	11	131	110
JAN, 1985										
16...	1300	.2	1.8	70	9.5	4.0	.10	9.0	96	94
MAR										
19...	1230	.3	1.9	84	13	5.8	.10	6.8	138	120
APR										
24...	1230	.0	.80	62	10	3.4	<.10	6.9	83	82
JUN										
25...	0945	.2	1.9	84	9.0	5.0	<.10	11	125	110
SEP										
04...	0800	.3	1.9	117	14	6.5	.10	13	158	150

DATE	TIME	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)
NOV, 1984										
13...	1300	.18	<.10	.030	.40	.160	.060	90	1	96
JAN, 1985										
16...	1300	.13	.22	.150	.80	.120	.040	--	--	--
MAR										
19...	1230	.19	<.10	.040	.40	.140	.010	30	1	160
APR										
24...	1230	.11	.16	.160	.90	.170	.050	60	2	36
JUN										
25...	0945	.17	.25	.030	1.6	.130	.070	--	--	--
SEP										
04...	0800	.21	.10	.050	.50	.110	.100	20	1	140

DATE	TIME	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)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)
NOV, 1984										
13...	1300	.0	<1	<1	<3	6	120	5	14	<.1
MAR, 1985										
19...	1230	<.5	<1	<1	<3	7	89	1	18	<.1
APR										
24...	1230	<.5	<1	<1	<3	2	7	1	6	.2
SEP										
04...	0800	.5	<1	<1	<3	3	14	1	7	<.1

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	MOLYBDENUM, DISSOLVED (UG/L AS MO) (01060)	NICKEL, DISSOLVED (UG/L AS NI) (01065)	SELENIUM, DISSOLVED (UG/L AS SE) (01145)	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
OCT, 1984										
24...	1200	--	--	--	--	--	240	7520	--	100
NOV										
13...	1300	<10	3	<1	70	17	64	1670	--	--
29...	1430	--	--	--	--	--	225	6380	--	100
DEC										
20...	1000	--	--	--	--	--	205	8300	--	100
JAN, 1985										
16...	1300	--	--	--	--	--	35	1910	--	--
16...	1430	--	--	--	--	--	106	5780	100	99
FEB										
13...	1500	--	--	--	--	--	172	4920	100	99
MAR										
13...	1430	--	--	--	--	--	119	5330	--	100
19...	1230	<10	6	<1	87	49	76	2770	--	--
APR										
10...	1630	--	--	--	--	--	181	7380	--	100
24...	1230	<10	<1	<1	37	35	107	4130	--	--
MAY										
15...	1330	--	--	--	--	--	231	6360	--	100
JUN										
13...	0900	--	--	--	--	--	144	1360	--	100
25...	0945	--	--	--	--	--	156	2780	--	--
JUL										
17...	0830	--	--	--	--	--	101	903	--	100
AUG										
13...	1330	--	--	--	--	--	74	210	--	100
SEP										
04...	0800	<10	2	<1	99	6	55	169	--	--
17...	1230	--	--	--	--	--	73	193	--	100

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
OCT, 1984										
24...	1200	99	90	70	--	100	99	83	1	0
NOV										
29...	1430	99	82	78	--	100	99	67	1	1
DEC										
20...	1000	99	82	71	--	100	99	79	13	9
JAN, 1985										
16...	1430	78	51	46	--	100	98	85	54	47
FEB										
13...	1500	95	43	36	--	100	98	66	0	0
MAR										
13...	1430	98	73	65	100	99	87	17	0	0
APR										
10...	1630	99	74	57	--	100	99	71	1	1
MAY										
15...	1330	96	75	71	--	100	99	65	0	0
JUN										
13...	0900	97	81	78	--	100	99	70	0	0
JUL										
17...	0830	99	89	85	--	100	99	58	1	1
AUG										
13...	1330	98	86	85	--	100	82	23	1	1
SEP										
17...	1230	97	87	80	--	100	98	41	0	0

07047904 CLARK CORNER CUTOFF NEAR COLT, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	TEMPERATURE (DEG C) (00010)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
NOV, 1984											
30...	0900	80513	80513	67	28.77	9230	.20	8.0	296	7380	100
JAN, 1985											
17...	0830	80513	80513	67	37.14	21400	.20	.5	108	6240	100
MAR											
14...	0900	80513	80513	67	37.06	15900	.00	11.0	79	3390	100
APR											
11...	0900	80513	80513	67	34.92	15800	.20	14.0	225	9600	100
MAY											
16...	0930	80513	80513	67	28.90	12200	.20	21.0	203	6690	100
JUN											
13...	1100	80513	80513	67	22.63	3950	.20	22.0	148	1580	100

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
NOV, 1984										
30...	0900	98	76	70	--	100	54	12	1	1
JAN, 1985										
17...	0830	98	48	44	100	99	70	52	45	34
MAR										
14...	0900	98	92	87	--	100	87	11	1	1
APR										
11...	0900	99	90	75	--	100	82	14	4	1
MAY										
16...	0930	99	89	84	--	100	86	7	1	0
JUN										
13...	1100	98	82	77	--	100	98	72	18	16

07047907 ST. FRANCIS RIVER AT MADISON, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (US/CM) (00095)	METRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1984											
25...	0800	80513	80513	67	14.25	11800	.00	14.0	130	765	6.8
NOV											
30...	1040	80513	80513	67	12.98	10500	.20	8.0	155	759	9.1
DEC											
20...	1330	80513	80513	67	15.42	12500	.20	12.0	210	762	8.1
JAN, 1985											
17...	1030	80513	80513	67	21.75	20600	.20	.0	165	760	13.0
FEB											
14...	1000	80513	80513	67	13.70	11800	.20	.0	187	765	13.2
MAR											
14...	1030	80513	80513	67	24.00	15700	.00	11.0	180	765	9.1
APR											
11...	0900	80513	80513	67	20.70	12200	.20	14.0	148	766	8.6
MAY											
16...	1030	80513	80513	67	13.12	10700	.20	21.0	234	759	7.3
JUN											
13...	1300	80513	80513	67	5.16	3720	.20	23.0	261	764	7.8
JUL											
17...	1100	80513	80513	67	4.23	3280	.20	27.0	220	763	7.1
AUG											
14...	0930	80513	80513	67	1.00	1200	.20	27.0	303	758	7.1
SEP											
18...	0900	80513	80513	67	.37	1060	.20	19.5	270	763	8.0

DATE	TIME	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	PH (STANDARD UNITS) (00400)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN 1.00 MM (70346)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
OCT, 1984											
25...	0800	66	7.6	196	6240	--	100	99	90	78	--
NOV											
30...	1040	77	7.2	543	15400	--	100	99	86	54	--
DEC											
20...	1330	75	7.6	229	7730	100	99	99	93	83	--
JAN, 1985											
17...	1030	89	7.7	94	5230	--	100	97	62	58	100
FEB											
14...	1000	90	7.9	84	2680	--	100	98	80	70	--
MAR											
14...	1030	82	7.8	75	3180	100	97	97	96	90	--
APR											
11...	0900	83	7.6	127	4180	--	100	97	92	89	--
MAY											
16...	1030	82	7.7	207	5980	--	100	98	92	87	100
JUN											
13...	1300	91	8.0	129	1300	--	100	99	96	91	--
JUL											
17...	1100	89	7.9	151	1340	--	--	100	99	87	--
AUG											
14...	0930	90	8.0	70	227	--	100	99	99	95	--
SEP											
18...	0900	87	8.2	149	426	--	100	99	99	97	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
OCT, 1984										
25...	0800	--	--	--	--	100	93	16	0	0
NOV										
30...	1040	100	93	91	--	89	68	17	8	6
DEC										
20...	1330	--	--	--	--	100	99	94	88	72
JAN, 1985										
17...	1030	90	62	53	--	52	26	3	1	1
FEB										
14...	1000	--	100	98	--	97	64	3	0	0
MAR										
14...	1030	--	--	--	100	99	74	5	1	1
APR										
11...	0900	--	--	--	100	99	71	7	1	1
MAY										
16...	1030	85	68	48	--	45	9	5	0	0
JUN										
13...	1300	100	98	89	--	86	68	56	4	1
JUL										
17...	1100	--	100	98	--	98	80	66	6	1
AUG										
14...	0930	--	--	--	--	100	88	67	8	2
SEP										
18...	0900	--	--	--	--	100	98	94	10	1

07047942 L'ANGUILLE RIVER NEAR COLT, ARK.

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 above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Water-discharge records good.

AVERAGE DISCHARGE.--15 years, 768 ft^3/s, 19.49 in/yr, 556,400 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, 5,200 ft^3/s Nov. 30, gage height, 14.49 ft; minimum, 24 ft^3/s Sept. 30, gage height, 2.74 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	476	1260	4400	1390	701	1240	434	1430	454	175	103	338
2	423	1630	3750	1320	702	1110	486	1420	433	146	93	310
3	363	1530	3180	1290	711	994	522	1290	404	117	82	281
4	302	1620	2630	1260	709	935	526	1230	364	87	72	253
5	241	1670	2270	1130	703	880	517	1140	322	63	61	233
6	190	1530	2000	1010	676	800	506	1000	279	53	64	219
7	202	1360	1770	940	647	742	485	894	241	45	65	212
8	163	1180	1590	948	638	684	462	856	207	43	66	216
9	136	1040	1440	956	612	624	441	781	186	42	65	205
10	183	1440	1280	1090	621	568	414	720	209	41	67	189
11	366	1250	1120	1180	1340	514	377	645	346	41	76	180
12	344	1200	986	1140	1500	469	336	570	257	41	99	169
13	405	1380	895	1060	1690	431	290	496	201	40	162	162
14	441	1450	827	989	1750	398	319	431	174	40	216	159
15	461	1370	775	922	1600	366	382	364	147	40	242	162
16	469	1220	751	864	1460	331	380	310	116	139	278	165
17	489	1050	743	901	1330	295	459	319	98	119	287	166
18	460	1210	724	855	1210	254	495	350	268	64	335	160
19	1140	1560	692	800	1110	215	492	347	204	57	402	155
20	1290	1430	1160	762	1010	183	473	322	164	65	497	140
21	1770	1470	1930	717	964	191	459	298	152	67	508	120
22	2130	1480	2240	691	927	304	447	292	286	71	488	92
23	3380	1360	2610	622	895	270	751	314	422	71	466	64
24	4110	1210	2550	578	1060	274	1710	475	330	69	451	45
25	3200	1080	2270	536	1210	303	1510	649	295	59	439	37
26	2630	1000	1970	483	1530	325	1450	708	270	50	423	42
27	2170	2360	1710	449	1580	344	1620	692	262	63	416	41
28	1880	3680	1510	470	1420	356	1560	631	258	80	412	46
29	1690	4450	1330	481	---	355	1310	572	231	93	401	40
30	1470	4870	1220	488	---	355	1180	525	200	105	383	29
31	1320	---	1180	706	---	413	---	482	---	107	361	---
TOTAL	34294	50340	53503	27028	30306	15523	20793	20553	7780	2293	8080	4630
MEAN	1106	1678	1726	872	1082	501	693	663	259	74.0	261	154
MAX	4110	4870	4400	1390	1750	1240	1710	1430	454	175	508	338
MIN	136	1000	692	449	612	183	290	292	98	40	61	29
CFSM	2.07	3.14	3.23	1.63	2.02	.94	1.30	1.24	.48	.14	.49	.29
IN.	2.38	3.50	3.72	1.88	2.11	1.08	1.45	1.43	.54	.16	.56	.32
AC-FT	68020	99850	106100	53610	60110	30790	41240	40770	15430	4550	16030	9180

CAL YR 1984	TOTAL	401193	MEAN	1096	MAX	4870	MIN	16	CFSM	2.05	IN.	27.90	AC-FT	795800
WTR YR 1985	TOTAL	275123	MEAN	754	MAX	4870	MIN	29	CFSM	1.41	IN.	19.13	AC-FT	545700

07047942 L'ANGUILLE RIVER NEAR COLT, ARK.--CONTINUED

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
OCT, 1984											
24...	1500	80513	80513	67	14.45	2550	.00	145	7.1	14.0	5.3
24...	1530	80513	80513	68	--	1490	.00	138	7.1	12.0	6.5
NOV											
14...	0745	80513	80010	--	--	1600	--	135	7.1	10.5	5.8
30...	0730	80513	80513	67	14.41	3120	.00	90	7.2	8.0	8.1
30...	0745	80513	80513	68	--	1830	.00	102	7.1	8.0	8.1
DEC											
20...	1200	80513	80513	67	12.26	1050	.20	153	7.5	11.0	8.1
20...	1230	80513	80513	68	--	92	.20	127	7.3	9.0	9.6
JAN, 1985											
16...	0800	80513	80010	--	--	849	--	130	7.4	1.0	12.4
16...	1600	80513	80513	67	11.80	849	.00	155	7.6	.5	13.1
FEB											
14...	0800	80513	80513	67	12.94	1300	.20	98	7.6	-1.0	12.4
14...	0830	80513	80513	68	--	440	.20	91	7.5	-1.0	12.2
MAR											
14...	0800	80513	80513	67	9.60	400	.00	162	7.7	13.0	7.0
20...	1100	80513	80010	--	--	173	--	181	7.5	14.5	6.6
APR											
11...	0800	80513	80513	67	9.08	384	.00	139	7.5	14.5	6.6
24...	0730	80513	80010	--	--	1380	--	51	7.4	19.0	6.5
MAY											
16...	0830	80513	80513	67	7.51	314	.00	156	7.3	21.5	4.0
JUN											
13...	1000	80513	80513	67	5.87	203	.20	295	7.7	22.0	4.3
25...	1100	80513	80010	--	--	296	--	282	7.8	28.0	4.5
JUL											
16...	1630	80513	80513	67	5.94	191	.00	250	7.3	23.0	3.4
AUG											
13...	1515	80513	80513	67	5.70	174	.20	495	7.9	28.0	5.9
SEP											
04...	0930	80513	80010	--	--	25(	--	430	8.1	26.0	4.3
18...	1030	80513	80513	67	5.69	152	.20	424	7.8	19.5	5.9

07047942 L'ANGUILLE RIVER NEAR COLT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)
OCT, 1984										
24...	1500	51	764	--	--	--	--	--	--	--
24...	1530	60	764	--	--	--	--	--	--	--
NOV										
14...	0745	52	765	K67	750	51	1	13	4.5	4.7
30...	0730	69	752	--	--	--	--	--	--	--
30...	0745	69	752	--	--	--	--	--	--	--
DEC										
20...	1200	73	762	--	--	--	--	--	--	--
20...	1230	83	762	--	--	--	--	--	--	--
JAN, 1985										
16...	0800	87	762	K53	320	55	2	14	4.8	5.2
16...	1600	91	758	--	--	--	--	--	--	--
FEB										
14...	0800	82	765	--	--	--	--	--	--	--
14...	0830	81	765	--	--	--	--	--	--	--
MAR										
14...	0800	66	765	--	--	--	--	--	--	--
20...	1100	65	761	K44	3600	67	0	17	5.9	8.1
APR										
11...	0800	64	765	--	--	--	--	--	--	--
24...	0730	70	758	3000	K34000	17	2	4.4	1.5	9.6
MAY										
16...	0830	46	759	--	--	--	--	--	--	--
JUN										
13...	1000	49	764	--	--	--	--	--	--	--
25...	1100	58	761	K430	1800	110	11	26	11	14
JUL										
16...	1630	40	760	--	--	--	--	--	--	--
AUG										
13...	1515	76	757	--	--	--	--	--	--	--
SEP										
04...	0930	53	761	110	1200	180	0	44	18	.70
18...	1030	64	764	--	--	--	--	--	--	--

DATE	TIME	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	NITROGEN, NITRATE TOTAL (MG/L AS N) (00620)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)
NOV, 1984										
14...	0745	15	.3	4.8	50	10	6.5	.10	.06	--
JAN, 1985										
16...	0800	16	.3	3.0	53	7.0	5.5	.10	.18	.21
MAR										
20...	1100	20	.4	2.4	70	9.4	7.1	.20	.47	--
APR										
24...	0730	54	1	.40	15	4.4	11	<.10	.33	.39
JUN										
25...	1100	21	.6	3.3	99	27	15	.20	.45	.38
SEP										
04...	0930	0	.0	3.1	190	15	20	.20	.19	--

07047942 L'ANGUILLE RIVER NEAR COLT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
NOV, 1984										
14...	0745	.040	<.010	.10	<.10	.300	.130	.30	.27	.60
JAN, 1985										
16...	0800	.020	.020	.20	.23	.100	.130	.70	.37	.80
MAR										
20...	1100	.030	<.010	.50	.40	.150	.080	1.3	.72	1.4
APR										
24...	0730	.070	.020	.40	.41	.180	.100	1.7	1.2	1.9
JUN										
25...	1100	--	.050	.50	.43	.140	.150	1.3	.55	1.4
SEP										
04...	0930	.010	<.010	.20	.15	.070	.060	.63	.44	.70

DATE	TIME	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	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)
NOV, 1984										
14...	0745	--	.40	.70	--	.210	.060	3400	2	<20
JAN, 1985										
16...	0800	--	.50	1.0	--	.140	.040	--	--	<20
MAR										
20...	1100	--	.80	1.9	--	.350	.040	--	--	40
APR										
24...	0730	--	1.3	2.3	--	.380	.090	3200	3	90
JUN										
25...	1100	.70	.70	1.9	1.1	.140	.060	--	--	<20
SEP										
04...	0930	.20	.50	.90	.65	.170	.120	--	--	20

DATE	TIME	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)	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)
NOV, 1984										
14...	0745	<1	9	1	8	5000	180	.1	6	<1
APR, 1985										
24...	0730	1	3	9	33	23000	900	.1	28	<1

07047942 L'ANGUILLE RIVER NEAR COLT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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 1.00 MM (70346)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
OCT, 1984										
24...	1500	--	262	1800	--	100	99	98	97	--
24...	1530	--	46	185	--	100	99	98	98	--
NOV										
14...	0745	20	68	294	--	--	--	--	--	--
30...	0730	--	155	1310	--	100	99	99	99	--
30...	0745	--	160	791	--	100	98	97	96	100
DEC										
20...	1200	--	152	431	--	100	99	99	99	--
20...	1230	--	227	56	--	100	98	97	97	--
JAN, 1985										
16...	0800	--	20	46	--	--	--	--	--	--
16...	1600	--	69	158	100	98	92	87	84	--
FEB										
14...	0800	--	156	548	--	100	99	98	97	--
14...	0830	--	70	83	--	100	95	91	90	--
MAR										
14...	0800	--	77	83	--	G00	99	99	98	--
20...	1100	--	192	90	--	--	--	--	--	--
APR										
11...	0800	--	157	163	--	--	--	--	100	--
24...	0730	70	503	1870	--	--	--	--	--	--
MAY										
16...	0830	--	159	135	--	--	--	--	100	--
JUN										
13...	1000	--	195	107	--	100	99	99	98	--
25...	1100	--	141	113	--	--	--	--	--	--
JUL										
16...	1630	--	377	194	--	--	--	--	100	--
AUG										
13...	1515	--	117	55	--	--	100	99	99	--
SEP										
04...	0930	--	106	72	--	--	--	--	--	--
18...	1030	--	228	94	--	100	99	99	99	--

DATE	TIME	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. FALL DIAM. % FINER THAN 2.00 MM (80163)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
OCT, 1984										
24...	1500	--	--	--	--	--	100	99	98	98
24...	1530	100	55	50	--	48	43	40	37	34
NOV										
30...	0730	--	--	--	--	100	99	99	98	98
30...	0745	52	43	40	--	38	27	22	20	19
DEC										
20...	1200	--	--	--	--	100	98	97	97	95
20...	1230	--	--	--	100	97	92	91	89	87
JAN, 1985										
16...	1600	--	--	--	--	100	99	99	98	98
FEB										
14...	0800	--	--	--	--	100	99	98	97	96
14...	0830	--	100	96	--	95	92	90	88	87
MAR										
14...	0800	--	--	--	--	100	99	98	95	91
APR										
11...	0800	--	--	--	--	100	99	99	98	97
MAY										
16...	0830	--	--	--	--	--	100	99	98	95
JUN										
13...	1000	--	--	--	--	--	100	99	99	98
JUL										
16...	1630	--	--	--	--	--	--	--	100	99
AUG										
13...	1515	--	--	--	--	100	99	99	99	97
SEP										
18...	1030	--	--	--	--	--	--	100	99	99

07047947 SECOND CREEK NEAR PALESTINE, ARK.

LOCATION.--Lat 35°02'20", long 90°54'40", in SW 1/4 SE 1/4 sec.17, T.5 N., R.2 E., St. Francis County, Hydrologic Unit 08020205, at bridge on county road, 4 mi north of Palestine.

PERIOD OF RECORD.--June 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)
OCT, 1984										
09...	0915	9827	9827	7.3	20.0	4.5	21.0	230	2.2	35
NOV										
20...	0920	9827	9827	6.8	7.0	4.1	4.0	K35	1.1	70
DEC										
04...	0945	9827	9827	6.8	7.0	5.4	3.0	K20	1.4	65
JAN, 1985										
08...	0915	9827	9827	6.9	4.0	9.9	4.0	K72	2.4	--
FEB										
26...	0900	9827	9827	6.7	11.0	5.6	7.0	1100	2.6	140
MAR										
26...	0730	9827	9827	7.4	13.0	7.5	16.0	--	3.3	110
APR										
23...	0930	9827	9827	--	19.0	6.2	22.0	1300	4.4	95
MAY										
21...	0920	9827	9827	7.2	22.0	3.8	23.0	K28	2.1	90
JUN										
18...	0945	9827	9827	7.0	24.0	4.9	23.0	3600	--	--
JUL										
23...	0900	9827	9827	7.6	26.0	4.7	24.0	K60	1.7	7.0
AUG										
20...	0900	9827	9827	7.7	25.0	3.6	22.0	200	1.8	50
SEP										
24...	0930	9827	9827	8.1	19.0	6.5	16.0	K8	1.1	4.0

DATE	TIME	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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)
OCT, 1984										
09...	0915	--	130	8.0	32	209	36	.06	--	.100
NOV										
20...	0920	--	40	--	8.0	148	22	.13	.100	.210
DEC										
04...	0945	--	38	9.0	8.5	149	12	.05	.080	.180
JAN, 1985										
08...	0915	--	48	5.0	9.0	129	17	.09	.080	--
FEB										
26...	0900	--	40	6.0	9.0	207	64	.21	.210	--
MAR										
26...	0730	3	46	10	6.5	181	80	.25	.160	.250
APR										
23...	0930	--	48	9.0	4.0	134	72	.17	.090	.310
MAY										
21...	0920	--	48	6.0	6.5	178	42	.16	.460	.310
JUN										
18...	0945	--	--	12	15	154	102	.39	--	.280
JUL										
23...	0900	--	110	5.0	19	179	11	.13	.160	.100
AUG										
20...	0900	--	170	7.0	36	257	64	.13	.090	.150
SEP										
24...	0930	--	230	8.0	51	323	2	.07	.080	.100

07047947 SECOND CREEK NEAR PALESTINE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1984									
09...	0915	.090	--	<1	<1	<10	8	--	60
NOV									
20...	0920	.160	<5	<1	3	17	--	<5	60
DEC									
04...	0945	.090	--	1	5	<10	7	--	70
JAN, 1985									
08...	0915	.110	5	<1	4	26	8	<5	--
FEB									
26...	0900	.150	--	<1	6	36	--	--	110
MAR									
26...	0730	.170	--	<1	3	20	12	--	--
APR									
23...	0930	.170	11	1	3	17	16	<1	100
MAY									
21...	0920	--	--	<1	3	28	9	--	--
JUN									
18...	0945	.120	--	<1	<1	21	9	--	--
JUL									
23...	0900	.070	3	<1	2	<15	29	<1	--
AUG									
20...	0900	.080	--	<1	1	<15	4	--	40
SEP									
24...	0930	.060	--	<1	<1	16	6	--	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)
OCT, 1984									
09...	0915	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
FEB, 1985									
26...	0900	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
APR									
23...	0930	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
AUG									
20...	0900	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07047964 L'ANGUILLE RIVER AT MARIANNA, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)
OCT, 1984										
09...	1020	9827	9827	6.8	20.0	6.1	20.0	>600	2.4	60
NOV										
20...	1030	9827	9827	7.0	8.0	8.2	6.0	2000	2.5	80
DEC										
04...	1045	9827	9827	6.9	8.0	8.1	5.0	K90	2.1	90
JAN, 1985										
08...	1015	9827	9827	7.0	4.0	9.2	5.0	K88	2.0	--
FEB										
26...	1000	9827	9827	6.6	11.0	8.2	8.0	380	3.7	170
MAR										
26...	1030	9827	9827	7.0	14.0	5.9	18.0	--	--	40
APR										
23...	1030	9827	9827	--	20.0	4.2	22.0	4600	3.2	110
MAY										
21...	1015	9827	9827	7.2	23.0	5.1	25.0	K30	3.5	95
JUN										
18...	1045	9827	9827	7.1	24.0	4.2	24.0	4500	--	--
JUL										
23...	1000	9827	9827	7.8	27.0	5.9	25.0	300	2.9	30
AUG										
20...	1010	9827	9827	7.8	26.0	6.5	23.0	4600	2.8	65
SEP										
24...	1045	9827	9827	8.1	21.0	7.2	17.0	K64	2.0	35

DATE	TIME	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, 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)
OCT, 1984									
09...	1020	98	11	11	161	75	.23	--	.260
NOV									
20...	1030	58	--	7.5	153	37	.14	.130	.340
DEC									
04...	1045	38	11	3.5	154	30	.10	.120	.280
JAN, 1985									
08...	1015	52	7.0	7.5	122	13	<.01	.580	--
FEB									
26...	1000	28	11	7.0	165	113	1.3	.270	--
MAR									
26...	1030	42	9.0	5.0	121	20	.10	.080	.170
APR									
23...	1030	54	13	6.5	175	103	.36	.190	.390
MAY									
21...	1015	84	10	7.5	177	75	.43	.270	.400
JUN									
18...	1045	--	14	10	186	148	.80	--	.420
JUL									
23...	1000	180	17	18	247	46	.69	.180	.210
AUG									
20...	1010	200	17	24	279	113	.31	.110	.280
SEP									
24...	1045	210	23	24	289	21	.30	.180	.270

07047964 L'ANGUILLE RIVER AT MARIANNA, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1984									
09...	1020	.170	--	<1	5	<10	3	--	30
NOV									
20...	1030	.250	<5	<1	3	<10	--	<5	20
DEC									
04...	1045	.220	--	<1	9	<10	4	--	30
JAN, 1985									
08...	1015	.210	5	<1	5	12	3	<5	--
FEB									
26...	1000	.260	--	<1	13	13	--	--	210
MAR									
26...	1030	.100	--	<1	3	4	3	--	--
APR									
23...	1030	.220	14	<1	5	<15	6	1	160
MAY									
21...	1015	--	--	<1	3	<15	2	--	--
JUN									
18...	1045	.150	--	<1	5	<15	4	--	--
JUL									
23...	1000	.070	9	<1	5	<15	3	<1	--
AUG									
20...	1010	.110	--	<1	2	<15	2	--	10
SEP									
24...	1045	.100	--	<1	1	<15	4	--	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)
OCT, 1984									
09...	1020	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
FEB, 1985									
26...	1000	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
APR									
23...	1030	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
AUG									
20...	1010	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07048550 WEST FORK WHITE RIVER EAST OF FAYETTEVILLE, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984									
16...	1237	9827	9827	7.6	19.0	6.9	18.0	1100	1.9
NOV									
13...	0806	9827	9827	7.5	8.0	10.3	8.0	K56	--
DEC									
11...	1323	9827	9827	7.5	10.0	10.8	19.0	K36	.5
JAN, 1985									
15...	0758	9827	9827	7.3	.0	13.2	-8.0	K24	--
FEB									
19...	0652	9827	9827	7.4	5.0	14.3	.0	310	1.1
MAR									
19...	1548	9827	9827	7.7	--	11.2	--	--	1.6
APR									
16...	1357	9827	9827	7.6	18.0	10.0	29.0	K32	1.5
MAY									
14...	1436	9827	9827	7.6	21.0	7.7	20.0	--	1.6
JUN									
11...	1250	9827	9827	7.9	22.0	8.0	25.0	270	--
JUL									
15...	1445	9827	9827	7.8	31.0	8.4	37.0	K24	3.4
AUG									
13...	1330	9827	9827	7.9	30.0	6.8	31.0	--	2.0
SEP									
10...	1404	9827	9827	7.8	29.0	7.1	37.0	96	2.4

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984									
16...	1237	25	98	37	6.0	--	--	.20	.080
NOV									
13...	0806	7.0	66	19	5.0	109	8	.85	.010
DEC									
11...	1323	7.0	--	19	4.5	92	7	.68	.030
JAN, 1985									
15...	0758	10	62	17	5.0	96	12	.81	.010
FEB									
19...	0652	15	70	20	8.0	104	12	.62	.050
MAR									
19...	1548	2.0	52	14	3.0	87	8	.40	.050
APR									
16...	1357	8.0	58	11	--	85	10	--	.070
MAY									
14...	1436	20	64	13	5.0	83	22	.24	.080
JUN									
11...	1250	8.0	140	14	6.5	187	9	2.1	.050
JUL									
15...	1445	8.0	100	13	5.0	136	16	.08	.080
AUG									
13...	1330	15	120	22	4.5	191	24	.33	.020
SEP									
10...	1404	15	110	25	6.5	144	24	.11	.060

07048550 WEST FORK WHITE RIVER EAST OF FAYETTEVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)
OCT, 1984									
16...	1237	.090	.060	1	3	10	18	30	--
NOV									
13...	0806	.030	--	3	1	27	57	60	--
DEC									
11...	1323	--	.020	1	2	--	--	--	--
JAN, 1985									
15...	0758	.060	<.010	17	2	--	--	--	--
FEB									
19...	0652	.050	.020	6	<1	19	110	30	--
MAR									
19...	1548	--	.030	1	1	<15	13	20	--
APR									
16...	1357	--	.050	1	1	<15	4	10	--
MAY									
14...	1436	.090	.050	<1	--	<15	4	--	--
JUN									
11...	1250	.190	.160	<1	<1	<15	1	40	--
JUL									
15...	1445	.060	<.010	<1	<1	<15	1	20	--
AUG									
13...	1330	.080	.060	<1	4	<15	2	<10	--
SEP									
10...	1404	.090	.010	<1	1	<15	2	10	<.001

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)
SEP, 1985								
10...	1404	<.001	<.002	<.001	<.001	<.01	<.01	<1

07048600 WHITE RIVER NEAR FAYETTEVILLE, ARK.

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 above National Geodetic Vertical Datum of 1929.
REMARKS.--Estimated daily discharges: Oct. 8-22. Records good, except for estimated daily discharges, which are fair. Satellite telemeter at station.
AVERAGE DISCHARGE.--22 years, 527 ft^3/s, 17.89 in/yr, 381,800 acre-ft/yr.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,200 ft^3/s Nov. 25, 1973, gage height, 30.29 ft, from rating curve extended above 35,600 ft^3/s, minimum, 0.10 ft^3/s Oct. 3, 1982, gage height, 0.92 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 25	1900	8,020	13.57	Feb. 23	1600	*50,300	*25.98
Nov. 1	2300	10,600	15.69	Mar. 30	1100	28,600	21.95
Nov. 8	1200	14,200	17.67	Apr. 30	2300	8,520	14.01
Dec. 21	1900	27,800	21.78				

Minimum discharge, 5.5 ft^3/s July 15, 16, gage height 1.07 ft.
REVISIONS.--Some peak discharges and the annual maximum (*) discharges for the water years 1966, 1968-69, 1971-75, 1977-79, and 1982-83, have been revised as shown in the following table. They supersede figures published in the reports 1966, 1968-69, 1971-75, 1977-79, and 1982-83.

Water Year	Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Water Year	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
1966	Jan. 2, 1966	0100	29,500	22.15	1974	Nov. 25, 1973	0500	*80,200	*30.29
	Feb. 9, 1966	1530	*44,700	*24.92		June 9, 1974	1200	34,200	23.11
	Apr. 24, 1966	0800	22,000	20.30	1975	Nov. 4, 1974	0600	*28,500	*21.93
1968	Oct. 30, 1967	2200	*31,000	*22.48	1977	Mar. 27, 1977	2000	*24,300	*20.94
	Feb. 1, 1968	1300	16,400	18.49	1978	Mar. 24, 1978	1500	*32,700	*22.82
	Mar. 21, 1968	0200	19,800	19.61		May 7, 1978	1300	28,100	21.84
1969	Dec. 28, 1968	0200	18,800	19.30	1979	Apr. 11, 1979	2100	*18,700	*19.27
	Jan. 30, 1969	0600	*26,000	*21.37	1982	Jan. 31, 1982	0100	*48,600	*25.65
1971	Oct. 27, 1970	0300	*29,700	*22.20		May 14, 1982	0400	25,700	21.30
1972	Dec. 10, 1971	1445	*45,200	*25.00		June 15, 1982	2400	17,800	18.96
1973	Mar. 10, 1973	2100	21,200	20.05	1983	Dec. 3, 1982	1100	*33,400	*22.95
	Apr. 22, 1973	0800	*22,200	*20.36					

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	4960	878	4130	196	994	2860	4170	145	15	10	16
2	61	5420	715	1940	199	860	1870	1920	344	14	9.8	15
3	52	2090	587	1410	160	729	1420	1260	190	13	9.0	11
4	47	1400	492	1110	181	2580	1150	914	1390	12	10	11
5	51	1010	470	906	177	1850	1100	694	870	11	195	13
6	104	764	417	763	148	1300	935	541	890	9.3	34	11
7	71	611	373	635	133	1060	734	451	846	9.0	226	10
8	65	502	419	552	131	900	609	418	428	8.4	108	12
9	60	435	427	521	163	763	529	354	283	7.2	52	12
10	130	378	381	687	505	658	470	298	209	7.0	31	12
11	150	329	343	535	346	587	437	260	165	7.0	23	16
12	120	283	321	432	328	517	396	238	132	6.8	20	12
13	150	249	2160	384	416	1080	365	233	115	6.5	17	30
14	160	223	3710	368	402	1460	432	273	98	6.3	16	17
15	230	434	2020	343	376	908	391	226	92	5.9	42	16
16	450	411	1940	330	358	732	349	177	82	5.6	27	15
17	280	706	1550	317	343	630	322	141	68	11	21	15
18	960	10600	1550	299	356	551	296	125	59	11	756	13
19	620	4330	1710	277	385	494	270	112	51	9.3	296	13
20	12000	2090	2380	239	383	568	244	101	47	12	130	12
21	4300	1420	18700	210	391	1300	228	135	41	14	92	12
22	1800	1080	6720	210	1240	1260	1130	1670	46	13	73	11
23	1200	867	2660	204	26600	969	2420	591	45	12	58	18
24	921	713	1840	198	8940	808	1320	322	35	12	49	16
25	4540	615	1320	188	2880	683	911	235	30	12	40	57
26	3690	1080	1040	164	1870	592	703	182	26	25	34	37
27	1990	4750	860	181	1380	972	770	153	21	17	29	20
28	1320	2100	750	196	1080	840	935	172	18	13	26	15
29	958	1470	677	191	---	1870	676	230	18	12	24	14
30	728	1110	1040	201	---	23300	4200	356	16	10	20	26
31	577	---	2020	222	---	8880	---	208	---	9.0	18	---
TOTAL	37859	52430	60470	18343	50067	60695	28472	17160	6800	336.3	2495.8	508
MEAN	1221	1748	1951	592	1788	1958	949	554	227	10.8	80.5	16.9
MAX	12000	10600	18700	4130	26600	23300	4200	4170	1390	25	756	57
MIN	47	223	321	164	131	494	228	101	16	5.6	9.0	10
CFSM	3.05	4.37	4.88	1.48	4.47	4.89	2.37	1.38	.57	.03	.20	.04
IN.	3.52	4.88	5.62	1.71	4.66	5.64	2.65	1.60	.63	.03	.23	.05
AC-FT	75090	104000	119900	36380	99310	120400	56470	34040	13490	667	4950	1010

CAL YR 1984	TOTAL	298968.1	MEAN	817	MAX	18700	MIN	5.0	CFSM	2.04	IN.	27.80	AC-FT	593000
WTR YR 1985	TOTAL	335636.1	MEAN	920	MAX	26600	MIN	5.6	CFSM	2.30	IN.	31.21	AC-FT	665700

07048700 WHITE RIVER NEAR GOSHEN, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	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 (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)
OCT, 1984											
16...	0730	9827	9827	--	--	--	--	7.2	24.0	--	30
NOV											
13...	0700	9827	9827	--	--	264	--	7.3	9.0	--	9.0
DEC											
11...	0725	9827	9827	--	--	359	--	7.3	6.0	--	3.0
13...	1445	80513	80513	.00	15.0	--	--	--	--	--	--
13...	1446	80513	80010	3.00	15.0	--	--	--	--	--	--
13...	1450	80513	80010	7.50	15.0	--	112	7.5	9.0	20	15
JAN, 1985											
29...	0715	9827	9827	--	--	206	--	7.2	3.0	--	--
FEB											
19...	0715	9827	9827	--	--	398	--	7.3	4.0	--	8.6
MAR											
19...	0655	9827	9827	--	--	516	--	7.4	11.0	--	10
APR											
16...	0710	9827	9827	--	--	366	--	7.4	15.0	--	9.0
MAY											
06...	1300	80513	80513	.00	12.0	--	--	--	--	--	--
06...	1301	80513	80010	3.00	12.0	--	--	--	--	--	--
06...	1305	80513	80010	6.00	12.0	--	80	7.1	18.5	20	11
14...	1043	9827	9827	--	--	290	--	7.4	21.0	--	9.0
JUN											
11...	0745	9827	9827	--	--	189	--	7.5	24.0	--	20
JUL											
16...	0640	9827	9827	--	--	12	--	7.7	27.0	--	6.0
AUG											
05...	1230	80513	80513	.00	12.0	--	--	--	--	--	--
05...	1231	80513	80010	3.00	12.0	--	--	--	--	--	--
05...	1235	80513	80010	6.00	12.0	--	--	--	--	35	55
13...	0700	9827	9827	--	--	26	--	7.5	29.0	--	10
SEP											
24...	0820	9827	9827	--	--	26	--	7.4	19.0	--	15

07048700 WHITE RIVER NEAR GOSHEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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, 0.45 UM-MF (COLS./100 ML) (31616)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
OCT, 1984											
16...	0730	--	7.8	--	2.7	740	--	34	--	10	4.5
NOV											
13...	0700	--	9.9	--	2.1	<4	--	46	--	--	5.5
DEC											
11...	0725	--	10.9	--	1.1	K4	--	44	--	5.0	4.5
13...	1445	.00	--	730	--	--	8	--	--	--	--
13...	1446	--	--	730	--	--	--	--	--	--	--
13...	1450	--	9.2	730	1.8	--	--	44	35	--	--
JAN, 1985											
29...	0715	--	11.4	--	2.0	<4	--	--	--	16	11
FEB											
19...	0715	--	11.9	--	1.8	<4	--	50	--	15	6.5
MAR											
19...	0655	--	9.8	--	2.1	--	--	42	--	12	4.0
APR											
16...	0710	--	8.4	--	1.8	K36	--	46	--	11	4.0
MAY											
06...	1300	.20	--	746	--	--	48	--	--	--	--
06...	1301	--	--	746	--	--	--	--	--	--	--
06...	1305	--	8.4	746	1.8	--	--	32	26	--	--
14...	1043	--	6.9	--	1.4	150	--	42	--	10	5.5
JUN											
11...	0745	--	6.4	--	4.0	220	--	78	--	15	6.0
JUL											
16...	0640	--	7.3	--	4.4	K20	--	100	--	24	--
AUG											
05...	1230	.00	--	735	--	--	K5200	--	--	--	--
05...	1231	--	--	735	--	--	--	--	--	--	--
05...	1235	--	--	735	4.4	--	--	82	--	--	--
13...	0700	--	5.1	--	3.8	--	--	96	--	--	14
SEP											
24...	0820	--	3.1	--	3.6	K40	--	110	--	--	31

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)	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)
OCT, 1984										
16...	0730	69	.09	40	.67	.210	--	.100	--	--
NOV										
13...	0700	83	.11	9	1.1	.470	.180	.190	--	--
DEC										
11...	0725	78	.11	10	.98	.270	.160	.150	--	--
13...	1450	--	--	--	.80	--	.130	.140	320	<1
JAN, 1985										
29...	0715	76	.10	6	.81	.640	.350	.250	--	--
FEB										
19...	0715	85	.12	8	--	.340	.170	.140	--	--
MAR										
19...	0655	79	.11	12	.55	.170	.140	.110	--	--
APR										
16...	0710	77	.10	11	.62	.070	.210	.150	--	--
MAY										
06...	1305	--	--	--	.50	--	.070	.020	260	<1
14...	1043	74	.10	10	.59	.060	.380	.310	--	--
JUN										
11...	0745	--	--	23	.60	.060	.320	--	--	--
JUL										
16...	0640	216	.29	12	1.3	--	1.80	1.20	--	--
AUG										
05...	1235	--	--	--	.70	--	2.10	2.20	980	4
13...	0700	188	.26	15	.89	.060	1.10	.900	--	--
SEP										
24...	0820	218	.30	23	.88	.980	3.10	>1.00	--	--

07048700 WHITE RIVER NEAR GOSHEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	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)	ALDRIN, TOTAL (UG/L) (39330)
OCT, 1984										
16...	0730	<1	3	18	14	--	--	--	180	--
NOV										
13...	0700	<1	2	13	<1	--	--	--	50	--
DEC										
11...	0725	1	3	16	7	--	--	--	40	--
13...	1450	--	10	<1	<1	60	<.1	4	20	--
JAN, 1985										
29...	0715	<1	1	20	12	--	--	--	40	--
FEB										
19...	0715	<1	<1	25	38	--	--	--	60	--
MAR										
19...	0655	<1	1	<15	10	--	--	--	30	--
APR										
16...	0710	<1	1	16	6	--	--	--	30	--
MAY										
06...	1305	--	<10	1	<1	110	<.1	1	10	--
14...	1043	<1	--	16	4	--	--	--	50	--
JUN										
11...	0745	1	1	21	2	--	--	--	30	--
JUL										
16...	0640	<1	<1	22	20	--	--	--	50	<.001
AUG										
05...	1235	--	10	11	1	700	.1	2	40	--
13...	0700	<1	1	<15	<1	--	--	--	<10	--
SEP										
24...	0820	<1	1	17	6	--	--	--	--	--

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)
DEC, 1984										
13...	1446	--	--	--	--	--	--	--	.800	<.100
MAY, 1985										
06...	1301	--	--	--	--	--	--	--	.600	<.100
JUL										
16...	0640	<.001	<.002	<.001	<.001	<.01	<.01	<1	--	--
AUG										
05...	1231	--	--	--	--	--	--	--	7.50	<.100

07048980 HOLMAN CREEK NEAR HUNTSVILLE, ARK.

LOCATION.--Lat 36°07'25", long 93°44'02", in SW 1/4 NE 1/4 sec.22, T.17 N., R.26 W., Madison County, Hydrologic Unit 11010001, at bridge on State Highway 23, 2.5 mi north of Huntsville.

PERIOD OF RECORD.--October 1984 to September 1985.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
16...	0815	9827	9827	--	7.5	18.0	7.1	21.0	480
NOV									
13...	0750	9827	9827	--	7.6	8.0	9.6	3.0	K1300
DEC									
11...	0810	9827	9827	--	7.7	7.0	10.8	10.0	K8
JAN, 1985									
29...	0800	9827	9827	--	7.5	2.0	11.9	1.0	<4
FEB									
19...	0800	9827	9827	--	7.5	4.0	11.9	.0	<4
MAR									
19...	0745	9827	9827	173	7.6	8.0	10.6	11.0	--
APR									
16...	0750	9827	9827	--	7.7	12.0	9.7	15.0	K72
MAY									
14...	0730	9827	9827	--	7.6	18.0	7.1	19.0	230
JUN									
11...	0830	9827	9827	--	7.7	20.0	7.6	20.0	>600
JUL									
16...	0730	9827	9827	--	7.8	24.0	2.5	23.0	--
AUG									
13...	1335	9827	9827	--	7.8	28.0	7.6	34.0	<390
SEP									
24...	1400	9827	9827	--	7.7	20.0	7.3	23.0	>600

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
16...	0815	1.7	9.0	110	18	13	168	10	2.8
NOV									
13...	0750	1.3	3.0	100	--	13	151	<1	1.7
DEC									
11...	0810	.8	5.0	80	11	6.5	108	2	1.2
JAN, 1985									
29...	0800	.4	--	--	17	12	116	2	1.4
FEB									
19...	0800	.9	5.5	74	16	7.0	104	4	--
MAR									
19...	0745	1.5	4.0	80	13	9.5	113	5	.95
APR									
16...	0750	1.5	4.0	88	13	6.0	116	6	1.2
MAY									
14...	0730	1.3	4.0	98	15	10	119	8	.96
JUN									
11...	0830	1.7	15	58	11	8.0	--	14	.73
JUL									
16...	0730	--	5.0	140	17	--	377	8	.10
AUG									
13...	1335	6.1	2.0	120	--	32	227	4	1.2
SEP									
24...	1400	6.7	3.0	120	--	54	256	6	1.4

07048980 HOLMAN CREEK NEAR HUNTSVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
16...	0815	.130	--	.150	<1	<1	21	9	40
NOV									
13...	0750	.190	.150	.170	1	<1	17	10	40
DEC									
11...	0810	.020	.090	.090	<1	1	12	5	30
JAN, 1985									
29...	0800	.340	.120	.130	1	<1	16	14	50
FEB									
19...	0800	.110	.090	.090	<1	1	24	22	30
MAR									
19...	0745	.140	.090	.090	<1	<1	18	14	30
APR									
16...	0750	.030	.160	.140	<1	<1	<15	7	30
MAY									
14...	0730	.140	.250	.200	<1	24	3	--	40
JUN									
11...	0830	.080	.180	--	<1	1	<15	2	20
JUL									
16...	0730	--	3.20	2.10	<1	1	<15	1	30
AUG									
13...	1335	2.40	1.04	.860	<1	<3	<15	<1	<10
SEP									
24...	1400	6.30	2.45	2.25	<1	<1	<15	4	--

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)
JUL, 1985									
16...	0730	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT, 1984											
18...	1030	80513	80513	.00	182	146	8.4	17.5	8.4	738	4.4
18...	1032	80513	80513	10.0	182	146	8.3	17.5	8.3	738	--
18...	1034	80513	80513	20.0	182	146	8.4	17.5	7.2	738	--
18...	1036	80513	80513	30.0	182	146	8.3	17.5	6.8	738	--
18...	1038	80513	80513	40.0	182	146	8.3	17.5	6.6	738	--
18...	1040	80513	80513	48.0	182	146	7.7	16.5	5.1	738	--
18...	1042	80513	80513	50.0	182	146	7.5	16.0	4.5	738	--
18...	1044	80513	80513	53.0	182	146	7.3	15.0	3.2	738	--
18...	1046	80513	80513	55.0	182	146	7.2	14.0	3.1	738	--
18...	1048	80513	80513	60.0	182	146	7.2	13.0	3.2	738	--
18...	1050	80513	80513	65.0	182	146	7.2	12.0	2.9	738	--
18...	1052	80513	80513	70.0	182	146	7.2	11.5	2.8	738	--
18...	1054	80513	80513	80.0	182	146	7.2	11.0	2.8	738	--
18...	1056	80513	80513	90.0	182	146	7.2	10.0	2.7	738	--
18...	1058	80513	80513	100	182	146	7.2	9.5	2.7	738	--
18...	1100	80513	80513	110	182	146	7.2	9.0	2.6	738	--
18...	1102	80513	80513	120	182	146	7.1	8.0	2.4	738	--
18...	1104	80513	80513	130	182	146	7.1	7.5	2.1	738	--
18...	1106	80513	80513	140	182	147	7.1	7.0	1.9	738	--
18...	1108	80513	80513	150	182	148	7.0	7.0	1.7	738	--
18...	1110	80513	80513	160	182	148	7.0	6.5	1.4	738	--
18...	1112	80513	80513	170	182	148	6.9	6.5	.6	738	--
18...	1114	80513	80513	180	182	148	6.9	6.5	.2	738	--
18...	1115	80513	80513	182	182	148	6.9	6.5	.2	738	--
NOV											
08...	0830	80513	80513	.00	196	135	8.0	14.5	8.8	740	4.3
08...	0832	80513	80513	10.0	196	135	8.0	14.5	8.8	740	--
08...	0834	80513	80513	20.0	196	135	8.0	14.5	8.8	740	--
08...	0836	80513	80513	30.0	196	135	8.0	14.5	8.8	740	--
08...	0838	80513	80513	40.0	196	135	8.0	14.5	8.8	740	--
08...	0840	80513	80513	50.0	196	138	8.0	14.5	8.8	740	--
08...	0842	80513	80513	60.0	196	138	8.0	14.5	8.9	740	--
08...	0844	80513	80513	70.0	196	140	7.8	14.0	7.7	740	--
08...	0846	80513	80513	75.0	196	140	7.3	13.0	4.5	740	--
08...	0848	80513	80513	80.0	196	140	7.2	12.0	4.1	740	--
08...	0850	80513	80513	90.0	196	140	7.2	11.0	3.7	740	--
08...	0852	80513	80513	100	196	135	7.2	10.0	3.7	740	--
08...	0854	80513	80513	110	196	135	7.2	9.5	3.7	740	--
08...	0856	80513	80513	120	196	135	7.2	9.0	3.7	740	--
08...	0858	80513	80513	130	196	135	7.1	8.5	3.1	740	--
08...	0900	80513	80513	140	196	135	7.1	7.5	2.7	740	--
08...	0902	80513	80513	150	196	135	7.1	7.5	2.2	740	--
08...	0904	80513	80513	160	196	135	7.0	7.0	1.8	740	--
08...	0906	80513	80513	170	196	135	7.0	6.5	1.0	740	--
08...	0908	80513	80513	180	196	140	7.0	6.5	.6	740	--
08...	0910	80513	80513	190	196	140	7.0	6.5	.3	740	--
08...	0912	80513	80513	196	196	140	7.1	6.5	.2	740	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC, 1984									
13...	1000	80513	80513	.00	202	140	7.7	10.0	8.8
13...	1001	80513	80010	3.00	202	140	7.7	10.0	8.8
13...	1003	80513	80513	10.0	202	140	7.7	10.0	8.7
13...	1007	80513	80513	20.0	202	140	7.7	10.0	8.6
13...	1010	80513	80010	25.0	202	140	7.7	10.0	8.6
13...	1012	80513	80513	30.0	202	140	7.7	10.0	8.6
13...	1015	80513	80513	40.0	202	140	7.7	10.0	8.6
13...	1018	80513	80513	50.0	202	140	7.7	10.0	8.5
13...	1020	80513	80513	60.0	202	140	7.6	10.0	8.3
13...	1022	80513	80513	70.0	202	140	7.6	10.0	8.3
13...	1024	80513	80513	80.0	202	140	7.6	10.0	8.2
13...	1028	80513	80513	90.0	202	140	7.6	10.0	8.2
13...	1030	80513	80010	100	202	140	7.5	9.5	8.0
13...	1032	80513	80513	110	202	140	7.5	9.5	7.6
13...	1034	80513	80513	120	202	140	7.4	9.5	6.6
13...	1036	80513	80513	130	202	140	7.2	9.0	4.1
13...	1038	80513	80513	140	202	140	7.0	8.5	3.0
13...	1040	80513	80513	150	202	140	7.0	7.5	2.0
13...	1042	80513	80513	160	202	140	7.0	7.5	1.5
13...	1044	80513	80513	170	202	140	6.9	7.0	1.2
13...	1046	80513	80513	180	202	140	6.9	7.0	.7
13...	1048	80513	80513	190	202	140	6.9	7.0	.7
13...	1050	80513	80513	200	202	140	6.9	7.0	.5
13...	1055	80513	80513	202	202	140	6.9	7.0	.5

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLATINUM-COBALT UNIER) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
DEC, 1984									
13...	1000	734	3.1	0	--	--	--	--	--
13...	1001	734	--	--	--	--	--	--	--
13...	1003	734	--	--	--	--	--	--	--
13...	1007	734	--	--	--	--	--	--	--
13...	1010	734	--	--	<1	1.0	1.0	66	60
13...	1012	734	--	--	--	--	--	--	--
13...	1015	734	--	--	--	--	--	--	--
13...	1018	734	--	--	--	--	--	--	--
13...	1020	734	--	--	--	--	--	--	--
13...	1022	734	--	--	--	--	--	--	--
13...	1024	734	--	--	--	--	--	--	--
13...	1028	734	--	--	--	--	--	--	--
13...	1030	734	--	--	<1	1.5	.8	68	62
13...	1032	734	--	--	--	--	--	--	--
13...	1034	734	--	--	--	--	--	--	--
13...	1036	734	--	--	--	--	--	--	--
13...	1038	734	--	--	--	--	--	--	--
13...	1040	734	--	--	--	--	--	--	--
13...	1042	734	--	--	--	--	--	--	--
13...	1044	734	--	--	--	--	--	--	--
13...	1046	734	--	--	--	--	--	--	--
13...	1048	734	--	--	--	--	--	--	--
13...	1050	734	--	--	--	--	--	--	--
13...	1055	734	--	--	--	--	--	--	--

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
DEC, 1984									
13...	1010	.20	<.010	.020	<10	<1	10	1	150
13...	1030	.20	<.010	.010	<10	<1	<10	13	160

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
13...	1001	--	--	--	--	--	1.00	<.100
13...	1010	1	30	.2	2	<10	--	--
13...	1030	1	20	.2	1	<10	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JAN, 1985											
11...	0830	80513	80513	.00	205	150	8.0	7.5	10.4	760	3.6
11...	0832	80513	80513	10.0	205	150	8.0	7.5	10.2	760	--
11...	0834	80513	80513	20.0	205	150	8.0	7.5	10.2	760	--
11...	0836	80513	80513	30.0	205	150	8.0	7.5	10.0	760	--
11...	0838	80513	80513	40.0	205	150	8.0	7.5	10.0	760	--
11...	0840	80513	80513	50.0	205	150	8.0	7.5	10.0	760	--
11...	0842	80513	80513	60.0	205	150	8.0	7.5	10.0	760	--
11...	0844	80513	80513	70.0	205	150	8.0	7.5	10.0	760	--
11...	0846	80513	80513	80.0	205	150	8.0	7.5	10.0	760	--
11...	0848	80513	80513	90.0	205	150	8.0	7.5	10.0	760	--
11...	0850	80513	80513	100	205	150	8.0	7.5	9.8	760	--
11...	0852	80513	80513	110	205	150	7.9	7.0	9.6	760	--
11...	0854	80513	80513	120	205	150	7.9	7.0	9.6	760	--
11...	0856	80513	80513	130	205	150	7.9	7.0	9.6	760	--
11...	0858	80513	80513	140	205	150	7.9	7.0	9.6	760	--
11...	0900	80513	80513	150	205	150	7.9	7.0	9.6	760	--
11...	0902	80513	80513	160	205	150	7.9	7.0	9.6	760	--
11...	0904	80513	80513	170	205	150	7.9	7.0	9.6	760	--
11...	0906	80513	80513	180	205	150	7.9	6.5	9.4	760	--
11...	0908	80513	80513	190	205	155	7.9	6.0	9.4	760	--
11...	0912	80513	80513	200	205	160	7.9	6.0	9.4	760	--
11...	0915	80513	80513	205	205	160	7.9	6.0	9.4	760	--
FEB											
06...	1430	80513	80513	.00	203	160	7.8	5.0	11.8	764	3.6
06...	1432	80513	80513	10.0	203	160	7.8	5.0	11.6	764	--
06...	1434	80513	80513	20.0	203	160	7.8	5.0	11.6	764	--
06...	1436	80513	80513	30.0	203	160	7.8	5.0	11.6	764	--
06...	1438	80513	80513	40.0	203	160	7.8	5.0	11.6	764	--
06...	1440	80513	80513	50.0	203	160	7.8	5.0	11.6	764	--
06...	1442	80513	80513	60.0	203	160	7.8	5.0	11.6	764	--
06...	1444	80513	80513	70.0	203	160	7.8	5.0	11.6	764	--
06...	1446	80513	80513	80.0	203	160	7.8	5.0	11.6	764	--
06...	1448	80513	80513	90.0	203	160	7.8	5.0	11.6	764	--
06...	1450	80513	80513	100	203	160	7.7	5.0	11.6	764	--
06...	1452	80513	80513	110	203	160	7.7	5.0	11.6	764	--
06...	1454	80513	80513	120	203	160	7.7	5.0	11.6	764	--
06...	1456	80513	80513	130	203	160	7.7	5.0	11.4	764	--
06...	1458	80513	80513	140	203	160	7.7	5.0	11.4	764	--
06...	1500	80513	80513	150	203	160	7.7	5.0	11.4	764	--
06...	1502	80513	80513	160	203	160	7.7	5.0	11.4	764	--
06...	1504	80513	80513	170	203	160	7.7	5.0	11.4	764	--
06...	1506	80513	80513	180	203	160	7.7	5.0	11.4	764	--
06...	1508	80513	80513	190	203	160	7.7	5.0	11.4	764	--
06...	1510	80513	80513	200	203	160	7.7	5.0	11.4	764	--
06...	1515	80513	80513	203	203	160	7.7	5.0	11.2	764	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR											
07...	1230	80513	80513	.00	204	134	7.8	7.0	12.8	767	2.40
07...	1232	80513	80513	10.0	204	134	7.9	7.0	12.8	767	--
07...	1234	80513	80513	20.0	204	134	7.9	7.0	12.8	767	--
07...	1236	80513	80513	30.0	204	134	7.9	7.0	12.8	767	--
07...	1238	80513	80513	40.0	204	134	7.9	7.0	12.6	767	--
07...	1240	80513	80513	50.0	204	134	7.9	6.5	12.6	767	--
07...	1242	80513	80513	60.0	204	134	7.9	6.5	12.6	767	--
07...	1244	80513	80513	70.0	204	134	7.9	6.5	12.6	767	--
07...	1246	80513	80513	80.0	204	134	7.9	6.5	12.6	767	--
07...	1248	80513	80513	90.0	204	134	7.8	6.0	12.6	767	--
07...	1250	80513	80513	100	204	134	7.8	6.0	12.4	767	--
07...	1252	80513	80513	110	204	134	7.8	5.5	12.4	767	--
07...	1254	80513	80513	120	204	134	7.6	5.5	12.4	767	--
07...	1256	80513	80513	130	204	134	7.6	5.5	12.0	767	--
07...	1258	80513	80513	140	204	134	7.6	5.0	12.0	767	--
07...	1300	80513	80513	150	204	134	7.6	5.0	12.0	767	--
07...	1302	80513	80513	160	204	134	7.6	5.0	12.0	767	--
07...	1304	80513	80513	170	204	134	7.6	5.0	12.0	767	--
07...	1306	80513	80513	180	204	134	7.6	5.0	12.0	767	--
07...	1308	80513	80513	190	204	134	7.6	4.5	11.6	767	--
07...	1310	80513	80513	200	204	134	7.6	4.5	11.6	767	--
07...	1315	80513	80513	204	204	134	7.6	4.5	11.6	767	--
APR											
03...	1330	80513	80513	.00	206	130	8.3	11.5	10.4	744	3.5
03...	1332	80513	80513	10.0	206	130	8.0	10.5	10.4	744	--
03...	1334	80513	80513	20.0	206	130	8.1	10.0	10.4	744	--
03...	1336	80513	80513	30.0	206	130	8.1	10.0	10.4	744	--
03...	1338	80513	80513	40.0	206	130	8.1	9.5	10.4	744	--
03...	1340	80513	80513	50.0	206	130	8.1	9.5	10.4	744	--
03...	1342	80513	80513	60.0	206	130	8.0	9.5	10.4	744	--
03...	1344	80513	80513	70.0	206	130	8.0	9.0	10.4	744	--
03...	1346	80513	80513	80.0	206	128	8.0	8.0	10.4	744	--
03...	1348	80513	80513	90.0	206	128	8.0	8.0	10.4	744	--
03...	1350	80513	80513	100	206	126	7.8	7.0	10.4	744	--
03...	1352	80513	80513	110	206	126	7.8	7.0	10.4	744	--
03...	1354	80513	80513	120	206	126	7.8	6.5	10.4	744	--
03...	1356	80513	80513	130	206	126	7.8	6.5	10.4	744	--
03...	1358	80513	80513	140	206	126	7.8	6.0	10.4	744	--
03...	1400	80513	80513	150	206	126	7.8	6.0	10.4	744	--
03...	1402	80513	80513	160	206	126	7.8	6.0	10.2	744	--
03...	1404	80513	80513	170	206	126	7.8	5.5	10.2	744	--
03...	1406	80513	80513	180	206	126	7.8	5.5	10.2	744	--
03...	1408	80513	80513	190	206	126	7.6	5.5	10.2	744	--
03...	1410	80513	80513	200	206	126	7.6	5.0	10.0	744	--
03...	1415	80513	80513	206	206	126	7.6	5.0	10.0	744	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY									
08...	0900	80513	80513	.00	202	108	8.9	19.0	11.2
08...	0901	80513	80010	3.00	202	108	8.9	19.0	11.0
08...	0903	80513	80513	10.0	202	112	8.5	18.5	10.2
08...	0905	80513	80513	20.0	202	124	8.1	17.5	9.3
08...	0907	80513	80513	22.0	202	124	7.8	16.5	9.0
08...	0910	80513	80010	25.0	202	125	7.6	15.5	8.8
08...	0912	80513	80513	27.0	202	124	7.5	14.5	8.6
08...	0914	80513	80513	30.0	202	124	7.4	14.0	8.6
08...	0916	80513	80513	35.0	202	126	7.4	13.0	8.8
08...	0918	80513	80513	40.0	202	130	7.4	12.0	9.4
08...	0920	80513	80513	45.0	202	130	7.5	11.0	9.6
08...	0922	80513	80513	50.0	202	130	7.5	11.0	9.7
08...	0924	80513	80513	60.0	202	130	7.4	10.5	9.6
08...	0926	80513	80513	70.0	202	130	7.4	10.0	9.7
08...	0928	80513	80513	80.0	202	130	7.4	10.0	9.7
08...	0932	80513	80513	90.0	202	128	7.4	9.0	9.8
08...	0935	80513	80010	100	202	127	7.4	9.0	9.9
08...	0937	80513	80513	110	202	126	7.3	8.0	9.9
08...	0940	80513	80513	120	202	126	7.3	7.5	10.0
08...	0942	80513	80513	130	202	126	7.2	6.5	9.9
08...	0944	80513	80513	140	202	126	7.2	6.0	9.8
08...	0946	80513	80513	150	202	126	7.2	6.0	9.7
08...	0948	80513	80513	160	202	126	7.2	5.5	9.5
08...	0950	80513	80513	170	202	126	7.2	5.5	9.5
08...	0952	80513	80513	180	202	126	7.2	5.5	9.5
08...	0953	80513	80513	190	202	126	7.2	5.5	9.5
08...	0954	80513	80513	200	202	126	7.2	5.5	9.5
08...	0955	80513	80513	202	202	126	7.2	5.5	9.5

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
MAY									
08...	0900	753	3.00	1	--	--	--	--	--
08...	0910	753	--	--	10	2.0	.7	58	48
08...	0935	753	--	--	10	1.5	1.4	58	49

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
MAY									
08...	0901	.40	<.010	<.010	--	--	--	--	--
08...	0910	.60	<.010	<.010	70	<1	10	<1	60
08...	0935	.40	<.010	<.010	40	1	20	<1	80

DATE	TIME	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								
08...	0901	--	--	--	--	--	<.100	<.100
08...	0910	6	10	<.1	6	30	--	--
08...	0935	5	10	<.1	2	10	--	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN									
05...	1500	80513	80513	.00	201	122	8.7	23.5	8.1
05...	1501	80513	80010	3.00	201	122	8.7	23.5	8.1
05...	1502	80513	80513	10.0	201	122	8.7	23.5	8.1
05...	1504	80513	80513	16.0	201	124	8.6	22.5	8.1
05...	1506	80513	80513	20.0	201	124	8.6	22.0	8.0
05...	1508	80513	80513	22.0	201	124	8.5	21.0	7.9
05...	1510	80513	80513	25.0	201	124	8.1	20.0	7.1
05...	1512	80513	80513	27.0	201	126	7.8	19.0	6.5
05...	1514	80513	80513	28.0	201	126	7.6	18.0	6.3
05...	1516	80513	80513	30.0	201	126	7.5	17.5	6.0
05...	1518	80513	80513	33.0	201	126	7.3	16.5	5.7
05...	1520	80513	80513	35.0	201	126	7.3	15.5	5.7
05...	1522	80513	80513	37.0	201	126	7.2	14.5	5.9
05...	1524	80513	80513	40.0	201	128	7.2	13.5	6.4
05...	1526	80513	80513	45.0	201	130	7.2	12.5	7.2
05...	1528	80513	80513	47.0	201	130	7.2	11.5	7.6
05...	1530	80513	80513	50.0	201	128	7.2	11.0	7.9
05...	1532	80513	80513	60.0	201	130	7.2	10.5	8.2
05...	1534	80513	80513	70.0	201	130	7.2	10.0	8.3
05...	1536	80513	80513	80.0	201	130	7.2	10.0	8.3
05...	1538	80513	80513	90.0	201	130	7.2	9.5	8.4
05...	1540	80513	80513	100	201	130	7.2	9.0	8.5
05...	1542	80513	80513	110	201	126	7.2	8.5	8.8
05...	1544	80513	80513	120	201	126	7.2	7.5	8.9
05...	1546	80513	80513	130	201	124	7.2	7.0	8.9
05...	1548	80513	80513	140	201	124	7.2	6.5	8.7
05...	1550	80513	80513	150	201	122	7.1	6.0	8.5
05...	1552	80513	80513	160	201	122	7.1	5.5	8.2
05...	1554	80513	80513	170	201	122	7.1	5.5	8.1
05...	1556	80513	80513	180	201	122	7.1	5.5	8.0
05...	1558	80513	80513	190	201	122	7.1	5.5	8.0
05...	1559	80513	80513	200	201	122	7.0	5.5	7.8
05...	1600	80513	80513	201	201	122	7.0	5.5	7.8

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
JUN								
05...	1500	746	5.7	--	--	--	--	--
05...	1501	746	--	.30	<.010	<.010	1.30	<.100

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL									
11...	1000	80513	80513	.00	194	122	8.9	28.0	8.3
11...	1001	80513	80010	3.00	194	122	8.9	28.0	8.2
11...	1002	80513	80513	10.0	194	122	9.0	28.0	8.2
11...	1004	80513	80513	20.0	194	124	9.0	27.5	8.2
11...	1006	80513	80513	22.0	194	124	8.9	27.0	8.5
11...	1008	80513	80513	23.0	194	124	8.8	26.0	8.6
11...	1010	80513	80513	25.0	194	124	8.5	24.0	7.9
11...	1012	80513	80513	26.0	194	124	8.2	22.5	7.2
11...	1014	80513	80513	28.0	194	124	7.7	21.0	6.5
11...	1016	80513	80513	30.0	194	126	7.4	20.0	5.5
11...	1018	80513	80513	33.0	194	126	7.2	19.0	4.4
11...	1020	80513	80513	35.0	194	128	7.1	18.0	3.6
11...	1022	80513	80513	37.0	194	128	7.0	17.0	3.1
11...	1024	80513	80513	40.0	194	128	7.0	15.5	3.4
11...	1026	80513	80513	42.0	194	128	7.0	14.5	3.9
11...	1028	80513	80513	45.0	194	128	7.0	14.0	4.3
11...	1030	80513	80513	50.0	194	130	7.0	13.0	5.3
11...	1032	80513	80513	60.0	194	130	7.1	11.5	6.4
11...	1034	80513	80513	70.0	194	130	7.1	11.0	6.7
11...	1036	80513	80513	80.0	194	130	7.2	10.5	6.9
11...	1038	80513	80513	90.0	194	128	7.2	10.0	7.1
11...	1040	80513	80513	100	194	128	7.2	9.5	7.4
11...	1042	80513	80513	110	194	126	7.2	9.0	7.5
11...	1044	80513	80513	120	194	126	7.1	8.0	7.5
11...	1046	80513	80513	130	194	124	7.1	7.5	7.4
11...	1048	80513	80513	140	194	122	7.0	7.0	7.2
11...	1050	80513	80513	150	194	122	7.0	7.0	6.8
11...	1052	80513	80513	160	194	122	7.0	6.5	6.6
11...	1054	80513	80513	170	194	122	7.0	6.5	6.5
11...	1056	80513	80513	180	194	128	7.0	6.5	6.3
11...	1058	80513	80513	190	194	132	7.0	6.5	5.9
11...	1100	80513	80513	194	194	140	6.9	6.5	5.6

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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								
11...	1000	737	3.7	--	--	--	--	--
11...	1001	737	--	.20	<.010	.010	.500	<.100

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG									
07...	0945	80513	80513	.00	200	125	8.8	27.5	8.0
07...	0946	80513	80010	3.00	200	124	8.8	28.0	7.9
07...	0948	80513	80513	10.0	200	124	8.8	28.0	7.9
07...	0950	80513	80513	20.0	200	125	8.8	27.0	7.6
07...	0952	80513	80513	24.0	200	125	8.5	26.0	7.2
07...	0955	80513	80010	25.0	200	126	8.4	25.5	7.2
07...	0957	80513	80513	27.0	200	128	8.0	24.5	6.9
07...	0958	80513	80513	29.0	200	130	7.6	23.0	6.2
07...	1000	80513	80513	30.0	200	129	7.4	21.5	4.9
07...	1002	80513	80513	32.0	200	127	7.2	19.5	3.5
07...	1004	80513	80513	33.0	200	127	7.1	18.5	2.3
07...	1006	80513	80513	36.0	200	127	7.0	17.5	1.6
07...	1008	80513	80513	38.0	200	127	6.9	16.5	1.7
07...	1010	80513	80513	40.0	200	126	6.9	16.0	2.0
07...	1012	80513	80513	45.0	200	127	6.9	15.0	2.5
07...	1014	80513	80513	50.0	200	127	6.9	13.5	3.4
07...	1016	80513	80513	55.0	200	127	6.9	13.0	4.4
07...	1018	80513	80513	60.0	200	127	7.0	12.0	5.1
07...	1020	80513	80513	70.0	200	128	7.0	11.5	5.8
07...	1022	80513	80513	80.0	200	127	7.0	11.0	6.0
07...	1024	80513	80513	90.0	200	124	7.1	10.0	6.4
07...	1025	80513	80010	100	200	124	7.1	9.5	6.7
07...	1027	80513	80513	110	200	120	7.1	9.0	6.9
07...	1028	80513	80513	120	200	116	7.1	8.0	6.9
07...	1030	80513	80513	130	200	114	7.0	7.5	6.6
07...	1032	80513	80513	140	200	114	7.0	7.0	6.3
07...	1034	80513	80513	150	200	114	7.0	7.0	6.1
07...	1036	80513	80513	160	200	115	7.0	6.5	6.0
07...	1038	80513	80513	170	200	117	7.0	6.5	5.8
07...	1040	80513	80513	180	200	119	6.9	6.5	5.2
07...	1042	80513	80513	190	200	119	6.9	6.5	4.4
07...	1045	80513	80513	200	200	128	6.9	6.5	2.2

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
AUG									
07...	0945	737	3.6	1	--	--	--	--	--
07...	0955	737	--	--	5	1.0	.4	64	51
07...	1025	737	--	--	10	1.5	.7	60	70

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
AUG									
07...	0946	--	<.010	<.010	--	--	--	--	--
07...	0955	.20	<.010	<.010	60	<1	10	4	270
07...	1025	.60	<.010	<.010	60	<1	<10	2	60

DATE	TIME	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)
AUG								
07...	0946	--	--	--	--	--	4.00	<.100
07...	0955	4	20	<.1	4	400	--	--
07...	1025	<1	<10	<.1	3	40	--	--

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP									
06...	0830	80513	80513	.00	197	145	9.0	27.0	8.1
06...	0831	80513	80010	3.00	197	144	9.0	27.5	8.1
06...	0832	80513	80513	10.0	197	144	9.0	27.5	8.0
06...	0834	80513	80513	20.0	197	144	9.0	27.5	8.0
06...	0836	80513	80513	30.0	197	144	8.9	26.5	7.0
06...	0838	80513	80513	32.0	197	145	8.3	25.5	5.4
06...	0840	80513	80513	34.0	197	146	7.7	24.0	3.5
06...	0842	80513	80513	36.0	197	146	7.4	22.5	2.0
06...	0844	80513	80513	38.0	197	148	7.3	21.5	1.0
06...	0846	80513	80513	40.0	197	147	7.2	19.5	.3
06...	0848	80513	80513	42.0	197	146	7.2	18.0	.2
06...	0850	80513	80513	45.0	197	144	7.1	16.5	.4
06...	0852	80513	80513	47.0	197	146	7.1	15.0	1.0
06...	0854	80513	80513	50.0	197	148	7.1	14.0	2.2
06...	0856	80513	80513	55.0	197	147	7.1	13.0	3.1
06...	0900	80513	80513	60.0	197	147	7.2	12.5	4.0
06...	0902	80513	80513	70.0	197	146	7.2	11.5	4.7
06...	0904	80513	80513	80.0	197	143	7.2	11.0	5.4
06...	0906	80513	80513	90.0	197	144	7.2	10.5	5.4
06...	0908	80513	80513	100	197	142	7.2	10.0	5.7
06...	0910	80513	80513	110	197	140	7.3	9.5	6.2
06...	0912	80513	80513	120	197	136	7.3	9.0	6.2
06...	0914	80513	80513	130	197	133	7.2	8.0	5.9
06...	0916	80513	80513	140	197	131	7.2	7.5	5.4
06...	0918	80513	80513	150	197	133	7.2	7.0	4.9
06...	0920	80513	80513	160	197	131	7.2	7.0	4.5
06...	0922	80513	80513	170	197	135	7.1	7.0	3.9
06...	0924	80513	80513	180	197	138	7.1	7.0	3.1
06...	0926	80513	80513	190	197	140	7.0	6.5	2.2
06...	0930	80513	80513	197	197	145	7.0	6.5	1.5

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP									
06...	0830	735	4.1	--	--	--	--	--	--
06...	0831	735	--	<.10	.010	.020	.03	4.40	<.100

07049691 WHITE RIVER AT BEAVER DAM, NEAR EUREKA SPRINGS, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (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, 1984										
18...	1000	80513	80513	20	148	7.4	9.0	6.8	61	738
NOV										
08...	0800	80513	80513	20	142	7.3	9.0	8.2	73	740
DEC										
13...	0930	80513	80010	20	160	7.2	8.0	8.7	76	734
JAN, 1985										
11...	0800	80513	80513	3220	160	7.9	6.0	9.8	79	760
FEB										
06...	1400	80513	80513	20	180	7.8	6.0	12.4	99	764
MAR										
07...	1200	80513	80513	8620	136	7.8	6.0	12.4	99	767
APR										
03...	1300	80513	80513	8620	128	8.3	8.0	10.4	90	744
MAY										
08...	0830	80513	80010	4320	148	7.0	7.5	10.0	84	753
JUN										
05...	1430	80513	80513	4320	120	7.8	8.0	8.4	72	746
JUL										
11...	0930	80513	80513	20	148	7.1	9.5	8.8	79	741
AUG										
07...	0900	80513	80010	20	124	7.1	9.5	8.2	74	741
SEP										
06...	0800	80513	80513	20	152	7.9	10.0	7.4	68	740

DATE	TIME	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)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)
DEC, 1984										
13...	0930	5	.50	1.2	22	73	.40	<.010	.020	<10
MAY, 1985										
08...	0830	10	14	2.3	120	51	.50	.040	.020	500
AUG										
07...	0900	20	4.5	1.0	18	70	.70	<.010	<.010	180

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)
DEC, 1984										
13...	0930	<1	<10	1	180	1	30	.1	3	10
MAY, 1985										
08...	0830	<1	<10	1	700	8	140	<.1	9	30
AUG										
07...	0900	<1	10	5	380	7	30	<.1	6	610

07050390 OSAGE CREEK SOUTHWEST OF BERRYVILLE, ARK.

LOCATION.--Lat 36°20'56", long 93°35'24", in SE 1/4 SW 1/4 sec.36, T.20 N., R.25 W., Carroll County, Hydrologic Unit 11010001, at bridge on State Highway 221 at McKennon Ford, and 1.0 mi southwest of Berryville, Ark.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984										
16...	0935	9827	9827	365	7.8	19.0	7.4	21.0	K1700	1.6
NOV										
13...	0920	9827	9827	273	7.8	10.0	10.4	17.0	110	.6
DEC										
11...	0940	9827	9827	192	7.8	9.0	10.7	13.0	100	1.6
JAN, 1985										
29...	0930	9827	9827	252	7.7	3.0	12.4	2.0	K24	.5
FEB										
19...	0925	9827	9827	--	7.8	5.0	12.0	6.0	K64	1.1
MAR										
19...	0910	9827	9827	210	7.9	11.0	11.1	9.0	--	1.5
APR										
16...	0915	9827	9827	215	8.0	15.0	10.5	25.0	K52	1.0
MAY										
14...	0900	9827	9827	96	7.6	20.0	7.3	20.0	88	.7
JUN										
11...	1000	9827	9827	294	8.0	23.0	7.1	21.0	210	1.1
JUL										
16...	0900	9827	9827	313	8.0	27.0	7.2	26.0	K32	2.9
AUG										
13...	0845	9827	9827	268	8.0	28.0	5.9	29.0	150	1.6
SEP										
24...	1030	9827	9827	323	8.0	18.0	8.2	15.0	80	2.0

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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, 1984										
16...	0935	10	15	190	11	5.5	239	17	2.2	<.010
NOV										
13...	0920	4.0	3	140	--	5.5	166	1	1.8	<.010
DEC										
11...	0940	5.0	9	100	3.0	3.0	122	3	.89	<.010
JAN, 1985										
29...	0930	--	<1	--	8.0	8.0	131	<1	.86	.020
FEB										
19...	0925	2.5	--	120	9.0	4.5	130	3	--	.040
MAR										
19...	0910	3.0	1	100	9.0	3.5	4	126	.52	.030
APR										
16...	0915	3.0	4	110	7.0	3.0	129	2	.37	.020
MAY										
14...	0900	7.0	36	32	6.0	3.5	--	26	.22	.240
JUN										
11...	1000	5.0	4	150	6.0	6.5	--	8	.55	.030
JUL										
16...	0900	5.0	10	150	5.0	--	176	10	.20	--
AUG										
13...	0845	5.0	6	150	--	4.5	189	10	.33	.020
SEP										
24...	1030	5.0	7	160	--	5.5	165	13	.18	.060

07050390 OSAGE CREEK SOUTHWEST OF BERRYVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1984										
16...	0935	--	<.10	--	--	.060	<1	<1	10	1
NOV										
13...	0920	--	<.10	--	.010	.020	<1	2	--	--
DEC										
11...	0940	--	.10	.99	.010	.010	<1	1	<10	<1
JAN, 1985										
29...	0930	--	<.10	--	.020	.010	<1	1	18	15
FEB										
19...	0925	--	--	--	.020	.010	<1	1	19	24
MAR										
19...	0910	.07	.10	.62	.050	.020	1	<1	17	16
APR										
16...	0915	.08	.10	.47	.020	.010	<1	<1	16	5
MAY										
14...	0900	.36	.60	.82	.070	.050	1	--	<15	3
JUN										
11...	1000	--	<.10	--	.050	--	<1	1	<15	4
JUL										
16...	0900	--	.20	.40	.060	.010	<1	<1	15	20
AUG										
13...	0845	--	<.10	--	.060	.030	<1	<1	<15	3
SEP										
24...	1030	.24	.30	.48	.060	.050	1	<1	20	10

DATE	TIME	TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984										
16...	0935	20	--	--	--	--	--	--	--	--
DEC										
11...	0940	10	--	--	--	--	--	--	--	--
JAN, 1985										
29...	0930	40	--	--	--	--	--	--	--	--
FEB										
19...	0925	30	--	--	--	--	--	--	--	--
MAR										
19...	0910	30	--	--	--	--	--	--	--	--
APR										
16...	0915	20	--	--	--	--	--	--	--	--
MAY										
14...	0900	120	--	--	--	--	--	--	--	--
JUN										
11...	1000	30	--	--	--	--	--	--	--	--
JUL										
16...	0900	50	--	--	--	--	--	--	--	--
AUG										
13...	0845	20	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07050420 OSAGE CREEK WEST OF BERRYVILLE, ARK.

LOCATION.--Lat 36°21'50", long 93°36'26", in SE 1/4 SW 1/4 sec.26, T.20 N., R.25 W., Carroll County, Hydrologic Unit 11010001, at north end of spur road off Highway 221, and 0.6 mi southwest of waterworks.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984										
16...	0950	9827	9827	374	7.7	18.0	6.4	21.0	2000	3.8
NOV										
13...	0935	9827	9827	255	7.8	9.0	10.4	11.0	K38	.9
DEC										
11...	1000	9827	9827	197	7.8	9.0	10.7	15.0	120	1.7
JAN, 1985										
29...	0950	9827	9827	270	7.7	3.0	12.5	1.0	K32	1.5
MAY										
14...	0910	9827	9827	264	7.9	20.0	7.7	21.0	K650	1.9
AUG										
13...	0905	9827	9827	340	7.9	27.0	5.1	27.0	K48	4.1
SEP										
24...	1050	9827	9827	419	7.7	17.0	5.7	15.0	410	4.9

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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, 1984										
16...	0950	10	18	180	15	8.5	245	20	2.2	--
NOV										
13...	0935	4.0	4	130	--	7.0	155	1	1.2	--
DEC										
11...	1000	5.0	9	98	6.0	4.5	122	2	.71	--
JAN, 1985										
29...	0950	--	3	--	11	9.5	144	<1	.96	--
MAY										
14...	0910	3.0	7	130	10	6.0	129	4	.53	--
AUG										
13...	0905	3.0	9	150	--	12	215	8	1.5	.470
SEP										
24...	1050	4.0	21	160	--	17	224	9	2.4	1.80

07050420 OSAGE CREEK WEST OF BERRYVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1984										
16...	0950	--	--	--	--	.150	<1	6	10	2
NOV										
13...	0935	--	--	--	.040	.050	<1	1	<10	<1
DEC										
11...	1000	--	--	--	.050	.050	<1	1	<10	<1
JAN, 1985										
29...	0950	--	--	--	.090	.080	<1	<1	<10	4
MAY										
14...	0910	--	--	--	.140	.100	<1	--	<15	1
AUG										
13...	0905	.43	.90	2.4	.400	.300	<1	<1	<15	<1
SEP										
24...	1050	.40	2.2	4.6	.950	.900	<1	<1	<15	4

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984										
16...	0950	10	--	--	--	--	--	--	--	--
NOV										
13...	0935	20	--	--	--	--	--	--	--	--
DEC										
11...	1000	10	--	--	--	--	--	--	--	--
JAN, 1985										
29...	0950	20	--	--	--	--	--	--	--	--
MAY										
14...	0910	10	--	--	--	--	--	--	--	--
AUG										
13...	0905	<10	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07050500 KINGS RIVER NEAR BERRYVILLE, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984											
16...	0910	9827	9827	720	287	7.7	19.0	7.8	22.0	K860	1.5
NOV											
13...	0845	9827	9827	335	226	7.9	9.0	10.5	13.0	K12	.4
DEC											
11...	0905	9827	9827	610	187	7.8	8.0	10.9	9.0	K16	1.8
JAN, 1985											
29...	0900	9827	9827	330	232	7.5	3.0	12.5	2.0	K20	.7
FEB											
19...	0855	9827	9827	540	--	7.8	5.0	12.2	10.0	220	1.4
MAR											
19...	0840	9827	9827	840	205	7.9	10.0	10.7	13.0	--	1.5
APR											
16...	0850	9827	9827	670	208	8.0	15.0	10.3	25.0	380	1.2
MAY											
14...	0830	9827	9827	340	230	8.0	20.0	8.6	22.0	K40	1.2
JUN											
11...	0930	9827	9827	720	241	8.0	21.0	7.3	21.0	410	.7
JUL											
16...	0830	9827	9827	25	316	8.0	27.0	6.8	25.0	K8	2.1
AUG											
13...	0815	9827	9827	140	250	8.1	28.0	7.1	28.0	K24	1.7
SEP											
24...	0935	9827	9827	31	270	8.0	18.0	8.7	14.0	K60	1.1

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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, 1984											
16...	0910	9.0	9	140	10	5.0	176	13	.60	<.010	--
NOV											
13...	0845	3.0	1	120	--	4.5	141	1	.96	.020	--
DEC											
11...	0905	4.0	5	100	22	3.5	122	2	.66	.050	.05
JAN, 1985											
29...	0900	--	1	--	8.0	8.0	125	<1	.69	.080	--
FEB											
19...	0855	1.4	--	110	9.0	3.5	130	2	--	.060	--
MAR											
19...	0840	2.0	1	98	9.0	2.5	123	2	.52	.030	.17
APR											
16...	0850	10	3	100	6.0	3.5	115	1	.30	.040	--
MAY											
14...	0830	2.0	4	110	8.0	3.5	130	1	.29	.020	--
JUN											
11...	0930	9.0	7	120	5.0	3.0	--	15	.38	.020	--
JUL											
16...	0830	4.0	6	140	10	--	181	6	.18	--	--
AUG											
13...	0815	4.0	4	120	--	3.0	162	7	.28	<.010	--
SEP											
24...	0935	3.0	5	130	--	7.0	159	3	.37	.040	--

07050500 KINGS RIVER NEAR BERRYVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	SELENIUM, TOTAL (UG/L AS SE) (01147)
OCT, 1984											
16...	0910	<.10	--	--	.070	--	<1	1	<10	1	--
NOV											
13...	0845	<.10	--	.020	.020	<5	<1	3	<10	<1	<5
DEC											
11...	0905	.10	.76	.030	.020	--	<1	5	<10	1	--
JAN, 1985											
29...	0900	<.10	--	.060	.030	<5	<1	3	<10	1	<5
FEB											
19...	0855	<.10	--	.040	.020	--	<1	<1	<10	1	--
MAR											
19...	0840	.20	.72	.060	.040	--	<1	3	9	1	--
APR											
16...	0850	<.10	--	.020	.020	1	<1	2	<15	1	1
MAY											
14...	0830	<.10	--	.050	.020	--	<1	--	<15	<1	--
JUN											
11...	0930	<.10	--	.070	--	--	<1	<1	<15	1	--
JUL											
16...	0830	<.10	--	.080	.040	1	<1	<1	<15	20	<1
AUG											
13...	0815	.40	.68	.070	.040	--	<1	4	<15	<1	--
SEP											
24...	0935	<.10	--	.080	.070	--	<1	1	<15	4	--

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984										
16...	0910	1200	--	--	--	--	--	--	--	--
NOV										
13...	0845	20	--	--	--	--	--	--	--	--
DEC										
11...	0905	20	--	--	--	--	--	--	--	--
JAN, 1985										
29...	0900	<10	--	--	--	--	--	--	--	--
FEB										
19...	0855	<10	--	--	--	--	--	--	--	--
MAR										
19...	0840	20	--	--	--	--	--	--	--	--
APR										
16...	0850	<10	--	--	--	--	--	--	--	--
MAY										
14...	0830	10	--	--	--	--	--	--	--	--
JUN										
11...	0930	<10	--	--	--	--	--	--	--	--
JUL										
16...	0830	20	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
AUG										
13...	0815	<10	--	--	--	--	--	--	--	--

07053230 LONG CREEK NEAR DENVER, ARK.

LOCATION.--Lat 36°25'46", long 93°18'22", in SE 1/4 SW 1/4 sec.34, T.21 N., R.22 W., Carroll County, Hydrologic Unit 11010001, on low-water bridge on county road off State Highway 311, 2.7 mi north of Denver.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984									
16...	1045	9827	9827	7.8	18.0	8.1	21.0	K110	1.3
NOV									
13...	1025	9827	9827	7.9	11.0	10.5	15.0	120	.4
DEC									
11...	1045	9827	9827	8.0	10.0	11.1	16.0	24	1.0
JAN, 1985									
29...	1040	9827	9827	7.8	5.0	12.8	3.0	K36	1.0
FEB									
19...	1020	9827	9827	8.0	7.0	12.9	9.0	K22	1.3
MAR									
19...	1000	9827	9827	7.9	11.0	11.2	11.0	--	1.7
APR									
16...	1000	9827	9827	8.0	15.0	11.0	24.0	K28	1.0
MAY									
14...	0950	9827	9827	8.1	19.0	9.1	26.0	160	1.1
JUN									
11...	1100	9827	9827	8.1	20.0	8.6	22.0	110	1.5
JUL									
16...	1005	9827	9827	8.0	25.0	7.7	25.0	K68	2.3
AUG									
13...	1000	9827	9827	8.0	26.0	7.7	33.0	80	1.1
SEP									
24...	1130	9827	9827	8.0	18.0	9.7	15.0	110	1.0

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984									
16...	1045	6.0	170	6.0	11	209	9	1.3	<.010
NOV									
13...	1025	3.0	150	--	6.5	186	1	1.9	.010
DEC									
11...	1045	7.0	120	9.0	6.0	156	4	1.5	<.010
JAN, 1985									
29...	1040	--	--	8.0	10	157	2	1.8	.050
FEB									
19...	1020	2.4	130	11	6.0	155	6	--	.030
MAR									
19...	1000	2.0	130	9.0	5.0	163	4	1.4	.070
APR									
16...	1000	2.0	130	8.0	4.5	160	2	1.3	.050
MAY									
14...	0950	2.0	150	9.0	5.0	159	3	1.2	.010
JUN									
11...	1100	2.0	150	6.0	5.0	--	4	1.4	.020
JUL									
16...	1005	2.0	160	5.0	--	204	4	1.2	--
AUG									
13...	1000	1.0	160	--	7.5	221	6	1.6	.020
SEP									
24...	1130	2.0	170	--	9.0	197	8	1.8	.040

07053230 LONG CREEK NEAR DENVER, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)
OCT, 1984									
16...	1045	--	.040	<1	<1	<10	<1	10	--
NOV									
13...	1025	.020	.030	<1	<1	<10	<1	20	--
DEC									
11...	1045	.040	.030	<1	1	<10	<1	20	--
JAN, 1985									
29...	1040	.030	.010	<1	<1	<10	<1	10	--
FEB									
19...	1020	.030	.020	<1	1	14	<1	<10	--
MAR									
19...	1000	.050	.020	<1	<1	<15	1	20	--
APR									
16...	1000	.020	.020	<1	<1	<15	1	<10	--
MAY									
14...	0950	.040	.020	<1	--	<15	<1	<10	--
JUN									
11...	1100	.030	--	<1	<1	<15	3	10	--
JUL									
16...	1005	.040	<.010	<1	<1	<15	1	20	--
AUG									
13...	1000	.060	.060	<1	<1	<15	<1	<10	<.001
SEP									
24...	1130	.050	.030	<1	<1	<15	4	--	--

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)
AUG, 1985								
13...	1000	<.001	<.002	<.001	<.001	<.01	<.01	<1

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT, 1984											
02...	1200	80513	80513	.00	175	200	9.0	19.5	7.4	746	4.1
02...	1202	80513	80513	10.0	175	195	9.0	19.5	7.3	746	--
02...	1204	80513	80513	20.0	175	195	9.0	19.5	7.2	746	--
02...	1206	80513	80513	30.0	175	195	9.0	19.5	7.2	746	--
02...	1208	80513	80513	40.0	175	200	9.0	19.5	7.2	746	--
02...	1210	80513	80513	44.0	175	210	8.8	18.5	4.2	746	--
02...	1212	80513	80513	46.0	175	225	8.4	17.5	.5	746	--
02...	1214	80513	80513	47.0	175	230	8.4	16.5	.1	746	--
02...	1216	80513	80513	50.0	175	230	8.3	16.0	.1	746	--
02...	1218	80513	80513	60.0	175	235	8.3	15.0	.1	746	--
02...	1220	80513	80513	65.0	175	235	8.3	14.0	.1	746	--
02...	1222	80513	80513	70.0	175	235	8.3	13.5	.2	746	--
02...	1224	80513	80513	80.0	175	235	8.3	12.5	1.3	746	--
02...	1226	80513	80513	90.0	175	230	8.3	12.0	1.8	746	--
02...	1228	80513	80513	100	175	225	8.3	11.5	2.2	746	--
02...	1230	80513	80513	110	175	220	8.3	11.0	2.5	746	--
02...	1232	80513	80513	120	175	215	8.3	10.0	2.4	746	--
02...	1234	80513	80513	130	175	215	8.2	10.0	2.1	746	--
02...	1236	80513	80513	140	175	220	8.1	9.5	.8	746	--
02...	1238	80513	80513	150	175	225	8.1	9.0	.1	746	--
02...	1240	80513	80513	160	175	225	8.1	9.0	.1	746	--
02...	1242	80513	80513	170	175	230	8.0	8.5	.1	746	--
02...	1244	80513	80513	175	175	235	8.0	8.5	.1	746	--
18...	0800	80513	80513	.00	169	200	8.4	17.5	7.6	746	4.3
18...	0802	80513	80513	10.0	169	200	8.3	17.5	6.8	746	--
18...	0804	80513	80513	20.0	169	200	8.3	17.5	6.1	746	--
18...	0806	80513	80513	30.0	169	200	8.3	17.5	5.5	746	--
18...	0808	80513	80513	40.0	169	200	8.3	17.5	5.2	746	--
18...	0810	80513	80513	50.0	169	220	7.8	16.5	1.1	746	--
18...	0812	80513	80513	53.0	169	220	7.5	15.5	.2	746	--
18...	0814	80513	80513	57.0	169	220	7.5	14.0	.1	746	--
18...	0816	80513	80513	60.0	169	230	7.5	14.0	.1	746	--
18...	0818	80513	80513	70.0	169	240	7.5	13.0	.0	746	--
18...	0820	80513	80513	80.0	169	220	7.5	12.0	.2	746	--
18...	0822	80513	80513	90.0	169	220	7.5	11.5	.6	746	--
18...	0824	80513	80513	100	169	220	7.6	11.0	1.1	746	--
18...	0826	80513	80513	110	169	220	7.6	10.5	1.2	746	--
18...	0828	80513	80513	120	169	220	7.6	10.0	1.3	746	--
18...	0830	80513	80513	130	169	220	7.5	9.5	1.2	746	--
18...	0832	80513	80513	140	169	220	7.4	9.0	.7	746	--
18...	0834	80513	80513	150	169	230	7.3	9.0	.2	746	--
18...	0836	80513	80513	160	169	240	7.3	8.5	.1	746	--
18...	0840	80513	80513	169	169	240	7.3	8.0	.1	746	--
NOV											
01...	1230	80513	80513	.00	174	220	8.2	15.5	8.0	762	5.5
01...	1232	80513	80513	10.0	174	220	8.2	15.5	8.0	762	--
01...	1234	80513	80513	20.0	174	220	8.2	15.5	7.9	762	--
01...	1236	80513	80513	30.0	174	220	8.2	15.5	7.9	762	--
01...	1238	80513	80513	40.0	174	220	8.0	15.5	7.8	762	--
01...	1240	80513	80513	50.0	174	220	8.0	15.5	7.8	762	--
01...	1242	80513	80513	60.0	174	220	7.8	15.0	6.4	762	--
01...	1244	80513	80513	68.0	174	220	7.4	14.0	3.0	762	--
01...	1246	80513	80513	70.0	174	215	7.2	13.5	2.8	762	--
01...	1248	80513	80513	80.0	174	215	7.2	13.0	2.6	762	--
01...	1250	80513	80513	90.0	174	225	7.2	12.0	1.8	762	--
01...	1252	80513	80513	100	174	225	7.2	11.0	1.6	762	--
01...	1254	80513	80513	110	174	230	7.2	10.5	1.6	762	--
01...	1256	80513	80513	120	174	230	7.2	10.0	2.0	762	--
01...	1258	80513	80513	130	174	230	7.2	9.0	2.2	762	--
01...	1300	80513	80513	140	174	230	7.2	8.5	2.4	762	--
01...	1302	80513	80513	150	174	230	7.2	8.0	2.8	762	--
01...	1304	80513	80513	160	174	230	7.2	7.5	2.2	762	--
01...	1306	80513	80513	170	174	235	7.4	7.0	2.0	762	--
01...	1308	80513	80513	174	174	240	7.4	6.5	1.8	762	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
NOV											
20...	1130	80513	80513	.00	193	200	8.0	12.0	7.6	768	5.5
20...	1132	80513	80513	10.0	193	200	8.0	12.0	6.6	768	--
20...	1134	80513	80513	20.0	193	200	8.0	12.0	6.0	768	--
20...	1136	80513	80513	30.0	193	200	8.0	12.0	5.7	768	--
20...	1138	80513	80513	40.0	193	200	8.0	12.0	5.5	768	--
20...	1140	80513	80513	50.0	193	200	8.0	12.0	5.5	768	--
20...	1142	80513	80513	60.0	193	200	8.0	12.0	5.4	768	--
20...	1144	80513	80513	70.0	193	200	8.0	12.0	5.4	768	--
20...	1146	80513	80513	80.0	193	200	8.0	12.0	5.4	768	--
20...	1148	80513	80513	90.0	193	210	7.9	12.0	2.3	768	--
20...	1150	80513	80513	100	193	210	7.6	11.5	.7	768	--
20...	1152	80513	80513	110	193	210	7.6	11.0	.4	768	--
20...	1154	80513	80513	120	193	210	7.5	10.5	.3	768	--
20...	1156	80513	80513	130	193	200	7.5	10.0	.2	768	--
20...	1158	80513	80513	140	193	200	7.4	9.5	.2	768	--
20...	1200	80513	80513	150	193	200	7.4	9.5	.1	768	--
20...	1202	80513	80513	160	193	210	7.4	9.0	.1	768	--
20...	1204	80513	80513	170	193	210	7.4	8.5	.1	768	--
20...	1206	80513	80513	180	193	220	7.4	8.0	.1	768	--
20...	1208	80513	80513	190	193	220	7.4	8.0	.1	768	--
20...	1210	80513	80513	193	193	220	7.4	8.0	.1	768	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
DEC								
11...	1130	80513	80513	.00	176	220	8.1	10.0
11...	1131	80513	80010	3.00	176	220	8.1	10.0
11...	1134	80513	80513	10.0	176	220	8.1	10.0
11...	1136	80513	80513	20.0	176	220	8.1	10.0
11...	1140	80513	80010	25.0	176	220	8.1	10.0
11...	1142	80513	80513	30.0	176	220	8.1	10.0
11...	1144	80513	80513	40.0	176	220	8.0	10.0
11...	1146	80513	80513	50.0	176	220	8.0	10.0
11...	1148	80513	80513	60.0	176	220	8.0	10.0
11...	1150	80513	80513	70.0	176	220	8.0	10.0
11...	1152	80513	80513	80.0	176	220	8.0	10.0
11...	1156	80513	80513	90.0	176	220	8.0	10.0
11...	1200	80513	80010	100	176	220	8.0	10.0
11...	1202	80513	80513	110	176	220	8.0	10.0
11...	1204	80513	80513	120	176	220	8.0	9.5
11...	1206	80513	80513	130	176	220	8.0	9.5
11...	1208	80513	80513	140	176	220	8.0	9.5
11...	1210	80513	80513	150	176	220	8.0	9.5
11...	1212	80513	80513	160	176	230	7.9	9.5
11...	1215	80513	80513	170	176	240	7.7	9.0
11...	1220	80513	80513	176	176	240	7.5	9.0

07053400 TABLE ROCK LAKE NEAR BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC								
11...	1130	8.4	750	3.4	0	--	--	--
11...	1140	8.0	750	--	--	<1	1.5	1.4
11...	1200	7.9	750	--	--	<1	1.0	1.2

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC								
11...	1131	--	--	--	--	--	.900	<.100
11...	1140	100	99	.30	<.010	<.010	--	--
11...	1200	110	99	.40	<.010	<.010	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JAN, 1985											
10...	1230	80513	80513	.00	202	220	7.9	8.0	10.8	753	3.4
10...	1232	80513	80513	10.0	202	220	7.9	8.0	10.6	753	--
10...	1234	80513	80513	20.0	202	220	7.9	8.0	10.2	753	--
10...	1236	80513	80513	30.0	202	220	7.9	8.0	9.4	753	--
10...	1238	80513	80513	40.0	202	220	7.9	8.0	8.8	753	--
10...	1240	80513	80513	50.0	202	220	7.9	8.0	8.2	753	--
10...	1242	80513	80513	60.0	202	220	7.9	8.0	8.2	753	--
10...	1244	80513	80513	70.0	202	220	7.9	8.0	8.2	753	--
10...	1246	80513	80513	80.0	202	220	7.9	8.0	8.2	753	--
10...	1248	80513	80513	90.0	202	220	7.9	8.0	8.2	753	--
10...	1250	80513	80513	100	202	220	7.9	8.0	8.2	753	--
10...	1252	80513	80513	110	202	220	7.9	8.0	8.3	753	--
10...	1254	80513	80513	120	202	220	7.9	8.0	8.3	753	--
10...	1256	80513	80513	130	202	220	7.9	8.0	8.4	753	--
10...	1258	80513	80513	140	202	220	7.9	8.0	8.5	753	--
10...	1300	80513	80513	150	202	220	7.8	8.0	8.5	753	--
10...	1302	80513	80513	160	202	220	7.8	8.0	8.5	753	--
10...	1304	80513	80513	170	202	220	7.8	8.0	8.5	753	--
10...	1306	80513	80513	180	202	220	7.8	8.0	8.5	753	--
10...	1308	80513	80513	190	202	220	7.7	8.0	8.5	753	--
10...	1312	80513	80513	200	202	230	7.6	8.0	8.5	753	--
10...	1315	80513	80513	202	202	240	7.6	8.0	8.5	753	--
FEB											
06...	1230	80513	80513	.00	187	240	8.0	4.5	11.6	753	4.2
06...	1232	80513	80513	10.0	187	240	8.0	4.5	11.6	753	--
06...	1234	80513	80513	20.0	187	240	8.0	4.5	11.6	753	--
06...	1236	80513	80513	30.0	187	240	8.0	4.5	11.8	753	--
06...	1238	80513	80513	40.0	187	240	8.0	4.5	11.8	753	--
06...	1240	80513	80513	50.0	187	240	8.0	4.5	11.8	753	--
06...	1242	80513	80513	60.0	187	240	8.0	4.5	11.8	753	--
06...	1244	80513	80513	70.0	187	240	8.0	4.5	11.8	753	--
06...	1246	80513	80513	80.0	187	240	8.0	4.5	11.8	753	--
06...	1248	80513	80513	90.0	187	240	8.0	4.5	11.6	753	--
06...	1250	80513	80513	100	187	240	8.0	4.5	11.6	753	--
06...	1252	80513	80513	110	187	240	8.0	4.5	11.6	753	--
06...	1254	80513	80513	120	187	240	8.0	4.5	11.6	753	--
06...	1256	80513	80513	130	187	240	8.0	4.5	11.4	753	--
06...	1258	80513	80513	140	187	240	8.0	4.5	11.4	753	--
06...	1300	80513	80513	150	187	240	8.0	4.5	11.4	753	--
06...	1302	80513	80513	160	187	240	8.0	4.5	11.4	753	--
06...	1304	80513	80513	170	187	240	7.9	4.5	11.4	753	--
06...	1306	80513	80513	180	187	240	7.9	4.5	11.4	753	--
06...	1310	80513	80513	187	187	240	7.8	4.5	11.4	753	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR											
06...	1830	80513	80513	.00	204	180	8.4	6.0	13.2	755	1.80
06...	1832	80513	80513	10.0	197	180	8.3	6.0	13.2	755	--
06...	1834	80513	80513	20.0	197	180	8.3	6.0	13.2	755	--
06...	1836	80513	80513	30.0	197	180	8.3	5.5	13.2	755	--
06...	1838	80513	80513	40.0	197	180	8.3	5.5	13.0	755	--
06...	1840	80513	80513	50.0	197	180	8.2	5.5	13.0	755	--
06...	1842	80513	80513	60.0	197	180	8.2	5.5	13.0	755	--
06...	1844	80513	80513	70.0	197	180	8.2	5.5	13.0	755	--
06...	1846	80513	80513	80.0	197	180	8.1	5.5	12.9	755	--
06...	1848	80513	80513	90.0	197	180	8.1	5.5	12.9	755	--
06...	1850	80513	80513	100	197	180	8.1	5.5	12.8	755	--
06...	1852	80513	80513	110	197	180	8.1	5.0	12.8	755	--
06...	1854	80513	80513	120	197	180	8.1	5.0	12.6	755	--
06...	1856	80513	80513	130	197	180	8.0	5.0	12.4	755	--
06...	1858	80513	80513	140	197	190	8.0	4.5	12.4	755	--
06...	1900	80513	80513	150	197	190	8.0	4.5	12.2	755	--
06...	1902	80513	80513	160	197	190	8.0	4.5	12.1	755	--
06...	1904	80513	80513	170	197	190	8.0	4.5	12.0	755	--
06...	1906	80513	80513	180	197	190	8.0	4.5	12.0	755	--
06...	1908	80513	80513	190	197	190	8.0	4.5	12.0	755	--
06...	1910	80513	80513	197	197	200	7.8	4.5	12.0	755	--
APR											
05...	0830	80513	80513	.00	187	200	8.3	12.5	.0	739	3.3
05...	0832	80513	80513	10.0	187	200	8.3	12.0	12.2	739	--
05...	0834	80513	80513	20.0	187	200	8.3	11.5	12.1	739	--
05...	0836	80513	80513	30.0	187	200	8.3	11.5	12.0	739	--
05...	0838	80513	80513	40.0	187	200	8.2	11.0	12.0	739	--
05...	0840	80513	80513	50.0	187	200	8.1	10.0	11.6	739	--
05...	0842	80513	80513	60.0	187	200	8.1	10.0	11.6	739	--
05...	0844	80513	80513	70.0	187	200	8.0	9.5	11.4	739	--
05...	0846	80513	80513	80.0	187	200	8.0	9.5	11.4	739	--
05...	0848	80513	80513	90.0	187	200	8.0	9.5	11.4	739	--
05...	0850	80513	80513	100	187	200	8.0	8.5	11.8	739	--
05...	0852	80513	80513	110	187	200	8.0	7.5	11.8	739	--
05...	0854	80513	80513	120	187	200	7.9	7.5	11.8	739	--
05...	0856	80513	80513	130	187	200	7.9	6.5	11.8	739	--
05...	0858	80513	80513	140	187	210	7.8	5.5	11.8	739	--
05...	0900	80513	80513	150	187	210	7.8	5.0	11.8	739	--
05...	0902	80513	80513	160	187	210	7.8	5.0	11.0	739	--
05...	0904	80513	80513	170	187	210	7.8	5.0	11.6	739	--
05...	0906	80513	80513	180	187	210	7.8	4.0	11.6	739	--
05...	0910	80513	80513	187	187	220	7.7	4.0	11.2	739	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
MAY								
09...	0900	80513	80513	.00	180	205	8.9	19.5
09...	0901	80513	80010	3.00	180	205	8.9	19.5
09...	0902	80513	80513	10.0	180	205	8.9	19.5
09...	0905	80513	80513	15.0	180	205	8.7	18.5
09...	0907	80513	80513	20.0	180	205	8.6	18.0
09...	0910	80513	80010	25.0	180	203	8.3	17.0
09...	0912	80513	80513	30.0	180	205	8.1	16.0
09...	0914	80513	80513	35.0	180	205	7.9	15.0
09...	0916	80513	80513	36.0	180	205	7.7	14.0
09...	0918	80513	80513	37.0	180	205	7.7	13.0
09...	0920	80513	80513	40.0	180	205	7.7	12.0
09...	0922	80513	80513	45.0	180	205	7.7	11.0
09...	0924	80513	80513	50.0	180	205	7.7	11.0
09...	0926	80513	80513	60.0	180	195	7.7	11.0
09...	0928	80513	80513	70.0	180	195	7.7	10.5
09...	0930	80513	80513	80.0	180	185	7.7	10.5
09...	0932	80513	80513	90.0	180	185	7.7	10.5
09...	0935	80513	80010	100	180	187	7.6	10.0
09...	0937	80513	80513	110	180	185	7.6	9.5
09...	0940	80513	80513	120	180	185	7.6	9.0
09...	0942	80513	80513	130	180	185	7.6	9.0
09...	0944	80513	80513	140	180	185	7.5	8.0
09...	0946	80513	80513	150	180	205	7.5	7.0
09...	0948	80513	80513	160	180	205	7.5	6.0
09...	0950	80513	80513	170	180	225	7.5	6.0
09...	0955	80513	80513	180	180	225	7.5	5.5

07053400 TABLE ROCK LAKE NEAR BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
MAY								
09...	0900	12.0	758	3.5	0	--	--	--
09...	0910	8.8	758	--	--	10	1.0	1.3
09...	0935	8.9	758	--	--	5	2.0	1.0

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY								
09...	0901	--	--	1.1	.010	<.010	3.40	<.100
09...	0910	98	92	.60	<.010	<.010	--	--
09...	0935	93	84	.70	.030	.030	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUN									
06...	1000	80513	80513	.00	182	174	8.8	23.5	9.0
06...	1001	80513	80010	3.00	182	174	8.8	23.5	8.9
06...	1002	80513	80513	10.0	182	174	8.7	23.5	8.9
06...	1004	80513	80513	19.0	182	186	8.6	22.5	8.2
06...	1006	80513	80513	20.0	182	190	8.5	21.5	7.2
06...	1008	80513	80513	22.0	182	192	8.3	20.5	6.8
06...	1010	80513	80513	25.0	182	196	8.1	19.5	5.5
06...	1012	80513	80513	30.0	182	220	7.8	18.5	5.1
06...	1014	80513	80513	33.0	182	220	7.7	17.5	4.8
06...	1016	80513	80513	37.0	182	220	7.6	16.5	4.4
06...	1018	80513	80513	40.0	182	220	7.6	15.5	4.3
06...	1020	80513	80513	42.0	182	220	7.5	14.5	4.5
06...	1022	80513	80513	45.0	182	220	7.5	13.5	4.9
06...	1024	80513	80513	50.0	182	220	7.5	12.5	5.7
06...	1026	80513	80513	55.0	182	220	7.5	12.0	6.1
06...	1028	80513	80513	60.0	182	210	7.5	11.5	6.4
06...	1030	80513	80513	70.0	182	210	7.5	11.0	7.0
06...	1032	80513	80513	80.0	182	210	7.5	10.5	7.2
06...	1034	80513	80513	90.0	182	210	7.5	10.5	7.3
06...	1036	80513	80513	100	182	200	7.5	10.0	7.4
06...	1038	80513	80513	110	182	184	7.5	10.0	7.5
06...	1040	80513	80513	120	182	178	7.4	9.5	7.8
06...	1042	80513	80513	130	182	174	7.4	9.0	8.0
06...	1044	80513	80513	140	182	178	7.4	8.5	8.2
06...	1046	80513	80513	150	182	198	7.4	7.5	7.2
06...	1048	80513	80513	160	182	198	7.4	7.0	7.5
06...	1050	80513	80513	170	182	220	7.3	6.5	6.8
06...	1052	80513	80513	180	182	220	7.3	6.0	6.4
06...	1055	80513	80513	182	182	220	7.3	6.0	6.0

DATE	TIME	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN								
06...	1000	742	.20	--	--	--	--	--
06...	1001	742	--	.30	<.010	<.010	.500	<.100

07053400 TABLE ROCK LAKE NEAR BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL									
10...	1100	80513	80513	.00	194	161	8.9	29.0	9.2
10...	1101	80513	80010	3.00	194	160	8.9	29.0	9.1
10...	1102	80513	80513	10.0	194	158	8.9	26.5	9.1
10...	1104	80513	80513	19.0	194	158	8.8	27.5	9.1
10...	1106	80513	80513	20.0	194	160	8.8	27.0	8.7
10...	1108	80513	80513	22.0	194	165	8.5	26.0	7.4
10...	1110	80513	80513	23.0	194	164	8.5	25.5	6.9
10...	1112	80513	80513	25.0	194	182	7.9	24.0	3.9
10...	1114	80513	80513	27.0	194	184	7.8	23.5	3.4
10...	1116	80513	80513	30.0	194	185	7.7	23.0	2.5
10...	1118	80513	80513	33.0	194	194	7.5	21.0	.6
10...	1120	80513	80513	35.0	194	198	7.5	20.5	.3
10...	1122	80513	80513	37.0	194	199	7.5	19.5	.3
10...	1124	80513	80513	40.0	194	198	7.4	18.5	.3
10...	1126	80513	80513	42.0	194	196	7.4	17.5	.4
10...	1128	80513	80513	46.0	194	194	7.4	16.5	1.1
10...	1130	80513	80513	50.0	194	190	7.4	15.5	1.5
10...	1132	80513	80513	55.0	194	188	7.4	14.5	2.2
10...	1134	80513	80513	60.0	194	186	7.4	13.5	2.8
10...	1136	80513	80513	70.0	194	185	7.4	12.5	3.9
10...	1138	80513	80513	80.0	194	185	7.4	12.0	4.9
10...	1140	80513	80513	90.0	194	185	7.4	11.5	5.3
10...	1142	80513	80513	100	194	185	7.4	11.5	5.6
10...	1144	80513	80513	110	194	185	7.4	11.0	5.8
10...	1146	80513	80513	120	194	185	7.4	10.5	6.0
10...	1148	80513	80513	130	194	185	7.4	10.5	6.2
10...	1150	80513	80513	140	194	185	7.3	10.0	6.3
10...	1152	80513	80513	150	194	185	7.3	9.5	6.1
10...	1154	80513	80513	160	194	186	7.2	9.0	5.6
10...	1156	80513	80513	170	194	190	7.2	8.5	4.4
10...	1158	80513	80513	180	194	196	7.1	8.0	3.0
10...	1200	80513	80513	190	194	196	7.1	8.0	2.0
10...	1205	80513	80513	194	194	198	7.0	7.5	1.6

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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								
10...	1100	742	2.90	--	--	--	--	--
10...	1101	742	--	<.10	<.010	.010	3.30	<.100

07053400 TABLE ROCK LAKE NEAR BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
AUG								
08...	1000	80513	80513	.00	178	164	8.8	27.5
08...	1001	80513	80010	3.00	178	164	8.8	27.5
08...	1002	80513	80513	10.0	178	164	8.8	27.5
08...	1004	80513	80513	20.0	178	168	8.7	27.0
08...	1005	80513	80010	25.0	178	173	8.6	26.5
08...	1007	80513	80513	29.0	178	196	8.1	24.5
08...	1009	80513	80513	30.0	178	208	8.0	24.0
08...	1011	80513	80513	34.0	178	216	7.7	23.0
08...	1012	80513	80513	36.0	178	235	7.5	21.0
08...	1014	80513	80513	40.0	178	235	7.5	20.0
08...	1016	80513	80513	45.0	178	236	7.5	18.5
08...	1018	80513	80513	50.0	178	228	7.4	17.0
08...	1020	80513	80513	55.0	178	225	7.4	16.5
08...	1022	80513	80513	60.0	178	224	7.4	15.0
08...	1024	80513	80513	70.0	178	215	7.4	13.5
08...	1026	80513	80513	80.0	178	210	7.4	12.5
08...	1028	80513	80513	90.0	178	211	7.4	12.0
08...	1030	80513	80010	100	178	204	7.4	11.5
08...	1032	80513	80513	110	178	201	7.4	11.0
08...	1034	80513	80513	120	178	190	7.4	11.0
08...	1036	80513	80513	130	178	184	7.3	10.5
08...	1038	80513	80513	140	178	176	7.3	10.5
08...	1040	80513	80513	150	178	174	7.2	10.0
08...	1042	80513	80513	160	178	179	7.2	9.5
08...	1043	80513	80513	170	178	191	7.1	9.0
08...	1045	80513	80513	178	178	194	7.0	8.5

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
AUG								
08...	1000	8.7	742	2.50	1	--	--	--
08...	1005	7.2	742	--	--	10	.80	.9
08...	1030	4.3	742	--	--	5	.60	.6

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
AUG								
08...	1001	--	--	--	<.010	<.010	4.10	<.100
08...	1005	120	106	.30	<.010	<.010	--	--
08...	1030	110	93	.80	<.010	<.010	--	--

07053400 TABLE ROCK LAKE NEAR BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
AUG											
21...	0800	80513	80513	.00	168	165	9.0	27.0	8.3	743	3.00
21...	0802	80513	80513	10.0	168	165	9.0	27.0	8.1	743	--
21...	0804	80513	80513	20.0	168	167	8.9	27.0	7.5	743	--
21...	0806	80513	80513	24.0	168	194	8.2	25.5	3.8	743	--
21...	0808	80513	80513	26.0	168	201	8.1	24.5	2.4	743	--
21...	0810	80513	80513	30.0	168	213	7.8	23.0	.5	743	--
21...	0812	80513	80513	35.0	168	228	7.8	21.0	.2	743	--
21...	0814	80513	80513	37.0	168	230	7.8	20.0	.2	743	--
21...	0816	80513	80513	40.0	168	237	7.7	19.0	.2	743	--
21...	0818	80513	80513	45.0	168	233	7.7	18.0	.2	743	--
21...	0820	80513	80513	50.0	168	228	7.7	17.0	.2	743	--
21...	0822	80513	80513	55.0	168	227	7.7	16.0	.2	743	--
21...	0824	80513	80513	60.0	168	225	7.7	15.0	.2	743	--
21...	0826	80513	80513	65.0	168	220	7.6	14.0	.3	743	--
21...	0828	80513	80513	70.0	168	214	7.6	13.5	.6	743	--
21...	0830	80513	80513	80.0	168	201	7.6	12.5	2.3	743	--
21...	0832	80513	80513	90.0	168	199	7.6	12.0	3.1	743	--
21...	0834	80513	80513	100	168	196	7.6	11.5	3.7	743	--
21...	0836	80513	80513	110	168	189	7.6	11.0	4.5	743	--
21...	0838	80513	80513	120	168	185	7.6	11.0	4.5	743	--
21...	0840	80513	80513	130	168	180	7.6	10.5	4.7	743	--
21...	0842	80513	80513	140	168	173	7.5	10.0	4.4	743	--
21...	0844	80513	80513	150	168	182	7.5	10.0	3.5	743	--
21...	0846	80513	80513	160	168	183	7.4	9.5	2.2	743	--
21...	0850	80513	80513	168	168	189	7.3	9.0	.3	743	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP									
05...	1230	80513	80513	.00	197	201	8.6	27.5	8.2
05...	1231	80513	80010	3.00	178	201	8.6	27.5	8.1
05...	1232	80513	80513	10.0	178	200	8.6	27.5	8.0
05...	1234	80513	80513	20.0	178	200	8.8	27.5	8.0
05...	1236	80513	80513	28.0	178	206	8.6	26.0	3.4
05...	1238	80513	80513	29.0	178	231	7.8	25.0	1.6
05...	1240	80513	80513	30.0	178	234	7.6	24.5	1.1
05...	1242	80513	80513	33.0	178	248	7.5	23.5	.2
05...	1244	80513	80513	37.0	178	266	7.5	21.5	.2
05...	1246	80513	80513	40.0	178	281	7.5	20.5	.2
05...	1248	80513	80513	44.0	178	282	7.5	19.5	.1
05...	1250	80513	80513	48.0	178	275	7.5	18.5	.1
05...	1252	80513	80513	50.0	178	273	7.5	18.0	.1
05...	1254	80513	80513	55.0	178	261	7.5	17.0	.1
05...	1256	80513	80513	60.0	178	261	7.5	16.5	.1
05...	1258	80513	80513	67.0	178	258	7.5	15.0	.1
05...	1300	80513	80513	70.0	178	253	7.5	14.5	.2
05...	1302	80513	80513	80.0	178	248	7.4	14.0	.1
05...	1304	80513	80513	90.0	178	220	7.4	12.5	1.2
05...	1306	80513	80513	100	178	216	7.4	12.0	2.2
05...	1308	80513	80513	110	178	218	7.4	11.5	3.2
05...	1310	80513	80513	120	178	214	7.4	11.5	3.5
05...	1312	80513	80513	130	178	209	7.4	11.0	3.8
05...	1314	80513	80513	140	178	225	7.4	10.5	3.7
05...	1316	80513	80513	150	178	212	7.3	10.5	3.0
05...	1318	80513	80513	160	178	210	7.2	10.0	1.8
05...	1320	80513	80513	170	178	214	7.2	9.5	.4
05...	1325	80513	80513	178	178	223	7.2	9.0	.2

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP									
05...	1230	735	1.90	--	--	--	--	--	--
05...	1231	745	--	<.10	.010	<.010	.03	5.00	<.100

07053400 TABLE ROCK LAKE NEAR BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
SEP											
24...	1230	80513	80513	.00	176	197	8.4	23.5	7.2	747	2.70
24...	1232	80513	80513	10.0	176	196	8.5	23.0	7.4	747	--
24...	1234	80513	80513	20.0	176	196	8.4	23.0	7.4	747	--
24...	1236	80513	80513	30.0	176	197	8.4	23.0	7.1	747	--
24...	1238	80513	80513	40.0	176	202	8.3	23.0	5.8	747	--
24...	1240	80513	80513	43.0	176	219	7.8	22.5	3.1	747	--
24...	1242	80513	80513	46.0	176	230	7.6	21.5	1.3	747	--
24...	1244	80513	80513	50.0	176	240	7.5	19.5	.1	747	--
24...	1246	80513	80513	55.0	176	239	7.5	18.5	.1	747	--
24...	1248	80513	80513	60.0	176	235	7.5	17.5	.1	747	--
24...	1250	80513	80513	65.0	176	230	7.5	17.0	.1	747	--
24...	1252	80513	80513	70.0	176	229	7.5	15.5	.1	747	--
24...	1254	80513	80513	77.0	176	227	7.5	14.5	.1	747	--
24...	1256	80513	80513	80.0	176	225	7.5	14.5	.1	747	--
24...	1258	80513	80513	90.0	176	203	7.4	13.0	.3	747	--
24...	1300	80513	80513	100	176	189	7.4	12.5	1.5	747	--
24...	1302	80513	80513	110	176	207	7.4	12.0	2.2	747	--
24...	1304	80513	80513	120	176	207	7.4	12.0	2.6	747	--
24...	1306	80513	80513	130	176	206	7.4	11.5	2.8	747	--
24...	1308	80513	80513	140	176	208	7.4	11.5	2.6	747	--
24...	1310	80513	80513	150	176	183	7.3	10.5	1.8	747	--
24...	1312	80513	80513	160	176	185	7.3	10.5	.5	747	--
24...	1314	80513	80513	170	176	190	7.2	10.0	.2	747	--
24...	1315	80513	80513	176	176	199	7.2	10.0	.1	747	--

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (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)	COLOR (PLATINUM-COBALT UNITS) (00080)
OCT, 1984											
02...	1120	80513	80513	40	220	8.0	11.0	7.9	73	746	--
18...	0730	80513	80010	2540	230	7.5	10.0	5.6	51	746	--
NOV											
01...	1200	80513	80513	5040	230	7.4	12.0	7.4	69	762	--
20...	1100	80513	80010	5240	220	7.9	9.5	7.6	66	768	--
DEC											
11...	1100	80513	80010	40	260	7.5	10.5	7.2	66	750	<1
JAN, 1985											
10...	1200	80513	80513	22400	220	7.8	8.0	10.8	92	759	--
FEB											
06...	1200	80513	80513	40	280	7.8	6.0	8.6	70	753	--
MAR											
06...	1800	80513	80513	14000	190	8.1	5.0	13.8	109	755	--
APR											
05...	0800	80513	80513	14000	200	7.8	6.0	11.6	96	739	--
MAY											
05...	0930	80513	80513	14000	189	7.5	11.0	6.8	63	747	--
09...	0800	80513	80010	12000	204	7.6	8.0	10.2	87	758	5
JUN											
06...	0930	80513	80513	680	184	7.2	8.5	8.6	76	742	--
JUL											
10...	1030	80513	80513	40	165	7.8	12.5	9.0	86	746	--
AUG											
08...	0930	80513	80010	40	189	7.5	11.0	7.0	65	747	5
21...	0730	80513	80513	40	183	8.1	11.0	5.6	52	749	--
SEP											
05...	1200	80513	80513	40	228	7.6	13.0	6.8	66	745	--
24...	1130	80513	80513	40	204	7.3	12.5	8.1	77	752	--

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
OCT, 1984										
18...	0730	--	--	--	--	--	--	--	180	160
NOV										
20...	1100	--	--	--	--	--	--	--	150	330
DEC										
11...	1100	1.0	.9	0	121	.80	.030	.010	170	180
MAY, 1985										
09...	0800	3.0	1.5	K3	88	.80	.060	.040	--	--
AUG										
08...	0930	1.0	.4	2	84	.60	<.010	.010	--	--

07053700 LAKE TANEYCOMO AT BRANSON, MO.

LOCATION.--Lat 36°38'09", long 93°15'52", in SE 1/4 NW 1/4 sec.4, T.22 N., R.21 W., Taney County, Hydrologic Unit 1101003, 1,000 ft. 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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT, 1984										
03...	1530	1028	80020	230	7.5	13.0	--	6.4	60	775
NOV										
06...	1030	1028	80020	240	7.4	11.0	--	5.4	48	781
DEC										
05...	1045	1028	80020	220	7.5	10.5	--	7.0	61	779
12...	1335	80513	80010	230	7.8	11.0	1.0	7.6	71	737
12...	1340	80513	80010	230	7.8	11.0	2.0	7.6	71	737
JAN, 1985										
10...	1630	1028	80020	215	7.8	8.0	--	10.3	85	782
FEB										
21...	1405	1028	80020	215	8.2	5.0	--	10.7	82	775
MAR										
19...	1115	1028	80020	210	7.3	6.0	--	9.0	72	769
APR										
16...	1030	1028	80020	200	7.9	8.5	--	11.8	99	775
MAY										
09...	1135	80513	80010	208	7.5	8.5	2.5	9.1	78	760
09...	1140	80513	80010	208	7.5	8.5	3.0	9.2	79	760
22...	0730	1028	80020	200	8.2	9.5	--	10.0	87	771
JUN										
12...	0745	1028	80020	196	8.0	10.0	--	8.6	75	775
JUL										
11...	0700	1028	80020	200	8.1	12.0	--	8.0	--	--
AUG										
06...	0745	1028	80020	201	7.2	11.0	--	5.7	51	774
08...	0835	80513	80010	201	7.8	13.0	1.3	7.4	72	747
08...	0840	80513	80010	201	7.7	12.5	1.0	6.7	64	747
SEP										
10...	0730	1028	80020	196	7.5	13.0	--	6.5	61	776

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARDNESS (MG/L AS CACO3) (00900)	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)
OCT, 1984									
03...	1530	3	120	17	37	6.1	2.9	5	.1
NOV									
06...	1030	15	--	--	--	--	--	--	--
DEC									
05...	1045	11	--	--	--	--	--	--	--
12...	1335	--	110	--	--	--	--	--	--
12...	1340	--	110	--	--	--	--	--	--
JAN, 1985									
10...	1630	8	110	13	35	5.8	3.5	6	.2
FEB									
21...	1405	K2	--	--	--	--	--	--	--
MAR									
19...	1115	K1	--	--	--	--	--	--	--
APR									
16...	1030	5	110	24	35	5.2	2.8	5	.1
MAY									
09...	1135	--	100	--	--	--	--	--	--
09...	1140	--	100	--	--	--	--	--	--
22...	0730	260	--	--	--	--	--	--	--
JUN									
12...	0745	92	--	--	--	--	--	--	--
JUL									
11...	0700	40	100	24	33	4.8	2.9	6	.1
AUG									
06...	0745	100	--	--	--	--	--	--	--
08...	0835	--	110	--	--	--	--	--	--
08...	0840	--	100	--	--	--	--	--	--
SEP									
10...	0730	96	--	--	--	--	--	--	--

07053700 LAKE TANEYCOMO AT BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
03...	1530	1.6	101	8.5	5.0	<.10	134	.18	.70
NOV									
06...	1030	--	128	--	--	--	--	--	.50
DEC									
05...	1045	--	98	--	--	--	--	--	.40
12...	1335	--	99	--	--	--	--	--	.30
12...	1340	--	99	--	--	--	--	--	.30
JAN, 1985									
10...	1630	1.5	98	9.4	6.1	<.10	136	.19	.50
FEB									
21...	1405	--	88	--	--	--	--	--	.50
MAR									
19...	1115	--	95	--	--	--	--	--	.70
APR									
16...	1030	1.6	85	8.4	4.6	<.10	111	.15	.90
MAY									
09...	1135	--	92	--	--	--	--	--	.80
09...	1140	--	88	--	--	--	--	--	.80
22...	0730	--	82	--	--	--	--	--	.80
JUN									
12...	0745	--	78	--	--	--	--	--	.80
JUL									
11...	0700	1.9	78	7.8	4.0	<.10	111	.15	.80
AUG									
06...	0745	--	78	--	--	--	--	--	.80
08...	0835	--	92	--	--	--	--	--	.70
08...	0840	--	99	--	--	--	--	--	.70
SEP									
10...	0730	--	78	--	--	--	--	--	.70

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	COPPER, DISSOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
OCT, 1984									
03...	1530	.050	.020	<1	<1	1	7	<3	70
NOV									
06...	1030	.040	.010	--	--	--	--	--	--
DEC									
05...	1045	.080	.020	--	--	--	--	--	--
12...	1335	--	<.010	--	--	--	--	--	--
12...	1340	--	<.010	--	--	--	--	--	--
JAN, 1985									
10...	1630	.030	.020	1	1	2	5	4	70
FEB									
21...	1405	.030	.010	--	--	--	--	--	--
MAR									
19...	1115	.040	.020	--	--	--	--	--	--
APR									
16...	1030	.040	.030	<1	1	<1	4	13	100
MAY									
09...	1135	--	.020	--	--	--	--	--	--
09...	1140	--	.020	--	--	--	--	--	--
22...	0730	.050	.030	--	--	--	--	--	--
JUN									
12...	0745	.020	.020	--	--	--	--	--	--
JUL									
11...	0700	.070	.010	<1	1	4	4	11	140
AUG									
06...	0745	.040	.010	--	--	--	--	--	--
08...	0835	--	<.010	--	--	--	--	--	--
08...	0840	--	<.010	--	--	--	--	--	--
SEP									
10...	0730	.040	.010	--	--	--	--	--	--

07053700 LAKE TANEYCOMO AT BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1984									
03...	1530	2	<1	83	120	<.1	<.1	7	50
JAN, 1985									
10...	1630	4	<1	4	40	<.1	.1	5	20
APR									
16...	1030	4	<1	5	20	<.1	<.1	15	10
JUL									
11...	0700	2	2	23	40	<.1	.2	54	50

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT, 1984											
17...	1130	80513	80513	.00	172	240	8.3	17.5	7.6	764	5.8
17...	1132	80513	80513	10.0	172	240	8.3	17.5	7.2	764	--
17...	1134	80513	80513	20.0	172	260	8.3	17.5	6.5	764	--
17...	1136	80513	80513	30.0	172	260	8.3	17.5	6.4	764	--
17...	1138	80513	80513	40.0	172	260	8.2	17.5	6.2	764	--
17...	1140	80513	80513	50.0	172	260	8.2	17.5	5.9	764	--
17...	1142	80513	80513	60.0	172	260	7.9	17.0	3.2	764	--
17...	1144	80513	80513	65.0	172	270	7.5	16.0	1.5	764	--
17...	1146	80513	80513	70.0	172	270	7.5	15.0	.5	764	--
17...	1148	80513	80513	75.0	172	270	7.4	14.0	.5	764	--
17...	1150	80513	80513	80.0	172	270	7.4	13.5	.6	764	--
17...	1152	80513	80513	90.0	172	270	7.4	12.5	1.2	764	--
17...	1154	80513	80513	100	172	270	7.5	12.0	1.8	764	--
17...	1156	80513	80513	110	172	270	7.5	11.0	2.3	764	--
17...	1158	80513	80513	120	172	270	7.5	10.5	2.3	764	--
17...	1200	80513	80513	130	172	270	7.5	10.0	2.2	764	--
17...	1202	80513	80513	140	172	270	7.5	9.5	1.8	764	--
17...	1204	80513	80513	150	172	270	7.4	8.5	.5	764	--
17...	1206	80513	80513	160	172	280	7.3	8.0	.2	764	--
17...	1208	80513	80513	170	172	280	7.2	7.5	.2	764	--
17...	1210	80513	80513	172	172	280	7.3	7.0	.1	764	--
NOV											
07...	1330	80513	80513	.00	177	250	8.2	15.0	7.4	761	5.0
07...	1332	80513	80513	10.0	177	250	8.2	15.0	7.0	761	--
07...	1334	80513	80513	20.0	177	250	8.2	15.0	6.9	761	--
07...	1336	80513	80513	30.0	177	250	8.1	15.0	6.6	761	--
07...	1338	80513	80513	40.0	177	250	8.1	15.0	6.5	761	--
07...	1340	80513	80513	50.0	177	260	7.6	14.5	3.0	761	--
07...	1342	80513	80513	60.0	177	270	7.5	13.5	1.0	761	--
07...	1344	80513	80513	70.0	177	270	7.4	13.0	.8	761	--
07...	1346	80513	80513	80.0	177	270	7.4	12.5	.9	761	--
07...	1348	80513	80513	90.0	177	270	7.4	12.0	1.3	761	--
07...	1350	80513	80513	100	177	270	7.4	11.5	1.5	761	--
07...	1352	80513	80513	110	177	270	7.4	11.0	1.8	761	--
07...	1354	80513	80513	120	177	270	7.4	10.5	1.8	761	--
07...	1356	80513	80513	130	177	270	7.4	10.0	1.6	761	--
07...	1358	80513	80513	140	177	270	7.4	9.5	1.2	761	--
07...	1400	80513	80513	150	177	270	7.4	9.0	.7	761	--
07...	1402	80513	80513	160	177	270	7.3	8.0	.4	761	--
07...	1404	80513	80513	170	177	280	7.3	7.5	.2	761	--
07...	1406	80513	80513	177	177	280	7.3	7.5	.2	761	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
DEC								
18...	0830	80513	80513	.00	189	260	8.0	10.5
18...	0831	80513	80010	3.00	189	260	8.0	10.5
18...	0832	80513	80513	10.0	189	260	7.9	10.5
18...	0833	80513	80513	20.0	189	260	7.9	10.5
18...	0835	80513	80010	25.0	189	260	7.9	10.5
18...	0836	80513	80513	30.0	189	260	7.9	10.5
18...	0838	80513	80513	40.0	189	260	7.9	10.5
18...	0840	80513	80513	50.0	189	260	7.9	10.5
18...	0842	80513	80513	60.0	189	260	7.9	10.5
18...	0844	80513	80513	70.0	189	260	7.9	10.5
18...	0846	80513	80513	80.0	189	260	7.8	10.5
18...	0848	80513	80513	90.0	189	260	7.8	10.5
18...	0850	80513	80010	100	189	260	7.8	10.5
18...	0852	80513	80513	110	189	260	7.8	10.5
18...	0854	80513	80513	120	189	260	7.8	10.5
18...	0856	80513	80513	130	189	260	7.8	10.0
18...	0858	80513	80513	140	189	260	7.8	10.0
18...	0900	80513	80513	150	189	260	7.6	9.5
18...	0902	80513	80513	160	189	280	7.4	9.0
18...	0904	80513	80513	170	189	280	7.4	9.0
18...	0906	80513	80513	180	189	280	7.3	8.5
18...	0910	80513	80513	189	189	280	7.3	8.5

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC								
18...	0830	9.0	768	4.4	0	--	--	--
18...	0835	8.5	768	--	--	<1	1.0	.8
18...	0850	8.0	768	--	--	<1	1.0	.6

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
DEC								
18...	0831	--	--	--	--	--	1.10	<.100
18...	0835	140	121	.20	<.010	<.010	--	--
18...	0850	140	128	.20	<.010	<.010	--	--

WHITE RIVER BASIN

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JAN, 1985											
10...	0900	80513	80513	.00	205	260	8.0	9.0	9.8	764	4.9
10...	0902	80513	80513	10.0	205	260	8.0	9.0	9.3	764	--
10...	0904	80513	80513	20.0	205	260	7.9	9.0	8.6	764	--
10...	0906	80513	80513	30.0	205	260	7.9	9.0	8.2	764	--
10...	0908	80513	80513	40.0	205	260	7.9	9.0	8.1	764	--
10...	0910	80513	80513	50.0	205	260	7.9	9.0	8.0	764	--
10...	0912	80513	80513	60.0	205	260	7.9	9.0	8.0	764	--
10...	0914	80513	80513	70.0	205	260	7.9	9.0	8.0	764	--
10...	0916	80513	80513	80.0	205	260	7.9	9.0	8.1	764	--
10...	0918	80513	80513	90.0	205	260	7.9	9.0	8.3	764	--
10...	0920	80513	80513	100	205	260	7.9	9.0	8.5	764	--
10...	0922	80513	80513	110	205	260	7.9	9.0	8.7	764	--
10...	0924	80513	80513	120	205	260	7.9	9.0	8.9	764	--
10...	0926	80513	80513	130	205	260	7.9	9.0	9.0	764	--
10...	0928	80513	80513	140	205	260	7.9	9.0	9.1	764	--
10...	0930	80513	80513	150	205	260	7.9	9.0	9.1	764	--
10...	0932	80513	80513	160	205	260	7.8	9.0	8.8	764	--
10...	0934	80513	80513	170	205	260	7.8	8.5	8.7	764	--
10...	0936	80513	80513	180	205	260	7.8	8.5	8.4	764	--
10...	0938	80513	80513	190	205	260	7.7	8.5	7.2	764	--
10...	0940	80513	80513	200	205	270	7.6	8.5	6.0	764	--
10...	0945	80513	80513	205	205	280	7.5	8.5	2.6	764	--
FEB											
05...	1130	80513	80513	.00	197	300	8.2	5.0	11.2	761	4.3
05...	1132	80513	80513	10.0	197	300	8.2	5.0	11.2	761	--
05...	1134	80513	80513	20.0	197	300	8.2	5.0	11.2	761	--
05...	1136	80513	80513	30.0	197	300	8.2	5.0	11.2	761	--
05...	1138	80513	80513	40.0	197	300	8.2	5.0	11.0	761	--
05...	1140	80513	80513	50.0	197	300	8.2	5.0	10.8	761	--
05...	1142	80513	80513	60.0	197	300	8.2	5.0	10.8	761	--
05...	1144	80513	80513	70.0	197	300	8.2	5.0	10.6	761	--
05...	1146	80513	80513	80.0	197	300	8.2	5.0	10.6	761	--
05...	1148	80513	80513	90.0	197	300	8.2	5.0	10.6	761	--
05...	1150	80513	80513	100	197	300	8.2	5.0	10.4	761	--
05...	1152	80513	80513	110	197	300	8.2	5.0	10.4	761	--
05...	1154	80513	80513	120	197	300	8.2	5.0	10.4	761	--
05...	1156	80513	80513	130	197	300	8.2	5.0	10.4	761	--
05...	1158	80513	80513	140	197	300	8.2	5.0	10.4	761	--
05...	1200	80513	80513	150	197	300	8.2	5.0	10.2	761	--
05...	1202	80513	80513	160	197	300	8.2	5.0	10.2	761	--
05...	1204	80513	80513	170	197	300	8.2	5.0	10.0	761	--
05...	1206	80513	80513	180	197	300	8.2	5.0	10.0	761	--
05...	1208	80513	80513	190	197	300	8.2	5.0	10.0	761	--
05...	1210	80513	80513	197	197	300	8.1	5.0	10.0	761	--
MAR											
06...	1530	80513	80513	.00	192	220	8.3	6.5	12.2	770	1.50
06...	1532	80513	80513	10.0	192	220	8.3	6.0	12.2	770	--
06...	1534	80513	80513	20.0	192	220	9.3	6.0	12.2	770	--
06...	1536	80513	80513	30.0	192	220	8.3	6.0	12.2	770	--
06...	1538	80513	80513	40.0	192	220	8.3	6.0	12.2	770	--
06...	1540	80513	80513	50.0	192	220	8.2	6.0	12.0	770	--
06...	1542	80513	80513	60.0	192	220	8.2	6.0	12.0	770	--
06...	1544	80513	80513	70.0	192	220	8.2	6.0	12.0	770	--
06...	1546	80513	80513	80.0	192	220	8.2	5.5	12.0	770	--
06...	1548	80513	80513	90.0	192	220	8.2	5.5	12.0	770	--
06...	1550	80513	80513	100	192	220	8.2	5.5	12.0	770	--
06...	1552	80513	80513	110	192	220	8.2	5.5	12.0	770	--
06...	1554	80513	80513	120	192	220	8.2	5.5	11.8	770	--
06...	1556	80513	80513	130	192	220	8.1	5.0	11.8	770	--
06...	1558	80513	80513	140	192	220	8.1	5.0	11.8	770	--
06...	1600	80513	80513	150	192	220	8.1	4.5	11.6	770	--
06...	1602	80513	80513	160	192	220	8.1	4.5	11.6	770	--
06...	1604	80513	80513	170	192	220	8.1	4.5	11.4	770	--
06...	1606	80513	80513	180	192	220	8.1	4.5	11.4	770	--
06...	1608	80513	80513	190	192	220	8.1	4.5	11.2	770	--
06...	1610	80513	80513	192	192	230	8.1	4.5	11.2	770	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
APR											
03...	0930	80513	80513	.00	192	246	8.2	11.5	10.2	750	3.7
03...	0932	80513	80513	10.0	192	246	8.1	11.5	10.0	750	--
03...	0934	80513	80513	20.0	192	248	8.1	11.0	10.0	750	--
03...	0936	80513	80513	30.0	192	248	8.1	11.0	10.0	750	--
03...	0938	80513	80513	40.0	192	248	8.0	11.0	10.0	750	--
03...	0940	80513	80513	50.0	192	248	8.0	10.5	9.8	750	--
03...	0942	80513	80513	60.0	192	248	8.0	10.0	9.8	750	--
03...	0944	80513	80513	70.0	192	248	8.0	9.0	9.8	750	--
03...	0946	80513	80513	80.0	192	248	8.0	9.0	9.8	750	--
03...	0948	80513	80513	90.0	192	248	8.0	8.5	9.8	750	--
03...	0950	80513	80513	100	192	248	8.0	8.0	9.6	750	--
03...	0952	80513	80513	110	192	248	8.0	7.0	9.6	750	--
03...	0954	80513	80513	120	192	248	8.0	6.5	9.4	750	--
03...	0956	80513	80513	130	192	248	8.0	6.5	9.4	750	--
03...	0958	80513	80513	140	192	248	8.0	6.0	9.6	750	--
03...	1000	80513	80513	150	192	248	8.0	6.0	9.6	750	--
03...	1002	80513	80513	160	192	248	8.0	6.0	9.6	750	--
03...	1004	80513	80513	170	192	248	8.0	5.0	9.6	750	--
03...	1006	80513	80513	180	192	248	8.0	5.0	9.6	750	--
03...	1008	80513	80513	190	192	248	7.9	4.5	9.2	750	--
03...	1010	80513	80513	192	192	248	7.9	4.5	9.0	750	--
MAY											
22...	0800	80513	80513	.00	202	250	8.6	20.0	9.2	758	5.0
22...	0801	80513	80010	3.00	202	250	8.5	20.0	9.2	758	--
22...	0803	80513	80513	10.0	202	250	8.5	20.0	9.1	758	--
22...	0804	80513	80513	20.0	202	250	8.4	19.0	8.9	758	--
22...	0805	80513	80010	25.0	202	244	8.2	18.0	8.5	758	--
22...	0807	80513	80513	30.0	202	250	8.2	18.0	8.4	758	--
22...	0809	80513	80513	32.0	202	250	9.2	17.0	8.4	758	--
22...	0811	80513	80513	40.0	202	250	8.0	16.0	8.0	758	--
22...	0815	80513	80513	42.0	202	250	8.0	15.0	8.0	758	--
22...	0817	80513	80513	44.0	202	250	7.9	14.0	7.9	758	--
22...	0820	80513	80513	46.0	202	250	7.8	13.0	8.0	758	--
22...	0822	80513	80513	50.0	202	230	7.7	12.0	7.9	758	--
22...	0824	80513	80513	60.0	202	250	7.7	11.0	7.9	758	--
22...	0826	80513	80513	70.0	202	240	7.7	10.5	8.0	758	--
22...	0827	80513	80513	80.0	202	240	7.7	10.0	8.0	758	--
22...	0828	80513	80513	90.0	202	240	7.7	10.0	8.1	758	--
22...	0830	80513	80010	100	202	240	7.7	9.5	8.1	758	--
22...	0832	80513	80513	110	202	240	7.6	9.5	8.3	758	--
22...	0834	80513	80513	120	202	240	7.6	9.0	8.3	758	--
22...	0836	80513	80513	130	202	240	7.6	8.5	8.3	758	--
22...	0838	80513	80513	140	202	240	7.6	7.5	8.5	758	--
22...	0840	80513	80513	150	202	250	7.6	6.5	8.8	758	--
22...	0842	80513	80513	160	202	250	7.6	6.0	8.8	758	--
22...	0844	80513	80513	170	202	250	7.6	6.0	8.7	758	--
22...	0846	80513	80513	180	202	250	7.6	5.5	8.4	758	--
22...	0848	80513	80513	190	202	260	7.6	5.5	8.0	758	--
22...	0850	80513	80513	200	202	260	7.6	5.5	7.5	758	--
22...	0855	80513	80513	202	202	260	7.5	5.5	7.3	758	--

DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
MAY											
22...	0800	K3	--	--	--	--	--	--	--	--	--
22...	0801	--	--	--	--	--	--	<.010	<.010	1.80	<.100
22...	0805	--	5	.70	.8	114	.30	<.010	<.010	--	--
22...	0830	--	5	.70	.8	114	.50	<.010	<.010	--	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN									
05...	0830	80513	80513	.00	202	240	8.6	24.5	9.6
05...	0831	80513	80010	3.00	202	240	8.6	24.5	9.6
05...	0832	80513	80513	10.0	202	240	8.6	24.5	9.5
05...	0834	80513	80513	17.0	202	240	8.5	23.5	7.9
05...	0836	80513	80513	18.0	202	240	8.6	21.0	8.7
05...	0838	80513	80513	20.0	202	240	8.5	20.5	8.7
05...	0840	80513	80513	23.0	202	240	8.4	19.5	8.1
05...	0842	80513	80513	25.0	202	240	8.3	18.5	7.7
05...	0844	80513	80513	30.0	202	240	8.2	18.0	7.2
05...	0846	80513	80513	35.0	202	240	8.0	17.0	6.7
05...	0848	80513	80513	37.0	202	240	7.9	16.0	6.6
05...	0850	80513	80513	40.0	202	240	7.8	15.0	6.5
05...	0852	80513	80513	42.0	202	240	7.8	14.0	6.5
05...	0854	80513	80513	45.0	202	240	7.7	13.0	6.5
05...	0856	80513	80513	50.0	202	240	7.7	12.0	6.5
05...	0900	80513	80513	60.0	202	240	7.6	11.0	6.5
05...	0902	80513	80513	70.0	202	240	7.6	10.5	6.7
05...	0904	80513	80513	80.0	202	240	7.6	10.5	6.9
05...	0906	80513	80513	90.0	202	240	7.6	10.0	7.0
05...	0908	80513	80513	100	202	240	7.6	9.5	7.1
05...	0910	80513	80513	110	202	240	7.6	9.5	7.2
05...	0912	80513	80513	120	202	240	7.6	9.0	7.3
05...	0914	80513	80513	130	202	240	7.6	8.5	7.4
05...	0916	80513	80513	140	202	240	7.6	8.0	7.5
05...	0918	80513	80513	150	202	240	7.6	7.0	7.6
05...	0920	80513	80513	160	202	240	7.6	6.5	7.6
05...	0922	80513	80513	170	202	240	7.6	6.0	7.5
05...	0924	80513	80513	180	202	240	7.6	6.0	7.4
05...	0926	80513	80513	190	202	240	7.6	5.5	6.9
05...	0928	80513	80513	200	202	240	7.5	5.5	6.4
05...	0930	80513	80513	202	202	250	7.5	5.5	5.9

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
JUN								
05...	0830	761	5.2	--	--	--	--	--
05...	0831	761	--	.30	<.010	.010	2.20	<.100

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL									
10...	0700	80513	80513	.00	203	242	8.7	28.0	8.7
10...	0701	80513	80010	3.00	203	242	8.7	28.0	8.5
10...	0702	80513	80513	10.0	203	242	8.7	28.0	8.4
10...	0704	80513	80513	19.0	203	244	8.6	26.5	8.5
10...	0706	80513	80513	20.0	203	246	8.6	26.0	8.2
10...	0708	80513	80513	22.0	203	246	8.4	25.0	7.7
10...	0710	80513	80513	23.0	203	246	8.3	24.0	7.4
10...	0712	80513	80513	25.0	203	246	8.2	23.0	7.3
10...	0714	80513	80513	26.0	203	246	8.1	22.0	7.0
10...	0716	80513	80513	28.0	203	246	8.0	20.5	6.8
10...	0718	80513	80513	30.0	203	246	7.8	19.5	6.3
10...	0720	80513	80513	32.0	203	246	7.8	19.0	6.0
10...	0722	80513	80513	34.0	203	246	7.6	17.5	5.6
10...	0724	80513	80513	38.0	203	246	7.6	17.5	5.0
10...	0726	80513	80513	40.0	203	246	7.5	16.0	4.7
10...	0728	80513	80513	45.0	203	247	7.5	15.0	4.8
10...	0730	80513	80513	50.0	203	247	7.4	14.0	4.9
10...	0732	80513	80513	57.0	203	247	7.5	13.5	5.5
10...	0734	80513	80513	60.0	203	247	7.4	13.0	5.7
10...	0736	80513	80513	70.0	203	247	7.5	12.0	6.1
10...	0738	80513	80513	80.0	203	248	7.4	11.5	6.4
10...	0740	80513	80513	90.0	203	248	7.5	11.0	6.6
10...	0742	80513	80513	100	203	248	7.5	11.0	6.5
10...	0744	80513	80513	110	203	248	7.5	10.5	6.7
10...	0746	80513	80513	120	203	246	7.5	10.5	6.9
10...	0748	80513	80513	130	203	246	7.5	10.0	7.2
10...	0750	80513	80513	140	203	246	7.5	9.5	7.5
10...	0752	80513	80513	150	203	246	7.5	9.0	7.5
10...	0754	80513	80513	160	203	246	7.5	8.0	7.2
10...	0756	80513	80513	170	203	246	7.5	7.5	6.7
10...	0758	80513	80513	180	203	250	7.4	7.0	6.1
10...	0800	80513	80513	190	203	250	7.4	6.5	5.5
10...	0802	80513	80513	200	203	250	7.3	6.5	5.1
10...	0805	80513	80513	203	203	258	7.3	6.5	5.0

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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								
10...	0700	746	4.6	--	--	--	--	--
10...	0701	746	--	<.10	<.010	.010	1.10	<.100

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)
AUG								
13...	0830	80513	80513	.00	184	252	8.6	28.0
13...	0831	80513	80010	3.00	184	252	8.6	28.0
13...	0833	80513	80513	10.0	184	252	8.6	28.0
13...	0835	80513	80513	20.0	184	255	8.5	27.5
13...	0836	80513	80513	22.0	184	256	8.4	26.5
13...	0838	80513	80513	24.0	184	258	8.4	26.0
13...	0840	80513	80010	25.0	184	259	8.4	25.0
13...	0842	80513	80513	27.0	184	258	8.4	24.5
13...	0844	80513	80513	30.0	184	260	8.1	23.0
13...	0846	80513	80513	32.0	184	260	7.9	21.5
13...	0848	80513	80513	35.0	184	259	7.8	21.0
13...	0850	80513	80513	40.0	184	261	7.6	20.0
13...	0852	80513	80513	45.0	184	261	7.6	18.5
13...	0854	80513	80513	50.0	184	260	7.5	17.5
13...	0856	80513	80513	55.0	184	259	7.5	17.0
13...	0858	80513	80513	60.0	184	257	7.5	16.0
13...	0900	80513	80513	65.0	184	254	7.4	15.0
13...	0902	80513	80513	70.0	184	251	7.4	14.5
13...	0904	80513	80513	80.0	184	243	7.4	14.0
13...	0907	80513	80513	90.0	184	243	7.4	13.0
13...	0910	80513	80010	100	184	242	7.4	12.5
13...	0912	80513	80513	110	184	242	7.4	11.5
13...	0914	80513	80513	120	184	238	7.4	11.0
13...	0916	80513	80513	130	184	241	7.4	11.0
13...	0918	80513	80513	140	184	242	7.4	10.0
13...	0920	80513	80513	150	184	238	7.4	10.0
13...	0922	80513	80513	160	184	239	7.4	9.5
13...	0924	80513	80513	170	184	242	7.3	8.5
13...	0927	80513	80513	180	184	246	7.3	8.0
13...	0930	80513	80513	184	184	250	7.2	8.0

DATE	TIME	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
AUG								
13...	0830	8.7	750	4.8	0	--	--	--
13...	0840	9.0	750	--	--	10	.80	1.2
13...	0910	5.0	750	--	--	10	.70	1.0

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG								
13...	0831	--	--	--	<.010	<.010	1.10	<.100
13...	0840	130	117	<.10	<.010	<.010	--	--
13...	0910	130	106	.80	<.010	<.010	--	--

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP									
05...	0930	80513	80513	.00	178	284	8.4	26.0	7.9
05...	0931	80513	80010	3.00	178	284	8.5	26.0	7.7
05...	0932	80513	80513	10.0	178	284	8.5	26.0	7.6
05...	0934	80513	80513	20.0	178	293	8.1	26.0	5.5
05...	0936	80513	80513	30.0	178	297	7.7	24.5	3.0
05...	0938	80513	80513	32.0	178	296	7.6	23.5	2.4
05...	0940	80513	80513	37.0	178	296	7.5	22.5	2.5
05...	0942	80513	80513	40.0	178	296	7.5	22.0	2.6
05...	0944	80513	80513	45.0	178	295	7.5	20.5	2.0
05...	0946	80513	80513	50.0	178	297	7.4	19.5	1.0
05...	0948	80513	80513	55.0	178	298	7.4	18.5	.5
05...	0950	80513	80513	60.0	178	297	7.4	18.0	.2
05...	0952	80513	80513	70.0	178	294	7.4	16.5	.2
05...	0954	80513	80513	80.0	178	285	7.4	15.5	1.2
05...	0956	80513	80513	90.0	178	276	7.4	14.5	2.7
05...	0958	80513	80513	100	178	273	7.4	13.5	3.3
05...	1000	80513	80513	110	178	274	7.3	13.0	3.5
05...	1002	80513	80513	120	178	276	7.3	12.0	3.9
05...	1004	80513	80513	130	178	269	7.4	11.5	4.3
05...	1006	80513	80513	140	178	269	7.3	10.5	4.0
05...	1008	80513	80513	150	178	267	7.3	10.5	3.2
05...	1010	80513	80513	160	178	269	7.3	10.0	2.3
05...	1012	80513	80513	170	178	277	7.2	9.5	1.1
05...	1015	80513	80513	178	178	277	7.2	9.0	.3

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP									
05...	0930	747	3.5	--	--	--	--	--	--
05...	0931	747	--	<.10	.010	<.010	.03	4.10	<.100

07054501 WHITE RIVER AT BULL SHOALS DAM, NEAR FLIPPIN, ARK.

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.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (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, 1984										
17...	1100	80513	80513	12600	280	7.6	11.5	3.6	33	764
NOV										
07...	1300	80513	80513	268	280	7.7	11.0	5.6	51	761
DEC										
18...	0745	80513	80010	16400	260	7.7	10.0	6.8	60	768
JAN, 1985										
10...	0830	80513	80513	19200	260	7.9	9.0	8.8	76	764
FEB										
05...	1100	80513	80513	21600	310	8.3	5.0	10.6	83	761
MAR										
06...	1445	80513	80513	10500	220	8.3	5.5	12.0	94	770
APR										
03...	0900	80513	80513	12700	250	8.2	5.5	10.8	87	750
MAY										
22...	0730	80513	80010	1930	245	7.6	8.0	9.4	80	758
JUN										
05...	0800	80513	80513	440	250	7.9	7.5	10.9	91	761
JUL										
10...	0630	80513	80513	865	245	7.5	9.5	7.4	66	752
AUG										
13...	0745	80513	80010	13100	244	7.4	11.0	5.7	52	755
SEP										
05...	0900	80513	80513	305	293	7.8	12.5	8.7	83	752

DATE	TIME	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)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	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)
DEC, 1984										
18...	0745	<1	25	1.0	0	125	.20	--	<.010	<.010
MAY, 1985										
22...	0730	5	.70	.8	5	114	.50	.070	<.010	<.010
AUG										
13...	0745	5	.70	.6	28	106	.60	--	<.010	<.010

07055565 CROOKED CREEK AT HARRISON, ARK.

LOCATION.--Lat 36°14'04", long 93°05'26", in SW 1/4 SE 1/4 sec.3, T.18 N., R.20 W., Boone County, Hydrologic Unit 11110003, at bridge on U.S. Highway 65 bypass in Harrison.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)
OCT, 1984											
16...	1120	9827	9827	287	7.4	18.0	7.8	21.0	1700	1.7	35
NOV											
13...	1110	9827	9827	326	7.7	13.0	10.8	17.0	84	.5	4.0
DEC											
11...	1135	9827	9827	273	7.7	12.0	11.6	18.0	260	1.0	4.0
JAN, 1985											
29...	1145	9827	9827	311	7.5	4.0	12.2	4.0	84	.6	--
FEB											
19...	1130	9827	9827	--	7.7	10.0	12.7	8.0	K24	1.6	3.8
MAR											
19...	1035	9827	9827	254	7.7	13.0	11.7	16.0	--	1.4	3.0
APR											
16...	1040	9827	9827	265	7.8	16.0	11.5	25.0	K32	1.1	7.0
MAY											
14...	1030	9827	9827	326	7.8	18.0	10.0	24.0	100	1.2	5.0
JUN											
11...	1155	9827	9827	212	7.7	20.0	8.3	26.0	--	1.3	15
JUL											
16...	1135	9827	9827	366	7.7	22.0	8.8	29.0	350	1.3	3.0
AUG											
13...	1050	9827	9827	351	7.6	22.0	8.7	31.0	K840	1.1	5.0
SEP											
24...	1215	9827	9827	366	7.5	17.0	9.8	16.0	--	1.5	3.0

DATE	TIME	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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)
OCT, 1984											
16...	1120	15	140	7.0	5.0	191	28	1.3	.030	--	<.10
NOV											
13...	1110	2	170	--	5.5	196	3	1.4	.020	--	<.10
DEC											
11...	1135	10	140	<1.0	5.0	165	4	1.2	<.010	--	.10
JAN, 1985											
29...	1145	<1	--	4.0	9.5	176	7	1.4	.020	--	--
FEB											
19...	1130	--	150	8.0	5.5	174	6	--	.030	--	<.10
MAR											
19...	1035	<1	140	7.0	5.0	170	4	1.2	.070	.33	.40
APR											
16...	1040	3	140	5.0	4.5	175	16	1.4	.020	.18	.20
MAY											
14...	1030	2	160	6.0	5.5	181	8	1.3	.010	--	<.10
JUN											
11...	1155	11	150	5.0	6.0	--	22	1.5	.040	--	<.10
JUL											
16...	1135	4	170	2.0	--	215	14	1.5	--	--	<.10
AUG											
13...	1050	3	180	--	6.5	240	8	1.7	.020	.28	.30
SEP											
24...	1215	4	180	--	7.5	201	7	1.8	.030	.07	.10

07055565 CROOKED CREEK AT HARRISON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITRO-GEN, TOTAL (MG/L AS N) (00600)	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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1984										
16...	1120	--	--	.070	--	<1	2	<10	2	20
NOV										
13...	1110	--	.020	.010	--	<1	4	<10	<1	20
DEC										
11...	1135	1.3	.020	.020	--	<1	2	<10	<1	10
JAN, 1985										
29...	1145	--	.030	.010	--	<1	1	<10	7	10
FEB										
19...	1130	--	.020	.010	--	<1	1	<10	1	<10
MAR										
19...	1035	1.6	.060	.020	--	<1	<1	<15	<1	10
APR										
16...	1040	1.6	.020	.020	--	<1	<1	<1	1	<10
MAY										
14...	1030	--	.040	.020	--	<1	--	<15	<1	10
JUN										
11...	1155	--	.100	--	--	<1	<1	<15	1	10
JUL										
16...	1135	--	.050	.020	--	<1	<1	<15	1	30
AUG										
13...	1050	2.0	.060	.040	<1	<1	<15	<1	--	<10
SEP										
24...	1215	1.9	.070	.030	--	<1	1	<15	3	--

07055569 CROOKED CREEK NEAR HARRISON, ARK.

LOCATION.--Lat 36°14'38", long 93°04'38", in SE 1/4 NW 1/4 sec.2, T.18 N., R.20 W., Boone County, Hydrologic Unit 11110003, at bridge on U.S. Highway 65 near Harrison.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984										
16...	1135	9827	9827	316	7.5	18.0	7.6	21.0	<10	1.2
NOV										
13...	1120	9827	9827	337	7.8	12.0	10.5	15.0	<4	.3
DEC										
11...	1150	9827	9827	272	7.8	12.0	11.2	16.0	<4	1.2
JAN, 1985										
29...	1200	9827	9827	336	7.6	6.0	11.6	3.0	<4	1.1
FEB										
19...	1145	9827	9827	--	7.7	10.0	11.6	8.0	<4	1.2
MAR										
19...	1100	9827	9827	297	7.7	13.0	11.1	15.0	--	1.6
APR										
16...	1055	9827	9827	297	7.8	16.0	10.8	25.0	<4	1.4
MAY										
14...	1050	9827	9827	355	7.8	18.0	8.3	24.0	<4	1.4
JUN										
11...	1210	9827	9827	310	7.8	20.0	7.7	27.0	>240	1.7
JUL										
16...	1155	9827	9827	376	7.8	22.0	7.5	29.0	<4	2.4
AUG										
13...	1110	9827	9827	369	7.9	24.0	8.0	34.0	K60	2.1
SEP										
24...	1230	9827	9827	387	7.8	17.0	8.7	16.0	<4	1.5

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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, 1984										
16...	1135	35	15	140	10	8.5	205	28	1.8	.080
NOV										
13...	1120	4.0	4	170	--	7.5	211	2	2.1	.060
DEC										
11...	1150	4.0	12	140	<1.0	6.0	175	3	1.5	.080
JAN, 1985										
29...	1200	--	1	--	6.0	13	186	2	1.8	--
FEB										
19...	1145	3.0	--	150	9.0	8.0	187	4	--	.320
MAR										
19...	1100	3.0	2	140	9.0	6.0	179	4	1.6	.190
APR										
16...	1055	3.0	3	150	6.0	6.0	181	4	1.6	.170
MAY										
14...	1050	3.0	7	170	8.0	9.5	196	3	1.8	.240
JUN										
11...	1210	20	13	140	6.0	7.5	--	22	1.9	.140
JUL										
16...	1155	9.0	14	170	7.0	--	235	15	2.2	--
AUG										
13...	1110	7.0	6	170	--	12	242	13	2.0	.050
SEP										
24...	1230	4.0	11	170	--	13	230	4	2.4	.050

07055569 CROOKED CREEK NEAR HARRISON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1984										
16...	1135	--	<.10	--	--	.380	<1	2	<10	3
NOV										
13...	1120	--	<.10	--	.270	.250	<1	<1	<10	<1
DEC										
11...	1150	.12	.20	1.7	.110	.120	<1	4	<10	1
JAN, 1985										
29...	1200	--	.10	1.9	.330	.210	<1	2	<10	1
FEB										
19...	1145	.08	.40	--	.160	.180	<1	3	<10	1
MAR										
19...	1100	.11	.30	1.9	.160	.150	<1	<1	<15	<1
APR										
16...	1055	.33	.50	2.1	.190	.200	<1	1	<15	2
MAY										
14...	1050	.06	.30	2.1	.330	.050	<1	--	<15	<1
JUN										
11...	1210	--	<.10	--	.320	--	<1	<1	<15	1
JUL										
16...	1155	--	.20	2.4	.550	.510	<1	<1	<15	2
AUG										
13...	1110	.35	.40	2.4	.450	.360	<1	1	<15	<1
SEP										
24...	1230	.15	.20	2.6	.610	.580	<1	1	<15	4

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984										
16...	1135	50	--	--	--	--	--	--	--	--
NOV										
13...	1120	20	--	--	--	--	--	--	--	--
DEC										
11...	1150	10	--	--	--	--	--	--	--	--
JAN, 1985										
29...	1200	20	--	--	--	--	--	--	--	--
FEB										
19...	1145	<10	--	--	--	--	--	--	--	--
MAR										
19...	1100	10	--	--	--	--	--	--	--	--
APR										
16...	1055	10	--	--	--	--	--	--	--	--
MAY										
14...	1050	20	--	--	--	--	--	--	--	--
JUN										
11...	1210	<10	--	--	--	--	--	--	--	--
JUL										
16...	1155	20	--	--	--	--	--	--	--	--
AUG										
13...	1110	<10	--	--	--	--	--	--	--	--
SEP										
24...	1230	--	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07055608 CROOKED CREEK AT YELLVILLE, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
09...	1340	9827	9827	48	8.1	20.0	10.6	26.0	K10
NOV									
06...	1230	9827	9827	220	8.2	12.0	10.3	16.0	K36
DEC									
04...	1230	9827	9827	280	8.1	7.0	11.8	1.0	K20
JAN, 1985									
15...	1330	9827	9827	245	8.0	5.0	12.7	3.0	K8
FEB									
12...	1400	9827	9827	210	8.2	4.0	15.2	4.0	<4
MAR									
19...	1300	9827	9827	730	8.3	13.0	12.5	18.0	--
APR									
09...	1330	9827	9827	600	8.3	13.0	11.1	16.0	K4
MAY									
07...	1415	9827	9827	405	8.4	20.0	11.1	25.0	K16
JUN									
04...	1330	9827	9827	270	8.2	27.0	9.9	34.0	K32
JUL									
09...	1315	9827	9827	155	8.3	30.0	9.7	31.0	K40
AUG									
06...	1230	9827	9827	25	8.3	28.0	10.6	29.0	K8
SEP									
10...	1230	9827	9827	14	8.3	28.0	10.5	32.0	K76

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
09...	1340	1.1	2.0	--	7.0	7.0	176	3	.13
NOV									
06...	1230	.5	4.4	180	--	4.5	222	8	1.1
DEC									
04...	1230	.8	4.0	190	7.0	7.0	204	4	1.1
JAN, 1985									
15...	1330	.9	2.0	180	7.0	5.0	207	6	>1.0
FEB									
12...	1400	1.3	--	180	9.0	5.0	192	4	.81
MAR									
19...	1300	1.4	2.0	160	6.0	5.0	187	2	.51
APR									
09...	1330	.6	2.4	170	8.0	4.0	190	3	.81
MAY									
07...	1415	1.5	2.0	170	7.0	4.5	183	4	.23
JUN									
04...	1330	3.6	2.0	170	--	4.0	195	6	.40
JUL									
09...	1315	1.5	3.0	150	6.0	6.5	176	9	.16
AUG									
06...	1230	2.1	2.0	140	8.0	7.0	172	3	.06
SEP									
10...	1230	3.1	2.0	140	7.0	8.5	156	4	.05

07055608 CROOKED CREEK AT YELLVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT , 1984									
09...	1340	--	.020	--	1	<1	16	8	20
NOV									
06...	1230	--	--	.030	1	<1	24	10	20
DEC									
04...	1230	--	.030	.010	1	<1	<10	10	30
JAN , 1985									
15...	1330	<.010	.030	.010	<1	<1	15	--	--
FEB									
12...	1400	<.010	.010	.010	<1	<1	30	38	30
MAR									
19...	1300	--	--	.010	1	<1	25	18	30
APR									
09...	1330	<.010	.040	.030	<1	<1	<15	15	--
MAY									
07...	1415	.010	.040	.020	<1	<1	<15	1	20
JUN									
04...	1330	.020	--	.010	<1	<1	16	1	10
JUL									
09...	1315	.010	.010	<.010	<1	1	--	2	--
AUG									
06...	1230	<.010	.020	.010	<1	<1	<15	<1	10
SEP									
10...	1230	<.010	.030	.020	<1	<1	<15	1	<10

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)
AUG, 1985									
06...	1230	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07056000 BUFFALO RIVER NEAR ST. JOE, ARK.

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 above National Geodetic Vertical Datum of 1929. Prior to Mar. 1, 1940, nonrecording gage at present site and datum.

REMARKS.--Estimated daily discharges: June 2-16. Water-discharge records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--46 years, 1,042 ft^3/s, 17.07 in/yr, 754,900 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 U.S. Army Corps of Engineers.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 21	0230	20,100	19.09	Dec. 21	2245	41,700	26.69
Oct. 25	2345	22,700	20.16	Feb. 23	2015	*80,700	*38.47
Nov. 18	2100	23,600	20.52	Mar. 30	2030	54,500	31.30

Minimum discharge, 25 ft3/s July 20, 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	150	1440	2390	8770	537	2570	9380	3480	484	74	60	69
2	129	7070	1980	5160	528	2230	5820	2840	460	71	68	64
3	112	4010	1670	3510	506	1890	4300	2180	440	69	61	61
4	100	2650	1420	2820	495	2200	3440	1700	430	65	59	61
5	96	1890	1330	2350	493	4100	2950	1360	410	61	68	59
6	125	1340	1280	1960	492	2940	2610	1160	390	57	87	56
7	370	1080	1190	1690	483	2480	2220	1020	370	54	287	52
8	382	930	1220	1450	466	2170	1900	969	350	52	205	55
9	302	824	1540	1270	457	1880	1670	882	330	49	165	52
10	257	749	1720	1300	507	1630	1510	779	310	48	139	50
11	222	664	1580	1280	847	1480	1410	700	290	46	125	55
12	212	583	1460	1130	1020	1320	1310	651	270	44	115	49
13	203	516	1490	1030	948	1210	1230	610	250	42	105	47
14	335	462	4180	985	921	1410	1280	572	230	37	99	46
15	5920	479	6130	932	905	1460	1300	535	220	34	94	45
16	3240	689	4560	880	879	1270	1220	497	200	34	90	44
17	1730	720	3520	850	847	1190	1140	458	176	30	86	46
18	1070	11300	3210	809	830	1110	1090	443	167	28	148	44
19	949	13700	4230	762	875	1050	1040	435	154	27	192	44
20	4270	5570	4610	704	923	1020	990	430	142	26	179	43
21	14100	3470	22500	635	927	1930	950	426	129	31	156	41
22	4400	2590	22400	600	3310	5110	975	423	138	42	138	41
23	2600	2060	7480	576	48000	3820	5570	955	130	34	126	39
24	1890	1690	4850	568	33700	2950	6300	735	123	32	114	36
25	10500	1430	3400	560	9070	2450	3480	550	118	36	104	47
26	13500	1300	2660	538	5570	2060	2610	452	110	47	93	43
27	4900	6660	2230	526	3900	1910	2420	413	100	72	87	39
28	3020	6200	1910	528	3010	1960	3180	407	91	106	84	42
29	2210	3940	1680	520	---	1780	2440	402	84	85	82	45
30	1570	3000	1680	516	---	28800	3050	456	79	76	79	46
31	1200	---	2510	524	---	31400	---	599	---	69	72	---
TOTAL	80064	89006	124010	45733	121446	120780	78785	27519	7175	1578	3567	1461
MEAN	2583	2967	4000	1475	4337	3896	2626	888	239	50.9	115	48.7
MAX	14100	13700	22500	8770	48000	31400	9380	3480	484	106	287	69
MIN	96	462	1190	516	457	1020	950	402	79	26	59	36
CFSM	3.12	3.58	4.83	1.78	5.23	4.70	3.17	1.07	.29	.06	.14	.06
IN.	3.59	3.99	5.56	2.05	5.45	5.42	3.54	1.23	.32	.07	.16	.07
AC-FT	158800	176500	246000	90710	240900	239600	156300	54580	14230	3130	7080	2900

CAL YR 1984	TOTAL	575223	MEAN	1572	MAX	23100	MIN	28	CFSM	1.90	IN.	25.81	AC-FT	1141000
WTR YR 1985	TOTAL	701124	MEAN	1921	MAX	48000	MIN	26	CFSM	2.32	IN.	31.46	AC-FT	1391000

07056000 BUFFALO RIVER NEAR ST. JOE, ARK.--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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984										
09...	1445	9827	9827	291	206	8.1	21.0	10.1	26.0	K72
NOV										
06...	1330	9827	9827	1300	163	7.9	14.0	10.3	21.0	K72
DEC										
04...	1330	9827	9827	1400	194	7.7	8.0	11.3	1.0	K8
JAN, 1985										
15...	1430	9827	9827	930	--	7.7	7.0	13.2	4.0	K4
FEB										
12...	1445	9827	9827	1020	--	8.0	5.0	13.8	7.0	<4
MAR										
19...	1435	9827	9827	1040	246	7.7	13.0	13.2	18.0	--
APR										
09...	1445	9827	9827	1650	195	7.8	15.0	10.5	18.0	<4
MAY										
07...	1530	9827	9827	995	182	8.2	19.0	9.9	25.0	K8
JUN										
04...	1430	9827	9827	430	--	8.2	28.0	10.3	37.0	<4
JUL										
09...	1440	9827	9827	50	249	8.2	30.0	8.7	35.0	K4
AUG										
06...	1130	9827	9827	65	244	8.2	26.0	8.7	28.0	K4
SEP										
10...	1400	9827	9827	47	235	8.0	29.0	9.3	35.0	<4

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984										
09...	1445	1.2	5.0	5	--	7.0	3.0	127	4	.12
NOV										
06...	1330	1.1	4.5	2	80	--	3.0	114	2	.24
DEC										
04...	1330	2.9	3.0	2	100	7.0	4.5	112	2	.25
JAN, 1985										
15...	1430	1.3	2.0	--	110	8.0	3.5	126	2	.24
FEB										
12...	1445	1.6	--	--	100	11	--	117	2	.12
MAR										
19...	1435	2.3	1.0	2	120	8.0	2.5	141	2	.13
APR										
09...	1445	1.4	2.5	1	100	9.0	1.5	122	<1	.20
MAY										
07...	1530	1.3	2.0	2	94	7.0	2.5	106	2	.07
JUN										
04...	1430	3.1	1.0	--	110	--	2.0	130	<1	.05
JUL										
09...	1440	.5	2.0	4	120	7.0	2.5	151	3	.10
AUG										
06...	1130	2.6	2.0	1	120	8.0	3.5	140	2	.03
SEP										
10...	1400	3.4	2.0	2	120	7.0	3.5	132	4	.06

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1984										
09...	1445	--	<.10	--	.020	--	<1	3	<10	<1
NOV										
06...	1330	--	<.10	--	--	.010	<1	<1	<10	<1
DEC										
04...	1330	--	<.10	--	.020	<.010	<1	<1	10	<1
JAN, 1985										
15...	1430	<.010	<.10	--	.020	<.010	<1	<1	10	--
FEB										
12...	1445	<.010	<.10	--	.010	.010	<1	4	<10	1
MAR										
19...	1435	--	10	.23	--	.010	<1	<1	<15	1
APR										
09...	1445	<.010	.10	.30	.030	.020	<1	<1	<15	1
MAY										
07...	1530	<.010	<.10	--	.030	.020	<1	<1	<17	1
JUN										
04...	1430	.020	--	--	--	<.010	<1	<1	21	1
JUL										
09...	1440	<.010	<.10	--	<.010	<.010	<1	1	--	1
AUG										
06...	1130	<.010	<.10	--	.010	.020	<1	<1	<15	<1
SEP										
10...	1400	<.010	<.30	--	.030	.020	<1	<1	<15	<1

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984										
09...	1445	10	--	--	--	--	--	--	--	--
NOV										
06...	1330	<10	--	--	--	--	--	--	--	--
DEC										
04...	1330	20	--	--	--	--	--	--	--	--
FEB, 1985										
12...	1445	10	--	--	--	--	--	--	--	--
MAR										
19...	1435	20	--	--	--	--	--	--	--	--
MAY										
07...	1530	10	--	--	--	--	--	--	--	--
JUN										
04...	1430	10	--	--	--	--	--	--	--	--
AUG										
06...	1130	10	--	--	--	--	--	--	--	--
SEP										
10...	1400	<10	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07056520 BEAR CREEK WEST OF MARSHALL, ARK.

LOCATION.--Lat 35°55'20", long 92°42'20", in NW 1/4 NW 1/4 sec.29, T.15 N., R.16 W., Searcy County, Hydrologic Unit 11010005 at downstream side of bridge on State Highway 74, and 4.4 mi west of Marshall.

PERIOD OF RECORD.--December 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
NOV, 1984									
06...	1400	9827	9827	7.8	14.0	10.7	21.0	K24	.2
DEC									
04...	1400	9827	9827	7.8	8.0	12.1	1.0	K8	.8
JAN, 1985									
15...	1450	9827	9827	7.7	7.0	13.5	4.0	K12	.7
FEB									
12...	1515	9827	9827	8.1	4.0	14.8	6.0	<4	1.2
MAR									
19...	1505	9827	9827	7.8	13.0	11.0	18.0	--	1.2
APR									
09...	1500	9827	9827	7.8	14.0	10.8	18.0	K8	.6
MAY									
07...	1545	9827	9827	7.8	18.0	9.6	25.0	K32	1.3
JUN									
04...	1450	9827	9827	7.3	19.0	6.5	37.0	K4	.2
SEP									
24...	1215	9827	9827	--	17.0	--	16.0	480	--

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1984									
06...	1400	3.8	--	76	--	3.5	108	4	.58
DEC									
04...	1400	4.0	--	100	10	6.0	101	8	.48
JAN, 1985									
15...	1450	3.0	--	88	13	4.5	108	5	.41
FEB									
12...	1515	--	--	82	12	4.0	102	3	.33
MAR									
19...	1505	2.0	--	96	13	4.0	131	4	.32
APR									
09...	1500	3.2	--	98	11	2.5	106	<1	.33
MAY									
07...	1545	3.0	94	4	9.0	--	111	3	.34
JUN									
04...	1450	1.0	--	130	--	4.5	166	1	.64

07056520 BEAR CREEK WEST OF MARSHALL, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1984									
06...	1400	--	--	.040	1	2	15	6	20
DEC									
04...	1400	--	.050	.020	<1	<1	14	10	40
JAN, 1985									
15...	1450	.010	.040	.020	1	<1	24	--	--
FEB									
12...	1515	<.010	.040	.030	<1	1	19	21	20
MAR									
19...	1505	--	--	.040	<1	<1	35	12	40
APR									
09...	1500	<.010	.040	.050	<1	<1	<15	85	--
MAY									
07...	1545	.020	.050	.040	<1	<1	<15	1	10
JUN									
04...	1450	.010	--	.050	<1	<1	28	1	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)
SEP, 1985									
24...	1215	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07057310 HICKS CREEK NEAR MOUNTAIN HOME, ARK.

LOCATION.--Lat 36°17'32", long 92°22,34", in NE 1/4 NE 1/4 sec.28, T.19 N., R.13 W., Baxter County, Hydrologic Unit 11010004, at downstream side of low-water bridge on the Heritage Estate Subdivision Road, 3 mi south of Baxter County fairgrounds, and 0.9 mi from Highway 201 cutoff.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984									
09...	1220	9827	9827	7.7	18.0	4.7	25.0	K4	--
NOV									
06...	1115	9827	9827	8.1	11.0	9.8	13.0	<4	2.8
DEC									
04...	1050	9827	9827	8.1	7.0	11.7	1.0	<4	2.6
JAN, 1985									
15...	1215	9827	9827	7.9	7.0	12.6	2.0	<4	1.3
FEB									
12...	1200	9827	9827	8.0	4.0	12.9	2.0	<4	4.3
MAR									
19...	1145	9827	9827	8.2	12.0	13.2	18.0	--	4.5
APR									
09...	1230	9827	9827	8.2	13.0	12.0	15.0	K8	2.4
MAY									
07...	1130	9827	9827	8.2	19.0	9.1	25.0	84	2.5
JUN									
04...	1200	9827	9827	7.8	24.0	6.2	31.0	100	--
JUL									
09...	1135	9827	9827	7.9	25.0	5.6	28.0	K54	3.3
AUG									
06...	1400	9827	9827	8.1	26.0	6.0	25.0	96	3.8
SEP									
10...	1145	9827	9827	8.0	24.0	5.2	29.0	K1300	3.8

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984									
09...	1220	3.0	--	30	49	369	3	2.3	--
NOV									
06...	1115	3.0	260	--	16	318	4	1.7	--
DEC									
04...	1050	3.0	250	24	18	295	4	1.6	--
JAN, 1985									
15...	1215	2.0	240	20	14	277	2	1.2	.200
FEB									
12...	1200	--	250	26	29	301	7	1.5	.110
MAR									
19...	1145	1.0	250	22	15	291	4	.94	--
APR									
09...	1230	2.0	230	19	15	271	2	1.6	.010
MAY									
07...	1130	2.0	240	19	16	287	4	1.4	.100
JUN									
04...	1200	2.0	220	--	36	332	4	1.9	2.10
JUL									
09...	1135	1.0	220	25	51	368	3	3.1	.630
AUG									
06...	1400	2.0	180	30	41	312	4	2.1	.350
SEP									
10...	1145	3.0	210	30	40	326	8	4.1	.410

07057310 HICKS CREEK NEAR MOUNTAIN HOME, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)
OCT, 1984									
09...	1220	5.90	--	<1	7	10	13	30	--
NOV									
06...	1115	--	.040	<1	<1	<10	2	20	--
DEC									
04...	1050	.580	.550	<1	4	<10	2	20	--
JAN, 1985									
15...	1215	.440	.450	<1	<1	<10	--	--	--
FEB									
12...	1200	.580	.480	<1	1	13	3	10	--
MAR									
19...	1145	--	.410	<1	<1	<15	4	20	--
APR									
09...	1230	.360	.290	<1	1	<15	3	--	--
MAY									
07...	1130	.900	.830	<1	<1	<15	1	20	--
JUN									
04...	1200	--	5.20	<1	<1	<15	2	20	--
JUL									
09...	1135	4.50	4.30	<1	2	--	3	--	--
AUG									
06...	1400	3.35	3.00	1	3	<15	2	30	<.001
SEP									
10...	1145	2.65	2.30	<1	1	22	6	60	--

DATE	TIME	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)
AUG, 1985								
06...	1400	<.001	<.002	<.001	<.001	<.01	<.01	<1

07057370 WHITE RIVER NEAR NORFORK, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
09...	1200	9827	9827	1920	7.8	15.0	8.2	25.0	K56
NOV									
06...	1045	9827	9827	4320	8.1	12.0	10.3	13.0	K12
DEC									
04...	1030	9827	9827	8010	8.0	9.0	10.1	2.0	K16
JAN, 1985									
15...	1145	9827	9827	25700	7.8	7.0	10.9	1.0	K8
FEB									
12...	1130	9827	9827	25800	8.0	5.0	12.5	1.0	K10
MAR									
19...	1120	9827	9827	27400	7.9	8.0	11.8	18.0	--
APR									
09...	1200	9827	9827	13200	8.0	11.0	11.0	15.0	K28
MAY									
07...	1100	9827	9827	10300	8.1	13.0	9.9	25.0	K20
JUN									
04...	1130	9827	9827	5100	8.1	18.0	10.1	31.0	K16
JUL									
09...	1100	9827	9827	13500	7.9	13.0	9.4	28.0	K20
AUG									
06...	1430	9827	9827	14600	7.9	16.0	9.2	25.0	K64
SEP									
10...	1100	9827	9827	10500	7.8	17.0	7.4	29.0	K24

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
09...	1200	1.1	2.5	--	7.0	5.0	154	2	.37
NOV									
06...	1045	.6	4.6	100	--	3.0	129	4	.35
DEC									
04...	1030	1.2	3.0	130	9.0	6.0	146	5	.34
JAN, 1985									
15...	1145	.9	4.0	130	9.0	5.5	154	13	.29
FEB									
12...	1130	1.5	--	130	10	5.0	148	8	.30
MAR									
19...	1120	1.4	4.0	120	9.0	4.5	150	9	.35
APR									
09...	1200	1.0	3.8	130	9.0	3.5	148	4	.36
MAY									
07...	1100	1.4	4.0	120	9.0	4.5	140	6	.27
JUN									
04...	1130	1.3	3.0	130	--	4.0	145	<1	.30
JUL									
09...	1100	1.0	1.0	120	8.0	5.0	142	<1	.58
AUG									
06...	1430	1.6	1.0	120	9.0	4.5	142	<1	.60
SEP									
10...	1100	.6	2.0	130	9.0	4.5	140	4	.66

07057370 WHITE RIVER NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
09...	1200	--	.010	--	<1	<1	12	6	30
NOV									
06...	1045	--	--	.020	<1	<1	14	4	10
DEC									
04...	1030	--	.020	<.010	<1	<1	<10	9	30
JAN, 1985									
15...	1145	<.010	.030	<.010	<1	<1	11	--	--
FEB									
12...	1130	.010	.020	.010	<1	<1	32	51	40
MAR									
19...	1120	--	--	.020	<1	<1	26	27	40
APR									
09...	1200	<.010	.030	.020	<1	<1	17	12	--
MAY									
07...	1100	<.010	.040	.010	<1	<1	<17	1	20
JUN									
04...	1130	<.010	--	.010	<1	<1	<15	1	10
JUL									
09...	1100	<.010	<.010	<.010	<1	2	--	1	--
AUG									
06...	1430	<.010	.010	.020	1	<1	<15	<1	20
SEP									
10...	1100	.030	.030	.020	<1	<1	<15	<1	<10

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, 1984									
09...	1200	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
JAN, 1985									
15...	1145	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
APR									
09...	1200	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
AUG									
06...	1430	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07059500 NORFORK LAKE NEAR NORFORK, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (UR/ CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT, 1984											
17...	0900	80513	80513	.00	163	320	8.2	18.5	6.6	762	4.3
17...	0902	80513	80513	10.0	163	320	8.2	18.5	6.2	762	--
17...	0904	80513	80513	20.0	163	320	8.2	18.5	6.0	762	--
17...	0906	80513	80513	30.0	163	320	8.2	18.5	5.8	762	--
17...	0908	80513	80513	40.0	163	320	8.2	18.5	5.6	762	--
17...	0910	80513	80513	50.0	163	320	8.2	18.5	5.3	762	--
17...	0912	80513	80513	60.0	163	330	7.7	18.0	1.4	762	--
17...	0914	80513	80513	65.0	163	330	7.5	17.0	.7	762	--
17...	0916	80513	80513	70.0	163	330	7.5	16.0	.3	762	--
17...	0918	80513	80513	73.0	163	330	7.5	15.0	.2	762	--
17...	0920	80513	80513	80.0	163	330	7.5	14.0	.3	762	--
17...	0922	80513	80513	85.0	163	330	7.5	13.0	.2	762	--
17...	0924	80513	80513	90.0	163	330	7.5	12.5	.3	762	--
17...	0926	80513	80513	100	163	330	7.5	11.5	.6	762	--
17...	0928	80513	80513	110	163	340	7.5	11.0	.2	762	--
17...	0930	80513	80513	120	163	340	7.5	10.0	.1	762	--
17...	0932	80513	80513	130	163	340	7.5	9.5	.1	762	--
17...	0934	80513	80513	140	163	360	7.4	9.5	.1	762	--
17...	0936	80513	80513	150	163	360	7.4	9.0	.1	762	--
17...	0938	80513	80513	160	163	360	7.4	9.0	.1	762	--
17...	0940	80513	80513	163	163	360	7.4	9.0	.1	762	--
NOV											
07...	0930	80513	80513	.00	168	300	8.2	15.5	7.8	761	3.2
07...	0932	80513	80513	10.0	168	300	8.2	15.5	5.8	761	--
07...	0934	80513	80513	20.0	168	300	8.2	15.5	5.8	761	--
07...	0936	80513	80513	30.0	168	300	8.2	15.5	5.8	761	--
07...	0938	80513	80513	40.0	168	300	8.2	15.5	5.8	761	--
07...	0940	80513	80513	50.0	168	300	8.2	15.5	5.8	761	--
07...	0942	80513	80513	60.0	168	300	7.8	15.5	5.4	761	--
07...	0944	80513	80513	70.0	168	300	7.6	14.5	1.3	761	--
07...	0946	80513	80513	80.0	168	300	7.6	14.0	.3	761	--
07...	0948	80513	80513	90.0	168	320	7.6	13.5	.2	761	--
07...	0950	80513	80513	93.0	168	320	7.6	12.5	.1	761	--
07...	0952	80513	80513	100	168	320	7.6	11.5	.1	761	--
07...	0954	80513	80513	110	168	320	7.6	11.0	.1	761	--
07...	0956	80513	80513	120	168	320	7.6	10.5	.1	761	--
07...	0958	80513	80513	130	168	320	7.5	10.0	.1	761	--
07...	1000	80513	80513	140	168	340	7.5	9.5	.1	761	--
07...	1002	80513	80513	150	168	340	7.5	9.0	.1	761	--
07...	1004	80513	80513	160	168	340	7.5	9.0	.1	761	--
07...	1006	80513	80513	168	168	340	7.5	9.0	.1	761	--

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
DEC								
07...	0830	80513	80513	.00	174	320	8.1	10.5
07...	0831	80513	80010	3.00	174	320	8.2	11.0
07...	0833	80513	80513	10.0	174	320	8.2	11.0
07...	0836	80513	80513	20.0	174	320	8.2	11.0
07...	0840	80513	80010	25.0	174	320	8.2	11.0
07...	0842	80513	80513	30.0	174	320	8.2	11.0
07...	0844	80513	80513	40.0	174	310	8.2	11.0
07...	0846	80513	80513	50.0	174	310	8.2	11.0
07...	0848	80513	80513	60.0	174	310	8.2	11.0
07...	0850	80513	80513	70.0	174	310	8.2	11.0
07...	0852	80513	80513	80.0	174	310	8.2	11.0
07...	0854	80513	80513	90.0	174	310	8.2	11.0
07...	0855	80513	80010	100	174	310	8.2	11.0
07...	0857	80513	80513	110	174	310	8.1	11.0
07...	0900	80513	80513	120	174	310	8.1	11.0
07...	0902	80513	80513	130	174	330	7.9	10.5
07...	0904	80513	80513	140	174	330	7.9	10.5
07...	0906	80513	80513	150	174	330	7.9	10.5
07...	0908	80513	80513	160	174	360	7.8	10.0
07...	0912	80513	80513	170	174	360	7.8	10.0
07...	0915	80513	80513	174	174	360	7.8	9.5

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC								
07...	0830	8.0	762	3.00	5	--	--	--
07...	0840	7.6	762	--	--	<1	1.5	.8
07...	0855	7.4	762	--	--	<1	.50	.8

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
DEC								
07...	0831	--	--	--	--	--	.900	<.100
07...	0840	170	162	.20	<.010	<.010	--	--
07...	0855	170	161	.20	<.010	<.010	--	--

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JAN, 1985											
09...	1330	80513	80513	.00	192	300	8.1	8.5	10.8	767	2.50
09...	1332	80513	80513	10.0	192	300	8.1	8.5	10.4	767	--
09...	1334	80513	80513	20.0	192	300	8.1	8.5	9.4	767	--
09...	1336	80513	80513	30.0	192	300	8.1	8.5	9.0	767	--
09...	1338	80513	80513	40.0	192	300	8.1	8.5	8.9	767	--
09...	1340	80513	80513	50.0	192	300	8.1	8.5	8.9	767	--
09...	1342	80513	80513	60.0	192	300	8.1	8.5	8.8	767	--
09...	1344	80513	80513	70.0	192	300	8.1	8.5	8.8	767	--
09...	1346	80513	80513	80.0	192	300	8.0	8.5	9.0	767	--
09...	1348	80513	80513	90.0	192	300	8.0	8.5	9.1	767	--
09...	1350	80513	80513	100	192	300	8.0	8.5	9.2	767	--
09...	1352	80513	80513	110	192	300	8.0	8.5	9.3	767	--
09...	1354	80513	80513	120	192	300	8.0	8.5	9.5	767	--
09...	1356	80513	80513	130	192	300	8.0	8.5	9.6	767	--
09...	1358	80513	80513	140	192	300	8.0	8.5	9.7	767	--
09...	1400	80513	80513	150	192	300	8.0	8.5	9.8	767	--
09...	1402	80513	80513	160	192	300	8.0	8.5	9.8	767	--
09...	1404	80513	80513	170	192	300	8.0	8.5	9.9	767	--
09...	1406	80513	80513	180	192	300	8.0	8.5	10.2	767	--
09...	1408	80513	80513	190	192	300	8.0	8.5	10.2	767	--
09...	1410	80513	80513	192	192	300	8.0	8.5	10.2	767	--
FEB											
05...	1330	80513	80513	.00	186	360	8.0	5.0	12.0	760	3.4
05...	1332	80513	80513	10.0	186	360	8.0	5.0	11.8	760	--
05...	1334	80513	80513	20.0	186	360	8.0	5.0	11.8	760	--
05...	1336	80513	80513	30.0	186	360	8.0	5.0	11.8	760	--
05...	1338	80513	80513	40.0	186	360	8.0	5.0	11.8	760	--
05...	1340	80513	80513	50.0	186	360	8.0	5.0	11.8	760	--
05...	1342	80513	80513	60.0	186	360	8.0	5.0	11.8	760	--
05...	1344	80513	80513	70.0	186	360	8.0	5.0	11.8	760	--
05...	1346	80513	80513	80.0	186	360	8.0	5.0	11.8	760	--
05...	1348	80513	80513	90.0	186	360	8.0	5.0	11.8	760	--
05...	1350	80513	80513	100	186	360	8.0	5.0	11.8	760	--
05...	1352	80513	80513	110	186	360	8.0	5.0	11.8	760	--
05...	1354	80513	80513	120	186	360	8.1	5.0	11.6	760	--
05...	1356	80513	80513	130	186	360	8.1	5.0	11.6	760	--
05...	1358	80513	80513	140	186	360	8.1	5.0	11.6	760	--
05...	1400	80513	80513	150	186	360	8.1	5.0	11.6	760	--
05...	1402	80513	80513	160	186	360	8.1	5.0	11.6	760	--
05...	1404	80513	80513	170	186	360	8.1	5.0	11.6	760	--
05...	1406	80513	80513	180	186	360	8.1	5.0	11.6	760	--
05...	1410	80513	80513	186	186	360	8.1	5.0	11.6	760	--
MAR											
06...	1130	80513	80513	.00	184	250	8.0	6.0	11.6	776	2.20
06...	1132	80513	80513	10.0	184	248	8.0	6.0	11.6	776	--
06...	1134	80513	80513	20.0	184	248	8.0	6.0	11.6	776	--
06...	1136	80513	80513	30.0	184	248	8.0	6.0	11.6	776	--
06...	1138	80513	80513	40.0	184	248	8.0	6.0	11.6	776	--
06...	1140	80513	80513	50.0	184	248	8.0	6.0	11.4	776	--
06...	1142	80513	80513	60.0	184	248	8.0	6.0	11.4	776	--
06...	1144	80513	80513	70.0	184	248	8.0	6.0	11.4	776	--
06...	1146	80513	80513	80.0	184	248	8.0	5.0	11.2	776	--
06...	1148	80513	80513	90.0	184	248	8.0	5.0	11.0	776	--
06...	1150	80513	80513	100	184	248	8.0	5.0	11.0	776	--
06...	1152	80513	80513	110	184	248	8.0	5.0	11.0	776	--
06...	1154	80513	80513	120	184	248	8.0	4.5	11.0	776	--
06...	1156	80513	80513	130	184	248	8.0	4.5	11.0	776	--
06...	1158	80513	80513	140	184	248	8.0	4.5	11.0	776	--
06...	1200	80513	80513	150	184	248	8.0	4.5	11.0	776	--
06...	1202	80513	80513	160	184	248	8.0	4.5	10.8	776	--
06...	1204	80513	80513	170	184	248	8.0	4.5	10.8	776	--
06...	1206	80513	80513	180	184	248	8.0	4.5	10.8	776	--
06...	1210	80513	80513	184	184	248	8.0	4.5	10.8	776	--

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
APR											
03...	0730	80513	80513	.00	188	210	8.2	12.0	10.0	755	2.80
03...	0732	80513	80513	10.0	188	210	8.1	11.5	10.0	755	--
03...	0734	80513	80513	20.0	188	210	8.1	11.5	9.8	755	--
03...	0736	80513	80513	30.0	188	210	8.0	11.0	9.8	755	--
03...	0738	80513	80513	40.0	188	210	8.0	11.0	9.6	755	--
03...	0740	80513	80513	50.0	188	210	8.0	11.0	9.6	755	--
03...	0742	80513	80513	60.0	188	210	8.0	10.5	9.6	755	--
03...	0744	80513	80513	70.0	188	210	8.0	10.5	9.6	755	--
03...	0746	80513	80513	80.0	188	210	8.0	10.0	9.4	755	--
03...	0748	80513	80513	90.0	188	210	8.0	9.0	9.4	755	--
03...	0750	80513	80513	100	188	210	8.0	8.5	9.4	755	--
03...	0752	80513	80513	110	188	210	8.0	8.5	9.4	755	--
03...	0754	80513	80513	120	188	210	8.0	8.0	9.6	755	--
03...	0756	80513	80513	130	188	210	8.0	7.0	9.6	755	--
03...	0758	80513	80513	140	188	210	8.0	6.0	9.6	755	--
03...	0800	80513	80513	150	188	210	8.0	6.0	9.6	755	--
03...	0802	80513	80513	160	188	210	8.0	5.5	9.6	755	--
03...	0804	80513	80513	170	188	210	8.0	5.5	9.6	755	--
03...	0806	80513	80513	180	188	215	7.8	5.0	9.2	755	--
03...	0810	80513	80513	188	188	220	7.8	5.0	9.2	755	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
MAY								
23...	1600	80513	80513	.00	191	255	8.5	21.0
23...	1601	80513	80010	3.00	191	255	8.5	21.0
23...	1602	80513	80513	10.0	191	255	8.5	20.5
23...	1603	80513	80513	20.0	191	255	8.5	20.0
23...	1605	80513	80010	25.0	191	250	8.5	20.0
23...	1607	80513	80513	30.0	191	255	8.3	19.5
23...	1610	80513	80513	32.0	191	255	8.1	18.5
23...	1612	80513	80513	35.0	191	255	8.0	17.5
23...	1614	80513	80513	37.0	191	255	7.8	16.5
23...	1616	80513	80513	40.0	191	255	7.7	15.5
23...	1618	80513	80513	42.0	191	255	7.7	14.5
23...	1620	80513	80513	45.0	191	255	7.7	14.0
23...	1622	80513	80513	50.0	191	255	7.7	13.0
23...	1624	80513	80513	60.0	191	255	7.7	12.0
23...	1626	80513	80513	70.0	191	245	7.7	11.0
23...	1628	80513	80513	80.0	191	245	7.7	10.5
23...	1629	80513	80513	90.0	191	255	7.7	9.5
23...	1630	80513	80010	100	191	255	7.7	8.5
23...	1632	80513	80513	110	191	255	7.8	8.0
23...	1634	80513	80513	120	191	265	7.8	7.0
23...	1636	80513	80513	130	191	275	7.7	6.5
23...	1638	80513	80513	140	191	275	7.7	6.5
23...	1640	80513	80513	150	191	275	7.7	6.5
23...	1642	80513	80513	160	191	275	7.7	6.0
23...	1644	80513	80513	170	191	275	7.7	6.0
23...	1646	80513	80513	180	191	275	7.6	6.0
23...	1648	80513	80513	190	191	275	7.6	6.0
23...	1650	80513	80513	191	191	275	7.1	6.0

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
MAY								
23...	1600	8.2	764	3.9	0	--	--	--
23...	1605	7.6	764	--	--	10	.80	1.1
23...	1630	6.9	764	--	--	10	1.1	1.2

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
MAY								
23...	1601	--	--	--	<.010	<.010	1.90	<.100
23...	1605	130	128	.20	<.010	<.010	--	--
23...	1630	140	132	.50	<.010	<.010	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN									
04...	1430	80513	80513	.00	181	260	8.6	24.5	9.4
04...	1431	80513	80010	3.00	181	260	8.6	24.0	9.4
04...	1432	80513	80513	10.0	181	260	8.6	23.0	9.4
04...	1434	80513	80513	11.0	181	260	8.6	22.0	9.7
04...	1436	80513	80513	13.0	181	260	8.5	21.0	9.6
04...	1438	80513	80513	17.0	181	260	8.3	20.0	8.4
04...	1440	80513	80513	20.0	181	260	8.1	19.5	7.3
04...	1442	80513	80513	27.0	181	260	7.9	18.5	6.3
04...	1444	80513	80513	30.0	181	260	7.7	17.5	5.0
04...	1446	80513	80513	35.0	181	270	7.6	16.5	3.9
04...	1448	80513	80513	40.0	181	270	7.5	15.5	3.9
04...	1450	80513	80513	45.0	181	260	7.5	14.5	4.4
04...	1452	80513	80513	50.0	181	260	7.5	13.5	5.1
04...	1454	80513	80513	55.0	181	260	7.6	12.5	5.7
04...	1456	80513	80513	60.0	181	260	7.6	12.0	6.2
04...	1458	80513	80513	70.0	181	260	7.6	11.0	6.6
04...	1500	80513	80513	80.0	181	260	7.6	10.5	6.9
04...	1502	80513	80513	90.0	181	260	7.6	10.0	7.1
04...	1504	80513	80513	100	181	260	7.6	9.0	7.4
04...	1506	80513	80513	110	181	260	7.6	8.0	7.8
04...	1508	80513	80513	120	181	270	7.6	7.5	8.0
04...	1510	80513	80513	130	181	280	7.4	7.0	7.9
04...	1512	80513	80513	140	181	280	7.3	6.5	7.7
04...	1514	80513	80513	150	181	280	7.2	6.5	7.6
04...	1516	80513	80513	160	181	280	7.2	6.0	7.3
04...	1518	80513	80513	170	181	280	7.3	6.0	7.2
04...	1520	80513	80513	180	181	280	7.3	6.0	7.0
04...	1525	80513	80513	181	181	280	7.3	6.0	6.6

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
JUN								
04...	1430	764	5.0	--	--	--	--	--
04...	1431	764	--	.10	<.010	<.010	4.60	<.100

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL									
09...	1545	80513	80513	.00	176	250	8.7	28.5	9.2
09...	1546	80513	80010	3.00	176	250	8.6	28.5	9.1
09...	1548	80513	80513	10.0	176	248	8.7	28.0	9.1
09...	1550	80513	80513	15.0	176	241	8.7	27.0	9.0
09...	1552	80513	80513	20.0	176	241	8.6	26.0	8.2
09...	1554	80513	80513	22.0	176	241	8.4	25.0	7.2
09...	1556	80513	80513	23.0	176	242	7.9	23.5	5.4
09...	1558	80513	80513	27.0	176	244	7.7	22.5	4.5
09...	1600	80513	80513	30.0	176	246	7.5	21.5	3.4
09...	1602	80513	80513	33.0	176	246	7.4	20.5	2.4
09...	1604	80513	80513	37.0	176	255	7.3	19.5	1.2
09...	1606	80513	80513	40.0	176	256	7.2	19.5	1.1
09...	1608	80513	80513	50.0	176	257	7.2	18.0	.8
09...	1610	80513	80513	57.0	176	257	7.2	17.0	1.0
09...	1612	80513	80513	60.0	176	258	7.2	17.0	1.2
09...	1614	80513	80513	65.0	176	258	7.2	15.5	1.6
09...	1616	80513	80513	70.0	176	256	7.2	15.0	2.2
09...	1618	80513	80513	80.0	176	254	7.2	13.5	3.2
09...	1620	80513	80513	90.0	176	250	7.3	12.5	4.3
09...	1622	80513	80513	100	176	250	7.3	12.0	4.8
09...	1624	80513	80513	110	176	250	7.3	11.5	5.0
09...	1626	80513	80513	120	176	250	7.3	11.0	4.8
09...	1628	80513	80513	130	176	250	7.3	10.5	4.7
09...	1630	80513	80513	140	176	250	7.2	10.0	3.7
09...	1632	80513	80513	150	176	254	7.2	9.0	2.8
09...	1634	80513	80513	160	176	258	7.2	8.5	3.1
09...	1636	80513	80513	170	176	260	7.2	8.0	2.5
09...	1640	80513	80513	176	176	260	7.1	7.5	2.4

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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								
09...	1545	755	3.6	--	--	--	--	--
09...	1546	755	--	<.10	<.010	<.010	1.30	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
AUG								
15...	0945	80513	80513	.00	183	262	8.7	28.5
15...	0946	80513	80010	3.00	183	262	8.7	28.5
15...	0948	80513	80513	10.0	183	262	8.7	28.5
15...	0950	80513	80513	20.0	183	261	8.6	28.0
15...	0952	80513	80513	23.0	183	261	8.6	28.0
15...	0955	80513	80010	25.0	183	281	8.0	26.0
15...	0957	80513	80513	30.0	183	279	7.7	25.0
15...	0958	80513	80513	33.0	183	282	7.5	24.0
15...	1000	80513	80513	37.0	183	284	7.5	23.0
15...	1002	80513	80513	40.0	183	284	7.5	22.5
15...	1004	80513	80513	45.0	183	285	7.4	21.0
15...	1006	80513	80513	50.0	183	283	7.4	20.0
15...	1008	80513	80513	55.0	183	278	7.4	19.5
15...	1010	80513	80513	60.0	183	277	7.4	18.5
15...	1012	80513	80513	70.0	183	276	7.3	17.5
15...	1014	80513	80513	80.0	183	273	7.3	16.0
15...	1016	80513	80513	90.0	183	266	7.3	14.5
15...	1020	80513	80010	100	183	260	7.3	13.5
15...	1022	80513	80513	110	183	255	7.3	12.5
15...	1024	80513	80513	120	183	258	7.3	12.0
15...	1026	80513	80513	130	183	266	7.3	11.5
15...	1028	80513	80513	140	183	266	7.3	11.0
15...	1030	80513	80513	150	183	285	7.3	10.0
15...	1032	80513	80513	160	183	292	7.3	9.0
15...	1034	80513	80513	170	183	288	7.3	9.0
15...	1036	80513	80513	180	183	290	7.3	8.5
15...	1040	80513	80513	183	183	290	7.3	8.5

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
AUG								
15...	0945	8.0	755	4.1	0	--	--	--
15...	0955	4.4	755	--	--	10	.40	.9
15...	1020	1.8	755	--	--	10	.50	1.0

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG								
15...	0946	--	--	--	<.010	<.010	2.10	<.100
15...	0955	150	139	<.10	<.010	<.010	--	--
15...	1020	140	129	.40	<.010	<.010	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
SEP									
05...	0815	80513	80513	.00	169	307	8.4	26.0	7.0
05...	0816	80513	80010	3.00	169	307	8.4	26.0	6.9
05...	0818	80513	80513	10.0	169	308	8.4	26.0	6.8
05...	0820	80513	80513	20.0	169	309	8.4	26.0	6.7
05...	0822	80513	80513	25.0	169	331	7.8	26.0	2.5
05...	0824	80513	80513	30.0	169	337	7.6	24.0	.5
05...	0826	80513	80513	35.0	169	367	7.4	23.0	.2
05...	0828	80513	80513	40.0	169	350	7.5	22.5	.2
05...	0830	80513	80513	50.0	169	335	7.4	21.0	.2
05...	0832	80513	80513	55.0	169	326	7.4	20.0	.2
05...	0834	80513	80513	60.0	169	321	7.4	19.5	.2
05...	0836	80513	80513	70.0	169	320	7.3	18.5	.1
05...	0838	80513	80513	80.0	169	315	7.3	17.5	.2
05...	0840	80513	80513	90.0	169	312	7.3	16.0	.2
05...	0842	80513	80513	96.0	169	305	7.3	15.0	.2
05...	0844	80513	80513	100	169	304	7.3	15.0	.2
05...	0846	80513	80513	110	169	302	7.3	13.5	.2
05...	0848	80513	80513	120	169	310	7.3	13.0	.2
05...	0850	80513	80513	130	169	309	7.3	12.0	.1
05...	0852	80513	80513	140	169	322	7.2	11.5	.1
05...	0854	80513	80513	150	169	332	7.3	11.0	.1
05...	0856	80513	80513	160	169	336	7.3	10.0	.2
05...	0900	80513	80513	169	169	334	7.3	9.5	.2

DATE	TIME	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
SEP									
05...	0815	750	4.1	--	--	--	--	--	--
05...	0816	750	--	<.10	.010	<.010	.03	4.40	<.100

07060000 NORTH FORK RIVER AT NORFORK DAM, NEAR NORFORK, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (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)	COLOR (PLATINUM-COBALT UNITS) (00080)
OCT, 1984											
01...	1600	80513	80010	--	--	--	--	--	--	--	--
17...	0800	80513	80010	60	345	7.4	9.5	2.4	21	762	--
NOV											
07...	0900	80513	80010	60	340	6.9	10.5	3.2	29	761	--
DEC											
07...	0745	80513	80010	60	330	8.1	10.0	10.0	89	762	5
JAN, 1985											
09...	1300	80513	80513	6460	300	8.0	8.5	11.2	95	765	--
FEB											
05...	1300	80513	80513	7060	360	8.1	5.0	12.2	96	760	--
MAR											
06...	1100	80513	80513	7000	250	7.9	5.5	11.4	89	776	--
APR											
03...	0700	80513	80513	3440	210	8.1	5.0	10.4	82	755	--
MAY											
23...	1530	80513	80010	2510	265	8.1	9.0	8.0	69	764	10
JUN											
04...	1400	80513	80513	2960	260	7.9	9.0	8.0	69	764	--
JUL											
09...	1515	80513	80513	5380	247	7.4	12.0	5.3	50	755	--
AUG											
15...	0915	80513	80010	60	277	8.1	13.5	10.5	102	755	5
SEP											
05...	0745	80513	80513	60	332	7.6	14.0	7.0	69	752	--

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
OCT, 1984										
01...	1600	--	--	--	--	--	--	--	90	70
17...	0800	--	--	--	--	--	--	--	160	130
NOV										
07...	0900	--	--	--	--	--	--	--	400	290
DEC										
07...	0745	4.0	1.8	10	169	.20	<.010	<.010	380	350
MAY, 1985										
23...	1530	1.1	1.0	1	136	.60	<.010	<.010	--	--
AUG										
15...	0915	.70	2.0	40	139	.50	.070	.050	--	--

07060500 WHITE RIVER AT CALICO ROCK, ARK.

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 above 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.--Estimated daily discharges: Oct. 1-15, Feb. 2-25, and Apr. 25-29. Water-discharge records good except for estimated daily discharges, which are fair. Satellite telemeter at station. 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.--46 years, 10,020 ft^3/s, 7,259,000 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, 105,000 ft^3/s Feb. 24, gage height, 27.22 ft, from floodmark; minimum daily, 500 ft^3/s Oct. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6600	4220	10100	18600	37800	21500	35900	15300	6970	13400	17800	13900
2	3200	5550	7560	21600	39000	25100	20000	12300	6870	13600	19700	13900
3	5000	10700	6160	15500	38000	27400	17600	10500	7030	14700	16900	14300
4	4400	7570	8270	15700	38000	26400	17400	10000	8150	15200	18600	13800
5	1000	5740	7490	15500	36000	17000	15400	9700	9730	17200	20000	6720
6	1300	4570	5830	16900	37000	24600	18700	11700	11400	17300	17200	14100
7	1400	3760	8920	18700	37000	28200	19300	13100	12400	18000	18300	14300
8	8600	3250	7920	20700	36000	31400	20500	12800	13900	19500	18800	13800
9	2800	2960	7910	24600	36000	32000	18800	8410	13500	17500	19300	14200
10	2300	2750	9960	28300	36000	31900	18900	9620	13600	18000	17900	13600
11	2900	2540	13000	29300	36000	31900	19200	12400	11900	17100	18600	14000
12	7400	2380	14800	29200	35000	33800	22100	12500	9750	17400	20300	14500
13	2500	2210	17400	30400	33000	35700	23900	13600	9590	18300	18200	13400
14	500	6430	17800	32200	35000	35800	28000	7630	10400	18400	17000	16400
15	12000	6160	17900	34600	38000	35700	29600	6350	13900	18400	17300	7640
16	17800	9690	10300	35000	38000	35900	33000	6980	14600	18900	19400	6380
17	14300	13000	9960	31200	38000	35600	33800	6540	16000	19000	18800	16000
18	9240	20900	20900	33700	38000	35500	35500	6180	12100	19400	17700	12000
19	6480	30400	23000	37900	38000	37100	35400	6650	11200	17700	19200	15500
20	7750	22000	28600	37900	38000	35900	35400	7040	10900	18400	17700	12900
21	19000	11000	48500	37900	38000	31100	35300	10200	10900	18400	18300	13500
22	20300	7540	51200	39000	35000	35200	35300	9670	10700	18600	19100	7990
23	13000	6000	26500	39100	17000	38400	42300	7220	9260	19000	18500	14000
24	8650	7240	15200	38900	79000	37100	21400	7400	10600	18900	18000	14300
25	10300	8210	16300	38700	58000	34400	22000	7110	10100	19900	18000	4320
26	26100	7490	16000	39200	19900	34000	24000	7240	10100	19600	18600	7940
27	17300	14500	14100	39300	21000	33800	15000	6920	10700	20000	18700	11200
28	9460	18300	16000	39200	20500	36700	15000	7310	11000	19500	20100	4270
29	6880	12600	17400	39100	---	37300	26000	9690	12000	19800	16800	1680
30	5500	11700	19300	38900	---	49300	14300	7580	13000	19100	13300	5690
31	4890	---	20300	37000	---	74500	---	6480	---	18600	13800	---
TOTAL	258850	271360	514580	953800	1026200	1060200	749000	286120	332250	558800	561900	346230
MEAN	8350	9045	16600	30770	36650	34200	24970	9230	11080	18030	18130	11540
MAX	26100	30400	51200	39300	79000	74500	42300	15300	16000	20000	20300	16400
MIN	500	2210	5830	15500	17000	17000	14300	6180	6870	13400	13300	1680
AC-FT	513400	538200	1021000	1892000	2035000	2103000	1486000	567500	659000	1108000	1115000	686700

CAL YR 1984	TOTAL	3748030	MEAN	10240	MAX	51200	MIN	500	AC-FT	7434000
WTR YR 1985	TOTAL	6919290	MEAN	18960	MAX	79000	MIN	500	AC-FT	13724000

07060500 WHITE RIVER AT CALICO ROCK, ARK.--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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (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)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)
NOV, 1984											
06...	1515	80513	80010	4300	230	8.2	14.0	10.4	101	760	94
JAN, 1985											
08...	1545	80513	80010	25300	276	7.8	9.0	10.3	89	761	39
MAR											
05...	1530	80513	80010	17800	276	8.0	8.0	12.4	104	765	35
APR											
22...	1330	80513	80010	37000	251	7.8	10.0	10.2	92	750	12
JUN											
10...	1400	80513	80010	12500	254	8.0	7.0	9.4	78	754	31
AUG											
01...	0700	80513	80010	19800	241	7.5	13.5	7.5	72	757	21

DATE	TIME	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CACO3) (00900)	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)
NOV, 1984											
06...	1515	31	120	5	36	7.1	1.7	3	.0	1.0	114
JAN, 1985											
08...	1545	9	140	0	34	14	1.9	3	.0	1.2	150
MAR											
05...	1530	45	140	4	34	14	1.8	3	.0	1.2	139
APR											
22...	1330	29	130	2	31	12	2.2	4	.0	1.4	125
JUN											
10...	1400	400	130	2	31	12	2.0	3	.0	1.2	125
AUG											
01...	0700	120	120	4	34	8.8	2.6	4	.1	1.5	117

DATE	TIME	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)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
NOV, 1984											
06...	1515	6.5	2.9	<.10	.28	--	.020	<.010	.30	.33	.020
JAN, 1985											
08...	1545	6.6	3.7	<.10	--	.25	<.010	.030	.30	.28	.020
MAR											
05...	1530	7.0	3.6	<.10	.39	--	.010	<.010	.40	.41	.120
APR											
22...	1330	7.2	4.1	<.10	--	--	<.010	<.010	.40	.42	.060
JUN											
10...	1400	6.8	4.0	<.10	--	--	<.010	<.010	.50	.51	.070
AUG											
01...	0700	7.1	4.4	<.10	--	--	<.010	<.010	.60	.59	.070

07060500 WHITE RIVER AT CALICO ROCK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
NOV, 1984										
06...	1515	.060	.28	.34	.30	--	.40	.60	--	.020
JAN, 1985										
08...	1545	.050	.48	.25	.50	--	.30	.80	--	<.010
MAR										
05...	1530	.040	.58	.66	.70	--	.70	1.1	--	.040
APR										
22...	1330	.020	.74	.58	.80	--	.60	1.2	--	<.010
JUN										
10...	1400	.070	.23	--	.30	--	--	.80	--	<.010
AUG										
01...	0700	.050	.13	.35	.20	.00	.40	.80	.99	<.010

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, 1984										
06...	1515	.030	90	<1	<20	1	1	<1	80	590
JAN, 1985										
08...	1545	.020	--	--	<20	--	--	--	--	--
MAR										
05...	1530	<.010	--	--	<20	--	--	--	--	--
APR										
22...	1330	<.010	140	<1	<20	<1	<1	1	3	450
JUN										
10...	1400	<.010	--	--	<20	--	--	--	--	--
AUG										
01...	0700	<.010	--	--	<20	--	--	--	--	--

DATE	TIME	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)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV, 1984										
06...	1515	2	20	<.1	1	<1	10	4	46	88
MAR, 1985										
05...	1530	--	--	--	--	--	--	4	192	71
APR										
22...	1330	1	20	<.1	2	<1	20	5	499	86
JUN										
10...	1400	--	--	--	--	--	--	1	34	50
AUG										
01...	0700	--	--	--	--	--	--	3	160	82

07060590 MILL CREEK NEAR MELBOURNE, ARK.

LOCATION.--Lat 36°03'13", long 91°54'58", in SE 1/4 NE 1/4 sec.11, T.16 N., R.9 W., Izard County, Hydrologic Unit 11010004, at upstream side of bridge on State Highway 9, 0.4 mi southwest of water tower, and 0.6 mi south of intersection of State Highway 9 and 69.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984									
09...	1050	9827	9827	7.6	17.0	7.9	21.0	--	--
NOV									
06...	1000	9827	9827	7.9	13.0	10.6	10.0	180	.7
DEC									
04...	0930	9827	9827	7.7	10.0	10.7	1.0	K72	1.2
JAN, 1985									
15...	1030	9827	9827	7.7	7.0	12.3	-3.0	190	1.0
FEB									
12...	1030	9827	9827	8.0	6.0	12.7	-1.0	K270	1.9
MAR									
19...	1015	9827	9827	7.8	12.0	11.6	15.0	--	1.5
APR									
09...	1100	9827	9827	7.9	13.0	11.2	15.0	K12	1.1
MAY									
07...	0945	9827	9827	8.0	16.0	9.8	22.0	110	1.4
JUN									
04...	1030	9827	9827	7.8	19.0	8.4	29.0	120	1.3
JUL									
09...	1000	9827	9827	7.9	20.0	7.5	28.0	290	.5
AUG									
06...	0845	9827	9827	7.8	20.0	6.7	24.0	--	3.7
SEP									
10...	1000	9827	9827	7.8	21.0	6.9	28.0	590	3.1

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984									
09...	1050	140	--	7.0	29	244	124	1.3	--
NOV									
06...	1000	4.4	170	--	7.0	208	8	16	--
DEC									
04...	0930	4.0	170	6.0	8.0	189	8	1.5	--
JAN, 1985									
15...	1030	2.5	160	7.0	8.5	183	4	>1.0	.160
FEB									
12...	1030	--	170	8.0	2.5	198	9	1.3	.290
MAR									
19...	1015	2.0	170	6.0	8.0	203	4	1.3	--
APR									
09...	1100	3.5	150	6.0	6.5	189	2	1.5	.080
MAY									
07...	0945	3.0	150	3.0	7.5	176	4	.99	.110
JUN									
04...	1030	2.0	160	--	8.5	191	6	1.1	.190
JUL									
09...	1000	5.0	170	6.0	8.5	195	12	1.2	.090
AUG									
06...	0845	5.0	160	7.0	19	212	11	1.2	.110
SEP									
10...	1000	5.0	170	6.0	19	237	7	1.3	.180

07060590 MILL CREEK NEAR MELBOURNE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)
OCT, 1984									
09...	1050	.510	--	<1	5	25	20	30	--
NOV									
06...	1000	--	.030	<1	<1	20	6	20	--
DEC									
04...	0930	.050	.020	<1	<1	10	12	50	--
JAN, 1985									
15...	1030	.070	.040	<1	<1	<10	--	--	--
FEB									
12...	1030	.150	.120	1	2	71	110	70	--
MAR									
19...	1015	--	.080	<1	<1	33	34	40	--
APR									
09...	1100	.080	.060	<1	<1	15	12	--	--
MAY									
07...	0945	.090	.070	<1	<1	<15	1	10	--
JUN									
04...	1030	--	.040	<1	<1	28	1	20	--
JUL									
09...	1000	.030	.010	<1	1	--	2	--	--
AUG									
06...	0845	.160	.090	<1	<1	<15	<1	10	<.001
SEP									
10...	1000	.150	.100	<1	1	<15	1	<10	--

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)
AUG, 1985								
06...	0845	<.001	<.002	<.001	<.001	<.01	<.01	<1

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

LOCATION.--Lat 35°59'43", long 92°12'45", 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 above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Aug. 21 to Sept. 30. Water-discharge records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--19 years, 48.5 ft^3/s, 11.34 in/yr, 34,140 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.--Peak discharges greater than base discharge of 2,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Feb. 23	1845	3,260	8.60
Mar. 30	1135	*9,800	*13.65

Minimum daily discharge, 4.1 ft^3/s Oct. 2, 3, 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	40	67	318	32	87	272	127	22	15	8.8	10
2	4.1	71	53	164	31	76	174	109	20	14	8.7	9.5
3	4.1	64	42	117	28	70	125	86	18	13	9.2	9.0
4	4.1	50	34	95	29	73	103	69	17	13	8.9	27
5	4.5	38	33	76	29	81	89	59	17	13	10	75
6	9.4	31	30	64	29	78	73	51	21	12	11	28
7	10	29	26	59	28	73	63	46	20	12	10	11
8	9.7	27	29	53	26	68	56	51	18	11	9.8	8.5
9	25	26	35	48	26	62	52	48	17	11	9.4	8.0
10	19	25	39	48	30	58	48	38	17	11	12	6.5
11	27	23	36	45	70	57	49	34	17	12	17	6.5
12	31	22	33	39	72	54	46	32	15	12	12	5.0
13	32	21	35	37	63	53	43	30	15	11	10	5.0
14	19	21	60	37	61	58	49	29	14	11	11	5.0
15	42	24	121	35	58	56	51	26	14	12	23	5.0
16	170	26	99	35	56	53	47	25	14	14	21	5.0
17	65	25	79	37	54	51	43	24	17	14	13	5.0
18	44	775	66	37	56	49	41	22	30	12	11	4.5
19	52	235	69	37	71	47	40	22	24	10	10	4.5
20	382	109	221	32	71	47	38	21	18	9.4	9.4	4.5
21	282	72	1120	29	65	67	37	21	16	9.7	9.0	4.5
22	90	53	335	30	69	198	104	24	25	11	9.0	4.5
23	59	41	185	30	1430	143	715	22	28	11	9.0	4.5
24	43	34	128	32	598	111	430	20	20	9.8	12	4.5
25	344	29	90	32	237	91	189	20	17	9.4	12	4.5
26	168	132	70	28	159	76	125	19	31	14	11	8.0
27	90	858	59	30	118	71	181	18	26	13	11	6.5
28	64	187	54	31	97	69	196	19	19	11	10	5.5
29	54	119	48	31	---	64	127	21	16	9.7	10	4.5
30	44	89	52	31	---	2960	118	37	15	9.1	10	4.5
31	36	---	129	33	---	785	---	30	---	9.1	10	---
TOTAL	2232.2	3296	3477	1750	3693	5886	3724	1200	578	359.2	348.2	294.0
MEAN	72.0	110	112	56.5	132	190	124	38.7	19.3	11.6	11.2	9.80
MAX	382	858	1120	318	1430	2960	715	127	31	15	23	75
MIN	4.1	21	26	28	26	47	37	18	14	9.1	8.7	4.5
CFSM	1.24	1.89	1.93	.97	2.27	3.27	2.13	.67	.33	.20	.19	.17
IN.	1.43	2.11	2.23	1.12	2.36	3.77	2.38	.77	.37	.23	.22	.19
AC-FT	4430	6540	6900	3470	7330	11670	7390	2380	1150	712	691	583

CAL YR 1984	TOTAL	20172.7	MEAN	55.1	MAX	1390	MIN	3.0	CFSM	.95	IN.	12.92	AC-FT	40010
WTR YR 1985	TOTAL	26837.6	MEAN	73.5	MAX	2960	MIN	4.1	CFSM	1.27	IN.	17.18	AC-FT	53230

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

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV, 1984											
06...	1430	80513	80010	34	235	8.3	12.5	2.6	10.2	96	758
JAN, 1985											
09...	0830	80513	80010	40	240	8.3	6.0	<.10	13.2	107	758
MAR											
05...	1345	80513	80010	88	246	8.1	12.0	.50	12.0	112	760
APR											
22...	1130	80513	80010	31	261	7.9	18.0	.30	8.6	93	747
JUN											
10...	1530	80513	80010	18	266	8.3	27.0	.90	6.7	86	750
AUG											
01...	0600	80513	80010	9.0	262	7.6	25.0	.60	5.5	67	753

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 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, 1984										
06...	1430	36	63	130	4	41	5.5	1.1	2	.0
JAN, 1985										
09...	0830	24	68	130	0	42	5.1	1.1	2	.0
MAR										
05...	1345	1	39	120	7	41	4.4	1.2	2	.0
APR										
22...	1130	22	180	--	--	38	--	7.8	--	--
JUN										
10...	1530	22	510	140	0	46	5.2	1.5	2	.0
AUG										
01...	0600	14	40000	140	4	45	6.1	1.7	3	.0

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
NOV, 1984										
06...	1430	.70	121	6.5	1.7	<.10	6.3	132	140	.18
JAN, 1985										
09...	0830	.50	132	6.4	1.6	<.10	6.1	148	140	.20
MAR										
05...	1345	.50	114	6.5	1.8	<.10	6.4	128	130	.17
APR										
22...	1130	4.3	139	5.9	2.0	<.10	10	--	--	--
JUN										
10...	1530	.80	136	4.9	3.4	<.10	8.2	152	150	.21
AUG										
01...	0600	1.0	134	4.2	2.5	<.10	8.7	153	150	.21

07060710 NORTH SYLAMORE CREEK NEAR FIFTY SIX, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)
NOV, 1984										
06...	1430	<.10	<.010	.20	<.010	.010	<.010	--	--	--
JAN, 1985										
09...	0830	<.10	.070	.40	.040	.010	.020	10	<1	25
MAR										
05...	1345	<.10	.050	.60	<.010	<.010	<.010	--	--	--
APR										
22...	1130	.10	.020	.30	<.010	<.010	<.010	--	--	--
JUN										
10...	1530	<.10	<.010	.10	<.010	<.010	<.010	<10	<1	31
AUG										
01...	0600	<.10	.130	.20	<.010	<.010	<.010	--	--	--

DATE	TIME	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)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
JAN, 1985										
09...	0830	<.5	1	<1	<3	<1	<3	1	<4	2
JUN										
10...	1530	<.5	2	3	<3	1	5	1	10	6

DATE	TIME	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)
JAN, 1985										
09...	0830	.1	<10	1	<1	<1	31	6	--	--
MAR										
05...	1345	--	--	--	--	--	--	--	.05	<2.1
JUN										
10...	1530	<.1	<10	3	<1	<1	38	6	--	--

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)
NOV, 1984										
06...	1430	--	--	--	--	--	--	4	.37	39
MAR, 1985										
05...	1345	<.4	<2.0	<.4	<1.7	<.4	.05	3	.71	50
APR										
22...	1130	--	--	--	--	--	--	6	.51	20
JUN										
10...	1530	--	--	--	--	--	--	3	.14	55
AUG										
01...	0600	--	--	--	--	--	--	1	.02	100

07061000 WHITE RIVER AT BATESVILLE, ARK.

LOCATION.--Lat 35°45'37", long 91°38'28", in SW 1/4 NE 1/4 sec.21, T.13 N., R.6 W., Independence County, Hydrologic Unit 11010004, on left bank of Lock and Dam 1.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984										
23...	1300	9827	9827	19800	7.7	14.0	9.8	15.0	960	1.7
NOV										
20...	1315	9827	9827	31000	7.9	10.0	11.1	20.0	K900	1.4
DEC										
18...	1300	9827	9827	16300	7.9	12.0	10.1	10.0	540	.8
JAN, 1985										
29...	1345	9827	9827	42000	8.4	8.0	12.9	6.0	<4	.6
FEB										
26...	1230	9827	9827	27500	7.7	17.0	10.7	15.0	K200	.7
MAR										
26...	1230	9827	9827	37300	8.5	11.0	12.3	24.0	--	.5
APR										
23...	1300	9827	9827	58500	8.0	15.0	10.1	30.0	2600	1.3
MAY										
21...	1230	9827	9827	8600	8.3	19.0	9.4	26.0	190	1.2
JUN										
18...	1300	9827	9827	14400	8.0	18.0	10.2	31.0	K10	2.0
JUL										
23...	1300	9827	9827	21500	8.1	18.0	--	35.0	440	1.1
AUG										
20...	1300	9827	9827	21800	8.0	18.0	9.8	31.0	2900	1.1
SEP										
24...	1315	9827	9827	13100	8.0	19.0	9.8	25.0	380	1.3

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984									
23...	1300	60	90	--	4.0	130	--	.49	.040
NOV									
20...	1315	60	96	7.0	3.5	137	88	.31	.010
DEC									
18...	1300	9.0	120	8.0	4.0	148	12	.34	.030
JAN, 1985									
29...	1345	--	150	8.0	8.5	146	12	.31	.020
FEB									
26...	1230	75	96	--	3.5	131	90	.43	.030
MAR									
26...	1230	6.0	130	14	3.0	159	11	.29	<.010
APR									
23...	1300	55	120	12	4.0	139	102	.34	.010
MAY									
21...	1230	4.0	150	4.0	4.0	163	10	.28	.010
JUN									
18...	1300	6.0	130	6.0	3.5	150	--	.49	<.010
JUL									
23...	1300	4.0	130	2.0	6.5	142	8	.59	<.010
AUG									
20...	1300	3.0	120	7.0	4.0	140	6	--	--
SEP									
24...	1315	3.0	130	9.0	4.5	142	9	.51	.050

07061000 WHITE RIVER AT BATESVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1984									
23...	1300	.150	.050	<1	3	<10	--	--	--
NOV									
20...	1315	.160	.060	1	4	11	6	--	--
DEC									
18...	1300	.040	.020	<1	2	<10	7	--	30
JAN, 1985									
29...	1345	--	<.010	<1	1	17	--	--	50
FEB									
26...	1230	.160	.020	<1	3	15	11	--	40
MAR									
26...	1230	.050	.030	<1	5	17	40	--	50
APR									
23...	1300	.140	.050	1	1	20	--	4	50
MAY									
21...	1230	.030	.010	<1	<1	<15	10	--	10
JUN									
18...	1300	.030	.010	<1	<1	<15	8	--	20
JUL									
23...	1300	.010	.010	<1	<1	<15	9	--	10
AUG									
20...	1300	.020	.030	<1	<1	<15	1	--	--
SEP									
24...	1315	.050	.010	<1	1	<15	7	--	--

07061094 WHITE RIVER NEAR SALADO, ARK.

LOCATION.--Lat 35°42'03", long 91°33'19", in NW 1/4 NW 1/4 sec.5, T.12 N., R.5 W., Independence County, Hydrologic Unit 11010004, at left bank off sandbar at end of county road 1.8 mi south of State Highway 394, and 0.2 mi below confluence with Salado Creek, and at mile 288.

DRAINAGE AREA.--11,198 mi^2.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
23...	1330	9827	9827	19700	7.7	15.0	10.1	15.0	1100
NOV									
20...	1345	9827	9827	30900	7.8	10.0	10.9	20.0	K1300
DEC									
18...	1330	9827	9827	17200	7.9	11.0	10.5	10.0	250
JAN, 1985									
29...	1425	9827	9827	42000	8.4	12.0	13.1	10.0	K4
FEB									
26...	1330	9827	9827	26900	7.6	11.0	9.6	15.0	540
MAR									
26...	1315	9827	9827	37200	8.1	12.0	12.4	24.0	--
APR									
23...	1345	9827	9827	58500	7.9	15.0	6.7	30.0	K10000
MAY									
21...	1300	9827	9827	8600	8.3	20.0	9.6	32.0	K12
JUN									
18...	1345	9827	9827	14300	8.0	17.0	10.2	31.0	370
JUL									
23...	1330	9827	9827	21800	8.1	21.0	--	37.0	160
AUG									
20...	1330	9827	9827	22400	8.0	18.0	10.2	31.0	500
SEP									
24...	1345	9827	9827	13600	8.1	19.0	9.8	25.0	110

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
23...	1330	1.9	90	98	--	4.5	132	--	.43
NOV									
20...	1345	1.7	70	100	7.0	3.5	137	126	.31
DEC									
18...	1330	.9	20	120	6.0	3.0	153	19	.32
JAN, 1985									
29...	1425	.5	--	140	9.0	8.0	149	18	.31
FEB									
26...	1330	1.4	120	76	--	4.0	135	105	.35
MAR									
26...	1315	1.2	6.0	130	11	3.5	147	18	.28
APR									
23...	1345	--	55	120	10	3.5	138	112	.36
MAY									
21...	1300	1.0	3.5	150	4.0	4.5	155	8	.29
JUN									
18...	1345	1.4	5.0	130	6.0	3.5	160	--	.48
JUL									
23...	1330	1.5	4.0	120	5.0	5.5	145	18	.59
AUG									
20...	1330	1.4	3.0	120	7.0	5.0	144	14	--
SEP									
24...	1345	1.3	4.0	130	5.0	3.5	135	13	.48

07061094 WHITE RIVER NEAR SALADO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
23...	1330	.040	.220	.060	<1	6	<10	--	--
NOV									
20...	1345	.010	.210	.060	1	4	<10	7	--
DEC									
18...	1330	.030	.050	.020	<1	2	<10	6	20
JAN, 1985									
29...	1425	<.010	--	<.010	<1	1	<10	--	30
FEB									
26...	1330	.140	.210	.050	<1	4	10	5	30
MAR									
26...	1315	<.010	.030	.020	1	<1	<15	8	30
APR									
23...	1345	.010	.140	.040	<1	1	15	--	50
MAY									
21...	1300	.010	.030	.010	<1	<1	<15	4	20
JUN									
18...	1345	<.010	.040	.010	1	<1	<15	6	20
JUL									
23...	1330	.010	.030	.020	<1	1	<15	8	10
AUG									
20...	1330	--	.030	.020	<1	<1	<15	1	--
SEP									
24...	1345	.070	.040	.010	<1	<1	<15	6	--

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT, 1984											
16...	1000	80513	80513	.00	34.0	250	8.2	17.5	9.0	753	1.50
16...	1002	80513	80513	10.0	34.0	250	8.2	17.5	8.8	753	--
16...	1004	80513	80513	20.0	34.0	250	7.9	16.5	7.7	753	--
16...	1006	80513	80513	30.0	34.0	260	7.6	15.5	4.7	753	--
16...	1010	80513	80513	34.0	34.0	300	7.5	15.0	3.4	753	--
NOV											
06...	0830	80513	80513	.00	68.0	180	7.9	13.0	8.8	767	.90
06...	0832	80513	80513	10.0	68.0	180	7.9	13.5	8.8	767	--
06...	0834	80513	80513	20.0	68.0	180	7.9	13.5	8.7	767	--
06...	0836	80513	80513	30.0	68.0	180	7.9	13.5	8.8	767	--
06...	0838	80513	80513	40.0	68.0	180	7.9	13.5	8.8	767	--
06...	0840	80513	80513	50.0	68.0	120	7.6	13.0	8.1	767	--
06...	0842	80513	80513	60.0	68.0	115	7.5	12.5	7.8	767	--
06...	0844	80513	80513	68.0	68.0	115	7.4	12.5	7.8	767	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
DEC								
06...	0830	80513	80010	.00	49.0	172	8.1	6.0
06...	0831	80513	80010	3.00	49.0	172	8.1	6.0
06...	0840	80513	80010	10.0	49.0	172	8.1	6.0
06...	0844	80513	80513	20.0	49.0	172	8.1	6.0
06...	0846	80513	80513	30.0	49.0	172	8.1	6.0
06...	0850	80513	80010	39.0	49.0	172	7.9	6.0
06...	0852	80513	80513	40.0	49.0	172	8.1	6.0
06...	0855	80513	80513	49.0	49.0	172	8.1	6.0

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC								
06...	0830	12.0	770	.40	35	--	--	--
06...	0840	10.4	770	--	--	5	10	1.0
06...	0850	9.8	770	--	--	5	10	1.3

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
DEC								
06...	0831	--	--	--	--	--	1.10	<.100
06...	0840	84	45	.10	<.010	.010	--	--
06...	0850	84	40	.20	<.010	.010	--	--

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JAN, 1985											
08...	0900	80513	80513	.00	90.0	170	7.4	6.0	11.0	766	.80
08...	0902	80513	80513	10.0	90.0	170	7.5	6.0	11.0	766	--
08...	0904	80513	80513	20.0	90.0	170	7.6	6.0	11.2	766	--
08...	0906	80513	80513	30.0	90.0	170	7.6	6.0	11.2	766	--
08...	0908	80513	80513	40.0	90.0	170	7.6	6.0	11.3	766	--
08...	0910	80513	80513	50.0	90.0	170	7.6	6.0	11.0	766	--
08...	0912	80513	80513	60.0	90.0	170	7.6	6.0	11.0	766	--
08...	0914	80513	80513	70.0	90.0	170	7.6	6.0	11.0	766	--
08...	0916	80513	80513	80.0	90.0	170	7.6	6.0	11.0	766	--
08...	0920	80513	80513	90.0	90.0	170	7.6	6.0	11.4	766	--
FEB											
04...	1600	80513	80513	.00	70.0	110	7.7	2.0	13.2	763	.60
04...	1602	80513	80513	10.0	70.0	110	7.7	2.0	13.0	763	--
04...	1604	80513	80513	20.0	70.0	110	7.7	2.0	12.4	763	--
04...	1606	80513	80513	30.0	70.0	112	7.6	2.5	12.0	763	--
04...	1608	80513	80513	40.0	70.0	112	7.6	2.5	11.6	763	--
04...	1610	80513	80513	50.0	70.0	112	7.6	2.5	11.2	763	--
04...	1612	80513	80513	60.0	70.0	112	7.5	2.5	11.0	763	--
04...	1615	80513	80513	70.0	70.0	112	7.5	2.5	11.0	763	--
MAR											
05...	0830	80513	80513	.00	70.0	106	7.6	7.5	12.0	768	.20
05...	0832	80513	80513	10.0	70.0	106	7.6	7.5	11.8	768	--
05...	0834	80513	80513	20.0	70.0	106	7.6	7.5	11.8	768	--
05...	0836	80513	80513	30.0	70.0	106	7.6	7.5	11.6	768	--
05...	0838	80513	80513	40.0	70.0	106	7.6	7.5	11.6	768	--
05...	0840	80513	80513	50.0	70.0	114	7.6	7.5	11.6	768	--
05...	0842	80513	80513	60.0	70.0	116	7.6	7.5	11.4	768	--
05...	0845	80513	80513	70.0	70.0	146	7.6	6.5	11.0	768	--
APR											
02...	0800	80513	80513	.00	74.0	132	7.8	12.5	10.0	764	.40
02...	0802	80513	80513	10.0	74.0	132	7.8	12.5	9.8	764	--
02...	0804	80513	80513	20.0	74.0	132	7.8	12.5	9.8	764	--
02...	0806	80513	80513	30.0	74.0	120	7.8	12.5	9.6	764	--
02...	0808	80513	80513	40.0	74.0	100	7.7	12.0	9.6	764	--
02...	0810	80513	80513	50.0	74.0	76	7.6	11.5	9.8	764	--
02...	0812	80513	80513	60.0	74.0	74	7.5	11.0	9.8	764	--
02...	0814	80513	80513	70.0	74.0	80	7.5	11.0	9.8	764	--
02...	0815	80513	80513	74.0	74.0	118	7.4	11.0	8.7	764	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAY										
01...	1000	80513	80513	.00	60.0	155	8.1	19.5	9.4	756
01...	1001	80513	80010	3.00	60.0	155	8.1	19.5	9.4	756
01...	1003	80513	80513	10.0	60.0	155	8.0	19.0	9.3	756
01...	1005	80513	80010	12.0	60.0	155	7.9	19.0	9.3	756
01...	1007	80513	80513	15.0	60.0	155	7.8	18.0	8.8	756
01...	1010	80513	80513	20.0	60.0	155	7.6	17.0	8.5	756
01...	1012	80513	80513	30.0	60.0	165	7.5	16.0	8.2	756
01...	1014	80513	80513	31.0	60.0	135	7.4	15.0	7.9	756
01...	1016	80513	80513	32.0	60.0	135	7.3	14.0	7.6	756
01...	1018	80513	80513	35.0	60.0	135	7.3	13.0	6.9	756
01...	1020	80513	80513	40.0	60.0	135	7.2	12.0	6.8	756
01...	1025	80513	80010	48.0	60.0	100	7.2	11.5	6.5	756
01...	1027	80513	80513	50.0	60.0	135	7.2	11.5	6.6	756
01...	1030	80513	80513	60.0	60.0	115	7.2	11.0	6.7	756

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
MAY									
01...	1000	3.3	2	--	--	--	--	--	--
01...	1001	--	--	--	--	--	--	--	2.1
01...	1005	--	--	5	1.5	.7	90	66	<.10
01...	1025	--	--	25	11	.8	74	55	.30

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
01...	1001	.010	.29	.30	2.4	.010	<.010	5.40	<.100
01...	1005	--	--	--	--	<.010	<.010	--	--
01...	1025	--	--	--	--	<.010	.010	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUN									
04...	0800	80513	80513	.00	53.0	155	8.3	24.0	8.8
04...	0801	80513	80010	3.00	53.0	155	8.2	24.0	8.8
04...	0802	80513	80513	10.0	53.0	155	8.2	24.0	8.7
04...	0804	80513	80513	14.0	53.0	159	8.0	23.0	8.2
04...	0806	80513	80513	15.0	53.0	165	7.7	22.0	7.8
04...	0808	80513	80513	16.0	53.0	173	7.6	21.0	7.1
04...	0810	80513	80513	17.0	53.0	169	7.5	20.0	6.6
04...	0812	80513	80513	20.0	53.0	169	7.4	19.5	6.1
04...	0814	80513	80513	27.0	53.0	167	7.2	18.5	4.8
04...	0816	80513	80513	30.0	53.0	173	7.1	18.0	3.2
04...	0818	80513	80513	40.0	53.0	179	7.1	17.0	1.5
04...	0819	80513	80513	50.0	53.0	165	7.0	16.0	1.1
04...	0820	80513	80513	53.0	53.0	159	7.0	15.0	.2

DATE	TIME	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN								
04...	0800	763	2.10	--	--	--	--	--
04...	0801	763	--	<.10	<.010	.010	3.20	<.100

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JUL										
09...	0900	80513	80513	.00	79.0	163	7.9	28.0	7.5	754
09...	0901	80513	80010	3.00	79.0	162	8.0	28.0	7.5	754
09...	0902	80513	80513	10.0	79.0	156	7.7	27.0	7.4	754
09...	0904	80513	80513	11.0	79.0	156	7.5	26.5	7.1	754
09...	0906	80513	80513	12.0	79.0	155	7.4	26.0	6.8	754
09...	0908	80513	80513	15.0	79.0	151	7.3	25.0	6.8	754
09...	0910	80513	80513	16.0	79.0	147	7.6	24.0	6.7	754
09...	0912	80513	80513	17.0	79.0	143	7.2	23.0	5.9	754
09...	0914	80513	80513	20.0	79.0	158	7.0	22.5	5.5	754
09...	0916	80513	80513	24.0	79.0	131	6.9	21.5	4.5	754
09...	0918	80513	80513	30.0	79.0	121	6.8	20.5	3.2	754
09...	0920	80513	80513	35.0	79.0	116	6.8	19.5	3.3	754
09...	0922	80513	80513	40.0	79.0	110	6.8	19.0	4.4	754
09...	0924	80513	80513	50.0	79.0	91	6.8	18.5	4.7	754
09...	0926	80513	80513	60.0	79.0	158	6.7	18.0	3.7	754
09...	0928	80513	80513	70.0	79.0	110	6.7	18.0	.2	754
09...	0930	80513	80513	79.0	79.0	151	6.9	16.5	.1	754

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	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)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL									
09...	0900	4.0	--	--	--	--	--	--	--
09...	0901	--	<.10	<.010	.10	<.010	<.010	1.30	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG									
20...	1300	80513	80513	.00	60.0	180	8.0	28.0	7.1
20...	1301	80513	80010	3.00	60.0	180	7.9	28.0	6.9
20...	1302	80513	80513	10.0	60.0	180	7.9	28.0	6.8
20...	1305	80513	80010	12.0	60.0	179	7.9	28.0	6.9
20...	1307	80513	80513	20.0	60.0	179	7.9	28.0	6.7
20...	1309	80513	80513	25.0	60.0	201	7.3	26.5	1.8
20...	1310	80513	80513	27.0	60.0	210	7.2	25.5	1.3
20...	1312	80513	80513	30.0	60.0	204	7.2	25.0	.9
20...	1314	80513	80513	35.0	60.0	201	7.1	24.5	.2
20...	1317	80513	80513	40.0	60.0	202	7.1	24.0	.2
20...	1320	80513	80010	48.0	60.0	217	7.0	23.0	.2
20...	1323	80513	80513	50.0	60.0	199	7.1	22.5	.2
20...	1325	80513	80513	60.0	60.0	219	7.1	20.5	.1

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)
AUG								
20...	1300	757	3.2	K3	--	--	--	--
20...	1305	757	--	--	5	.60	1.4	88
20...	1320	757	--	--	5	3.0	1.2	100

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG								
20...	1301	--	--	.020	.020	.06	2.70	<.100
20...	1305	82	<.10	.020	<.010	.06	--	--
20...	1320	79	<.10	.020	<.010	.06	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP									
04...	0800	80513	80513	.00	60.0	216	7.4	26.0	5.0
04...	0801	80513	80010	3.00	60.0	217	7.3	26.0	5.9
04...	0802	80513	80513	10.0	60.0	227	7.2	25.5	3.3
04...	0804	80513	80513	20.0	60.0	236	7.0	25.0	.5
04...	0806	80513	80513	30.0	60.0	244	7.0	24.0	.8
04...	0808	80513	80513	35.0	60.0	242	7.0	23.0	.8
04...	0810	80513	80513	40.0	60.0	243	7.0	23.0	.3
04...	0812	80513	80513	50.0	60.0	227	7.0	22.5	1.7
04...	0815	80513	80513	60.0	60.0	270	7.0	21.0	.2

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP									
04...	0800	752	2.20	--	--	--	--	--	--
04...	0801	752	--	<.10	.020	<.010	.06	4.80	<.100

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (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)	COLOR (PLATINUM-COBALT UNITS) (00080)
OCT, 1984											
16...	0930	80513	80513	550	260	7.9	17.0	9.2	96	753	--
NOV											
06...	0800	80513	80513	925	180	7.8	13.0	10.4	98	767	--
DEC											
06...	0800	80513	80010	3750	172	8.0	6.0	12.0	95	770	5
JAN, 1985											
08...	0830	80513	80513	1420	170	7.6	6.5	14.0	113	766	--
FEB											
04...	1530	80513	80513	3790	110	7.5	2.5	16.0	117	763	--
MAR											
05...	0800	80513	80513	3010	110	8.0	7.5	12.8	106	768	--
APR											
02...	0730	80513	80513	246	110	7.7	11.0	10.6	96	764	--
MAY											
01...	0930	80513	80010	235	160	7.5	13.5	10.0	97	756	15
JUN											
04...	0730	80513	80513	876	169	7.0	18.0	8.6	91	763	--
JUL											
09...	0830	80513	80513	1300	128	6.9	20.0	8.7	97	754	--
AUG											
20...	1230	80513	80010	1840	198	7.2	24.5	7.7	93	757	10
SEP											
04...	0715	80513	80513	1960	226	7.1	24.0	7.7	93	752	--

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
DEC, 1984										
06...	0800	--	.9	24	66	.20	--	--	<.010	.010
MAY, 1985										
01...	0930	--	1.0	K840	73	.20	.20	.40	<.010	.010
AUG										
20...	1230	1.5	1.5	5	92	<.10	--	--	.020	<.010

07064000 BLACK RIVER NEAR CORNING, ARK.

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.

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 (U.S. Army 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.--No estimated daily discharges. Records good. Satellite telemeter at station. Some regulation since June 3, 1948, by Clearwater Lake (Missouri), 105 mi upstream, capacity, 413,700 acre-ft.

AVERAGE DISCHARGE.--47 years, 1,845 ft^3/s, 1,337,000 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 U.S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum dicharge, 17,500 ft^3/s Dec. 24, gage height, 13.89 ft; minimum, 804 ft^3/s Oct. 11, gage height, 3.40 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1270	3340	9920	7970	4250	5610	12100	6600	2040	2240	1470	1660
2	1240	3270	7540	9220	4250	4950	15900	6680	2030	2180	1490	1660
3	1220	3430	5710	9240	4250	4630	14300	6340	2040	2080	1520	1630
4	1200	3590	4760	8240	4250	4500	11100	5500	2070	1950	1550	1560
5	1150	3540	4310	6680	4260	4510	8470	4630	2090	1800	1570	1500
6	1040	3340	4150	5590	4280	4580	6490	4170	2110	1670	1560	1500
7	1020	3000	4120	4910	4280	4500	5380	4060	2110	1540	1520	1550
8	1030	2630	4190	4410	4280	4310	4740	4120	2080	1400	1520	1610
9	941	2310	4280	4080	4310	4300	4350	4100	2070	1330	1550	1650
10	844	2130	4380	3770	4310	4630	4160	4040	2060	1300	1590	1660
11	834	2150	4480	3460	4280	4960	4060	4010	2030	1320	1620	1660
12	977	2200	4520	3240	4270	5160	4010	4000	1930	1350	1650	1680
13	1070	2190	4520	3190	4460	5040	3980	3980	1870	1360	1630	1690
14	1100	2090	4680	3350	4300	4730	4180	3950	1870	1360	1570	1710
15	1090	1960	5060	3650	4260	4620	4940	3900	1900	1350	1550	1720
16	1120	1870	5390	3950	4370	4670	5710	3820	1920	1330	1590	1720
17	1300	1830	4940	4140	4490	4510	5200	3610	1950	1310	1670	1720
18	1530	1940	4390	4230	4630	4300	4480	3290	1990	1320	1720	1730
19	1720	2380	4210	4270	4800	4120	3970	3000	2020	1330	1730	1720
20	2140	3190	4370	4290	4910	4220	3590	2770	2050	1330	1720	1710
21	2880	3680	5860	4290	4850	4350	3410	2640	2060	1330	1670	1710
22	4530	3670	10700	4300	4730	4530	3530	2810	2070	1340	1630	1720
23	7080	3390	14500	4290	5460	4690	3750	3280	2080	1310	1620	1720
24	7100	2990	17000	4300	9020	4700	3940	4370	2100	1270	1680	1720
25	6020	2660	14100	4310	11100	4470	4140	4860	2090	1290	1790	1740
26	5060	2470	10700	4310	10900	4210	4240	4230	2090	1370	1840	1760
27	4460	2930	8510	4290	8980	4030	4530	3550	2160	1470	1830	1760
28	4090	4730	6980	4260	6890	3930	6370	3030	2210	1560	1760	1760
29	3780	9000	5930	4240	---	3950	7560	2650	2230	1600	1690	1760
30	3620	10800	5540	4220	---	4270	7150	2340	2250	1570	1660	1760
31	3450	---	6100	4250	---	7110	---	2130	---	1510	1650	---
TOTAL	75906	98700	205840	148940	149420	143090	179730	122460	61570	46470	50610	50450
MEAN	2449	3290	6640	4805	5336	4616	5991	3950	2052	1499	1633	1682
MAX	7100	10800	17000	9240	11100	7110	15900	6680	2250	2240	1840	1760
MIN	834	1830	4120	3190	4250	3930	3410	2130	1870	1270	1470	1500
AC-FT	150600	195800	408300	295400	296400	283800	356500	242900	122100	92170	100400	100100

CAL YR 1984 TOTAL 885706 MEAN 2420 MAX 17000 MIN 372 AC-FT 1757000
WTR YR 1985 TOTAL 1333186 MEAN 3653 MAX 17000 MIN 834 AC-FT 2644000

07068850 CURRENT RIVER NEAR POCAHONTAS, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
23...	0800	9827	9827	11200	7.4	10.0	8.3	14.0	K320
NOV									
20...	0830	9827	9827	4720	7.7	10.0	10.5	8.0	K690
DEC									
18...	0845	9827	9827	9820	7.8	12.0	9.6	13.0	K10
JAN, 1985									
29...	0930	9827	9827	4040	8.3	5.0	12.0	2.0	K8
FEB									
26...	0900	9827	9827	15600	8.1	9.0	9.5	11.0	680
MAR									
26...	0830	9827	9827	5710	7.9	12.0	10.7	15.0	--
APR									
23...	0830	9827	9827	5320	8.1	19.0	9.3	24.0	<10
MAY									
21...	0830	9827	9827	3900	8.1	19.0	9.2	25.0	K4
JUN									
18...	0830	9827	9827	2770	7.9	19.0	8.1	25.0	K28
JUL									
23...	0815	9827	9827	2560	8.1	24.0	--	29.0	K8
AUG									
20...	0900	9827	9827	2790	8.2	24.0	8.8	25.0	<10
SEP									
24...	0830	9827	9827	1930	8.2	20.0	9.0	16.0	K8

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
23...	0800	1.2	50	100	--	2.0	139	--	.25
NOV									
20...	0830	1.7	25	110	6.0	3.0	145	28	.37
DEC									
18...	0845	.9	8.0	110	8.0	2.5	137	14	.33
JAN, 1985									
29...	0930	.5	--	130	4.0	7.0	140	9	.35
FEB									
26...	0900	1.8	280	100	--	6.0	194	166	.15
MAR									
26...	0830	.5	6.0	130	19	1.5	160	10	.19
APR									
23...	0830	1.2	4.0	130	8.0	2.0	141	6	.17
MAY									
21...	0830	1.0	6.4	150	4.0	2.5	154	12	.19
JUN									
18...	0830	.9	10	140	8.0	2.5	153	--	.32
JUL									
23...	0815	.6	6.0	150	5.0	3.5	170	18	.30
AUG									
20...	0900	1.6	7.0	160	6.0	3.5	176	19	--
SEP									
24...	0830	1.2	3.0	180	7.0	3.0	180	20	.23

07068850 CURRENT RIVER NEAR POCAHONTAS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
23...	0800	.050	.120	.060	<1	2	10	--	--
NOV									
20...	0830	.010	.070	.040	1	2	10	5	--
DEC									
18...	0845	.050	.050	.040	<1	6	<10	17	30
JAN, 1985									
29...	0930	.010	--	.010	<1	5	21	--	70
FEB									
26...	0900	.090	.330	.110	<1	24	37	34	40
MAR									
26...	0830	.070	.300	.040	<1	4	31	16	70
APR									
23...	0830	.050	.040	.030	<1	1	<15	--	50
MAY									
21...	0830	.050	.040	.020	<1	1	22	8	60
JUN									
18...	0830	.030	.040	.020	<1	2	21	6	30
JUL									
23...	0815	.030	.030	.020	<1	1	25	9	30
AUG									
20...	0900	--	.040	.030	1	4	<15	5	--
SEP									
24...	0830	.050	.050	.010	<1	3	19	37	--

07069000 BLACK RIVER AT POCAHONTAS, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
23...	0845	9827	9827	13400	7.5	12.0	7.7	14.0	420
NOV									
20...	0915	9827	9827	9810	7.6	10.0	9.7	8.0	K1000
DEC									
18...	0925	9827	9827	12200	7.6	12.0	8.3	13.0	K60
JAN, 1985									
29...	1015	9827	9827	8260	8.2	5.0	11.8	2.0	120
FEB									
26...	0930	9827	9827	20400	7.4	9.0	9.1	11.0	400
MAR									
26...	0900	9827	9827	10800	7.8	12.0	9.8	15.0	--
APR									
23...	0830	9827	9827	11100	7.7	18.0	10.6	24.0	K50
MAY									
21...	0915	9827	9827	7840	7.8	19.0	7.8	25.0	K12
JUN									
18...	0900	9827	9827	7820	7.8	19.0	7.2	25.0	130
JUL									
23...	0900	9827	9827	3810	8.1	24.0	--	29.0	100
AUG									
20...	0930	9827	9827	4020	8.0	24.0	7.7	25.0	K90
SEP									
24...	0900	9827	9827	3340	8.9	20.0	8.2	17.0	K60

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
23...	0845	1.4	50	96	--	2.0	138	--	.23
NOV									
20...	0915	2.5	30	100	6.0	2.5	132	24	.28
DEC									
18...	0925	.7	20	110	8.0	3.0	139	10	.22
JAN, 1985									
29...	1015	.4	--	110	8.0	6.0	116	8	.23
FEB									
26...	0930	2.0	90	76	--	4.0	142	108	.16
MAR									
26...	0900	1.6	20	390	11	2.5	121	20	.11
APR									
23...	0830	1.0	10	100	8.0	2.5	122	16	.11
MAY									
21...	0915	.9	15	110	3.0	2.5	136	10	.19
JUN									
18...	0900	1.1	25	120	9.0	2.5	150	--	.28
JUL									
23...	0900	.9	40	140	4.0	2.5	148	43	.27
AUG									
20...	0930	1.4	35	140	6.0	3.0	157	58	--
SEP									
24...	0900	1.1	20	150	5.0	3.5	168	38	.18

07069000 BLACK RIVER AT POCAHONTAS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
23...	0845	.050	.120	.060	<1	2	<10	--	--
NOV									
20...	0915	<.010	.090	.060	<1	2	<10	6	--
DEC									
18...	0925	.030	.060	.030	<1	4	<10	10	30
JAN, 1985									
29...	1015	.010	--	.010	<1	3	15	--	50
FEB									
26...	0930	.070	.190	.050	<1	4	15	16	40
MAR									
26...	0900	<.010	.060	.040	<1	2	<15	15	40
APR									
23...	0830	.020	.090	.060	1	<1	11	--	30
MAY									
21...	0915	.010	.080	.040	<1	1	<15	8	20
JUN									
18...	0900	.030	.080	.040	<1	3	27	13	40
JUL									
23...	0900	.020	.070	.040	<1	4	30	36	70
AUG									
20...	0930	--	.070	.040	<1	1	<15	5	--
SEP									
24...	0900	.040	.070	.030	<1	1	<15	19	--

07069200 MAMMOTH SPRING AT MAMMOTH SPRING, ARK.

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 above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. 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, 643 ft^3/s Dec. 21, gage height, 5.02 ft; minimum, 262 ft^3/s Oct. 10, 11, gage height, 4.08 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	278	477	532	558	494	530	608	530	472	420	360	315
2	272	477	528	559	487	530	596	530	472	417	357	315
3	271	477	520	559	485	530	595	530	468	416	356	311
4	271	477	515	559	485	530	591	530	468	416	353	309
5	268	477	512	559	485	530	586	530	468	412	352	312
6	268	477	497	556	485	530	584	530	464	412	350	311
7	268	468	494	551	484	521	577	530	464	408	346	307
8	267	460	494	545	481	512	574	530	464	405	346	318
9	265	460	494	540	481	512	569	530	464	404	342	318
10	262	460	491	540	481	512	564	530	460	402	342	317
11	275	460	490	540	471	512	561	528	460	397	342	313
12	286	460	488	540	464	512	558	525	460	397	339	312
13	312	460	485	540	464	512	554	525	460	394	336	312
14	331	460	485	540	459	512	549	525	450	393	335	308
15	372	459	485	540	456	512	549	525	446	391	335	303
16	396	456	485	535	456	512	549	525	443	390	332	302
17	401	454	485	525	456	512	545	522	443	386	332	300
18	401	447	485	525	456	512	544	512	443	383	332	299
19	413	456	485	525	456	512	536	512	434	382	329	297
20	433	456	485	521	456	512	525	510	439	379	329	296
21	465	456	586	521	456	512	525	507	437	379	327	296
22	471	456	624	521	458	512	525	506	437	381	325	296
23	472	456	600	516	494	512	525	499	435	382	325	293
24	472	456	583	508	527	512	530	494	435	380	325	292
25	472	456	569	503	530	512	535	491	431	379	325	292
26	477	458	567	503	530	512	535	490	430	375	322	292
27	479	557	562	503	530	512	535	489	427	372	322	290
28	481	547	555	503	530	501	535	485	427	371	318	289
29	481	535	546	501	---	490	535	483	425	364	318	287
30	481	535	540	498	---	547	533	472	421	361	318	286
31	478	---	540	498	---	610	---	472	---	361	318	---
TOTAL	11539	14190	16207	16432	13497	16089	16627	15897	13447	12109	10388	9088
MEAN	372	473	523	530	482	519	554	513	448	391	335	303
MAX	481	557	624	559	530	610	608	530	472	420	360	318
MIN	262	447	485	498	456	490	525	472	421	361	318	286
AC-FT	22890	28150	32150	32590	26770	31910	32980	31530	26670	24020	20600	18030

CAL YR 1984	TOTAL	144782	MEAN	396	MAX	624	MIN	257	AC-FT	287200
WTR YR 1985	TOTAL	165510	MEAN	453	MAX	624	MIN	262	AC-FT	328300

07069295 SOUTH FORK SPRING RIVER AT SADDLE, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
09...	0900	9827	9827	42	7.7	19.0	7.4	16.0	K48
NOV									
06...	0900	9827	9827	267	8.3	11.0	10.0	6.0	K92
DEC									
04...	0830	9827	9827	73	8.0	8.0	11.2	1.0	K28
JAN, 1985									
15...	0930	9827	9827	255	7.9	2.0	12.9	-6.0	K52
FEB									
12...	0930	9827	9827	263	8.1	2.0	13.7	-5.0	<4
MAR									
19...	0905	9827	9827	268	8.1	11.0	10.9	11.0	--
APR									
09...	0900	9827	9827	304	8.1	11.0	10.9	7.0	K24
MAY									
07...	0830	9827	9827	305	8.2	19.0	8.5	21.0	K60
JUN									
04...	0915	9827	9827	144	8.1	25.0	8.3	27.0	K44
JUL									
09...	0845	9827	9827	--	8.1	26.0	6.8	23.0	K20
AUG									
06...	0800	9827	9827	33	8.1	25.0	7.2	25.0	140
SEP									
10...	0900	9827	9827	73	8.2	27.0	7.6	23.0	K24

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
09...	0900	.6	4.0	--	2.0	3.5	216	5	.08
NOV									
06...	0900	.9	4.8	170	--	3.5	198	6	1.1
DEC									
04...	0830	1.2	6.0	170	4.0	5.0	181	6	1.1
JAN, 1985									
15...	0930	.8	2.5	170	6.0	2.5	195	6	.91
FEB									
12...	0930	1.8	--	200	7.0	3.5	199	4	.67
MAR									
19...	0905	1.5	2.0	170	6.0	3.0	183	4	.36
APR									
09...	0900	1.0	3.4	170	8.0	2.5	184	4	.45
MAY									
07...	0830	1.1	5.0	180	4.0	2.5	184	8	.27
JUN									
04...	0915	1.6	3.0	190	--	2.5	196	4	.28
JUL									
09...	0845	.2	3.0	220	3.0	2.5	228	16	.18
AUG									
06...	0800	.9	2.0	210	6.0	3.5	230	8	.09
SEP									
10...	0900	1.6	8.0	160	6.0	3.0	150	8	.18

07069295 SOUTH FORK SPRING RIVER AT SADDLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
09...	0900	--	.020	--	<1	<1	23	4	80
NOV									
06...	0900	--	--	.010	<1	<1	32	5	40
DEC									
04...	0830	--	.030	<.010	<1	2	10	8	50
JAN, 1985									
15...	0930	.010	.020	<.010	<1	2	25	--	--
FEB									
12...	0930	.010	.010	.010	1	<1	33	45	130
MAR									
19...	0905	--	--	.020	<1	1	20	15	130
APR									
09...	0900	<.010	.020	.020	<1	<1	30	85	--
MAY									
07...	0830	.010	.030	.020	<1	<1	<15	2	20
JUN									
04...	0915	.010	--	.010	<1	<1	<15	1	10
JUL									
09...	0845	.030	.020	<.010	<1	2	--	3	--
AUG									
06...	0800	.020	.020	.020	<1	<1	<15	1	20
SEP									
10...	0900	.010	.040	.040	<1	<1	16	1	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)
JUL, 1985									
09...	0845	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07069370 SPRING RIVER AT RAVENDEN, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
23...	1045	9827	9827	2910	7.8	14.0	9.1	14.0	1200
NOV									
20...	1050	9827	9827	3780	7.9	10.0	10.8	6.0	2600
DEC									
18...	1030	9827	9827	2610	8.1	13.0	9.8	11.0	K100
JAN, 1985									
29...	1130	9827	9827	1770	8.7	8.0	12.7	6.0	K4
FEB									
26...	1045	9827	9827	4990	7.9	10.0	10.3	13.0	K20
MAR									
26...	1000	9827	9827	2090	8.3	12.0	11.0	17.0	--
APR									
23...	1000	9827	9827	9240	8.0	19.0	8.1	25.0	K1500
MAY									
21...	1030	9827	9827	1630	8.3	19.0	8.2	26.0	K4
JUN									
18...	1000	9827	9827	1430	8.2	18.0	7.5	28.0	400
JUL									
23...	1015	9827	9827	1010	8.3	24.0	--	30.0	K16
AUG									
20...	1045	9827	9827	655	8.3	23.0	7.8	26.0	<10
SEP									
24...	1000	9827	9827	502	8.3	20.0	8.5	19.0	K40

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
23...	1045	1.3	35	150	--	2.5	180	--	.82
NOV									
20...	1050	1.6	25	140	5.0	2.5	180	25	.60
DEC									
18...	1030	.8	5.0	210	7.0	2.5	230	9	.74
JAN, 1985									
29...	1130	.4	--	220	3.0	6.0	221	6	.71
FEB									
26...	1045	.9	25	170	--	4.5	181	38	.68
MAR									
26...	1000	.7	4.0	220	9.0	2.5	228	9	.43
APR									
23...	1000	2.9	60	150	7.0	2.5	174	104	.33
MAY									
21...	1030	1.6	4.0	220	1.0	2.5	223	10	.40
JUN									
18...	1000	1.1	4.0	220	3.0	3.0	231	--	.61
JUL									
23...	1015	.8	7.0	230	2.0	3.5	239	14	.51
AUG									
20...	1045	1.2	9.0	230	4.0	2.5	239	20	--
SEP									
24...	1000	1.3	10	--	4.0	2.5	234	22	.40

07069370 SPRING RIVER AT RAVENDEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
23...	1045	.060	.100	.060	<1	2	<10	--	--
NOV									
20...	1050	<.010	.060	.040	<1	4	11	5	--
DEC									
18...	1030	.020	.030	.010	<1	2	<10	6	30
JAN, 1985									
29...	1130	<.010	--	<.010	<1	2	15	--	40
FEB									
26...	1045	<.010	.080	<.010	<1	2	10	6	20
MAR									
26...	1000	<.010	.020	.010	<1	5	<15	33	40
APR									
23...	1000	.010	.110	.030	<1	1	<15	--	20
MAY									
21...	1030	.010	.020	.010	<1	<1	<15	9	--
JUN									
18...	1000	.020	.030	.020	<1	<1	23	8	10
JUL									
23...	1015	.020	.040	.030	<1	1	19	14	20
AUG									
20...	1045	--	.040	.030	<1	1	<15	9	--
SEP									
24...	1000	.060	.060	.010	<1	2	<15	29	--

07069500 SPRING RIVER AT IMBODEN, ARK.

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 above 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.--No estimated daily discharges. Records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--49 years, 1,382 ft^3/s, 15.86 in/yr, 1,001,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 244,000 ft^3/s Dec. 3, 1982, gage height, 38.12 ft from flood-marks, 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 U.S. Army Corps of Engineers, discharge, about 125,000 ft^3/s.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 21	0330	12,200	17.14	Feb. 24	1530	17,500	19.21
Nov. 27	1200	*51,000	*24.94	Mar. 31	0245	43,400	24.18
Dec. 22	0230	38,300	23.36	Apr. 24	0315	15,700	18.61
Jan. 1	1015	19,100	19.52	May 1	0630	9,160	14.32

Minimum discharge, 443 ft^3/s Oct. 5, gage height, 2.97 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	469	2630	3860	14800	1720	3230	13600	7810	1740	1160	826	570
2	458	3750	3410	8860	1680	3030	6180	6380	1620	1150	811	560
3	454	3290	3100	5050	1660	2810	4830	4190	1570	1140	789	549
4	449	2580	2850	4260	1610	2830	4230	3470	1530	1130	777	564
5	446	2220	2730	3770	1570	3010	3840	3100	1490	1110	790	608
6	504	1960	2600	3450	1530	2820	3530	2840	1590	1090	809	620
7	478	1800	2420	3210	1480	2600	3160	2680	1810	1080	806	659
8	468	1690	2330	3100	1420	2500	2900	2650	1600	1070	824	613
9	548	1610	2260	2950	1390	2500	2720	2420	1520	1060	812	647
10	628	1640	2270	2880	1390	2510	2600	2280	1470	1050	754	694
11	1130	1540	2220	2750	1610	2480	2530	2210	1430	1040	948	1100
12	867	1440	2170	2570	1670	2420	2440	2150	1400	1040	756	1770
13	1000	1370	2140	2440	1640	2330	2340	2060	1360	1020	711	901
14	918	1320	2710	2380	1630	2540	2720	2070	1330	1010	686	738
15	1040	1320	2960	2280	1640	2640	2710	1970	1310	1010	727	669
16	2190	1270	2720	2230	1630	2490	2490	1880	1300	1010	711	627
17	2120	1230	2490	2230	1610	2370	2330	1800	1310	1000	685	600
18	1530	4750	2610	2190	1600	2260	2230	1750	1410	998	668	576
19	1950	6940	2680	2120	1670	2180	2150	1710	1380	993	657	554
20	4450	3810	2560	2100	1710	2120	2080	1670	1310	984	653	539
21	11500	2740	20200	2040	1690	2210	2020	1660	1270	975	642	528
22	6750	2360	32500	2010	1830	2560	2050	2150	1320	971	631	521
23	2880	2110	10200	1940	5960	2500	8550	2090	1590	1000	661	514
24	2240	1950	5420	1920	15800	2320	10800	1790	1430	983	697	502
25	4670	1820	4270	1890	9020	2180	4510	1680	1330	961	665	515
26	5040	1890	3670	1810	4970	2090	3560	1640	1300	978	635	567
27	3430	33900	3320	1820	4030	2110	4850	1590	1310	933	628	554
28	2710	17400	3080	1830	3500	2100	6100	1580	1260	902	615	544
29	2540	6220	2870	1770	---	2060	4240	1910	1210	882	601	527
30	2200	4630	3560	1750	---	12400	3630	2130	1180	867	589	516
31	2050	---	4970	1750	---	35000	---	1940	---	848	580	---
TOTAL	68107	123180	147150	96150	78660	119200	121920	77250	42680	31445	22144	19446
MEAN	2197	4106	4747	3102	2809	3845	4064	2492	1423	1014	714	648
MAX	11500	33900	32500	14800	15800	35000	13600	7810	1810	1160	948	1770
MIN	446	1230	2140	1750	1390	2060	2020	1580	1180	848	580	502
CFSM	1.86	3.47	4.01	2.62	2.37	3.25	3.44	2.11	1.20	.86	.60	.55
IN.	2.14	3.87	4.63	3.02	2.47	3.75	3.83	2.43	1.34	.99	.70	.61
AC-FT	135100	244300	291900	190700	156000	236400	241800	153200	84660	62370	43920	38570

CAL YR 1984	TOTAL	704613	MEAN	1925	MAX	33900	MIN	400	CFSM	1.63	IN.	22.16	AC-FT 1398000
WTR YR 1985	TOTAL	947332	MEAN	2595	MAX	35000	MIN	446	CFSM	2.19	IN.	29.79	AC-FT 1879000

07072000 ELEVEN POINT RIVER NEAR RAVENDEN SPRINGS, ARK.

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 right bank at upstream 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 above 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.--Estimated daily discharges: Nov. 29 to Jan. 7. Records good except for estimated daily discharges, which are fair. Satellite telemeter at station.

AVERAGE DISCHARGE.--54 years, 1,137 ft^3/s, 13.62 in/yr, 823,800 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 discharges greater than base discharge 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	0600	15,000	g15.95	Feb. 24	2200	10,100	g13.89
Dec. 21	unknown	unknown	unknown	Mar. 31	2300	*21,700	g*18.00

g from graph based on once-daily gage readings.

Minimum discharge, 520 ft^3/s Oct. 10, gage height, 2.97 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	578	1700	3200	7200	1540	2700	14600	3410	1570	1250	995	889
2	566	2380	2800	8000	1510	2730	6250	5550	1550	1240	994	882
3	556	2400	2400	6600	1490	2500	4880	4070	1550	1220	982	877
4	549	2110	2200	5800	1440	2440	4260	3240	1510	1200	979	889
5	546	1900	2100	5000	1440	2240	3850	2880	1490	1200	992	934
6	558	1710	2000	4200	1430	2150	3560	2650	1690	1200	980	903
7	541	1590	1900	3300	1380	2110	3230	2650	1630	1180	974	920
8	537	1510	1900	2880	1360	2110	2980	2470	1780	1170	966	974
9	586	1460	1800	2720	1340	2420	2810	2280	1720	1160	956	918
10	592	1530	1800	2630	1370	2460	2680	2180	1560	1150	968	899
11	601	1400	1800	2500	1420	2520	2600	2110	1500	1130	965	883
12	628	1320	1900	2340	1430	2450	2490	2070	1470	1120	959	873
13	656	1260	2000	2240	1420	2360	2370	2010	1430	1110	956	863
14	681	1230	2500	2240	1410	2460	2710	1960	1410	1090	950	860
15	779	1210	2600	2160	1400	2450	2540	1900	1400	1100	983	859
16	1450	1160	2500	2090	1400	2360	2320	1840	1400	1120	999	855
17	1350	1120	2300	2050	1410	2280	2250	1780	1380	1100	985	852
18	1230	2600	2500	2020	1410	2170	2200	1760	1410	1080	957	850
19	1430	2920	2500	1970	1460	2090	2120	1720	1380	1070	939	843
20	3020	2420	2500	1920	1510	2030	2060	1690	1350	1060	948	837
21	4960	2010	8000	1840	1580	2170	2010	1740	1360	1060	933	832
22	4670	1790	12500	1780	1800	2360	2020	2770	1390	1160	924	834
23	2470	1660	10000	1770	3810	2250	3520	2160	1390	1130	937	831
24	1960	1570	8000	1760	8620	2140	3880	1850	1350	1060	950	822
25	2630	1500	7000	1710	8390	2030	3090	1750	1320	1050	936	831
26	2840	1600	5800	1670	4870	1960	2720	1680	1310	1040	921	853
27	2530	10200	4600	1660	3270	1980	3030	1630	1310	1040	911	831
28	2150	12600	3800	1660	2660	1960	3360	1630	1290	1030	902	820
29	1920	6500	3100	1620	---	1900	3000	1680	1290	1020	899	815
30	1740	4000	2500	1580	---	4500	2700	1640	1250	1000	894	812
31	1670	---	5000	1560	---	15800	---	1620	---	998	893	---
TOTAL	46974	78360	115500	88470	63570	86080	102090	70370	43440	34538	29527	25941
MEAN	1515	2612	3726	2854	2270	2777	3403	2270	1448	1114	952	865
MAX	4960	12600	12500	8000	8620	15800	14600	5550	1780	1250	999	974
MIN	537	1120	1800	1560	1340	1900	2010	1620	1250	998	893	812
CFSM	1.34	2.30	3.29	2.52	2.00	2.45	3.00	2.00	1.28	.98	.84	.76
IN.	1.54	2.57	3.79	2.90	2.09	2.82	3.35	2.31	1.43	1.13	.97	.85
AC-FT	93170	155400	229100	175500	126100	170700	202500	139600	86160	68510	58570	51450

CAL YR 1984	TOTAL	559854	MEAN	1530	MAX	12600	MIN	531	CFSM	1.35	IN.	18.37	AC-FT	1110000
WTR YR 1985	TOTAL	784860	MEAN	2150	MAX	15800	MIN	537	CFSM	1.90	IN.	25.75	AC-FT	1557000

07072100 ELEVEN POINT RIVER NEAR POCAHONTAS, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
23...	0945	9827	9827	2590	7.6	13.0	9.1	14.0	560
NOV									
20...	1015	9827	9827	2540	7.9	10.0	10.1	6.0	K890
DEC									
18...	1000	9827	9827	1630	7.9	13.0	9.6	11.0	340
JAN, 1985									
29...	1045	9827	9827	1680	8.5	5.0	11.6	2.0	K16
FEB									
26...	1000	9827	9827	4340	7.6	9.0	10.0	12.0	K80
MAR									
26...	0930	9827	9827	2030	8.1	12.0	10.6	16.0	--
APR									
23...	0930	9827	9827	4440	7.9	19.0	8.2	24.0	360
MAY									
21...	0950	9827	9827	1770	8.2	19.0	9.5	25.0	K8
JUN									
18...	0930	9827	9827	1500	8.0	19.0	8.5	25.0	K52
JUL									
23...	0945	9827	9827	1130	8.1	24.0	--	29.0	K60
AUG									
20...	1000	9827	9827	995	8.2	24.0	8.5	26.0	K10
SEP									
24...	0930	9827	9827	863	8.2	18.0	9.1	16.0	K8

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
23...	0945	1.3	45	120	--	2.5	154	--	.58
NOV									
20...	1015	1.0	9.0	140	3.0	3.5	171	22	.70
DEC									
18...	1000	.6	6.0	160	6.0	2.0	190	14	.68
JAN, 1985									
29...	1045	.3	--	170	4.0	7.0	175	5	.70
FEB									
26...	1000	.9	40	120	--	5.0	142	62	.54
MAR									
26...	0930	.5	4.0	160	8.0	2.0	177	10	.43
APR									
23...	0930	2.2	45	140	7.0	2.0	156	60	.41
MAY									
21...	0950	1.1	5.0	170	1.0	3.0	169	12	.39
JUN									
18...	0930	1.1	6.0	170	7.0	2.5	184	--	.57
JUL									
23...	0945	1.1	15	170	2.0	4.0	190	24	.57
AUG									
20...	1000	.8	5.0	190	4.0	2.0	200	16	--
SEP									
24...	0930	1.1	4.0	200	4.0	2.0	209	19	.55

07072100 ELEVEN POINT RIVER NEAR POCAHONTAS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
23...	0945	.040	.110	.050	<1	2	<10	--	--
NOV									
20...	1015	<.010	.050	.030	<1	<1	<10	7	--
DEC									
18...	1000	.020	.030	.020	<1	4	<10	10	30
JAN, 1985									
29...	1045	.010	--	<.010	<1	3	12	--	30
FEB									
26...	1000	.010	.090	.020	<1	6	20	9	30
MAR									
26...	0930	.010	.030	.030	1	<1	<15	13	20
APR									
23...	0930	.020	.090	.040	<1	<1	<15	--	30
MAY									
21...	0950	<.010	.020	.010	<1	1	<15	6	10
JUN									
18...	0930	.030	.020	.010	<1	1	26	9	20
JUL									
23...	0945	.020	.040	.030	<1	4	24	21	40
AUG									
20...	1000	--	.030	.020	<1	1	<15	4	--
SEP									
24...	0930	.070	.040	.010	<1	2	<15	13	--

07072500 BLACK RIVER AT BLACK ROCK, ARK.

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 above 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.--No estimated daily discharges. Water-discharge records good. Flow slightly regulated since June 3, 1948, by Clearwater Lake (Missouri), 189 mi upstream, capacity, 413,700 acre-ft. Satellite telemeter at station.

AVERAGE DISCHARGE.--48 years, 8,598 ft^3/s, 6,229,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 190,000 ft^3/s Dec. 4, 1982, gage height, 31.51 ft, from flood-marks, from rating curve extended above 105,000 ft^3/s; minimum daily discharge, 1,730 ft3/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, 70,800 ft^3/s Dec. 23, gage height, 26.22 ft; minimum daily, 3,760 ft^3/s Oct. 8, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4400	20500	29700	45400	11500	47800	63200	23800	15100	8430	5250	5370
2	4270	21200	28700	51300	11200	43700	49400	26200	13800	8030	5370	5320
3	4130	21100	28900	45800	10800	39200	48500	26200	12500	7730	5400	5270
4	3970	20500	28900	41700	10700	35200	52600	24900	11200	7500	5360	5260
5	3810	20000	28500	42500	10600	31900	51900	24400	10000	7330	5340	5310
6	3940	19900	27200	42700	10600	28700	48500	24200	9640	7210	5360	5360
7	3820	19700	25400	40500	10400	26100	44200	23800	10900	7110	5420	5370
8	3760	19000	23800	37500	10300	24300	39400	23300	11600	6960	5450	5370
9	3760	18100	22400	34100	10100	23000	35200	22400	12600	6750	5450	5290
10	3880	16900	21100	31200	10000	22300	31700	21300	13600	6500	5440	5360
11	4740	15700	19800	28300	10800	21700	28500	20200	14600	6250	5690	5380
12	5270	14400	18700	25700	11500	21100	25900	19200	15000	6020	5660	6380
13	5640	13300	17600	23900	11700	20500	23900	18000	14800	5840	5490	5650
14	5300	12300	17300	22500	12000	20300	23300	16900	14300	5670	5430	5300
15	5150	11300	17500	21200	12100	20200	23100	15800	13700	5540	5450	5210
16	5980	10400	17700	19900	12100	20100	22300	14800	12800	5450	5880	5150
17	7830	9550	17900	18800	12000	19800	21400	13900	11700	5420	6170	5130
18	8430	10900	18200	17700	11900	19500	20600	13000	10700	5310	6210	5080
19	11300	16900	18800	16600	12000	19100	19800	12200	10000	5250	6040	5030
20	13900	17500	18900	15500	12100	18500	19100	11600	10900	5250	5870	5010
21	22100	16600	25500	14500	12200	18100	18500	11000	12400	5240	5710	4990
22	25000	16000	57600	13600	12700	18300	17900	12100	13700	5270	5580	4960
23	23200	15500	66100	12900	15900	18500	19500	14900	14200	5390	5570	4950
24	21500	14800	51200	12500	28000	18200	25500	16600	13700	5270	5660	4910
25	21400	13900	47200	12300	39100	17700	24200	17600	12800	5220	5750	4920
26	23100	13200	51100	12100	37800	17000	22200	18000	12000	5280	5810	5040
27	22900	26800	50900	11900	40900	16500	22000	17900	11400	5320	5780	5060
28	22300	50600	47600	11900	48900	16100	23600	17400	10600	5290	5670	5010
29	22000	44500	43500	11800	---	15700	23200	17300	9750	5280	5570	4930
30	21300	34200	41200	11700	---	17400	22300	17200	8980	5240	5490	4870
31	20600	---	40000	11700	---	50200	---	16300	---	5230	5420	---
TOTAL	358680	575250	968900	759700	459900	746700	911400	572400	368970	187580	173740	156240
MEAN	11570	19180	31250	24510	16430	24090	30380	18460	12300	6051	5605	5208
MAX	25000	50600	66100	51300	48900	50200	63200	26200	15100	8430	6210	6380
MIN	3760	9550	17300	11700	10000	15700	17900	11000	8980	5220	5250	4870
AC-FT	711400	1141000	1922000	1507000	912200	1481000	1808000	1135000	731900	372100	344600	309900

CAL YR 1984	TOTAL	4255150	MEAN	11630	MAX	66100	MIN	2720	AC-FT	8440000
WTR YR 1985	TOTAL	6239460	MEAN	17090	MAX	66100	MIN	3760	AC-FT	12376000

07072500 BLACK RIVER AT BLACK ROCK, ARK.--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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (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, 1984										
05...	1300	80513	80010	19900	194	7.7	13.5	7.2	69	768
JAN, 1985										
07...	1315	80513	80010	40300	170	7.6	4.5	10.9	84	760
MAR										
04...	0930	80513	80010	35500	186	7.6	11.0	8.9	82	752
APR										
23...	0830	80513	80010	18800	243	8.0	19.5	7.2	79	754
JUN										
10...	1045	80513	80010	14800	206	7.7	21.5	6.6	75	756
AUG										
01...	1030	80513	80010	4960	262	7.6	25.0	5.5	67	753

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 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, 1984										
05...	1300	560	K2100	98	0	21	11	1.2	3	.0
JAN, 1985										
07...	1315	540	940	88	0	19	9.9	1.3	3	.0
MAR										
04...	0930	K23	K1900	89	4	19	10	1.4	3	.0
APR										
23...	0830	K1800	K4400	130	0	27	16	1.7	--	.0
JUN										
10...	1045	K840	K2000	100	3	22	12	1.1	2	.0
AUG										
01...	1030	11	480	150	0	32	18	2.1	3	.0

DATE	TIME	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)	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)
NOV, 1984										
05...	1300	1.8	100	5.7	2.1	<.10	.27	--	.030	<.010
JAN, 1985										
07...	1315	1.2	88	5.2	2.2	<.10	--	.32	<.010	.010
MAR										
04...	0930	1.1	85	5.3	3.3	<.10	.28	.31	.020	.010
APR										
23...	0830	<.10	136	6.4	3.4	<.10	--	--	<.010	<.010
JUN										
10...	1045	1.3	101	5.3	3.3	<.10	.29	--	.010	<.010
AUG										
01...	1030	1.2	156	4.5	2.8	<.10	--	--	<.010	<.010

07072500 BLACK RIVER AT BLACK ROCK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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, 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)
NOV, 1984										
05...	1300	.30	.31	.080	.120	.42	.58	.50	--	.70
JAN, 1985										
07...	1315	.30	.33	.110	.080	.29	.22	.40	--	.30
MAR										
04...	0930	.30	.32	.090	.090	.71	.31	.80	--	.40
APR										
23...	0830	.20	.24	.060	.030	.44	.27	.50	--	.30
JUN										
10...	1045	.30	.20	.110	.030	.49	--	.60	--	--
AUG										
01...	1030	.30	.27	<.010	.040	--	.46	.30	.00	.50

DATE	TIME	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN DISSOLVED (MG/L AS N) (00602)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	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, 1984										
05...	1300	.80	--	.100	.130	2000	<1	30	1	4
JAN, 1985										
07...	1315	.70	--	.040	.040	--	--	<20	--	--
MAR										
04...	0930	1.1	--	.050	<.010	--	--	<20	--	--
APR										
23...	0830	.70	--	.040	<.010	500	<1	<20	<1	<1
JUN										
10...	1045	.90	--	.030	.010	--	--	<20	--	--
AUG										
01...	1030	.60	.77	<.010	<.010	--	--	<20	--	--

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, 1984										
05...	1300	1	2	1900	3	150	<.1	6	<1	20
APR, 1985										
23...	0830	1	3	1000	2	90	<.1	2	<1	20

07074000 STRAWBERRY RIVER NEAR POUGHKEEPSIE, ARK.

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 250 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 above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark.) Prior to Dec. 10, 1938, nonrecording gage at present site and datum. Prior to Jan. 11, 1983, recording gage 250 ft downstream at present datum.

REMARKS.--No estimated daily discharges. Records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--49 years, 506 ft^3/s, 14.53 in/yr, 366,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 158,000 ft^3/s Dec. 3, 1982, gage height, 35.9 ft, from flood-mark, 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 discharges greater than base discharge of 7,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 20	2215	10,500	16.28	Feb. 23	2300	7,260	13.45
Nov. 27	0330	*25,900	*22.40	Mar. 30	2230	18,900	20.04
Dec. 21	1600	10,700	16.45	Apr. 23	2230	9,210	15.33
Jan. 1	0145	10,900	16.57				

Minimum discharge, 90 ft^3/s Sept. 3, 4, gage height, 1.75 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	1860	1160	7560	390	917	3170	1600	331	162	102	97
2	100	2500	970	2540	379	861	1770	1260	287	157	100	93
3	98	1390	828	1830	358	767	1390	977	259	152	98	91
4	95	1050	717	1520	358	778	1160	815	243	150	96	98
5	97	847	678	1320	361	935	1020	709	231	146	96	112
6	143	701	640	1190	352	768	923	628	303	143	133	113
7	139	613	570	1090	337	683	797	574	460	141	263	102
8	124	554	556	1000	318	637	692	548	298	136	176	99
9	155	510	576	893	309	612	610	503	256	133	128	99
10	452	474	586	834	318	603	558	463	232	130	114	107
11	1780	469	542	788	511	582	542	435	218	128	119	789
12	706	417	514	692	609	548	530	416	208	125	193	249
13	515	386	513	609	524	517	498	388	198	123	138	197
14	497	361	792	569	546	605	635	362	192	120	117	167
15	620	353	1020	540	548	622	682	338	188	119	110	147
16	1110	342	870	522	511	545	579	317	184	983	125	135
17	1050	331	749	534	492	511	519	301	190	223	165	126
18	625	2390	752	530	486	480	481	289	241	181	141	119
19	1270	3280	915	533	540	455	450	279	236	151	120	115
20	3500	1360	1030	497	543	437	425	267	220	132	113	111
21	6770	970	7190	483	505	465	403	264	191	123	108	109
22	1770	784	7610	451	516	554	443	434	196	118	104	107
23	1150	673	2170	426	3020	542	5200	317	271	115	111	105
24	892	595	1570	421	5890	488	5400	293	229	112	135	105
25	4640	539	1230	413	2150	451	1820	263	211	110	202	111
26	2660	1200	1020	390	1490	425	1310	248	212	134	175	123
27	1380	18900	904	380	1200	431	2300	245	197	131	137	116
28	1280	5260	812	390	1000	433	2890	298	183	122	121	111
29	1360	2010	740	388	---	416	1550	627	175	111	111	109
30	979	1480	1620	388	---	6830	1270	541	168	109	105	109
31	831	---	2630	397	---	11600	---	460	---	104	101	---
TOTAL	36890	52599	42474	30118	24561	35498	40017	15459	7008	5024	4057	4271
MEAN	1190	1753	1370	972	877	1145	1334	499	234	162	131	142
MAX	6770	18900	7610	7560	5890	11600	5400	1600	460	983	263	789
MIN	95	331	513	380	309	416	403	245	168	104	96	91
CFSM	2.52	3.71	2.90	2.05	1.85	2.42	2.82	1.05	.49	.34	.28	.30
IN.	2.90	4.14	3.34	2.37	1.93	2.79	3.15	1.22	.55	.40	.32	.34
AC-FT	73170	104300	84250	59740	48720	70410	79370	30660	13900	9970	8050	8470

CAL YR 1984	TOTAL	245257	MEAN	670	MAX	18900	MIN	56	CFSM	1.42	IN.	19.29	AC-FT	486500
WTR YR 1985	TOTAL	297976	MEAN	816	MAX	18900	MIN	91	CFSM	1.73	IN.	23.43	AC-FT	591000

07074100 STRAWBERRY RIVER NEAR SMITHVILLE, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
23...	1145	9827	9827	1310	7.8	12.0	9.0	12.0	700
NOV									
20...	1130	9827	9827	1550	7.8	10.0	10.8	10.0	1600
DEC									
18...	1115	9827	9827	857	7.9	13.0	9.6	11.0	460
JAN, 1985									
29...	1200	9827	9827	442	8.5	7.0	12.6	5.0	K40
FEB									
26...	1125	9827	9827	1700	7.8	10.0	10.5	15.0	K160
MAR									
26...	1045	9827	9827	484	8.2	13.0	11.0	17.0	--
APR									
23...	1100	9827	9827	5930	7.8	18.0	7.7	23.0	1200
MAY									
21...	1145	9827	9827	301	8.2	19.0	8.1	26.0	K40
JUN									
18...	1100	9827	9827	275	8.1	25.0	7.2	34.0	>600
JUL									
23...	1100	9827	9827	131	8.2	25.0	--	30.0	120
AUG									
20...	1150	9827	9827	129	8.2	22.0	8.4	27.0	K130
SEP									
24...	1045	9827	9827	120	8.2	20.0	8.2	19.0	K32

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
23...	1145	--	40	140	--	3.0	183	--	.89
NOV									
20...	1130	1.2	40	120	9.0	2.5	153	50	.46
DEC									
18...	1115	.9	9.0	170	8.0	2.5	202	16	.53
JAN, 1985									
29...	1200	.3	--	200	6.0	6.0	196	7	.60
FEB									
26...	1125	.7	45	140	--	5.5	189	72	.54
MAR									
26...	1045	.6	2.0	200	9.0	2.5	198	4	.25
APR									
23...	1100	3.9	120	98	8.0	2.5	154	300	.22
MAY									
21...	1145	.6	3.0	210	2.0	4.0	213	4	.24
JUN									
18...	1100	1.1	15	200	4.0	3.5	217	--	.25
JUL									
23...	1100	1.9	15	190	2.0	4.0	201	24	.06
AUG									
20...	1150	1.9	20	190	5.0	2.5	206	28	--
SEP									
24...	1045	.8	5.0	210	4.0	2.5	205	18	.08

07074100 STRAWBERRY RIVER NEAR SMITHVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
23...	1145	.040	.090	.030	<1	2	<10	--	--
NOV									
20...	1130	.010	.080	.040	<1	7	11	4	--
DEC									
18...	1115	.020	.040	.010	1	2	<10	8	30
JAN, 1985									
29...	1200	.010	--	<.010	<1	1	12	--	20
FEB									
26...	1125	.010	.090	.010	<1	13	32	65	110
MAR									
26...	1045	<.010	.020	.010	<1	2	9	18	20
APR									
23...	1100	.050	.240	.080	<1	5	17	--	30
MAY									
21...	1145	.010	.020	.010	<1	<1	<15	8	20
JUN									
18...	1100	.020	.060	.030	<1	1	22	11	10
JUL									
23...	1100	.010	.050	.020	<1	5	19	8	20
AUG									
20...	1150	--	.040	.030	<1	1	<15	5	--
SEP									
24...	1045	.050	.050	.010	<1	1	<15	9	--

07074491 WHITE RIVER AT JACKSONPORT, ARK.

LOCATION.--Lat 35°38'22", long 91°18'55", in SW 1/4 SE 1/4 sec.28, T.12 N., R.3 W., Jackson County, Hydrologic Unit 11010000, at right bank, 0.4 mi downstream from confluence of Black River and 0.2 mi from city limits of Jacksonport, Ark.

DRAINAGE AREA.--19,842 mi^2.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
23...	1515	9827	9827	47400	7.5	14.0	7.3	15.0	580
NOV									
20...	1500	9827	9827	44400	7.7	12.0	10.6	14.0	K1000
DEC									
18...	1515	9827	9827	37600	7.7	12.0	8.1	10.0	K100
JAN, 1985									
29...	1615	9827	9827	56600	8.2	14.0	11.8	12.0	K12
FEB									
26...	1500	9827	9827	90800	7.7	12.0	9.4	20.0	K180
MAR									
26...	1500	9827	9827	59800	8.0	12.0	10.9	25.0	--
APR									
23...	1513	9827	9827	63600	7.8	16.0	7.4	25.0	100
MAY									
21...	1425	9827	9827	22900	8.1	21.0	8.0	32.0	--
JUN									
18...	1530	9827	9827	31200	8.0	18.0	9.3	30.0	310
JUL									
23...	1500	9827	9827	24500	8.1	23.0	--	37.0	K32
AUG									
20...	1515	9827	9827	25000	8.1	22.0	9.5	33.0	K30
SEP									
24...	1515	9827	9827	18000	8.1	19.0	9.5	24.0	K56

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
23...	1515	1.5	60	92	--	3.0	144	--	.32
NOV									
20...	1500	1.5	45	130	6.0	4.5	163	58	.40
DEC									
18...	1515	1.3	30	120	7.0	3.5	158	22	.30
JAN, 1985									
29...	1615	.7	--	140	8.0	7.5	146	32	.38
FEB									
26...	1500	2.0	30	120	--	2.5	131	25	.19
MAR									
26...	1500	2.1	10	120	10	2.5	140	13	.14
APR									
23...	1513	1.9	25	110	7.0	2.5	126	22	.11
MAY									
21...	1425	1.1	25	140	3.0	3.5	150	52	.26
JUN									
18...	1530	1.7	20	130	5.0	3.5	158	--	.41
JUL									
23...	1500	1.2	7.0	130	5.0	5.0	146	23	.45
AUG									
20...	1515	1.1	2.0	130	7.0	5.0	158	22	--
SEP									
24...	1515	1.7	8.0	130	7.0	4.0	149	23	.40

07074491 WHITE RIVER AT JACKSONPORT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
23...	1515	.070	.130	.070	<1	3	<10	--	--
NOV									
20...	1500	.010	.110	.060	<1	3	15	<10	--
DEC									
18...	1515	.060	.080	.050	<1	2	<10	5	30
JAN, 1985									
29...	1615	.020	--	.010	<1	2	12	--	30
FEB									
26...	1500	.010	.080	.010	<1	<1	23	8	20
MAR									
26...	1500	<.010	.040	.030	<1	<1	<15	2	10
APR									
23...	1513	.040	.100	.030	<1	<1	<15	--	<10
MAY									
21...	1425	.020	.030	.030	<1	1	<15	5	20
JUN									
18...	1530	.010	.070	.020	<1	<1	<15	5	10
JUL									
23...	1500	<.010	.040	.020	<1	1	<15	7	10
AUG									
20...	1515	--	.040	.030	<1	<1	<15	3	--
SEP									
24...	1515	.030	.060	.030	<1	<1	<15	6	--

07074500 WHITE RIVER AT NEWPORT, ARK.

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 above 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.--No estimated daily discharges. Water-discharge 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. Satellite telemeter at station.

AVERAGE DISCHARGE.--52 years, 22,800 ft^3/s, 16,520,000 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, 94,200 ft^3/s Feb. 26, gage height, 28.25 ft; minimum, 7,370 ft^3/s Oct. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11800	39600	59700	75200	55500	69900	82900	57000	28500	24600	25100	20300
2	13700	42200	60100	76400	54900	69600	92400	53400	27900	23800	24600	20100
3	11300	41200	56500	76700	54300	72500	91200	49400	27300	23300	24900	19900
4	11100	41100	52100	76200	53700	73900	85100	45700	25700	23800	24600	19900
5	9560	40200	48900	73600	53200	72900	79300	43300	24500	24000	24600	20500
6	10300	37800	46500	69800	52400	67700	76600	41600	23600	25100	25100	16800
7	10400	35600	43900	67100	51400	65700	75400	41300	23600	25800	25000	17900
8	8590	33600	43000	65300	51000	64500	74000	42700	24600	26000	24200	19400
9	7610	31700	42200	64900	50500	64500	72000	43500	26400	26700	24700	19200
10	10700	30000	41000	65200	50100	64100	68300	40800	27100	26400	25000	19900
11	14800	28300	40700	65900	50000	63400	64700	39300	27800	26100	25100	20000
12	14400	26600	41400	65700	50200	62200	61500	39500	28000	25200	25000	20400
13	13700	24700	41900	65000	51200	61700	59600	39400	27200	25000	25400	20800
14	15500	22600	43400	64300	51700	62000	58900	39100	26300	25100	25300	20300
15	15000	21300	44800	63900	51500	62000	59700	36900	26700	25200	24200	21100
16	14000	21000	44400	64000	52100	61700	60400	32900	28400	25400	23900	17400
17	19600	21400	41100	64000	53000	61300	61400	30700	29700	26100	25000	14800
18	23700	23900	38200	62400	53400	60900	62000	28800	30700	25900	25700	18500
19	25300	35700	41600	60900	54000	60400	62400	26400	28900	26000	25200	17300
20	27400	43500	45900	60000	54400	60300	62400	24700	26300	25000	25100	19800
21	40100	44800	52400	60800	54600	60400	62000	23400	24700	24900	25200	19200
22	46300	40100	64100	60300	54900	59600	61400	26000	24800	24800	24500	18500
23	47400	35300	75500	59800	56000	59600	63000	27200	25800	24800	24800	16100
24	45500	31600	80300	59200	65200	60700	68600	25600	25400	25100	25000	17300
25	43900	29200	84000	58400	84800	60700	65500	25600	26000	25200	25100	18800
26	47200	28200	83500	57500	91200	59700	58000	25800	26400	25600	24500	15300
27	51900	39900	79500	57100	79600	58500	57200	26100	26000	26100	24600	13500
28	52500	55600	76000	56900	73300	57800	59700	26700	25000	26400	25100	15600
29	48300	55300	74400	56600	---	57800	57300	27000	24300	26200	25200	13500
30	44400	56000	72700	56300	---	58400	56700	29600	24300	26100	24700	10900
31	41200	---	72900	56100	---	66900	---	29800	---	25700	21900	---
TOTAL	797160	1058000	1732600	1985500	1608100	1961300	2019600	1089200	791900	785400	768300	543000
MEAN	25710	35270	55890	64050	57430	63270	67320	35140	26400	25340	24780	18100
MAX	52500	56000	84000	76700	91200	73900	92400	57000	30700	26700	25700	21100
MIN	7610	21000	38200	56100	50000	57800	56700	23400	23600	23300	21900	10900
AC-FT	1581000	2099000	3437000	3938000	3190000	3890000	4006000	2160000	1571000	1558000	1524000	1077000

CAL YR 1984	TOTAL	9753410	MEAN	26650	MAX	84000	MIN	6230	AC-FT	19346000
WTR YR 1985	TOTAL	15140060	MEAN	41480	MAX	92400	MIN	7610	AC-FT	30030000

07074500 WHITE RIVER AT NEWPORT, ARK.--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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV, 1984											
30...	1100	80513	80010	55900	154	7.7	9.5	70	8.4	74	756
JAN, 1985											
08...	0940	80513	80010	64800	270	8.0	5.0	18	9.6	75	766
MAR											
12...	1110	80513	80010	66400	239	8.2	10.0	15	10.8	95	765
MAY											
31...	1000	80513	80010	29500	222	8.0	21.0	3.5	7.7	86	764
JUL											
01...	1100	80513	80010	25000	255	8.2	20.5	20	8.5	94	764
AUG											
26...	1300	80513	80010	24800	269	8.1	17.0	9.3	9.4	97	763

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 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)
NOV, 1984											
30...	1100	920	K6900	110	33	30	7.4	1.5	3	.0	1.9
JAN, 1985											
08...	0940	89	1300	100	0	24	10	1.4	3	.0	1.3
MAR											
12...	1110	K16	550	120	90	29	11	1.9	3	.0	1.2
MAY											
31...	1000	67	290	110	0	27	11	2.8	5	.1	.60
JUL											
01...	1100	K18	170	130	3	30	14	2.4	4	.0	.60
AUG											
26...	1300	26	40	130	6	34	12	2.4	4	.0	1.4

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
NOV, 1984										
30...	1100	73	5.0	2.5	<.10	2.7	91	95	.12	.31
JAN, 1985										
08...	0940	109	5.8	2.5	<.10	6.1	123	120	.17	.24
MAR										
12...	1110	28	10	4.2	<.10	4.7	129	79	.18	.24
MAY										
31...	1000	112	4.8	.70	.10	5.0	132	120	.18	.23
JUL										
01...	1100	130	6.2	3.5	<.10	5.9	159	140	.22	.25
AUG										
26...	1300	129	6.5	4.3	<.10	5.9	151	140	.21	.53

07074500 WHITE RIVER AT NEWPORT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	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)
NOV, 1984										
30...	1100	.110	.90	.180	.020	.020	--	--	--	--
JAN, 1985										
08...	0940	.010	.30	.050	.030	<.010	50	<1	30	<.5
MAR										
12...	1110	<.010	1.1	<.010	<.010	.010	10	<1	32	<.5
MAY										
31...	1000	.040	.30	.070	.050	.020	20	<1	110	2.2
JUL										
01...	1100	.020	.30	.030	.020	<.010	--	--	--	--
AUG										
26...	1300	.010	.90	.070	.050	<.010	20	<1	34	<.5

DATE	TIME	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)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)
JAN, 1985										
08...	0940	<1	2	<3	<1	62	1	<4	13	<.1
MAR										
12...	1110	<1	<1	<3	1	32	2	18	18	.3
MAY										
31...	1000	<1	6	<3	5	41	1	6	5	<.1
AUG										
26...	1300	<1	<1	<3	2	7	1	<4	2	.1

DATE	TIME	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)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV, 1984										
30...	1100	--	--	--	--	--	--	86	13000	96
JAN, 1985										
08...	0940	<10	<1	<1	<1	26	8	19	3320	94
MAR										
12...	1110	<10	<1	<1	<1	31	7	40	7170	84
MAY										
31...	1000	<10	3	<1	<1	32	100	60	4780	77
JUL										
01...	1100	--	--	--	--	--	--	71	4790	70
AUG										
26...	1300	<10	1	<1	<1	35	4	43	2880	67

07074990 MIDDLE FORK LITTLE RED RIVER NEAR SHIRLEY, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984										
09...	1600	9827	9827	332	7.3	19.0	9.1	23.0	K20	1.0
NOV										
06...	1500	9827	9827	632	7.7	14.0	10.4	18.0	K12	.6
DEC										
04...	1500	9827	9827	470	7.4	7.0	11.8	1.0	K12	1.2
JAN, 1985										
15...	1600	9827	9827	--	7.3	6.0	13.4	4.0	K8	.8
FEB										
12...	1615	9827	9827	--	7.5	3.0	14.4	4.0	<4	1.5
MAR										
19...	1600	9827	9827	208	7.5	13.0	10.7	19.0	--	1.0
APR										
09...	1600	9827	9827	364	7.8	15.0	11.2	17.0	K8	1.2
MAY										
07...	1645	9827	9827	303	7.7	20.0	9.1	21.0	K890	1.0
JUN										
04...	1600	9827	9827	45	7.7	28.0	7.7	37.0	<4	.5
JUL										
09...	1600	9827	9827	6.7	7.7	30.0	7.4	38.0	<4	.3
AUG										
06...	1030	9827	9827	16	7.7	27.0	7.8	25.0	K20	1.7
SEP										
10...	1530	9827	9827	48	7.5	29.0	10.2	36.0	K8	3.1

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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)
OCT, 1984										
09...	1600	7.0	--	10	2.5	62	7	.04	--	.030
NOV										
06...	1500	6.2	34	--	2.5	64	3	.10	--	--
DEC										
04...	1500	6.0	32	8.0	5.0	52	4	.11	--	.030
JAN, 1985										
15...	1600	6.0	32	8.0	3.0	56	4	.07	<.010	.020
FEB										
12...	1615	--	54	12	3.5	60	4	.03	.020	.020
MAR										
19...	1600	4.0	44	9.0	2.0	64	4	.03	--	--
APR										
09...	1600	6.2	42	10	2.0	57	4	.04	<.010	.030
MAY										
07...	1645	6.0	40	9.0	2.5	53	4	.06	.010	.040
JUN										
04...	1600	2.0	48	--	2.0	56	2	.02	<.100	--
JUL										
09...	1600	2.0	58	8.0	2.5	73	4	.06	.020	.010
AUG										
06...	1030	3.0	50	10	3.0	71	4	.03	<.010	.030
SEP										
10...	1530	5.0	44	7.0	3.0	48	6	.02	<.010	.040

07074990 MIDDLE FORK LITTLE RED RIVER NEAR SHIRLEY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1984									
09...	1600	--	--	3	1	47	11	--	50
NOV									
06...	1500	.020	<5	2	<1	16	5	<5	20
DEC									
04...	1500	.010	--	2	<1	25	6	--	30
JAN, 1985									
15...	1600	<.010	<5	<1	<1	16	--	<5	--
FEB									
12...	1615	.010	--	<1	<1	41	20	--	20
MAR									
19...	1600	.020	--	<1	<1	28	13	--	70
APR									
09...	1600	.020	1	1	<1	16	11	<1	--
MAY									
07...	1645	.020	--	1	<1	17	2	--	20
JUN									
04...	1600	.010	--	<1	<1	<15	1	--	10
JUL									
09...	1600	<.010	<1	1	<1	--	1	<1	--
AUG									
06...	1030	.020	--	<1	<1	<15	<1	--	20
SEP									
10...	1530	.030	--	<1	<1	61	<1	--	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)
SEP, 1985									
10...	1530	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07075300 SOUTH FORK LITTLE RED RIVER AT CLINTON, ARK.

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 above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1966, nonrecording gage at present site and datum.

REMARKS.--Estimated daily discharges: Nov. 2-8. Records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--24 years, 243 ft^3/s, 22.30 in/yr, 176,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 67,900 ft^3/s Dec. 3, 1982, gage height, 34.27 ft, from flood-marks, 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 discharges greater than base discharge 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)
Oct. 15	0630	6,030	15.18	Oct. 25	0545	*6,180	*15.29
Oct. 20	1730	5,020	14.39	Sept. 4	1600	5,570	14.82

no flow at times.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	744	410	1250	119	466	1210	595	56	4.3	.57	.00
2	3.3	1000	342	636	114	421	810	481	50	3.6	.44	.00
3	5.3	820	285	481	109	376	636	400	44	3.7	.24	.00
4	8.0	680	240	403	114	391	517	340	39	3.7	.03	1960
5	12	560	245	340	113	397	445	299	35	3.6	.05	399
6	33	470	240	305	114	358	394	264	38	3.0	.14	175
7	71	390	202	270	110	342	345	234	35	2.6	.22	114
8	68	332	200	238	106	325	318	229	29	2.4	.04	88
9	73	302	202	212	104	310	290	204	25	2.4	.00	69
10	313	279	196	252	107	292	278	181	21	2.2	.03	255
11	271	262	182	228	140	275	272	168	19	1.7	.47	169
12	249	257	178	202	158	245	268	158	18	2.1	.69	119
13	423	251	176	192	158	248	252	148	15	2.0	.42	91
14	383	244	400	188	168	250	382	140	13	1.8	.14	70
15	2660	354	712	176	176	238	352	131	12	1.3	.01	56
16	826	391	499	172	178	220	318	122	11	1.1	.00	44
17	787	350	400	172	176	206	292	112	11	.90	.00	35
18	608	2600	424	172	172	202	270	104	9.8	.90	.00	28
19	1590	1690	732	152	182	196	258	96	8.3	.79	.00	23
20	2130	897	720	148	184	202	240	88	7.2	.63	.00	18
21	2850	607	1280	130	180	709	496	83	6.6	1.3	.00	15
22	1150	473	1270	126	320	1160	539	83	6.4	1.6	.00	13
23	793	396	788	125	3140	680	3280	81	6.8	1.2	.00	12
24	629	342	588	125	2320	520	1850	76	6.1	1.1	.00	11
25	4500	302	436	124	1300	406	950	71	5.2	.91	.00	19
26	1780	622	362	116	860	385	815	65	5.4	.52	.00	42
27	1090	2620	312	113	652	391	1270	60	4.5	5.7	.00	37
28	995	1120	280	118	520	379	1070	56	4.2	3.0	.00	32
29	796	721	255	119	---	352	716	59	3.9	1.5	.00	26
30	700	529	596	124	---	2160	632	62	4.2	.90	.00	24
31	596	---	604	119	---	2210	---	61	---	.65	.00	---
TOTAL	26394.9	20605	13756	7528	12094	15312	19765	5251	549.6	63.10	3.49	3944.00
MEAN	851	687	444	243	432	494	659	169	18.3	2.04	.11	131
MAX	4500	2620	1280	1250	3140	2210	3280	595	56	5.7	.69	1960
MIN	2.3	244	176	113	104	196	240	56	3.9	.52	.00	.00
CFSM	5.75	4.64	3.00	1.64	2.92	3.34	4.45	1.14	.12	.01	.00	.89
IN.	6.63	5.18	3.46	1.89	3.04	3.85	4.97	1.32	.14	.02	.00	.99
AC-FT	52350	40870	27290	14930	23990	30370	39200	10420	1090	125	6.9	7820

CAL YR 1984	TOTAL	129149.71	MEAN	353	MAX	4500	MIN	.00	CFSM	2.39	IN.	32.46	AC-FT 256200
WTR YR 1985	TOTAL	125266.09	MEAN	343	MAX	4500	MIN	.00	CFSM	2.32	IN.	31.49	AC-FT 248500

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT, 1984											
15...	0915	80513	80513	.00	141	44	7.1	20.5	8.4	752	3.8
15...	0916	80513	80513	10.0	141	44	7.2	20.0	8.4	752	--
15...	0918	80513	80513	20.0	141	44	7.2	20.5	8.2	752	--
15...	0920	80513	80513	30.0	141	44	7.1	20.0	7.8	752	--
15...	0922	80513	80513	40.0	141	44	6.9	19.5	6.6	752	--
15...	0924	80513	80513	45.0	141	46	6.7	18.5	6.0	752	--
15...	0926	80513	80513	50.0	141	46	6.6	17.5	5.8	752	--
15...	0928	80513	80513	55.0	141	46	6.6	16.5	5.4	752	--
15...	0930	80513	80513	57.0	141	46	6.6	15.5	5.4	752	--
15...	0932	80513	80513	60.0	141	46	6.6	15.0	5.4	752	--
15...	0934	80513	80513	65.0	141	46	6.6	14.0	5.4	752	--
15...	0936	80513	80513	70.0	141	46	6.7	13.5	6.2	752	--
15...	0938	80513	80513	80.0	141	46	6.7	12.5	6.2	752	--
15...	0940	80513	80513	90.0	141	46	6.8	12.0	6.0	752	--
15...	0942	80513	80513	100	141	48	6.8	11.0	6.0	752	--
15...	0944	80513	80513	110	141	48	6.7	10.0	5.4	752	--
15...	0946	80513	80513	120	141	48	6.7	10.0	4.6	752	--
15...	0948	80513	80513	130	141	48	6.6	9.5	3.8	752	--
15...	0949	80513	80513	140	141	50	6.6	9.5	3.2	752	--
15...	0950	80513	80513	141	141	50	6.6	9.5	3.2	752	--
NOV											
05...	0930	80513	80513	.00	158	40	7.3	16.0	8.6	761	3.6
05...	0932	80513	80513	10.0	158	40	7.3	16.0	8.5	761	--
05...	0934	80513	80513	20.0	158	40	7.3	16.0	8.4	761	--
05...	0936	80513	80513	30.0	158	40	7.2	16.0	8.3	761	--
05...	0938	80513	80513	40.0	158	40	7.2	16.0	8.2	761	--
05...	0940	80513	80513	50.0	158	38	7.0	15.5	6.9	761	--
05...	0942	80513	80513	60.0	158	42	6.7	14.5	5.5	761	--
05...	0944	80513	80010	65.0	158	42	6.7	13.5	5.3	761	--
05...	0950	80513	80513	90.0	158	42	76.7	11.0	5.5	761	--
05...	0952	80513	80513	100	158	42	6.7	10.0	5.8	761	--
05...	0954	80513	80513	110	158	42	6.7	9.5	5.9	761	--
05...	0956	80513	80513	120	158	44	6.7	8.5	5.5	761	--
05...	0958	80513	80513	130	158	44	6.6	8.0	4.7	761	--
05...	1000	80513	80513	140	158	46	6.6	8.0	4.0	761	--
05...	1002	80513	80513	150	158	48	6.5	7.5	3.4	761	--
05...	1004	80513	80513	158	158	48	6.5	7.5	2.9	761	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
DEC								
04...	0815	80513	80513	.00	166	40	6.8	11.5
04...	0816	80513	80010	3.00	166	40	6.8	11.5
04...	0818	80513	80513	10.0	166	40	6.7	11.5
04...	0820	80513	80513	20.0	166	38	6.7	11.5
04...	0825	80513	80010	25.0	166	38	6.7	11.5
04...	0828	80513	80513	30.0	166	38	6.6	11.5
04...	0830	80513	80513	40.0	166	38	6.6	11.5
04...	0832	80513	80513	50.0	166	38	6.6	11.5
04...	0834	80513	80513	60.0	166	38	6.6	11.5
04...	0836	80513	80513	70.0	166	38	6.6	11.5
04...	0840	80513	80513	80.0	166	38	6.5	11.5
04...	0844	80513	80513	90.0	166	40	6.5	11.5
04...	0845	80513	80010	100	166	42	6.4	11.0
04...	0852	80513	80513	120	166	42	6.3	9.5
04...	0854	80513	80513	130	166	42	6.2	9.0
04...	0856	80513	80513	140	166	44	6.2	8.5
04...	0858	80513	80513	150	166	46	6.1	8.5
04...	0900	80513	80513	160	166	46	6.1	8.5
04...	0905	80513	80513	166	166	46	6.1	8.0

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC								
04...	0815	9.4	776	3.7	6	--	--	--
04...	0825	8.5	776	--	--	<1	.50	.7
04...	0845	6.3	776	--	--	<1	1.0	.4

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
DEC								
04...	0816	--	--	--	--	--	.400	<.100
04...	0825	15	14	.10	<.010	<.010	--	--
04...	0845	18	15	.20	<.010	<.010	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JAN, 1985											
07...	1030	80513	80513	.00	169	40	7.2	9.5	9.2	764	4.3
07...	1032	80513	80513	10.0	169	40	7.0	9.0	7.9	764	--
07...	1034	80513	80513	20.0	169	40	7.0	9.0	7.2	764	--
07...	1036	80513	80513	30.0	169	40	7.0	9.0	7.0	764	--
07...	1038	80513	80513	40.0	169	40	7.0	9.0	6.8	764	--
07...	1040	80513	80513	50.0	169	40	6.9	9.0	6.8	764	--
07...	1042	80513	80513	60.0	169	40	6.9	9.0	6.8	764	--
07...	1044	80513	80513	70.0	169	40	6.9	9.0	6.8	764	--
07...	1046	80513	80513	80.0	169	40	6.9	9.0	7.0	764	--
07...	1048	80513	80513	90.0	169	40	6.9	9.0	7.2	764	--
07...	1050	80513	80513	100	169	40	6.9	9.0	7.3	764	--
07...	1052	80513	80513	110	169	40	6.9	9.0	7.6	764	--
07...	1054	80513	80513	120	169	40	6.9	9.0	7.6	764	--
07...	1056	80513	80513	130	169	40	6.8	9.0	7.5	764	--
07...	1058	80513	80513	140	169	40	6.8	9.0	7.5	764	--
07...	1100	80513	80513	150	169	42	6.8	9.0	7.5	764	--
07...	1102	80513	80513	160	169	48	6.7	9.0	2.1	764	--
07...	1105	80513	80513	169	169	54	6.6	8.5	.8	764	--
FEB											
07...	1300	80513	80513	.00	159	38	7.5	5.5	14.4	778	3.00
07...	1302	80513	80513	10.0	159	38	7.5	5.0	14.0	778	--
07...	1304	80513	80513	20.0	159	38	7.5	5.0	14.0	778	--
07...	1306	80513	80513	30.0	159	38	7.5	5.0	13.6	778	--
07...	1308	80513	80513	40.0	159	38	7.5	5.0	13.4	778	--
07...	1310	80513	80513	50.0	159	38	7.5	5.0	13.4	778	--
07...	1312	80513	80513	60.0	159	38	7.5	5.0	13.4	778	--
07...	1314	80513	80513	70.0	159	38	7.5	5.0	13.2	778	--
07...	1316	80513	80513	80.0	159	38	7.5	5.0	13.2	778	--
07...	1318	80513	80513	90.0	159	38	7.4	5.0	13.0	778	--
07...	1320	80513	80513	100	159	38	7.4	5.0	12.8	778	--
07...	1322	80513	80513	110	159	38	7.4	5.0	12.8	778	--
07...	1324	80513	80513	120	159	38	7.4	5.0	12.8	778	--
07...	1326	80513	80513	130	159	38	7.4	5.0	12.6	778	--
07...	1328	80513	80513	140	159	38	7.4	5.0	12.6	778	--
07...	1330	80513	80513	150	159	38	7.4	5.0	12.4	778	--
07...	1335	80513	80513	159	159	38	7.3	5.0	12.2	778	--

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
MAR											
08...	0900	80513	80513	.00	157	38	7.2	8.5	12.6	766	2.90
08...	0902	80513	80513	10.0	157	38	7.2	8.0	12.6	766	--
08...	0904	80513	80513	20.0	157	38	7.2	7.5	12.6	766	--
08...	0906	80513	80513	30.0	157	38	7.1	7.0	12.6	766	--
08...	0908	80513	80513	40.0	157	38	7.0	6.5	12.4	766	--
08...	0910	80513	80513	50.0	157	38	7.0	6.0	12.4	766	--
08...	0912	80513	80513	60.0	157	38	6.9	6.0	12.4	766	--
08...	0914	80513	80513	70.0	157	38	6.9	5.5	12.2	766	--
08...	0916	80513	80513	80.0	157	38	6.9	5.5	12.2	766	--
08...	0918	80513	80513	90.0	157	38	6.9	5.5	12.2	766	--
08...	0920	80513	80513	100	157	38	6.9	5.0	12.2	766	--
08...	0922	80513	80513	110	157	38	6.8	5.0	12.2	766	--
08...	0924	80513	80513	120	157	38	6.8	5.0	12.2	766	--
08...	0926	80513	80513	130	157	38	6.8	5.0	12.0	766	--
08...	0928	80513	80513	140	157	38	6.8	5.0	12.0	766	--
08...	0930	80513	80513	150	157	38	6.8	5.0	12.0	766	--
08...	0935	80513	80513	157	157	38	6.8	5.0	12.0	766	--
APR											
01...	0900	80513	80513	.00	157	30	7.3	12.0	10.8	771	2.70
01...	0902	80513	80513	10.0	157	30	7.3	12.0	10.8	771	--
01...	0904	80513	80513	20.0	157	30	7.3	12.0	10.7	771	--
01...	0906	80513	80513	30.0	157	30	7.3	12.0	10.7	771	--
01...	0908	80513	80513	40.0	157	30	7.3	12.0	10.7	771	--
01...	0910	80513	80513	50.0	157	30	7.3	11.5	10.7	771	--
01...	0912	80513	80513	60.0	157	30	7.2	10.5	10.7	771	--
01...	0914	80513	80513	63.0	157	30	7.2	9.5	10.8	771	--
01...	0916	80513	80513	67.0	157	30	7.2	8.5	10.8	771	--
01...	0918	80513	80513	70.0	157	30	7.2	8.0	10.8	771	--
01...	0920	80513	80513	80.0	157	30	7.1	7.5	10.8	771	--
01...	0922	80513	80513	90.0	157	30	7.1	7.0	10.8	771	--
01...	0924	80513	80513	100	157	30	7.1	6.5	10.8	771	--
01...	0926	80513	80513	110	157	30	7.0	6.0	10.7	771	--
01...	0928	80513	80513	120	157	30	7.0	6.0	10.7	771	--
01...	0930	80513	80513	130	157	30	7.0	5.5	10.6	771	--
01...	0932	80513	80513	140	157	30	6.9	5.5	10.6	771	--
01...	0936	80513	80513	150	157	30	6.9	5.5	10.6	771	--
01...	0940	80513	80513	157	157	30	6.9	5.5	10.6	771	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY									
02...	1200	80513	80513	.00	160	25	8.1	20.5	10.0
02...	1201	80513	80010	3.00	160	25	8.1	20.5	9.9
02...	1203	80513	80513	10.0	160	25	8.1	20.5	9.9
02...	1206	80513	80513	20.0	160	25	8.0	20.5	9.8
02...	1210	80513	80010	25.0	160	27	8.0	20.5	9.8
02...	1212	80513	80513	26.0	160	25	8.0	19.5	10.4
02...	1214	80513	80513	27.0	160	25	8.1	18.5	11.2
02...	1216	80513	80513	28.0	160	25	8.0	17.5	11.2
02...	1218	80513	80513	29.0	160	27	7.8	16.5	11.2
02...	1220	80513	80513	30.0	160	27	7.6	15.5	11.2
02...	1222	80513	80513	32.0	160	27	7.6	14.5	11.2
02...	1224	80513	80513	34.0	160	27	7.4	13.5	11.0
02...	1226	80513	80513	40.0	160	27	7.1	12.5	10.2
02...	1228	80513	80513	50.0	160	27	7.0	12.0	10.0
02...	1230	80513	80513	60.0	160	27	6.9	11.5	10.0
02...	1234	80513	80513	70.0	160	27	6.8	10.5	10.2
02...	1236	80513	80513	80.0	160	27	6.8	9.5	10.4
02...	1238	80513	80513	90.0	160	27	6.7	9.0	10.6
02...	1240	80513	80010	100	160	27	6.7	8.0	10.6
02...	1242	80513	80513	110	160	27	6.6	7.0	10.6
02...	1244	80513	80513	120	160	27	6.6	6.5	10.4
02...	1246	80513	80513	130	160	27	6.6	6.0	10.4
02...	1248	80513	80513	140	160	27	6.5	6.0	10.4
02...	1250	80513	80513	150	160	27	6.5	6.0	10.4
02...	1255	80513	80513	160	160	27	6.5	6.0	10.4

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)
MAY									
02...	1200	765	2.90	K3	--	--	--	--	--
02...	1210	765	--	--	10	1.6	.9	14	13
02...	1240	765	--	--	20	3.5	.4	16	13

DATE	TIME	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
02...	1201	1.2	<.010	.30	1.5	.010	<.010	.900	<.100
02...	1210	.20	--	--	--	<.010	<.010	--	--
02...	1240	.20	--	--	--	<.010	<.010	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUN									
03...	1000	80513	80513	.00	156	26	7.2	25.5	8.2
03...	1001	80513	80010	3.00	156	26	7.2	25.5	8.2
03...	1002	80513	80513	10.0	156	26	7.2	25.0	8.2
03...	1004	80513	80513	15.0	156	26	7.4	24.0	8.7
03...	1006	80513	80513	17.0	156	26	7.5	23.0	8.8
03...	1008	80513	80513	20.0	156	26	7.4	22.0	8.8
03...	1010	80513	80513	25.0	156	26	7.4	21.0	8.7
03...	1012	80513	80513	27.0	156	26	7.2	20.0	8.7
03...	1014	80513	80513	30.0	156	26	7.2	19.5	8.6
03...	1016	80513	80513	32.0	156	26	7.1	18.5	8.6
03...	1018	80513	80513	35.0	156	26	7.0	17.5	8.4
03...	1020	80513	80513	37.0	156	28	6.9	16.5	8.7
03...	1022	80513	80513	38.0	156	28	6.9	15.5	8.8
03...	1024	80513	80513	39.0	156	28	6.8	14.5	8.8
03...	1026	80513	80513	40.0	156	28	6.8	13.5	8.8
03...	1028	80513	80513	42.0	156	28	6.8	12.5	8.7
03...	1030	80513	80513	50.0	156	28	6.7	11.5	8.4
03...	1032	80513	80513	60.0	156	28	6.7	11.0	8.4
03...	1034	80513	80513	70.0	156	28	6.7	10.0	9.0
03...	1036	80513	80513	80.0	156	28	6.7	9.5	9.2
03...	1038	80513	80513	90.0	156	28	6.7	9.0	9.4
03...	1040	80513	80513	100	156	28	6.7	8.0	9.6
03...	1042	80513	80513	110	156	30	6.6	7.0	9.4
03...	1044	80513	80513	120	156	30	6.6	6.0	9.0
03...	1046	80513	80513	130	156	30	6.6	6.0	9.0
03...	1048	80513	80513	140	156	32	6.4	6.0	8.8
03...	1050	80513	80513	150	156	32	6.4	6.0	8.8
03...	1055	80513	80513	156	156	32	6.4	6.0	8.8

DATE	TIME	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN								
03...	1000	767	3.8	--	--	--	--	--
03...	1001	767	--	<.10	<.010	.010	.900	<.100

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL									
08...	1015	80513	80513	.00	153	40	7.0	28.0	7.4
08...	1016	80513	80010	3.00	153	39	7.0	28.0	7.4
08...	1018	80513	80513	10.0	153	39	7.0	28.0	7.4
08...	1020	80513	80513	20.0	153	38	7.0	27.0	7.6
08...	1022	80513	80513	22.0	153	37	7.0	26.0	8.0
08...	1024	80513	80513	24.0	153	37	7.2	25.0	8.7
08...	1026	80513	80513	25.0	153	37	7.4	24.0	9.0
08...	1028	80513	80513	27.0	153	37	7.2	23.0	9.0
08...	1030	80513	80513	28.0	153	36	7.1	22.0	8.9
08...	1032	80513	80513	29.0	153	36	6.9	21.0	8.6
08...	1034	80513	80513	30.0	153	36	6.7	20.0	8.3
08...	1036	80513	80513	32.0	153	36	6.6	19.0	7.9
08...	1038	80513	80513	34.0	153	36	6.5	18.0	7.7
08...	1040	80513	80513	35.0	153	35	6.5	17.0	7.8
08...	1042	80513	80513	37.0	153	35	6.5	16.0	7.7
08...	1044	80513	80513	40.0	153	35	6.5	15.5	7.7
08...	1046	80513	80513	41.0	153	34	6.4	14.0	7.7
08...	1048	80513	80513	45.0	153	34	6.4	13.0	7.5
08...	1050	80513	80513	50.0	153	34	6.4	13.0	7.3
08...	1052	80513	80513	55.0	153	34	6.4	12.0	7.2
08...	1054	80513	80513	60.0	153	34	6.4	12.0	7.3
08...	1056	80513	80513	70.0	153	32	6.4	11.0	7.6
08...	1058	80513	80513	80.0	153	32	6.4	10.0	8.0
08...	1100	80513	80513	90.0	153	32	6.4	9.0	8.2
08...	1102	80513	80513	100	153	32	6.4	8.0	8.2
08...	1104	80513	80513	110	153	32	6.4	8.0	8.0
08...	1106	80513	80513	120	153	32	6.3	7.0	7.6
08...	1108	80513	80513	130	153	32	6.3	7.0	7.4
08...	1110	80513	80513	140	153	32	6.3	7.0	7.2
08...	1112	80513	80513	150	153	32	6.3	7.0	7.1
08...	1115	80513	80513	153	153	34	6.3	7.0	7.0

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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								
08...	1015	758	3.4	--	--	--	--	--
08...	1016	758	--	.20	<.010	.010	1.90	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG									
19...	1400	80513	80513	.00	147	38	7.3	28.5	8.0
19...	1401	80513	80010	3.00	147	38	7.4	28.5	7.8
19...	1402	80513	80513	10.0	147	38	7.4	28.5	7.8
19...	1403	80513	80513	20.0	147	38	7.4	28.5	7.7
19...	1405	80513	80010	25.0	147	38	7.4	28.0	7.7
19...	1407	80513	80513	27.0	147	38	7.3	27.0	8.5
19...	1410	80513	80513	28.0	147	38	7.3	26.0	9.0
19...	1412	80513	80513	30.0	147	36	7.3	25.0	9.2
19...	1414	80513	80513	32.0	147	36	7.2	23.5	9.0
19...	1416	80513	80513	35.0	147	36	6.9	21.0	8.1
19...	1418	80513	80513	37.0	147	35	6.8	20.0	7.5
19...	1420	80513	80513	40.0	147	35	6.6	18.0	6.9
19...	1422	80513	80513	42.0	147	36	6.6	17.0	6.7
19...	1424	80513	80513	45.0	147	36	6.5	16.0	6.7
19...	1426	80513	80513	50.0	147	37	6.5	14.0	6.4
19...	1428	80513	80513	55.0	147	37	6.4	13.0	6.1
19...	1430	80513	80513	60.0	147	36	6.4	13.0	6.1
19...	1432	80513	80513	70.0	147	35	6.4	12.0	6.7
19...	1434	80513	80513	80.0	147	37	6.4	11.5	7.0
19...	1436	80513	80513	90.0	147	36	6.4	10.5	7.3
19...	1440	80513	80010	100	147	37	6.4	9.5	7.6
19...	1442	80513	80513	110	147	38	6.4	9.0	7.5
19...	1444	80513	80513	120	147	37	6.4	8.5	7.0
19...	1446	80513	80513	130	147	39	6.3	8.0	6.2
19...	1448	80513	80513	140	147	40	6.3	7.5	5.6
19...	1450	80513	80513	147	147	40	6.3	7.5	5.4

07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)
AUG								
19...	1400	758	3.6	4	--	--	--	--
19...	1405	758	--	--	10	.70	.5	14
19...	1440	758	--	--	10	2.0	.3	15

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG								
19...	1401	--	--	.020	.010	.06	1.00	<.100
19...	1405	13	<.10	.010	<.010	.03	--	--
19...	1440	12	.20	.010	<.010	.03	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP									
03...	0915	80513	80513	.00	146	44	7.0	26.5	8.0
03...	0916	80513	80010	3.00	146	44	7.0	26.5	7.9
03...	0918	80513	80513	10.0	146	43	7.0	26.5	7.9
03...	0920	80513	80513	20.0	146	43	7.0	24.5	9.0
03...	0922	80513	80513	22.0	146	41	6.9	23.5	8.8
03...	0924	80513	80513	25.0	146	42	6.8	22.5	8.1
03...	0926	80513	80513	27.0	146	41	6.7	20.5	7.4
03...	0928	80513	80513	30.0	146	42	6.5	18.5	6.3
03...	0930	80513	80513	32.0	146	42	6.4	17.5	6.0
03...	0932	80513	80513	35.0	146	42	6.4	16.5	6.0
03...	0934	80513	80513	37.0	146	41	6.4	15.5	6.0
03...	0936	80513	80513	40.0	146	43	6.3	15.0	5.6
03...	0938	80513	80513	45.0	146	41	6.3	14.0	5.4
03...	0940	80513	80513	50.0	146	42	6.3	13.0	5.6
03...	0942	80513	80513	60.0	146	41	6.2	12.0	6.0
03...	0944	80513	80513	70.0	146	41	6.3	11.5	6.5
03...	0946	80513	80513	80.0	146	42	6.3	11.0	6.9
03...	0948	80513	80513	90.0	146	42	6.3	10.5	7.1
03...	0950	80513	80513	100	146	41	6.3	9.5	7.2
03...	0952	80513	80513	110	146	42	6.3	8.5	6.5
03...	0954	80513	80513	120	146	43	6.2	8.0	5.7
03...	0956	80513	80513	130	146	45	6.2	8.0	5.2
03...	0958	80513	80513	140	146	46	6.2	8.0	4.7
03...	1000	80513	80513	146	146	44	6.1	8.0	4.6

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP									
03...	0915	751	3.7	--	--	--	--	--	--
03...	0916	751	--	<.10	.010	<.010	.03	6.20	<.100

07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (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, 1984										
15...	0830	80513	80513	3930	46	6.5	11.5	7.2	67	752
NOV										
05...	0900	80513	80513	57	46	6.8	12.0	9.6	89	761
DEC										
04...	0730	80513	80010	64	44	6.7	9.0	8.4	71	776
JAN, 1985										
07...	1000	80513	80513	6910	42	7.0	9.0	8.0	68	770
FEB										
07...	1230	80513	80513	6850	40	7.7	5.5	12.0	93	778
MAR										
08...	0830	80513	80513	5760	38	6.9	5.0	13.0	101	766
APR										
01...	0830	80513	80513	49	34	6.9	7.5	12.0	99	771
MAY										
02...	1100	80513	80010	2020	42	7.1	8.5	11.4	97	765
JUN										
03...	0930	80513	80513	59	28	7.1	11.0	13.0	117	767
JUL										
08...	0945	80513	80513	57	41	7.9	16.0	11.5	117	758
AUG										
19...	1330	80513	80010	6910	42	6.9	11.0	7.9	72	758
SEP										
03...	0845	80513	80513	59	44	6.6	13.0	9.6	92	756

DATE	TIME	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)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
DEC, 1984									
04...	0730	<1	.50	1.7	10	16	.30	.030	.020
MAY, 1985									
02...	1100	30	2.5	1.1	1	15	<.10	<.010	<.010
AUG									
19...	1330	10	1.1	1.6	K310	13	.20	.030	.010

07076620 LITTLE RED RIVER NEAR SEARCY, ARK.

LOCATION.--Lat 35°16'57", long 91°43'09", in NW 1/4 NE 1/4 sec.35, T.8 N., R.7 W., White County, Hydrologic Unit 11010014, on right bank 0.8 mi upstream from lower dam, and 1.0 mi upstream from old Highway 67 bridge, 2.0 mi north of Searcy and at mile 31.7.

DRAINAGE AREA.--1,648 mi^2.

PERIOD OF RECORD.--May 1983 to current year.

GAGE.--Water-stage recorder. Datum of gage is 171.77 ft above National Geodetic Vertical Datum of 1929. Since May 20, 1983, auxiliary water-stage recorder 6.5 mi downstream.

REMARKS.--Estimated daily discharges: Nov. 28 to Dec. 1, Dec. 6 to Jan. 31, Feb. 11-12, 23-24, Mar. 3-7 and May 7-9. Records good except for estimated daily discharges, Dec. 6 to Jan. 31, which are fair. Flow regulated since Mar. 30, 1982, by Greers Ferry Lake 47.1 mi upstream, capacity, 2,926,500 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,300 ft^3/s Nov. 27, 1984; maximum gage-height, 35.92 ft Nov. 27, 1984; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 35,300 ft^3/s Nov. 27; maximum gage height, 35.92 ft Nov. 27; no flow at times.

DISCHARGE, IN CUBIC FEET PER SECOND, OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	497	796	374	4100	10000	5290	3460	3790	1820	231	5700	2860
2	241	5520	0	3900	10200	5340	780	3400	1870	86	4740	1460
3	419	2670	0	3900	10400	5200	767	3520	1950	503	5320	2580
4	272	880	0	4100	10600	7100	3250	3420	2010	1160	5550	3280
5	168	254	0	4200	10200	2000	3330	4860	2170	771	5620	3700
6	233	271	0	4100	10200	3000	3400	4050	2730	717	5640	4980
7	275	0	1800	4200	10400	3400	3050	4500	3010	192	5610	3660
8	179	0	1700	4100	10600	3500	2650	6600	4070	728	4780	2180
9	164	0	1500	4700	10700	2940	2500	9000	5200	746	3480	960
10	258	0	1500	5400	10700	3090	2570	3540	5120	1360	5260	2830
11	1230	6	3400	5900	10000	3320	2790	3700	4960	1150	6540	3680
12	4110	23	3200	6100	9500	5330	2580	3410	4810	1850	6720	1910
13	4480	0	3200	6200	8640	5580	2680	3160	4830	2610	6310	1070
14	964	17	3200	6500	8380	4650	4980	1260	4930	423	4560	280
15	2140	169	3200	7600	8590	2860	5490	1380	5110	631	3130	256
16	6640	1820	3200	8700	8320	3270	5040	699	4940	1700	2720	191
17	6040	2880	3500	10000	7910	2940	6620	911	3390	2640	3370	657
18	5680	7470	5000	10000	8020	2640	7310	1080	2360	1750	1450	871
19	9680	8000	6200	10000	8380	4720	5870	848	1010	1540	1320	712
20	6600	2620	6400	10000	8390	4740	5950	1100	801	1470	3130	1910
21	15600	1310	4500	10000	8530	0	6160	1120	1490	481	3020	3940
22	5290	1200	3600	9900	8120	2350	6350	1590	1530	468	2830	4540
23	1770	1480	3600	9800	7900	4890	13000	1460	312	1440	3310	2500
24	767	263	3600	9900	7600	2100	14400	1380	0	1480	2050	2640
25	1580	746	3700	10000	6870	6040	6200	1390	2300	1530	626	2600
26	2120	1280	3700	10000	4670	5680	4540	1230	1710	3630	494	673
27	430	28400	3800	10000	5930	7240	6550	1190	1410	4190	407	798
28	1180	11000	3900	10000	5650	8090	6240	1240	1210	4440	443	578
29	3090	3800	4000	10000	---	9080	4830	2100	1320	4460	464	600
30	599	1100	4100	10000	---	10200	4040	2210	475	3750	3250	754
31	0	---	4200	10000	---	13600	---	1820	---	5320	2800	---
TOTAL	82696	83975.0	90074	233300	245400	150180	147377	80958	78848	53447	110644	59650
MEAN	2668	2799	2906	7526	8764	4845	4913	2612	2628	1724	3569	1988
MAX	15600	28400	6400	10000	10700	13600	14400	9000	5200	5320	6720	4980
MIN	.00	.00	.00	3900	4670	.00	767	699	.00	86	407	191
AC-FT	164000	166600	178700	462800	486800	297900	292300	160600	156400	106000	219500	118300

CAL YR 1984	TOTAL	886390.00	MEAN	2422	MAX	28400	MIN	.00	AC-FT	1758000
WTR YR 1985	TOTAL	1416549.00	MEAN	3881	MAX	28400	MIN	.00	AC-FT	2810000

07076626 LITTLE RED RIVER ABOVE SEARCY, ARK.

LOCATION.--Lat 35°16'12", long 91°42'26", in SE 1/4 SW 1/4 sec.36, T.8 N., R.7 W., White County, Hydrologic Unit 11010014, 1,200 ft downstream from lower dam at bridge on State Highway 367 at Searcy, Ark.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
02...	1100	9827	9827	210	6.8	15.0	10.8	25.0	K16
23...	1110	9827	9827	1740	6.4	14.0	8.7	11.0	280
DEC									
18...	1120	9827	9827	8200	6.6	11.0	9.1	8.0	K90
JAN, 1985									
08...	1110	9827	9827	1900	6.7	9.0	10.9	7.0	K10
FEB									
12...	1015	9827	9827	1500	6.9	4.0	12.2	2.0	K40
MAR									
05...	1015	9827	9827	5300	6.7	10.0	11.6	13.0	K12
APR									
02...	1230	9827	9827	.00	6.6	9.0	9.6	17.0	1500
29...	1020	9827	9827	6290	7.1	15.0	10.3	27.0	K48
MAY									
28...	1150	9827	9827	2060	--	18.0	9.9	33.0	28
JUL									
02...	1210	9827	9827	.00	7.1	27.0	9.1	33.0	K4
23...	1120	9827	9827	2010	7.2	23.0	9.4	29.0	K10
AUG									
27...	1040	9827	9827	429	7.2	20.0	9.5	27.0	K22

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
02...	1100	.4	3.0	24	4.0	2.5	33	3	.13
23...	1110	1.2	15	18	3.0	5.0	43	12	.42
DEC									
18...	1120	1.0	6.0	22	5.0	2.0	42	13	.22
JAN, 1985									
08...	1110	.9	--	22	3.0	5.0	33	2	.22
FEB									
12...	1015	1.0	--	16	5.0	5.5	33	6	.19
MAR									
05...	1015	1.0	4.0	16	3.0	4.0	37	4	.22
APR									
02...	1230	1.3	25	10	9.0	4.0	53	14	.33
29...	1020	1.2	7.0	16	--	2.5	38	4	.16
MAY									
28...	1150	--	9.0	22	3.0	--	--	10	.13
JUL									
02...	1210	1.4	3.0	20	7.0	1.0	46	6	.12
23...	1120	1.2	6.0	18	4.0	3.5	32	10	.10
AUG									
27...	1040	.8	5.0	20	8.0	1.5	41	4	.14

07076626 LITTLE RED RIVER ABOVE SEARCY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
02...	1100	.030	.010	<.010	<1	<1	<10	9	30
23...	1110	.010	.070	.020	<1	<1	<10	11	90
DEC									
18...	1120	.040	.030	.010	<1	<1	<10	10	--
JAN, 1985									
08...	1110	.030	--	.010	<1	2	15	27	--
FEB									
12...	1015	.020	.010	.010	<1	<1	--	--	40
MAR									
05...	1015	.050	--	.010	<1	<1	15	5	--
APR									
02...	1230	.050	.050	.020	<1	<1	15	3	50
29...	1020	.020	.040	.010	--	<1	<15	9	--
MAY									
28...	1150	.030	.030	--	<1	<1	<15	4	40
JUL									
02...	1210	<.010	.050	.010	<1	<1	14	1	20
23...	1120	.030	.030	.020	<1	9	<15	3	10
AUG									
27...	1040	<.010	.020	.010	--	<1	<15	1	<10

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)
AUG, 1985									
27...	1040	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07076632 LITTLE RED RIVER BELOW SEARCY, ARK.

LOCATION.--Lat 35°15'19", long 91°40'34", in SW 1/4 SW 1/4 sec.5, T.7 N., R.6 W., White County, Hydrologic Unit 11010014, at bridge on State Highway 367, 2.2 mi east of Searcy and 3 mi west of Judsonia, Ark.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
02...	1030	9827	9827	212	6.7	15.0	10.4	18.0	K48
23...	1050	9827	9827	1750	6.6	15.0	8.6	14.0	560
DEC									
18...	1100	9827	9827	8200	6.6	11.0	9.3	9.0	200
JAN, 1985									
08...	1045	9827	9827	1900	6.7	9.0	10.8	11.0	K16
FEB									
12...	0955	9827	9827	1500	6.9	4.0	12.1	.0	K90
MAR									
05...	1000	9827	9827	5300	6.7	9.0	9.6	8.0	K60
APR									
02...	1220	9827	9827	.00	6.7	9.0	9.2	18.0	1900
29...	1005	9827	9827	6300	7.0	15.0	10.2	27.0	K76
MAY									
28...	1120	9827	9827	2060	--	19.0	9.6	29.0	560
JUL									
02...	1135	9827	9827	.00	7.1	27.0	10.4	31.0	K24
23...	1053	9827	9827	2010	7.2	23.0	9.5	31.0	240
AUG									
27...	1015	9827	9827	432	7.2	20.0	9.6	28.0	K12

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
02...	1030	1.2	3.5	24	5.0	4.0	38	4	.12
23...	1050	1.5	20	18	5.0	5.0	46	14	.46
DEC									
18...	1100	1.2	55	22	5.0	2.5	46	15	.23
JAN, 1985									
08...	1045	.9	--	28	4.0	5.5	36	2	.24
FEB									
12...	0955	.9	--	20	7.0	5.5	36	4	.19
MAR									
05...	1000	1.6	4.0	18	3.0	3.0	38	4	.22
APR									
02...	1220	1.3	30	14	11	3.0	55	17	.31
29...	1005	1.1	8.0	16	--	2.0	35	4	.17
MAY									
28...	1120	--	9.0	32	3.0	--	--	10	.14
JUL									
02...	1135	3.4	7.0	22	7.0	3.5	46	8	.12
23...	1053	7.7	15	22	4.0	4.5	38	14	.11
AUG									
27...	1015	.9	5.0	20	9.0	2.0	33	4	.15

07076632 LITTLE RED RIVER BELOW SEARCY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
02...	1030	.070	.060	.050	<1	<1	<5	11	40
23...	1050	.030	.080	.040	<1	<1	<10	9	120
DEC									
18...	1100	.050	.030	.010	1	<1	<10	24	--
JAN, 1985									
08...	1045	.050	--	.010	3	4	23	160	--
FEB									
12...	0955	.020	.020	.010	<1	<1	--	--	60
MAR									
05...	1000	.060	--	.020	<1	<1	15	12	--
APR									
02...	1220	.070	.060	.030	<1	<1	15	2	60
29...	1005	.020	.040	.010	--	<1	<15	8	--
MAY									
28...	1120	.050	.050	--	<1	<1	<15	3	30
JUL									
02...	1135	.030	.220	.090	<1	<1	17	<1	20
23...	1053	.090	.090	.070	<1	2	<15	3	<10
AUG									
27...	1015	.050	.050	.050	--	<1	<15	1	<10

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)
AUG, 1985									
27...	1015	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07076950 WATTENSAW BAYOU NEAR HAZEN, ARK.

LOCATION.--Lat 34°52'34", long 91°33'56", in SE 1/4 SE 1/4 sec.18, T.3 N., R.5 W., Prairie County, Hydrologic Unit 08020301, at bridge on State Highway 11, 7.0 mi north of Hazen, Ark.

DRAINAGE AREA.--192 mi^2.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
09...	1410	9827	9827	82	7.1	20.0	5.8	22.0	410
NOV									
20...	1345	9827	9827	--	6.9	8.0	8.5	8.0	230
DEC									
04...	1415	9827	9827	719	6.9	8.0	8.5	3.0	520
JAN, 1985									
08...	1320	9827	9827	--	6.8	4.0	11.1	7.0	100
FEB									
26...	1320	9827	9827	--	6.7	11.0	8.1	10.0	4300
MAR									
26...	1415	9827	9827	--	7.1	14.0	8.1	22.0	--
APR									
23...	1345	9827	9827	--	--	20.0	5.6	24.0	4400
MAY									
21...	1400	9827	9827	76	7.2	22.0	1.1	22.0	K50
JUN									
18...	1630	9827	9827	150	7.1	24.0	5.1	27.0	5600
JUL									
23...	1330	9827	9827	12	7.9	25.0	2.8	28.0	K60
AUG									
20...	1340	9827	9827	12	7.7	25.0	3.6	25.0	K190
SEP									
24...	1415	9827	9827	7.0	8.0	21.0	7.3	23.0	K4

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
09...	1410	1.6	40	60	7.0	17	139	38	.18
NOV									
20...	1345	2.0	65	38	--	8.0	130	18	.06
DEC									
04...	1415	1.7	45	26	8.0	6.5	96	10	.05
JAN, 1985									
08...	1320	1.5	--	30	6.0	7.5	107	14	.18
FEB									
26...	1320	2.4	120	22	8.0	7.0	162	48	.27
MAR									
26...	1415	2.3	55	24	8.0	4.0	106	23	.16
APR									
23...	1345	4.2	140	26	9.0	4.0	140	144	.35
MAY									
21...	1400	4.8	35	70	6.0	16	138	33	.12
JUN									
18...	1630	--	--	--	11	13	177	264	1.2
JUL									
23...	1330	--	25	72	5.0	15	144	18	.39
AUG									
20...	1340	1.5	15	130	11	34	240	24	.13
SEP									
24...	1415	2.9	15	120	9.0	32	206	16	.02

07076950 WATTENSAW BAYOU NEAR HAZEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
09...	1410	--	.240	.190	<1	2	14	6	40
NOV									
20...	1345	.060	.170	.120	<1	5	14	--	40
DEC									
04...	1415	.080	.140	.090	<1	4	26	6	60
JAN, 1985									
08...	1320	.060	--	.100	<1	3	14	5	--
FEB									
26...	1320	.150	--	.120	<1	3	23	--	50
MAR									
26...	1415	.050	.170	.100	<1	1	23	10	--
APR									
23...	1345	.080	.330	.150	<1	5	16	14	70
MAY									
21...	1400	.280	.250	--	<1	<1	23	2	--
JUN									
18...	1630	--	.400	.170	<1	4	17	10	--
JUL									
23...	1330	.190	.260	.190	<1	2	<15	2	--
AUG									
20...	1340	.070	.130	.090	<1	1	<15	2	20
SEP									
24...	1415	.050	.130	.060	<1	<1	18	6	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)
JUL, 1985									
23...	1330	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07077000 WHITE RIVER AT DEVALLS BLUFF, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
09...	1330	9827	9827	9860	8.0	19.0	9.1	22.0	K40
NOV									
20...	1310	9827	9827	36400	7.7	7.0	9.5	9.0	K40
DEC									
04...	1330	9827	9827	66200	7.4	7.0	8.0	4.0	K70
JAN, 1985									
08...	1245	9827	9827	85900	7.5	4.0	10.9	7.0	K68
FEB									
26...	1240	9827	9827	69700	7.8	11.0	10.9	9.0	K300
MAR									
26...	1320	9827	9827	70500	8.0	14.0	10.8	22.0	--
APR									
23...	1315	9827	9827	73200	--	20.0	8.4	25.0	K30
MAY									
21...	1320	9827	9827	39400	7.9	22.0	7.4	22.0	K10
JUN									
18...	1555	9827	9827	28500	8.0	23.0	8.5	28.0	K130
JUL									
23...	1245	9827	9827	25200	8.2	23.0	9.0	28.0	220
AUG									
20...	1300	9827	9827	25900	8.1	23.0	8.9	25.0	K50
SEP									
24...	1330	9827	9827	22400	8.2	20.0	9.4	22.0	K8

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
09...	1330	1.1	25	140	5.0	4.5	161	32	.27
NOV									
20...	1310	1.4	20	100	--	3.0	136	28	.30
DEC									
04...	1330	1.9	60	74	8.0	8.5	129	47	.20
JAN, 1985									
08...	1245	1.9	--	90	5.0	5.0	118	15	.25
FEB									
26...	1240	1.7	20	110	3.0	7.0	130	18	.22
MAR									
26...	1320	1.1	20	100	9.0	3.5	130	16	.16
APR									
23...	1315	1.8	20	100	7.0	2.5	123	19	.11
MAY									
21...	1320	1.4	25	120	2.0	3.5	144	38	.23
JUN									
18...	1555	1.6	--	--	4.0	3.5	147	52	.35
JUL									
23...	1245	1.6	25	130	4.0	4.0	144	44	.45
AUG									
20...	1300	1.3	30	120	7.0	6.0	144	38	.51
SEP									
24...	1330	1.7	20	130	7.0	3.5	140	36	.36

WHITE RIVER BASIN

07077000 WHITE RIVER AT DEVALLS BLUFF, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
09...	1330	--	.040	.050	<1	1	<10	<1	10
NOV									
20...	1310	.030	.060	.050	<1	<1	<10	--	10
DEC									
04...	1330	.100	.140	.090	<1	4	<10	3	40
JAN, 1985									
08...	1245	.060	--	.050	<1	2	22	7	--
FEB									
26...	1240	.010	--	.010	<1	1	9	1	10
MAR									
26...	1320	.010	.050	.020	<1	<1	<15	1	--
APR									
23...	1315	.020	.070	.030	<1	<1	<15	2	10
MAY									
21...	1320	.060	.090	--	<1	<1	<15	1	--
JUN									
18...	1555	--	.080	.030	<1	<1	<15	2	--
JUL									
23...	1245	.020	.060	.040	<1	2	<15	1	--
AUG									
20...	1300	.020	.060	.040	<1	1	<15	1	<10
SEP									
24...	1330	.060	.060	.030	<1	<1	<15	3	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)
JUL, 1985									
23...	1245	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07077380 CACHE RIVER AT EGYPT, ARK.

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 above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--21 years, 858 ft^3/s, 16.62 in/yr, 621,600 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, 4,260 ft^3/s May 25, gage height, 16.86 ft; minimum, 128 ft^3/s Oct. 5, gage height, 5.47 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	945	3380	4060	3470	1290	3250	3710	3430	1330	548	303	316
2	522	3470	4000	3530	1290	2870	3590	3630	610	360	294	268
3	281	3470	3890	3490	1290	2470	3220	3510	376	336	365	244
4	178	3440	3750	3420	1300	2170	2620	3290	279	293	349	265
5	137	3370	3610	3310	1290	2060	2130	2960	264	284	340	319
6	489	3280	3460	3190	1100	1930	1900	2560	274	809	370	653
7	1720	3180	3260	3050	821	1700	1570	2250	386	863	410	581
8	1990	3060	2970	3040	822	1390	1070	2090	327	405	406	456
9	1870	2880	2640	2980	823	1050	643	1990	265	259	362	379
10	1570	2640	2330	2900	619	1170	468	1880	261	230	363	336
11	1910	2390	2050	2790	1860	1120	395	1570	537	227	734	472
12	2550	2190	1820	2570	2600	1020	348	1140	1510	226	980	429
13	2970	2030	1530	2320	2660	877	302	813	1360	224	673	352
14	2890	1900	2080	2130	2490	688	1110	634	723	225	473	310
15	2450	1780	2800	2000	2260	688	2950	552	379	222	402	293
16	1760	1630	2650	1900	2070	599	3040	400	264	220	745	260
17	1650	1420	2210	1870	1900	470	2800	311	264	218	1000	217
18	2030	1500	2050	1830	1760	368	2450	260	503	218	974	210
19	2720	2430	2800	1750	1900	305	2080	244	477	223	740	207
20	3220	2520	3170	1650	1760	290	1720	240	371	232	532	205
21	3780	2240	3460	1550	1420	310	1230	245	287	251	422	202
22	3930	1870	3570	1340	1170	1200	705	2340	985	249	445	200
23	3970	1460	3570	976	2090	1760	515	3830	1420	287	464	199
24	3990	1090	3500	721	3570	1590	671	4150	732	429	546	198
25	3970	674	3390	540	3790	1280	780	4250	404	412	729	198
26	3890	751	3240	605	3800	865	512	4170	349	479	860	198
27	3780	3350	3060	633	3680	544	2020	4060	416	1100	799	198
28	3690	3880	2830	561	3480	452	3800	4020	596	1270	635	198
29	3660	3990	2590	426	---	417	3780	4150	929	946	471	198
30	3570	4040	2610	379	---	798	3400	4060	777	598	411	197
31	3460	---	3160	802	---	3420	---	3030	---	393	374	---
TOTAL	75542	75305	92110	61723	54905	39121	55529	72059	17655	13036	16971	8758
MEAN	2437	2510	2971	1991	1961	1262	1851	2324	589	421	547	292
MAX	3990	4040	4060	3530	3800	3420	3800	4250	1510	1270	1000	653
MIN	137	674	1530	379	619	290	302	240	261	218	294	197
CFSM	3.48	3.58	4.24	2.84	2.80	1.80	2.64	3.32	.84	.60	.78	.42
IN.	4.01	4.00	4.89	3.28	2.91	2.08	2.95	3.82	.94	.69	.90	.46
AC-FT	149800	149400	182700	122400	108900	77600	110100	142900	35020	25860	33660	17370

CAL YR 1984	TOTAL	498544	MEAN	1362	MAX	4300	MIN	57	CFSM	1.94	IN.	26.46	AC-FT	988900
WTR YR 1985	TOTAL	582714	MEAN	1596	MAX	4250	MIN	137	CFSM	2.28	IN.	30.92	AC-FT	1156000

07077500 CACHE RIVER AT PATTERSON, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (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)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
NOV, 1984											
13...	1100	80513	80010	99	7.2	10.5	7.9	70	768	K33	460
JAN, 1985											
15...	0900	80513	80010	75	7.3	1.5	13.6	97	760	K33	290
MAR											
20...	0900	80513	80010	91	7.3	14.0	6.9	67	761	K67	720
APR											
23...	1145	80513	80010	74	7.3	20.5	5.9	66	755	K130	1300
JUN											
26...	0700	80513	80010	153	7.8	27.0	4.8	60	761	670	K4900
SEP											
03...	1100	80513	80010	303	8.1	26.5	5.1	64	758	K11	730

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	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) (009121)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
NOV, 1984										
13...	1100	36	0	8.5	3.6	3.9	17	.3	4.2	42
JAN, 1985										
15...	0900	22	0	5.2	2.2	4.7	30	.4	1.5	26
MAR										
20...	0900	30	0	7.4	2.9	7.3	33	.6	1.0	33
APR										
23...	1145	26	0	6.1	2.5	9.9	45	.9	.80	33
JUN										
26...	0700	50	0	12	4.8	8.8	26	.6	2.7	49
SEP										
03...	1100	120	0	31	11	17	23	.7	2.8	143

DATE	TIME	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)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
NOV, 1984										
13...	1100	11	4.5	<.10	--	--	.030	<.010	<.10	<.10
JAN, 1985										
15...	0900	4.8	4.3	.20	.17	.15	.030	.010	.20	.16
MAR										
20...	0900	6.5	6.1	.30	.46	--	.040	<.010	.50	.36
APR										
23...	1145	6.3	7.8	<.10	.42	.36	.080	.010	.50	.37
JUN										
26...	0700	13	5.8	<.10	.91	.4+	.090	.030	1.0	.85
SEP										
03...	1100	9.6	10	.20	.19	--	.010	<.010	.20	.21

07077500 CACHE RIVER AT PATTERSON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)
NOV, 1984										
13...	1100	.240	.120	.86	.48	1.1	--	.60	--	--
JAN, 1985										
15...	0900	.080	.110	.92	.69	1.0	--	.80	1.2	--
MAR										
20...	0900	.150	.090	2.7	.51	2.8	--	.60	3.3	--
APR										
23...	1145	.160	.060	1.4	1.3	1.6	--	1.4	2.1	--
JUN										
26...	0700	.130	.050	1.3	.35	1.4	1.0	.40	2.4	1.3
SEP										
03...	1100	.050	.050	.55	.45	.60	.10	.50	.80	.71

DATE	TIME	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
NOV, 1984										
13...	1100	.190	.060	1300	2	<20	<1	<1	<1	4
JAN, 1985										
15...	0900	.200	.050	--	--	<20	--	--	--	--
MAR										
20...	0900	.360	.050	--	--	50	--	--	--	--
APR										
23...	1145	.320	.100	2500	3	70	<1	<1	6	17
JUN										
26...	0700	.170	.040	--	--	<20	--	--	--	--
SEP										
03...	1100	.120	.100	--	--	40	--	--	--	--

DATE	TIME	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)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV, 1984										
13...	1100	2400	3	70	<.1	2	<1	10	30	71
JAN, 1985										
15...	0900	--	--	--	--	--	--	--	35	76
MAR										
20...	0900	--	--	--	--	--	--	--	185	96
APR										
23...	1145	8400	9	190	.1	11	<1	40	153	91
JUN										
26...	0700	--	--	--	--	--	--	--	179	95
SEP										
03...	1100	--	--	--	--	--	--	--	61	95

07077660 BAYOU DEVIEW NEAR GIBSON, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
23...	1620	9827	9827	53	6.9	14.0	9.2	15.0	740
NOV									
20...	1630	9827	9827	80	7.1	12.0	11.5	14.0	2600
DEC									
18...	1610	9827	9827	206	7.2	12.0	8.8	10.0	K8800
JAN, 1985									
29...	1700	9827	9827	53	7.9	14.0	13.0	12.0	<4
FEB									
26...	1620	9827	9827	206	6.9	12.0	10.6	15.0	1000
MAR									
26...	1630	9827	9827	12	7.4	12.0	10.9	25.0	--
APR									
23...	1630	9827	9827	1.3	7.1	15.0	6.7	25.0	K10000
MAY									
21...	1555	9827	9827	1.5	8.6	20.0	10.9	30.0	--
JUN									
18...	1630	9827	9827	9.2	7.2	26.0	6.8	35.0	>6000
JUL									
23...	1600	9827	9827	.00	--	24.0	--	38.0	K100
AUG									
20...	1645	9827	9827	3.5	8.1	28.0	9.7	34.0	K90
SEP									
24...	1630	9827	9827	2.1	7.8	18.0	7.3	22.0	88

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
23...	1620	2.1	10	20	--	2.5	118	--	.16
NOV									
20...	1630	3.1	75	32	14	7.0	149	34	.37
DEC									
18...	1610	5.6	130	44	13	7.2	169	197	.27
JAN, 1985									
29...	1700	1.5	--	56	18	18	129	23	.97
FEB									
26...	1620	2.3	100	24	--	6.5	110	127	.23
MAR									
26...	1630	2.4	45	38	16	8.0	122	26	.59
APR									
23...	1630	5.3	80	38	14	11	143	96	>1.0
MAY									
21...	1555	4.4	120	96	20	33	220	26	1.1
JUN									
18...	1630	5.3	550	56	19	14	330	--	1.3
JUL									
23...	1600	4.4	65	94	20	40	225	74	.02
AUG									
20...	1645	2.7	30	130	16	28	248	33	--
SEP									
24...	1630	1.6	20	92	29	43	259	22	3.1

07077660 BAYOU DEVIEW NEAR GIBSON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
23...	1620	.120	.270	.140	1	8	<10	--	--
NOV									
20...	1630	.110	.400	.330	<1	6	13	6	--
DEC									
18...	1610	.150	.440	.250	1	8	19	15	60
JAN, 1985									
29...	1700	.450	--	.560	<1	4	13	--	60
FEB									
26...	1620	.080	.290	.080	1	5	14	10	40
MAR									
26...	1630	.050	.450	.420	<1	3	<15	11	40
APR									
23...	1630	.050	1.04	.730	<1	3	18	--	40
MAY									
21...	1555	.030	1.45	1.35	<1	<1	<15	--	20
JUN									
18...	1630	--	1.10	.900	<1	15	36	22	60
JUL									
23...	1600	.020	.290	.130	<1	9	24	16	30
AUG									
20...	1645	--	.960	.850	<1	5	16	6	--
SEP									
24...	1630	.070	4.10	3.95	<1	3	<15	10	--

07077700 BAYOU DEVIEW AT MORTON, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (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)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
NOV, 1984											
13...	1215	80513	80010	88	6.9	10.0	3.9	34	768	K56	990
JAN, 1985											
15...	1200	80513	80010	102	6.9	1.5	10.6	76	760	K43	620
MAR											
20...	1000	80513	80010	138	7.2	14.0	7.8	76	761	<9	660
APR											
23...	1300	80513	80010	69	7.2	21.5	3.8	43	755	K130	K1300
JUN											
25...	1210	80513	80010	127	7.5	27.0	5.5	69	762	700	3200
SEP											
03...	1215	80513	80010	382	8.1	27.5	5.3	68	758	K44	400

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	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)
NOV, 1984										
13...	1215	32	0	8.0	3.0	3.8	18	.3	4.7	34
JAN, 1985										
15...	1200	35	0	8.9	3.1	6.8	28	.5	2.0	37
MAR										
20...	1000	43	0	11	3.8	9.2	31	.6	1.7	47
APR										
23...	1300	32	3	8.0	2.8	10	39	.8	1.5	29
JUN										
25...	1210	43	3	11	3.8	6.6	24	.5	2.7	40
SEP										
03...	1215	160	0	42	13	18	19	.6	2.9	180

DATE	TIME	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)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
NOV, 1984										
13...	1215	10	5.0	<.10	.06	--	.040	<.010	.10	<.10
JAN, 1985										
15...	1200	6.1	8.3	.20	.18	.17	.020	.020	.20	.19
MAR										
20...	1000	8.4	7.1	.20	.38	--	.020	<.010	.40	.29
APR										
23...	1300	9.6	9.5	<.10	.25	.31	.050	.020	.30	.33
JUN										
25...	1210	13	5.2	<.10	.57	.54	.130	.070	.70	.61
SEP										
03...	1215	14	15	.10	.08	--	.020	<.010	.10	<.10

07077700 BAYOU DEVIEW AT MORTON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N) (00624)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN DISSOLVED (MG/L AS N) (00602)
NOV, 1984										
13...	1215	.270	.080	.43	1.0	.70	--	1.1	.80	--
JAN, 1985										
15...	1200	.120	.130	1.2	.77	1.3	--	.90	1.5	--
MAR										
20...	1000	.080	.050	1.4	.65	1.5	--	.70	1.9	--
APR										
23...	1300	.220	.130	1.2	1.3	1.4	--	1.4	1.7	--
JUN										
25...	1210	.280	.200	1.0	.50	1.3	.60	.70	2.0	1.3
SEP										
03...	1215	.030	.060	.67	.34	.70	.30	.40	.80	--

DATE	TIME	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	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)
NOV, 1984										
13...	1215	.220	.040	2400	2	<20	<1	1	1	2
JAN, 1985										
15...	1200	.260	.070	--	--	30	--	--	--	--
MAR										
20...	1000	.370	.020	--	--	50	--	--	--	--
APR										
23...	1300	.350	.110	1700	2	80	<1	<1	2	8
JUN										
25...	1210	.150	.070	--	--	<20	--	--	--	--
SEP										
03...	1215	.150	.130	--	--	40	--	--	--	--

DATE	TIME	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)	SEDIMENT, SUSPENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV, 1984										
13...	1215	5000	4	190	<.1	3	<1	20	43	96
JAN, 1985										
15...	1200	--	--	--	--	--	--	--	18	90
MAR										
20...	1000	--	--	--	--	--	--	--	101	97
APR										
23...	1300	5700	6	490	<.1	4	<1	30	104	100
JUN										
25...	1210	--	--	--	--	--	--	--	251	97
SEP										
03...	1215	--	--	--	--	--	--	--	74	96

07077800 WHITE RIVER AT CLARENDON, ARK.
(National stream-quality accounting network)

NOTE.--Water-discharge records are not available for inclusion in this report. They will be published in a subsequent report.

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-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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV, 1984											
27...	1100	80513	80010	48600	184	7.8	9.0	4.5	9.2	80	757
JAN, 1985											
08...	1300	80513	80010	95200	221	7.9	5.0	39	11.3	88	765
MAY											
06...	1230	80513	80010	81800	201	7.9	21.0	4.6	7.2	81	760
JUL											
03...	1000	80513	80010	28200	237	8.2	24.0	37	7.3	86	765

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 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)
NOV, 1984											
27...	1100	50	770	93	3	23	8.7	2.1	5	.0	1.9
JAN, 1985											
08...	1300	56	370	82	0	20	7.7	1.8	4	.0	1.6
MAY											
06...	1230	6	150	100	6	25	9.3	2.1	4	.0	1.4
JUL											
03...	1000	40	240	120	2	28	12	3.1	5	.1	.60

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
NOV, 1984										
27...	1100	90	5.4	3.0	<.10	6.7	110	110	.15	.30
JAN, 1985										
08...	1300	87	5.7	2.8	<.10	5.9	109	98	.15	.18
MAY										
06...	1230	95	10	3.1	<.10	4.9	125	110	.17	.37
JUL										
03...	1000	118	7.3	3.8	.10	6.4	151	130	.21	.23

WHITE RIVER BASIN

07077800 WHITE RIVER AT CLARENDON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	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)
NOV, 1984										
27...	1100	.060	.70	.060	.020	.020	50	<1	39	<.5
JAN, 1985										
08...	1300	.040	.50	.070	.040	.020	30	<1	31	<.5
MAY										
06...	1230	.030	.50	.050	<.010	<.010	70	<1	35	<.5
JUL										
03...	1000	.010	.40	.050	.020	.010	10	2	100	.5

DATE	TIME	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)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)
NOV, 1984										
27...	1100	<1	<1	<3	5	78	5	<4	20	<.1
JAN, 1985										
08...	1300	1	3	<3	1	59	1	7	29	<.1
MAY										
06...	1230	<1	<1	<3	3	100	2	17	35	.3
JUL										
03...	1000	<1	<1	<3	6	34	2	8	9	<.1

DATE	TIME	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)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV, 1984										
27...	1100	<10	1	<1	<1	33	8	53	6950	66
JAN, 1985										
08...	1300	<10	<1	<1	<1	31	8	24	6170	90
MAY										
06...	1230	<10	4	<1	<1	35	10	38	8390	90
JUL										
03...	1000	<10	5	<1	<1	34	59	98	7460	81

07077820 WHITE RIVER AT ST. CHARLES, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)
OCT, 1984										
02...	1030	9827	9827	8.2	17.0	9.6	16.0	K8	--	30
30...	1445	9827	9827	7.7	17.0	6.1	27.0	K30	2.7	35
NOV										
27...	1515	9827	9827	7.4	9.0	9.1	10.0	K64	2.4	--
JAN, 1985										
29...	1420	9827	9827	7.9	3.0	12.5	3.0	K32	1.0	--
FEB										
12...	1505	9827	9827	7.8	2.0	12.8	3.0	K40	2.2	20
MAR										
05...	1315	9827	9827	7.5	11.0	9.0	12.0	K80	3.8	60
APR										
02...	1350	9827	9827	7.8	17.0	9.8	18.0	K6	2.6	10
30...	1400	9827	9827	7.8	22.0	7.4	25.0	<20	3.2	25
MAY										
28...	1335	9827	9827	7.8	29.0	7.3	25.0	K4	2.9	35
JUL										
02...	1400	9827	9827	7.9	31.0	8.2	28.0	K10	2.8	--
AUG										
13...	1745	9827	9827	8.1	30.0	--	26.0	--	2.2	35
27...	1600	9827	9827	8.1	30.0	9.4	32.0	K16	3.7	20

DATE	TIME	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, 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, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)
OCT, 1984										
02...	1030	160	7.0	5.0	183	49	.19	.030	--	--
30...	1445	80	6.0	3.5	113	50	.33	.070	--	--
NOV										
27...	1515	98	6.0	4.0	61	--	.27	.070	--	--
JAN, 1985										
29...	1420	110	6.0	8.5	131	15	.27	.020	--	--
FEB										
12...	1505	110	10	6.0	134	18	.26	<.010	--	--
MAR										
05...	1315	86	6.0	4.5	131	35	.30	.120	--	--
APR										
02...	1350	110	11	4.0	137	18	.17	<.010	.40	.57
30...	1400	96	--	3.5	112	22	.20	.040	--	--
MAY										
28...	1335	120	6.0	3.5	144	59	.25	.020	--	--
JUL										
02...	1400	120	8.0	--	149	--	.30	<.010	--	--
AUG										
13...	1745	120	9.0	4.0	139	--	.43	<.010	--	--
27...	1600	120	8.0	4.5	159	17	.40	<.010	--	--

07077820 WHITE RIVER AT ST. CHARLES, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1984										
02...	1030	--	.010	--	<1	2	<10	<1	--	10
30...	1445	.120	.020	--	--	--	<10	--	--	--
NOV										
27...	1515	.090	.060	<5	<1	<1	<10	--	<5	10
JAN, 1985										
29...	1420	--	.020	<5	<1	3	<10	7	<5	--
FEB										
12...	1505	.040	.020	--	<1	--	8	1	--	10
MAR										
05...	1315	.130	.070	--	<1	<1	--	4	--	--
APR										
02...	1350	.060	.010	1	<1	1	<15	2	<1	10
30...	1400	.130	.090	--	<1	2	12	1	--	20
MAY										
28...	1335	.140	.030	--	<1	4	<15	3	--	10
JUL										
02...	1400	.140	.040	6	<1	1	<15	2	<1	--
AUG										
13...	1745	.080	.030	--	<1	1	<15	1	--	10
27...	1600	.070	.030	--	1	1	<15	2	--	<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, 1984									
27...	1515	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
MAR, 1985									
05...	1315	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
APR									
02...	1350	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
AUG									
27...	1600	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07077862 BOAT GUNWALE SLASH NEAR HOLLY GROVE, ARK.

LOCATION.--Lat 36°34'29", long 91°08'45", in SE 1/4 sec.30, T.1 S., R.1 W., Monroe County, Hydrologic Unit 08020303, at bridge on State Highway 146, 3.6 mi southeast of Holly Grove, Ark.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984									
09...	1215	9827	9827	6.7	21.0	2.2	22.0	80	--
NOV									
20...	1210	9827	9827	7.2	8.0	8.6	9.0	K50	1.1
DEC									
04...	1230	9827	9827	6.9	8.0	6.5	4.0	K70	1.3
JAN, 1985									
08...	1135	9827	9827	6.9	4.0	10.4	6.0	K58	.8
FEB									
26...	1145	9827	9827	6.7	12.0	6.0	9.0	K40	1.6
MAR									
26...	1220	9827	9827	7.2	15.0	6.7	20.0	--	1.7
APR									
23...	1210	9827	9827	--	24.0	3.8	24.0	1000	4.7
MAY									
21...	1220	9827	9827	7.1	22.0	2.3	23.0	K85	1.7
JUN									
18...	1450	9827	9827	7.8	24.0	8.3	27.0	540	--
JUL									
23...	1140	9827	9827	6.1	25.0	2.8	27.0	2000	--
AUG									
20...	1150	9827	9827	7.5	25.0	2.1	24.0	K80	3.2
SEP									
24...	1215	9827	9827	7.4	20.0	3.3	22.0	K1700	2.9

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984									
09...	1215	25	32	6.0	3.5	73	7	.03	--
NOV									
20...	1210	35	50	--	12	127	7	.01	.050
DEC									
04...	1230	30	34	7.0	5.0	73	4	.06	.060
JAN, 1985									
08...	1135	--	34	5.0	6.5	71	4	.07	.030
FEB									
26...	1145	75	26	4.0	6.5	116	20	.07	.140
MAR									
26...	1220	60	28	6.0	2.0	87	11	.06	.040
APR									
23...	1210	20	38	7.0	3.5	78	16	.02	<.010
MAY									
21...	1220	7.5	56	2.0	2.5	89	6	.05	.370
JUN									
18...	1450	5.0	--	3.0	8.0	152	--	.06	--
JUL									
23...	1140	45	26	24	2.0	103	26	.10	.060
AUG									
20...	1150	6.0	70	6.0	5.0	123	12	.02	.070
SEP									
24...	1215	20	110	5.0	6.5	149	16	.02	.040

07077862 BOAT GUNWALE SLASH NEAR HOLLY GROVE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)
OCT, 1984									
09...	1215	.140	.120	<1	<1	14	3	30	--
NOV									
20...	1210	.160	.140	<1	1	14	--	40	<.002
DEC									
04...	1230	.120	.090	<1	4	13	4	50	--
JAN, 1985									
08...	1135	--	.110	<1	1	32	6	--	<.002
FEB									
26...	1145	--	.120	<1	2	26	--	50	--
MAR									
26...	1220	.190	.170	<1	<1	20	7	--	--
APR									
23...	1210	.230	.090	<1	<1	16	6	40	--
MAY									
21...	1220	.210	--	<1	<1	<15	3	--	<.001
JUN									
18...	1450	.320	.040	<1	4	23	5	--	--
JUL									
23...	1140	.230	.130	<1	9	<15	2	--	<.001
AUG									
20...	1150	.190	.120	<1	<1	<15	1	<10	--
SEP									
24...	1215	.220	.060	<1	<1	15	7	60	--

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)
NOV, 1984								
20...	1210	<.002	<.006	<.002	<.002	<.01	<.01	<1
JAN, 1985								
08...	1135	<.002	<.004	<.002	<.002	<.01	<.01	<1
MAY								
21...	1220	<.001	<.002	<.001	<.001	<.01	<.01	<1
JUL								
23...	1140	<.001	<.002	<.001	<.001	<.01	<.01	<1

07077950 BIG CREEK AT POPLAR GROVE, ARK.

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 mi2.

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 U.S. Army Corps of Engineers.

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

GAGE.--Water-stage recorder. Datum of gage is 143.00 ft above 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.--Estimated daily discharge: June 6-16, and Sept. 12-30. Records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--15 years, 643 ft^3/s, 465,900 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, 3,450 ft^3/s Apr. 28; maximum gage height, 29.93 ft Oct. 24, 25; no flow Sept. 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	307	2530	1710	1210	1260	1160	1240	2980	108	24	368	201
2	273	2560	1680	1450	1260	1060	1240	2760	99	24	355	178
3	228	2420	1650	1490	1260	971	1140	2570	87	25	340	156
4	179	2300	1610	1410	1260	904	998	2360	72	26	318	136
5	137	2220	1600	1320	1250	875	881	2140	58	27	286	120
6	337	2160	1720	1240	1230	833	793	1950	50	28	251	104
7	1130	2100	1680	1170	1110	781	703	1780	40	43	217	87
8	1360	2020	1560	1110	1020	729	614	2030	40	65	190	75
9	1420	1940	1430	1030	974	662	528	2050	35	71	163	72
10	1380	2070	1320	1030	1020	597	450	1820	30	58	138	83
11	1400	2310	1210	1050	1670	535	379	1610	25	48	129	74
12	1360	2260	1110	972	1990	518	307	1450	25	45	122	60
13	1290	2120	1030	885	2010	457	234	1320	20	50	116	50
14	1190	1980	961	817	1980	389	196	1220	20	54	119	50
15	1080	1860	895	769	1930	323	255	1130	15	52	119	40
16	992	1760	829	764	1840	261	261	1050	15	71	153	20
17	1280	1650	764	941	1750	212	225	981	12	141	229	20
18	1340	1680	707	984	1640	182	183	914	12	145	248	20
19	1440	1810	672	912	1520	166	159	850	13	149	237	10
20	1570	1780	680	852	1400	155	154	784	13	166	354	8.0
21	1860	1640	695	848	1280	308	164	718	14	196	427	6.0
22	2140	1490	687	763	1160	656	180	646	17	233	381	4.0
23	2790	1370	671	664	1120	656	447	572	27	371	336	4.0
24	3230	1270	671	631	1580	554	1410	494	38	435	300	2.0
25	3190	1170	703	604	1730	472	1810	413	48	419	281	2.0
26	3110	1090	754	570	1640	430	2080	329	66	401	275	1.0
27	3050	1340	812	599	1470	427	2560	235	55	473	271	1.0
28	2990	1680	873	925	1290	450	3400	158	44	507	267	.40
29	2900	1760	918	1020	---	446	3320	121	31	460	258	.00
30	2790	1750	943	982	---	452	3130	125	24	417	244	.00
31	2630	---	963	1140	---	980	---	121	---	387	224	---
TOTAL	50373	56090	33508	30152	40644	17601	29441	37681	1153	5611	7716	1584.40
MEAN	1625	1870	1081	973	1452	568	981	1216	38.4	181	249	52.8
MAX	3230	2560	1720	1490	2010	1160	3400	2980	108	507	427	201
MIN	137	1090	671	570	974	155	154	121	12	24	116	.00
AC-FT	99910	111300	66460	59810	80620	34910	58400	74740	2290	11130	15300	3140

CAL YR 1984	TOTAL	370102	MEAN	1011	MAX	4220	MIN	30	AC-FT	734100
WTR YR 1985	TOTAL	311554.40	MEAN	854	MAX	3400	MIN	.00	AC-FT	618000

07077980 PRAIRIE CYPRESS CREEK NEAR CROSS ROADS, ARK.

LOCATION.--Lat 34°26'00", long 91°03'11", in SW 1/4 NW 1/4 sec.18, T.3 S., R.1 E., Monroe County, Hydrologic Unit 08020303, at bridge on State Highway 1, 1.0 mi northeast of Cross Roads, Ark.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)
OCT, 1984										
09...	1145	9827	9827	7.1	20.0	5.6	21.0	K36	2.0	25
NOV										
20...	1130	9827	9827	6.8	8.0	5.9	9.0	K84	.7	8.6
DEC										
04...	1150	9827	9827	7.1	8.0	9.1	4.0	K35	1.5	65
JAN, 1985										
08...	1100	9827	9827	7.1	4.0	11.8	5.0	K40	1.1	--
FEB										
26...	1100	9827	9827	6.9	11.0	8.2	9.0	300	1.6	110
MAR										
26...	1130	9827	9827	7.2	14.0	7.1	18.0	--	1.6	60
APR										
23...	1135	9827	9827	--	21.0	2.8	23.0	K260	6.7	15
MAY										
21...	1135	9827	9827	7.1	22.0	3.1	24.0	K50	1.2	45
JUN										
18...	1415	9827	9827	7.3	24.0	3.2	27.0	220	--	--
JUL										
23...	1100	9827	9827	7.3	25.0	4.0	26.0	K150	1.1	4.0
AUG										
20...	1115	9827	9827	7.6	25.0	3.8	24.0	K180	1.1	6.0
SEP										
24...	1145	9827	9827	7.8	21.0	1.7	21.0	K4	1.3	2.0

DATE	TIME	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, 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)
OCT, 1984									
09...	1145	50	8.0	13	113	10	.05	--	.120
NOV									
20...	1130	38	--	5.0	82	2	.06	.060	.090
DEC									
04...	1150	40	11	9.5	140	10	.03	.070	.210
JAN, 1985									
08...	1100	48	6.0	9.5	110	13	.02	.040	--
FEB									
26...	1100	30	8.0	6.5	166	42	.11	.100	--
MAR									
26...	1130	42	9.0	3.5	134	20	.06	.040	.220
APR									
23...	1135	70	7.0	6.0	117	10	.01	<.010	.220
MAY									
21...	1135	66	5.0	7.0	128	22	.12	.190	.290
JUN									
18...	1415	--	5.0	8.5	152	11	.19	--	.160
JUL									
23...	1100	72	40	16	187	6	.17	.070	.090
AUG									
20...	1115	110	6.0	18	191	5	.03	.030	.120
SEP									
24...	1145	150	4.0	28	225	4	.06	.040	.110

07077980 PRAIRIE CYPRESS CREEK NEAR CROSS ROADS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1984									
09...	1145	.120	--	<1	1	12	5	--	40
NOV									
20...	1130	.090	<5	<1	14	17	--	<5	40
DEC									
04...	1150	.160	--	<1	3	23	5	--	60
JAN, 1985									
08...	1100	.130	<5	<1	2	30	9	<5	--
FEB									
26...	1100	.160	--	<1	3	28	--	--	60
MAR									
26...	1130	.170	--	<1	1	16	12	--	--
APR									
23...	1135	.080	3	<1	1	17	12	<1	70
MAY									
21...	1135	--	--	<1	1	27	4	--	--
JUN									
18...	1415	.110	--	<1	<1	31	8	--	--
JUL									
23...	1100	.060	--	1	<1	<1	<15	<1	--
AUG									
20...	1115	.080	--	<1	<1	<15	1	--	10
SEP									
24...	1145	.050	--	<1	<1	<15	5	--	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)
NOV, 1984									
20...	1130	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
JAN, 1985									
08...	1100	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
MAY									
21...	1135	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
JUL									
23...	1100	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07188813 LITTLE SUGAR CREEK TRIBUTARY NEAR BENTONVILLE, ARK.

LOCATION.--Lat 36°24'26", long 94°12'46", in NW 1/4 SE 1/4 sec.18, T.20 N., R.30 W., Benton County, Hydrologic Unit 11070208, on unimproved road off U.S. Highway 71, 0.4 mi north of Bentonville city limits, and 2.0 mi downstream from Bella Vista Lake.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984									
16...	0800	9827	9827	7.4	18.0	7.0	21.0	>6000	--
NOV									
13...	1313	9827	9827	7.5	14.0	7.8	19.0	>600	--
DEC									
11...	0802	9827	9827	7.4	8.0	5.3	1.0	>600	5.8
JAN, 1985									
15...	1233	9827	9827	7.4	6.0	8.9	7.0	>600	5.8
FEB									
19...	1130	9827	9827	7.5	8.0	10.7	10.0	>600	--
MAR									
19...	1256	9827	9827	7.8	--	11.0	--	--	6.4
APR									
16...	0814	9827	9827	7.5	12.0	7.6	18.0	240	--
MAY									
14...	0800	9827	9827	7.5	15.0	3.8	14.0	2000	--
JUN									
11...	0839	9827	9827	7.6	18.0	5.0	20.0	2000	--
JUL									
15...	1743	9827	9827	7.4	25.0	3.1	28.0	>600	--
AUG									
13...	0810	9827	9827	7.5	23.0	2.6	26.0	>600	--
SEP									
10...	1011	9827	9827	7.5	23.0	3.0	28.0	1200	4.0

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984									
16...	0800	--	110	16	10	183	--	2.1	1.00
NOV									
13...	1313	4.0	170	31	20	280	18	5.8	1.20
DEC									
11...	0802	4.0	160	24	17	245	16	>1.0	>1.00
JAN, 1985									
15...	1233	2.5	140	20	15	225	6	3.5	3.00
FEB									
19...	1130	3.6	150	23	19	242	10	2.1	3.85
MAR									
19...	1256	2.0	140	17	13	217	6	3.3	1.50
APR									
16...	0814	2.0	150	15	--	221	4	3.1	2.65
MAY									
14...	0800	2.0	150	20	16	219	8	2.4	2.95
JUN									
11...	0839	4.0	150	14	12	220	8	3.0	.850
JUL									
15...	1743	3.0	130	22	23	262	6	3.0	5.00
AUG									
13...	0810	3.0	140	18	25	287	5	1.6	5.80
SEP									
10...	1011	4.0	150	21	31	275	6	.67	9.00

07188813 LITTLE SUGAR CREEK TRIBUTARY NEAR BENTONVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)
OCT, 1984									
16...	0800	1.20	.880	2	10	26	46	100	--
NOV									
13...	1313	3.10	--	1	3	11	12	40	--
DEC									
11...	0802	--	>1.00	2	3	--	--	--	--
JAN, 1985									
15...	1233	1.90	1.90	1	1	<10	--	20	--
FEB									
19...	1130	2.60	2.30	2	<1	<10	49	20	--
MAR									
19...	1256	--	1.45	1	3	<15	18	20	--
APR									
16...	0814	--	1.70	<1	1	<15	2	10	--
MAY									
14...	0800	2.40	2.05	<1	--	<15	9	--	--
JUN									
11...	0839	1.30	1.15	<1	<1	<15	1	20	--
JUL									
15...	1743	4.70	4.10	<1	<1	<15	1	10	<.001
AUG									
13...	0810	5.50	4.90	<1	<1	<15	<1	10	--
SEP									
10...	1011	6.80	6.50	<1	1	<15	1	<10	--

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)
JUL, 1985								
15...	1743	<.001	<.002	<.001	<.001	<.01	<.01	<1

07188910 BUTLER CREEK NEAR SULPHUR SPRINGS, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
16...	0846	9827	9827	10	7.4	18.0	6.5	21.0	K140
NOV									
13...	1221	9827	9827	7.0	8.0	13.0	11.2	19.0	K20
DEC									
11...	0847	9827	9827	7.0	8.0	9.0	11.5	11.0	K4
JAN, 1985									
15...	1149	9827	9827	33	7.9	5.0	12.1	8.0	K12
FEB									
19...	1045	9827	9827	--	7.7	7.0	14.0	9.0	K4
MAR									
19...	1209	9827	9827	31	8.2	12.0	13.3	19.0	--
APR									
16...	0904	9827	9827	43	8.0	14.0	11.5	21.0	K60
MAY									
14...	0856	9827	9827	--	8.0	15.0	8.7	16.0	860
JUN									
11...	0930	9827	9827	31	8.0	18.0	8.8	22.0	220
JUL									
15...	1646	9827	9827	8.0	8.1	27.0	--	37.0	170
AUG									
13...	0910	9827	9827	2.0	8.0	25.0	6.1	31.0	92
SEP									
10...	1057	9827	9827	1.5	7.9	25.0	7.2	30.0	K40

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
16...	0846	1.0	--	170	13	11	216	--	.95
NOV									
13...	1221	--	3.0	170	10	6.5	205	2	1.8
DEC									
11...	0847	.4	4.0	--	8.0	5.5	184	3	1.8
JAN, 1985									
15...	1149	--	1.0	130	10	5.5	160	1	1.9
FEB									
19...	1045	.4	.90	140	12	5.5	169	2	1.5
MAR									
19...	1209	.9	2.0	120	11	4.5	157	2	1.3
APR									
16...	0904	1.4	2.0	140	8.0	--	161	2	1.3
MAY									
14...	0856	.5	4.0	140	9.0	5.0	161	4	1.0
JUN									
11...	0930	--	5.0	140	8.0	3.5	165	13	1.2
JUL									
15...	1646	1.1	2.0	140	5.0	7.5	173	4	1.1
AUG									
13...	0910	.4	2.0	150	8.0	9.0	205	<1	.98
SEP									
10...	1057	.4	2.0	150	8.0	11	174	6	2.5

07188910 BUTLER CREEK NEAR SULPHUR SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
16...	0846	<.010	.050	.030	1	1	18	23	30
NOV									
13...	1221	.790	.020	--	1	2	13	10	40
DEC									
11...	0847	.040	--	.020	1	7	--	--	--
JAN, 1985									
15...	1149	<.010	.020	.010	1	3	--	--	20
FEB									
19...	1045	.060	.030	.010	1	5	17	34	10
MAR									
19...	1209	.030	--	.030	1	3	22	14	20
APR									
16...	0904	.030	--	.030	<1	1	<15	5	20
MAY									
14...	0856	.030	.050	.030	<1	--	<15	7	--
JUN									
11...	0930	.020	.050	.040	1	1	6	12	170
JUL									
15...	1646	.010	.040	.010	<1	<1	<15	2	40
AUG									
13...	0910	<.010	.040	.050	<1	4	<15	1	<10
SEP									
10...	1057	.020	.040	.050	<1	1	<15	1	10

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)
JUL, 1985									
15...	1646	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07191179 SPAVINAW CREEK NEAR CHEROKEE CITY, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984											
16...	0929	9827	9827	28	310	7.5	18.0	7.1	21.0	K80	1.1
NOV											
13...	1144	9827	9827	74	281	7.9	12.0	10.9	16.0	K12	--
DEC											
11...	0933	9827	9827	82	271	7.9	11.0	10.5	11.0	K24	.4
JAN, 1985											
15...	1115	9827	9827	157	--	7.6	7.0	10.8	9.0	K8	--
FEB											
19...	1009	9827	9827	120	--	7.7	8.0	12.6	8.0	K40	.7
MAR											
19...	1129	9827	9827	176	227	8.0	12.0	12.3	18.0	--	1.1
APR											
16...	0945	9827	9827	131	230	7.9	13.0	11.1	21.0	K40	1.1
MAY											
14...	1000	9827	9827	196	228	7.8	15.0	9.3	18.0	--	.6
JUN											
11...	1015	9827	9827	252	232	7.7	18.0	8.3	24.0	160	--
JUL											
15...	1603	9827	9827	50	281	8.0	22.0	9.4	34.0	K12	1.2
AUG											
13...	0950	9827	9827	38	273	7.9	23.0	8.0	37.0	K24	.4
SEP											
10...	1135	9827	9827	25	294	7.9	23.0	8.6	33.0	K8	.4

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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, 1984										
16...	0929	--	4	140	8.0	14	191	--	2.5	.010
NOV										
13...	1144	2.0	3	130	6.0	11	184	1	2.9	.030
DEC										
11...	0933	3.0	6	--	4.0	10	170	2	2.8	.010
JAN, 1985										
15...	1115	1.5	--	100	8.0	7.5	143	3	3.2	<.010
FEB										
19...	1009	.80	--	110	8.0	9.0	152	1	2.7	.040
MAR										
19...	1129	2.0	2	100	8.0	7.0	145	2	2.5	.040
APR										
16...	0945	2.0	3	110	6.0	--	151	<1	2.6	.020
MAY										
14...	1000	2.0	3	100	5.0	8.0	131	2	2.0	.020
JUN										
11...	1015	3.0	3	100	6.0	6.5	139	4	2.3	.030
JUL										
15...	1603	1.0	2	120	3.0	9.0	160	4	2.0	--
AUG										
13...	0950	2.0	1	130	7.0	11	190	<1	2.1	.010
SEP										
10...	1135	1.0	<1	130	7.0	12	163	4	2.1	.020

07191179 SPAVINAW CREEK NEAR CHEROKEE CITY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1984										
16...	0929	--	<.10	--	.110	.120	1	1	15	15
NOV										
13...	1144	--	<.10	--	.060	--	2	<1	<10	8
DEC										
11...	0933	.19	.20	3.0	--	.070	1	3	--	--
JAN, 1985										
15...	1115	--	.20	3.4	.060	.050	2	1	--	--
FEB										
19...	1009	.06	.10	2.8	.050	.050	1	1	10	28
MAR										
19...	1129	.16	.20	2.7	--	.050	1	1	<15	13
APR										
16...	0945	.08	.10	2.7	--	.050	<1	1	<15	2
MAY										
14...	1000	--	--	--	.100	.080	<1	--	<15	3
JUN										
11...	1015	--	<.10	--	.060	.070	<1	<1	<15	1
JUL										
15...	1603	--	<.10	--	.080	--	<1	<1	<15	1
AUG										
13...	0950	--	--	--	.080	.080	<1	<1	<15	<1
SEP										
10...	1135	.38	.40	2.5	.090	.090	<1	1	<15	1

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984										
16...	0929	30	--	--	--	--	--	--	--	--
NOV										
13...	1144	20	--	--	--	--	--	--	--	--
JAN, 1985										
15...	1115	20	--	--	--	--	--	--	--	--
FEB										
19...	1009	10	--	--	--	--	--	--	--	--
MAR										
19...	1129	30	--	--	--	--	--	--	--	--
APR										
16...	0945	10	--	--	--	--	--	--	--	--
JUN										
11...	1015	40	--	--	--	--	--	--	--	--
JUL										
15...	1603	20	--	--	--	--	--	--	--	--
AUG										
13...	0950	<10	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
SEP										
10...	1135	10	--	--	--	--	--	--	--	--

07194800 ILLINOIS RIVER AT SAVOY, ARK.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984											
16...	1052	9827	9827	30	--	7.6	19.0	5.4	18.0	220	1.9
NOV											
13...	0946	9827	9827	175	--	7.7	10.0	10.0	12.0	120	--
DEC											
11...	1105	9827	9827	225	--	7.7	10.0	10.5	14.0	K56	.9
JAN, 1985											
15...	0943	9827	9827	245	--	7.5	3.0	11.9	7.0	940	--
FEB											
19...	0839	9827	9827	--	--	7.6	6.0	11.2	7.0	1300	2.4
MAR											
04...	1241	9827	9827	--	--	--	10.5	--	15.0	56	--
19...	0956	9827	9827	230	--	7.7	12.0	10.6	14.0	--	1.8
APR											
16...	1123	9827	9827	165	--	8.0	17.0	11.6	26.0	170	1.7
MAY											
14...	1103	9827	9827	140	--	7.8	19.0	7.7	18.0	2300	1.4
JUN											
11...	1225	9827	9827	285	--	7.8	22.0	7.4	25.0	K290	--
JUL											
16...	1100	9827	9827	18	--	7.9	27.0	6.6	34.0	80	2.4
AUG											
06...	1217	9827	9827	660	249	7.6	24.0	5.5	31.0	47000	5.1
20...	1257	9827	9827	--	213	7.6	25.0	7.5	30.0	--	1.5
SEP											
03...	1300	9827	9827	8.0	--	7.5	25.5	7.9	27.0	K68	.9
17...	1339	9827	9827	--	--	7.7	23.0	7.9	28.0	--	2.5

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984										
16...	1052	--	140	13	10	183	--	--	.040	--
NOV										
13...	0946	5.0	130	15	9.5	192	4	3.0	.040	--
DEC										
11...	1105	6.0	--	14	8.0	140	4	3.1	.040	--
JAN, 1985										
15...	0943	7.0	100	13	8.5	143	9	3.2	.180	--
FEB										
19...	0839	5.4	110	17	8.5	144	8	2.2	.210	--
MAR										
19...	0956	5.0	94	13	6.0	136	8	2.1	.030	--
APR										
16...	1123	5.0	110	10	--	147	14	2.2	.030	--
MAY										
14...	1103	8.0	120	10	8.0	152	16	2.3	.050	--
JUN										
11...	1225	15	96	11	6.0	133	21	2.0	.040	--
JUL										
16...	1100	6.0	130	5.0	9.5	169	14	1.4	.030	--
AUG										
06...	1217	150	54	10	10	166	362	1.3	.160	1.8
20...	1257	30	98	12	7.5	164	16	1.7	.030	.67
SEP										
03...	1300	6.0	130	8.0	11	--	--	1.6	.030	.07
17...	1339	15	140	7.0	12	170	44	1.5	.050	--

07194800 ILLINOIS RIVER AT SAVOY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984										
16...	1052	--	--	--	--	2	1	15	27	40
NOV										
13...	0946	--	--	.050	--	2	<1	12	21	30
DEC										
11...	1105	--	--	--	.050	1	2	--	--	--
JAN, 1985										
15...	0943	--	--	.080	.040	19	2	--	--	90
FEB										
19...	0839	--	--	.070	.040	2	<1	<10	49	20
MAR										
19...	0956	--	--	--	.040	1	8	<15	22	30
APR										
16...	1123	--	--	--	.020	<1	1	<15	6	10
MAY										
14...	1103	--	--	.120	.070	<1	--	<15	5	--
JUN										
11...	1225	--	--	.110	.070	<1	<1	<15	1	20
JUL										
16...	1100	--	--	.090	.030	<1	<1	36	2	30
AUG										
06...	1217	2.0	3.3	.810	.230	--	--	--	--	--
20...	1257	.70	2.4	.200	--	--	--	--	--	--
SEP										
03...	1300	.10	1.7	.090	.140	<1	<1	<15	8	10
17...	1339	<.10	--	.130	.070	--	--	--	--	--

07195000 OSAGE CREEK NEAR ELM SPRINGS, ARK.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984										
16...	0707	9827	9827	--	7.6	18.0	6.7	21.0	K15000	5.7
NOV										
13...	1349	9827	9827	--	7.8	13.0	10.9	16.0	180	--
DEC										
11...	0710	9827	9827	--	7.6	8.0	8.2	-1.0	K48	1.8
JAN, 1985										
15...	1308	9827	9827	--	7.5	8.0	10.7	7.0	K32	--
MAR										
19...	1431	9827	9827	--	7.9	--	12.0	--	--	1.7
APR										
16...	0730	9827	9827	--	7.7	13.0	8.5	15.0	120	1.7
MAY										
14...	0717	9827	9827	--	7.6	16.0	6.3	17.0	--	3.3
JUN										
11...	0745	9827	9827	--	7.7	18.0	7.4	20.0	K1200	--
JUL										
16...	0832	9827	9827	--	7.8	22.0	6.5	27.0	370	1.7
AUG										
06...	0818	9827	9827	227	7.6	22.0	6.7	22.0	16000	2.3
20...	1601	9827	9827	280	8.0	24.0	8.9	28.0	--	1.1
SEP										
03...	1558	9827	9827	--	7.6	23.5	8.0	27.0	200	.9
17...	1529	9827	9827	--	8.0	23.0	8.3	28.0	--	2.5

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984										
16...	0707	--	120	14	13	201	--	4.3	.120	--
NOV										
13...	1349	4.0	130	11	14	210	6	5.4	.130	--
DEC										
11...	0710	4.0	--	10	11	183	13	4.9	.210	--
JAN, 1985										
15...	1308	4.0	110	9.0	11	162	12	5.0	.170	--
MAR										
19...	1431	3.0	110	8.0	8.0	168	6	4.6	.050	--
APR										
16...	0730	4.0	110	8.0	--	169	5	4.8	.080	--
MAY										
14...	0717	4.0	100	9.0	11	162	14	4.6	.280	--
JUN										
11...	0745	7.0	110	8.0	9.5	155	13	4.0	.070	--
JUL										
16...	0832	4.0	130	8.0	14	196	10	4.8	--	--
AUG										
06...	0818	35	86	10	7.5	147	50	2.5	.070	.43
20...	1601	5.0	120	11	12	186	4	3.9	.010	.49
SEP										
03...	1558	4.0	130	9.0	13	--	--	4.0	.010	.09
17...	1529	4.0	130	11	16	193	6	4.8	.020	.78

ARKANSAS RIVER BASIN

07195000 OSAGE CREEK NEAR ELM SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984										
16...	0707	--	--	1.25	1.10	2	3	24	22	60
NOV										
13...	1349	--	--	.790	--	<1	<1	13	7	30
DEC										
11...	0710	--	--	--	.610	17	3	--	--	--
JAN, 1985										
15...	1308	--	--	.280	.290	1	1	--	--	20
MAR										
19...	1431	--	--	--	.280	<1	3	8	4	20
APR										
16...	0730	--	--	--	.450	1	1	16	15	30
MAY										
14...	0717	--	--	.670	.590	<1	--	<15	2	--
JUN										
11...	0745	--	--	.420	.390	<1	<1	<15	1	20
JUL										
16...	0832	--	--	.970	.950	<1	1	<15	1	10
AUG										
06...	0818	.50	3.0	.640	.650	--	--	--	--	--
20...	1601	.50	4.4	.720	.640	--	--	--	--	--
SEP										
03...	1558	.10	4.1	.770	.810	<1	1	<15	1	<10
17...	1529	.80	5.6	1.20	1.25	--	--	--	--	--

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)
JUL, 1985									
16...	0832	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07195400 ILLINOIS RIVER NEAR SILOAM SPRINGS, ARK.

LOCATION.--Lat 36°08'41", long 94°29'41", in SW 1/4 SW 1/4 sec.15, T.17 N., R.33 W., Benton County, Hydrologic Unit 11110103, on right bank at downstream side of bridge on State Highway 16, 8.2 mi downstream from Osage Creek, and 4.6 mi southeast of Siloam Springs.

DRAINAGE AREA.--509 mi^2.

PERIOD OF RECORD.--October 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984										
16...	1027	9827	9827	940	--	7.1	18.0	5.9	19.0	>6000
NOV										
13...	1026	9827	9827	322	--	7.7	10.0	9.9	12.0	K64
DEC										
11...	1042	9827	9827	495	--	7.8	10.0	10.2	14.0	K40
JAN, 1985										
15...	1013	9827	9827	860	--	7.5	5.0	11.3	3.0	K40
FEB										
19...	0913	9827	9827	--	--	7.6	7.0	11.2	5.0	K16
MAR										
19...	1031	9827	9827	920	--	7.7	12.0	9.9	17.0	--
APR										
16...	1058	9827	9827	630	--	7.9	15.0	10.9	27.0	K44
MAY										
14...	1039	9827	9827	490	--	7.8	18.0	8.2	17.0	460
JUN										
11...	1145	9827	9827	940	--	7.7	20.0	7.3	25.0	430
JUL										
16...	1033	9827	9827	165	--	7.9	26.0	6.9	32.0	K36
AUG										
06...	1127	9827	9827	640	194	7.4	24.0	6.1	28.0	3500
20...	1339	9827	9827	--	248	7.6	25.0	7.9	33.0	--
SEP										
03...	1329	9827	9827	125	--	7.6	25.0	8.2	27.0	K40
17...	1206	9827	9827	--	--	7.7	22.0	8.3	27.0	--

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, 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, 1984										
16...	1027	--	--	66	11	7.0	150	--	1.6	.100
NOV										
13...	1026	--	4.0	120	11	11	174	5	3.5	.010
DEC										
11...	1042	.8	6.0	--	15	8.5	156	7	3.0	.020
JAN, 1985										
15...	1013	--	4.5	100	10	8.5	149	10	3.8	.020
FEB										
19...	0913	1.6	4.2	110	12	9.5	149	9	2.8	.030
MAR										
19...	1031	1.4	5.0	94	9.0	6.5	143	8	3.0	.040
APR										
16...	1058	1.5	5.0	100	7.0	--	146	8	2.9	.020
MAY										
14...	1039	.8	2.0	110	6.0	9.0	139	14	32	.010
JUN										
11...	1145	--	15	98	8.0	7.0	134	22	2.4	.020
JUL										
16...	1033	.7	4.0	120	6.0	11	171	11	2.2	.010
AUG										
06...	1127	1.4	50	80	9.0	7.0	139	13	1.7	.060
20...	1339	.9	15	110	10	9.5	168	<4	2.0	<.010
SEP										
03...	1329	.4	5.0	120	8.0	12	--	--	--	--
17...	1206	1.3	5.0	120	8.0	13	171	14	2.2	.010

07195400 ILLINOIS RIVER NEAR SILOAM SPRINGS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1984										
16...	1027	--	--	--	.850	.130	4	9	30	44
NOV										
13...	1026	--	--	--	.200	--	1	<1	12	18
DEC										
11...	1042	--	--	--	--	.160	1	2	--	--
JAN, 1985										
15...	1013	--	--	--	.110	.110	--	1	--	--
FEB										
19...	0913	--	--	--	.160	.150	1	1	13	48
MAR										
19...	1031	--	--	--	--	.110	1	1	15	17
APR										
16...	1058	--	--	--	--	.120	<1	<1	<15	4
MAY										
14...	1039	--	--	--	.230	.180	<1	--	<15	3
JUN										
11...	1145	--	--	--	.190	.160	<1	<1	<15	1
JUL										
16...	1033	--	--	--	.340	.270	<1	<1	19	1
AUG										
06...	1127	.64	.70	2.4	.440	--	--	--	--	--
20...	1339	--	.60	2.6	.310	.270	--	--	--	--
SEP										
03...	1329	--	--	--	.320	.310	<1	1	15	1
17...	1206	.09	.10	2.3	.380	.370	--	--	--	--

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984										
16...	1027	80	--	--	--	--	--	--	--	--
NOV										
13...	1026	30	--	--	--	--	--	--	--	--
JAN, 1985										
15...	1013	50	--	--	--	--	--	--	--	--
FEB										
19...	0913	20	--	--	--	--	--	--	--	--
MAR										
19...	1031	40	--	--	--	--	--	--	--	--
APR										
16...	1058	10	--	--	--	--	--	--	--	--
JUN										
11...	1145	10	--	--	--	--	--	--	--	--
JUL										
16...	1033	20	--	--	--	--	--	--	--	--
AUG										
06...	1127	--	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
SEP										
03...	1329	<10	--	--	--	--	--	--	--	--

07195800 FLINT CREEK AT SPRINGTOWN, ARK.

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 above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--24 years, 13.5 ft^3/s, 12.91 in/yr, 9,780 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,600 ft^3/s June 8, 1974, gage height, 17.51 ft, from flood-marks, 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.--Peak discharges greater than base discharge of 260 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 16	0530	368	6.16	Dec. 31	1915	762	7.87
Oct. 20	1545	451	6.59	Feb. 23	0930	782	7.94
Dec. 21	0245	*1,970	*10.50	Mar. 30	0745	1,470	9.86

minimum discharge, 2.3 ft^3/s Oct. 4, 5, gage height 3.40 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	23	14	127	11	38	112	108	12	9.8	7.2	18
2	2.8	24	13	71	11	34	91	88	12	9.5	7.3	16
3	2.6	24	11	57	10	31	79	76	12	9.3	7.4	17
4	2.4	22	11	47	10	39	70	64	15	9.2	8.2	16
5	3.2	19	11	40	10	35	65	55	46	8.9	9.8	15
6	8.9	21	9.7	35	9.8	33	55	49	55	8.6	9.2	14
7	4.9	21	9.5	31	9.4	31	48	47	55	8.3	8.4	15
8	3.9	16	9.6	28	9.3	29	42	42	47	7.9	7.9	15
9	4.6	10	9.5	27	9.6	27	37	36	41	7.8	7.4	17
10	7.3	11	9.3	26	17	26	33	32	37	7.8	7.3	20
11	5.2	10	9.3	23	17	25	31	30	33	7.1	7.0	18
12	7.0	10	9.5	21	16	23	27	28	29	6.9	6.8	25
13	7.0	9.8	72	20	16	42	24	28	25	6.9	6.8	21
14	6.3	9.6	70	18	14	43	22	27	22	6.6	7.2	18
15	11	11	51	18	13	39	20	24	19	6.7	7.3	16
16	98	9.3	43	17	13	35	17	22	18	7.1	6.3	15
17	30	16	36	16	12	32	17	21	17	7.1	9.8	13
18	23	28	30	15	12	30	16	19	16	6.7	22	13
19	19	29	27	14	11	28	16	18	14	6.5	19	11
20	179	26	32	13	11	27	15	17	13	6.3	18	10
21	89	22	638	12	14	26	15	16	13	6.2	22	9.6
22	59	18	93	12	17	25	20	20	14	6.3	22	9.1
23	45	17	67	11	293	23	17	17	13	6.4	22	11
24	36	15	54	11	115	22	15	16	13	6.7	28	9.7
25	38	13	44	12	85	22	14	15	12	6.8	25	12
26	31	17	39	11	68	21	14	14	11	9.7	24	10
27	28	24	35	11	53	29	16	13	11	7.5	23	9.1
28	24	21	31	11	43	27	15	13	11	6.9	23	8.1
29	19	18	32	11	---	47	14	14	10	6.7	21	8.5
30	17	17	60	11	---	401	109	14	10	6.4	20	9.1
31	14	---	249	11	---	144	---	13	---	6.9	19	---
TOTAL	829.2	531.7	1829.4	788	930.1	1434	1086	996	656	231.5	439.3	419.2
MEAN	26.7	17.7	59.0	25.4	33.2	46.3	36.2	32.1	21.9	7.47	14.2	14.0
MAX	179	29	638	127	293	401	112	108	55	9.8	28	25
MIN	2.4	9.3	9.3	11	9.3	21	14	13	10	6.2	6.3	8.1
CFSM	1.88	1.25	4.15	1.79	2.34	3.26	2.55	2.26	1.54	.53	1.00	.99
IN.	2.17	1.39	4.79	2.06	2.44	3.76	2.85	2.61	1.72	.61	1.15	1.10
AC-FT	1640	1050	3630	1560	1840	2840	2150	1980	1300	459	871	831

CAL YR 1984	TOTAL	6109.8	MEAN	16.7	MAX	638	MIN	2.4	CFSM	1.18	IN.	16.01	AC-FT	12120
WTR YR 1985	TOTAL	10170.4	MEAN	27.9	MAX	638	MIN	2.4	CFSM	1.96	IN.	26.64	AC-FT	20170

07195855 FLINT CREEK NEAR WEST SILOAM SPRINGS, OKLA.

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 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 958.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Oct. 24-30, Nov. 1 to Dec. 10, Feb. 3-27, Mar. 2 to Apr. 15, Apr. 17-22, Aug. 18-20, and Aug. 22 to Sept. 23. Records good except for estimated daily discharges, which are fair. Flow is partially regulated by Lake Siloam Spring, 4.5 mi upstream, and sewage discharge into Flint Creek from city of Gentry.

AVERAGE DISCHARGE.--6 years, 33.9 ft^3/s, 24,560 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,590 ft^3/s Dec. 21, 1984, gage height, 11.99 ft; minimum daily, 0.40 ft^3/s Aug. 7, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,590 ft^3/s Dec. 21, gage height, 11.99 ft; minimum daily, 7.9 ft^3/s Oct. 4.

REVISIONS.--The maximum discharges for the period June to September 1979 and water years 1980-83 have been revised, as shown in the following table. They supersede figures published in the reports for 1979-83.

Water Year	Date	Discharge (ft^3/s)	Gage Height (ft)
1979 (Jun. to Sept.)	Jul. 31, 1979	126	4.56
1980	Nov. 21, 1979	139	4.65
1981	Aug. 3, 1981	356	5.64
1982	Jan. 30, 1982	1,340	7.85
1983	Dec. 3, 1982	409	5.83

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	110	60	664	53	133	500	307	48	34	21	45
2	8.4	120	55	318	51	120	420	203	48	33	21	40
3	8.2	100	50	238	45	110	340	163	46	31	18	50
4	7.9	90	45	197	40	220	280	139	50	31	18	45
5	9.0	80	45	171	35	160	240	121	287	31	22	40
6	14	85	40	154	35	135	200	108	166	30	29	35
7	11	80	40	141	35	120	175	101	160	30	23	40
8	9.8	45	45	128	35	110	150	95	133	30	20	45
9	9.5	35	35	120	35	100	135	86	114	28	18	55
10	9.3	40	30	119	80	90	120	81	103	27	17	65
11	9.3	35	27	110	75	85	110	78	92	26	17	50
12	9.4	30	32	102	70	75	100	73	83	25	16	70
13	9.7	30	300	96	60	140	90	74	77	23	16	60
14	10	25	311	95	55	130	85	75	72	22	16	50
15	12	40	189	90	55	120	80	69	71	23	15	45
16	89	35	155	87	50	110	75	64	66	24	15	40
17	95	85	128	84	45	100	70	61	61	24	15	35
18	63	300	110	81	45	90	70	60	58	24	30	35
19	66	170	101	77	45	80	65	57	55	24	25	25
20	526	125	101	70	45	70	65	54	53	24	20	25
21	331	95	2100	68	50	85	75	55	50	24	14	20
22	63	80	429	66	80	80	90	60	52	24	15	15
23	58	70	277	66	220	75	70	56	50	23	20	15
24	105	60	209	64	700	70	60	54	49	22	80	12
25	200	50	169	64	400	70	59	52	46	22	70	14
26	160	200	147	59	240	70	55	50	44	46	70	13
27	120	150	131	61	180	105	66	49	41	31	60	13
28	95	110	118	59	148	90	61	51	38	27	55	13
29	75	95	115	58	---	350	59	53	36	25	50	13
30	65	70	248	58	---	1450	330	54	35	23	50	13
31	50	---	637	56	---	700	---	50	---	22	45	---
TOTAL	2307.7	2640	6479	3821	3007	5443	4295	2653	2284	833	921	1036
MEAN	74.4	88.0	209	123	107	176	143	85.6	76.1	26.9	29.7	34.5
MAX	526	300	2100	664	700	1450	500	307	287	46	80	70
MIN	7.9	25	27	56	35	70	55	49	35	22	14	12
AC-FT	4580	5240	12850	7580	5960	10800	8520	5260	4530	1650	1830	2050

CAL YR 1984	TOTAL	19599.0	MEAN	53.5	MAX	2100	MIN	3.5	AC-FT	38870
WTR YR 1985	TOTAL	35719.7	MEAN	97.9	MAX	2100	MIN	7.9	AC-FT	70850

07196900 BARON FORK AT DUTCH MILLS, ARK.

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 above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Water-discharge records good.

AVERAGE DISCHARGE.--27 years, 60.0 ft^3/s, 11.13 in/yr, 27,310 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, and 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge 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)
Oct. 20	0700	3,500	8.26	Feb. 23	0830	*5,690	*9.61
Dec. 21	0715	3,500	8.26	Mar. 30	0215	2,300	7.23
Dec. 31	1745	2,880	7.77				

Minimum discharge, 0.07 ft^3/s Sept. 28, 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	112	53	347	26	84	132	150	9.7	3.9	1.7	2.7
2	2.1	86	46	158	26	74	98	90	37	3.6	1.8	2.4
3	2.1	55	40	112	25	65	82	58	14	3.4	2.1	2.1
4	2.0	43	36	91	24	322	70	43	65	3.0	2.6	2.1
5	2.6	35	36	78	22	133	62	36	90	2.9	11	1.9
6	3.3	29	33	69	21	93	53	30	198	2.5	114	1.5
7	3.7	26	31	60	22	77	46	27	151	2.4	24	1.5
8	3.6	23	36	53	20	67	42	25	65	2.2	12	1.4
9	3.3	22	36	57	19	59	38	22	41	2.0	6.9	1.3
10	7.4	20	31	73	70	53	36	20	31	1.9	5.0	.88
11	7.8	19	28	55	63	49	35	19	30	1.9	3.9	1.9
12	6.9	18	27	45	45	44	32	18	23	1.7	3.4	2.0
13	8.9	17	334	42	42	95	32	21	19	1.5	3.0	1.8
14	9.6	17	181	40	38	94	35	25	17	1.5	3.9	1.6
15	15	29	109	37	35	66	30	18	16	1.4	7.1	1.2
16	37	21	164	36	33	55	27	15	14	1.5	6.9	.77
17	22	133	103	35	30	47	25	13	12	1.6	6.6	.88
18	91	586	97	33	31	43	23	12	12	1.5	16	.67
19	52	180	107	30	33	39	22	12	9.8	1.4	17	.48
20	933	98	272	28	31	55	21	11	8.4	1.2	9.8	.47
21	169	72	1230	26	32	102	20	12	7.7	1.4	7.2	.33
22	80	57	238	25	55	80	71	28	13	1.7	6.1	.28
23	55	48	148	23	1660	60	68	17	11	1.9	5.4	.53
24	47	43	109	23	319	49	39	13	8.0	2.1	5.7	1.1
25	225	39	84	22	168	43	30	11	6.9	2.1	4.8	2.8
26	108	286	72	20	117	39	25	9.7	6.2	2.7	3.8	1.6
27	74	277	64	22	90	66	37	10	5.4	3.1	3.6	.20
28	57	115	59	22	76	52	33	20	5.1	2.3	3.5	.11
29	44	83	59	22	---	300	28	22	4.8	2.1	3.3	.13
30	37	65	99	24	---	988	410	15	4.5	2.0	3.1	1.1
31	33	---	728	25	---	220	---	11	---	1.8	3.0	---
TOTAL	2144.5	2654	4690	1733	3173	3613	1702	833.7	935.5	66.2	308.2	37.73
MEAN	69.2	88.5	151	55.9	113	117	56.7	26.9	31.2	2.14	9.94	1.26
MAX	933	586	1230	347	1660	988	410	150	198	3.9	114	2.8
MIN	2.0	17	27	20	19	39	20	9.7	4.5	1.2	1.7	.11
CFSM	1.50	1.92	3.28	1.22	2.46	2.54	1.23	.58	.68	.05	.22	.03
IN.	1.73	2.15	3.79	1.40	2.57	2.92	1.38	.67	.76	.05	.25	.03
AC-FT	4250	5260	9300	3440	6290	7170	3380	1650	1860	131	611	75

CAL YR 1984	TOTAL	18959.25	MEAN	51.8	MAX	1230	MIN	.86	CFSM	1.13	IN.	15.33	AC-FT	37610
WTR YR 1985	TOTAL	21890.83	MEAN	60.0	MAX	1660	MIN	.11	CFSM	1.30	IN.	17.70	AC-FT	43420

07196900 BARON FORK AT DUTCH MILLS, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1960 to September 1961, 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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984										
16...	1137	9827	9827	--	7.7	19.0	5.4	18.0	K180	--
NOV										
13...	0904	9827	9827	--	7.7	10.0	9.3	11.0	290	--
DEC										
11...	1145	9827	9827	--	7.9	10.0	12.1	14.0	K72	.7
JAN, 1985										
15...	0857	9827	9827	--	7.6	2.0	12.3	.0	190	--
FEB										
19...	0723	9827	9827	--	7.6	6.0	11.3	3.0	K56	2.1
MAR										
19...	0912	9827	9827	--	7.8	11.0	11.2	15.0	--	1.6
APR										
16...	1207	9827	9827	--	8.2	16.0	13.4	23.0	96	1.5
MAY										
14...	1141	9827	9827	--	7.9	18.0	7.5	20.0	--	2.5
JUN										
11...	1315	9827	9827	--	7.7	25.0	6.9	26.0	K1000	--
JUL										
16...	1145	9827	9827	--	8.0	29.0	6.1	35.0	230	1.4
AUG										
07...	1547	9827	9827	189	7.5	25.0	6.6	33.0	--	6.8
20...	1020	9827	9827	340	7.5	24.0	5.5	27.0	--	1.0
SEP										
03...	1048	9827	9827	--	7.0	26.0	7.7	28.0	110	1.0

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984										
16...	1137	--	170	23	13	236	--	1.8	.280	--
NOV										
13...	0904	3.0	160	21	9.5	209	4	3.3	.010	--
DEC										
11...	1145	4.0	--	12	7.0	177	2	3.4	.010	--
JAN, 1985										
15...	0857	7.5	130	14	7.0	169	16	3.7	<.010	--
FEB										
19...	0723	4.5	130	19	7.5	172	8	2.8	.050	--
MAR										
19...	0912	3.0	130	17	5.5	174	6	2.4	.030	--
APR										
16...	1207	3.0	140	12	--	171	4	2.1	.040	--
MAY										
14...	1141	4.0	140	15	9.5	181	9	2.6	.230	--
JUN										
11...	1315	25	86	19	3.5	121	32	.38	.050	--
JUL										
16...	1145	4.0	160	7.0	7.5	200	8	.08	<.010	--
AUG										
07...	1547	100	70	15	5.5	148	2	3.0	.660	1.7
20...	1020	3.0	170	17	9.0	230	4	3.2	.050	.65
SEP										
03...	1048	2.0	150	11	8.0	--	--	.21	.030	.27

07196900 BARON FORK AT DUTCH MILLS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984										
16...	1137	--	--	.390	.450	1	7	17	18	40
NOV										
13...	0904	--	--	.110	--	2	<1	13	28	40
DEC										
11...	1145	--	--	--	.090	1	2	--	--	--
JAN, 1985										
15...	0857	--	--	.100	.070	--	2	--	--	--
FEB										
19...	0723	--	--	.100	.080	3	1	10	70	30
MAR										
19...	0912	--	--	--	.060	1	1	19	24	40
APR										
16...	1207	--	--	--	.060	<1	<1	<15	4	10
MAY										
14...	1141	--	--	.250	.180	<1	--	<15	4	--
JUN										
11...	1315	--	--	.070	.030	<1	1	<15	1	20
JUL										
16...	1145	--	--	.110	.030	<1	<1	17	1	20
AUG										
07...	1547	2.4	5.4	.840	.550	--	--	--	--	--
20...	1020	.70	3.9	.250	.230	--	--	--	--	--
SEP										
03...	1048	.30	.51	.120	.100	<1	<1	<15	1	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)
SEP, 1985									
03...	1048	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07246940 POTEAU RIVER AT WALDRON, ARK.

LOCATION.--Lat 34°53'46", long 94°03'57", in SW 1/4 SE 1/4 sec.22, T.3 N., R.29 W., Scott County, Hydrologic Unit 11110105, at downstream side of bridge on State Highway 80 in Waldron, 1.8 mi east of Waldron High School.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984									
23...	1024	9827	9827	6.5	15.0	9.2	10.0	K70	--
NOV									
20...	1004	9827	9827	6.8	8.0	10.6	5.0	K1900	1.6
DEC									
18...	1012	9827	9827	6.9	12.0	9.4	9.0	--	--
MAR, 1985									
26...	1040	9827	9827	6.9	--	9.1	--	--	3.3
APR									
16...	0915	9827	9827	6.9	17.0	8.5	20.0	>600	5.0
MAY									
14...	1000	9827	9827	7.3	20.0	5.4	19.0	1400	--
JUN									
11...	0930	9827	9827	7.3	25.0	4.7	21.0	220	5.2
JUL									
16...	1015	9827	9827	7.6	28.0	--	30.0	K14	--
AUG									
13...	0945	9827	9827	7.8	28.0	4.7	30.0	--	3.9
SEP									
10...	0845	9827	9827	7.3	24.0	--	23.0	K220	3.0

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984									
23...	1024	55	16	10	4.5	66	33	.07	--
NOV									
20...	1004	30	26	10	5.5	66	18	.20	.030
DEC									
18...	1012	--	32	--	5.5	97	46	.18	.120
MAR, 1985									
26...	1040	30	16	11	4.5	56	24	.26	.330
APR									
16...	0915	25	20	12	6.0	76	14	.71	.280
MAY									
14...	1000	15	32	15	12	--	17	--	4.50
JUN									
11...	0930	20	34	14	23	130	35	1.3	7.10
JUL									
16...	1015	7.0	--	16	--	174	10	.08	.060
AUG									
13...	0945	15	58	--	82	292	32	.27	.020
SEP									
10...	0845	90	--	15	54	224	74	.07	.130

07246940 POTEAU RIVER EAST OF WALDRON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)
OCT, 1984									
23...	1024	.090	--	1	--	<10	13	20	--
NOV									
20...	1004	--	.080	1	3	<10	18	20	--
DEC									
18...	1012	--	.090	2	<1	11	23	40	<.002
MAR, 1985									
26...	1040	--	.170	<1	<1	16	10	--	--
APR									
16...	0915	.400	.300	1	<1	18	5	30	--
MAY									
14...	1000	1.60	1.35	<1	<1	<15	--	40	--
JUN									
11...	0930	3.90	3.70	<1	41	<15	--	--	--
JUL									
16...	1015	1.85	1.60	<1	<1	<15	2	10	--
AUG									
13...	0945	8.50	6.80	<1	<1	<15	--	10	--
SEP									
10...	0845	7.60	6.20	<1	3	<15	--	--	--

DATE	TIME	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, 1984								
18...	1012	<.002	<.004	<.002	<.002	<.01	<.01	<1

07246950 POTEAU RIVER NORTHWEST OF WALDRON, ARK.

LOCATION.--Lat 34°54'47", long 94°06'28", in SE 1/4 SW 1/4 sec.17, T.3 N., R.29 W., Scott County, Hydrologic Unit 11110105, at bridge on U.S. Highway 71, 0.9 mi north of Waldron city limits and Kansas City Southern Railroad crossing.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984									
23...	1059	9827	9827	6.6	15.0	9.1	10.0	450	--
NOV									
20...	1035	9827	9827	6.8	9.0	10.6	5.0	K8800	--
DEC									
18...	1037	9827	9827	7.0	12.0	9.3	9.0	K12000	--
JAN, 1985									
29...	1203	9827	9827	7.1	5.0	12.6	4.0	14000	1.4
FEB									
26...	1047	9827	9827	6.8	10.0	10.7	18.0	6800	4.3
MAR									
26...	1100	9827	9827	7.3	--	10.4	--	--	3.8
APR									
16...	1005	9827	9827	7.0	18.0	7.6	21.0	>600	2.8
MAY									
14...	1345	9827	9827	7.4	24.0	5.6	23.0	--	--
JUN									
11...	0950	9827	9827	7.4	23.0	4.5	22.0	2900	5.2
JUL									
16...	1045	9827	9827	7.3	28.0	--	30.0	--	--
AUG									
13...	1000	9827	9827	7.1	29.0	.5	29.0	--	18
SEP									
10...	0915	9827	9827	6.7	23.0	--	24.0	--	10

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984									
23...	1059	40	20	--	5.0	23	40	.25	--
NOV									
20...	1035	30	18	10	6.0	66	37	.23	.240
DEC									
18...	1037	--	34	--	8.0	101	30	.24	.280
JAN, 1985									
29...	1203	--	16	11	9.0	56	10	.22	.130
FEB									
26...	1047	40	24	11	6.5	64	191	.19	.740
MAR									
26...	1100	25	16	11	5.0	65	23	.09	1.00
APR									
16...	1005	25	20	11	5.0	62	14	.09	.790
MAY									
14...	1345	15	32	15	13	--	30	--	7.90
JUN									
11...	0950	80	34	16	18	126	56	.35	6.30
JUL									
16...	1045	8.0	--	33	--	336	12	.08	4.15
AUG									
13...	1000	15	86	--	74	337	22	.02	6.10
SEP									
10...	0915	180	--	20	18	140	111	.51	1.80

ARKANSAS RIVER BASIN

07246950 POTEAU RIVER NORTHWEST OF WALDRON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1984								
23...	1059	.270	--	2	--	13	13	40
NOV								
20...	1035	--	.470	2	3	13	19	40
DEC								
18...	1037	--	.310	1	4	13	8	30
JAN, 1985								
29...	1203	--	.060	2	<1	18	33	30
FEB								
26...	1047	--	.210	<1	<1	14	3	<10
MAR								
26...	1100	--	.340	<1	<1	19	12	--
APR								
16...	1005	.380	.290	1	1	22	7	30
MAY								
14...	1345	2.40	2.00	1	<1	27	--	60
JUN								
11...	0950	3.05	2.95	1	3	30	--	--
JUL								
16...	1045	23.0	19.5	<1	<1	21	2	20
AUG								
13...	1000	20.0	17.5	<1	3	<15	--	20
SEP								
10...	0915	3.90	3.00	<1	4	<15	--	--

07247000 POTEAU RIVER AT CAUTHRON, ARK.

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 above National Geodetic Vertical Datum of 1929. Prior to May 2, 1939, nonrecording gage at present site and datum.

REMARKS.--No estimated daily discharges. Records good. 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-storage capacity.

AVERAGE DISCHARGE.--46 years, 219 ft^3/s, 158,700 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, 14,500 ft^3/s Oct. 21, gage height, 20.24 ft; minimum discharge, 0.29 ft^3/s Sept. 6-9, gage height 3.21 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	2660	419	976	304	570	758	1030	67	12	2.3	1.1
2	15	2470	352	607	284	492	524	749	56	10	1.9	.57
3	11	1100	291	505	241	398	417	565	46	127	2.1	.39
4	8.6	753	243	407	217	764	346	454	40	106	2.6	.38
5	171	580	516	346	218	652	282	369	36	58	3.6	.33
6	1920	448	569	314	213	453	235	297	46	36	4.3	.29
7	1700	366	325	277	200	378	192	244	47	25	4.9	.29
8	606	293	294	218	220	329	160	216	53	17	8.2	.29
9	319	241	269	188	295	279	139	187	39	11	8.2	.90
10	731	194	237	435	791	240	125	162	37	8.8	6.1	2.1
11	346	159	207	307	614	210	125	148	178	9.9	4.5	7.9
12	266	131	195	216	410	177	141	135	99	8.9	3.3	17
13	389	113	340	185	350	156	127	145	62	7.3	2.5	12
14	414	100	871	185	295	186	287	194	43	5.8	2.5	9.8
15	1140	631	746	166	248	163	190	143	36	4.7	2.3	7.6
16	778	318	714	184	218	138	152	117	33	5.8	2.4	5.9
17	1110	182	566	286	190	127	131	101	30	273	2.4	4.2
18	766	3300	899	201	178	114	119	88	371	83	2.2	3.2
19	2200	1410	863	168	346	100	108	80	280	24	2.7	2.2
20	5870	847	1670	141	352	690	97	73	110	12	3.0	1.8
21	7550	569	1700	115	289	1770	90	72	61	8.2	2.4	1.2
22	1860	431	1200	109	879	1200	2450	121	284	7.1	2.0	.91
23	1640	359	793	110	3960	778	3610	138	289	7.3	2.0	.68
24	1590	297	603	115	1970	564	1230	97	116	11	3.0	.52
25	5850	254	460	115	1170	417	932	79	69	8.7	4.6	1.1
26	2070	589	381	102	857	342	790	68	47	6.9	7.0	2.0
27	1380	3410	332	710	623	292	1760	64	33	5.4	7.0	2.6
28	1090	1200	309	795	508	257	1240	71	25	4.8	4.6	3.7
29	939	820	278	499	---	250	834	143	20	4.2	3.4	4.7
30	739	544	801	415	---	1420	1420	111	15	3.6	4.0	4.9
31	623	---	799	359	---	1280	---	82	---	2.9	1.7	---
TOTAL	44113.6	24769	18242	9756	16440	15186	19011	6543	2668	915.3	113.7	100.55
MEAN	1423	826	588	315	587	490	634	211	88.9	29.5	3.67	3.35
MAX	7550	3410	1700	976	3960	1770	3610	1030	371	273	8.2	17
MIN	8.6	100	195	102	178	100	90	64	15	2.9	1.7	.29
AC-FT	87500	49130	36180	19350	32610	30120	37710	12980	5290	1820	226	199

CAL YR 1984	TOTAL	144150.9	MEAN	394	MAX	7550	MIN	1.0	AC-FT	285900
WTR YR 1985	TOTAL	157858.15	MEAN	432	MAX	7550	MIN	.29	AC-FT	313100

07249400 JAMES FORK NEAR HACKETT, ARK.

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.

WATER-DISCHARGE RECORDS

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 above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Feb. 3-4. Water-discharge records good.

AVERAGE DISCHARGE.--27 years, 135 ft^3/s, 12.47 in/yr, 97,810 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 discharges greater than base discharge 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)
Oct. 7	0100	4,470	18.95	Nov. 27	0700	3,080	15.78
Oct. 19	0600	4,140	18.41	Dec. 18	0900	3,210	16.16
Oct. 21	0500	*8,900	*21.15	Dec. 21	1900	3,350	16.56
Oct. 25	1700	4,760	19.25	Feb. 23	2200	6,530	20.41
Nov. 1	1400	4,820	19.31	Apr. 23	0200	3,270	16.34
Nov. 18	1500	4,480	18.97	Apr. 30	1700	3,090	15.82

No flow Sept. 17-25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	3590	177	1050	171	340	356	845	41	31	1.6	1.0
2	8.7	2060	138	460	174	298	254	421	39	30	2.2	1.0
3	7.7	631	106	340	160	241	204	271	36	30	1.9	1.0
4	7.2	391	88	263	150	1030	166	195	29	30	1.7	3.8
5	8.2	275	153	215	153	587	148	149	24	29	1.8	5.8
6	2260	206	235	185	154	344	134	119	31	28	2.8	6.0
7	2110	166	136	160	133	265	114	103	39	27	3.1	5.8
8	318	142	128	137	135	221	99	98	26	21	4.2	6.0
9	324	122	102	133	208	190	90	86	24	10	3.9	6.5
10	202	100	88	224	715	178	83	76	23	9.4	3.1	6.4
11	127	81	76	167	386	160	84	70	36	9.2	2.2	7.1
12	84	74	73	122	245	133	81	65	26	8.8	2.0	6.4
13	77	68	262	106	207	133	75	73	14	8.7	1.8	5.4
14	125	65	684	107	178	240	110	154	11	8.7	1.6	3.5
15	1090	973	568	98	151	161	88	81	10	8.5	2.2	1.5
16	629	244	561	100	135	133	68	62	10	6.8	2.3	.83
17	600	159	636	123	121	121	60	55	9.5	3.8	2.2	.36
18	648	3440	2530	101	120	106	55	49	9.7	2.5	1.9	.00
19	2400	1230	1240	85	232	96	52	45	26	6.2	1.7	.00
20	2400	496	1920	70	198	543	48	42	15	4.5	1.6	.00
21	3660	320	2250	51	170	1210	47	124	10	26	1.3	.00
22	1060	238	1290	49	203	839	650	117	12	4.5	1.3	.00
23	770	190	585	51	4820	499	1740	68	83	2.4	1.3	.00
24	830	160	418	54	2500	340	487	50	28	2.1	1.6	.00
25	3840	141	300	56	719	242	287	45	27	1.8	1.8	.00
26	1620	290	239	52	480	189	203	42	36	2.0	1.7	.41
27	631	2040	214	249	350	191	794	43	35	1.8	1.6	.40
28	383	546	195	416	280	156	609	50	33	1.7	1.5	.44
29	265	329	177	249	---	141	350	71	32	1.5	1.3	2.0
30	201	235	913	252	---	914	2010	55	31	1.3	1.0	4.2
31	183	---	730	204	---	755	---	45	---	1.2	1.0	---
TOTAL	26878.0	19002	17212	5929	13648	10996	9546	3769	806.2	359.4	61.2	75.84
MEAN	867	633	555	191	487	355	318	122	26.9	11.6	1.97	2.53
MAX	3840	3590	2530	1050	4820	1210	2010	845	83	31	4.2	7.1
MIN	7.2	65	73	49	120	96	47	42	9.5	1.2	1.0	.00
CFSM	5.90	4.31	3.78	1.30	3.31	2.41	2.16	.83	.18	.08	.01	.02
IN.	6.80	4.81	4.36	1.50	3.45	2.78	2.42	.95	.20	.09	.02	.02
AC-FT	53310	37690	34140	11760	27070	21810	18930	7480	1600	713	121	150

CAL YR 1984	TOTAL	94827.21	MEAN	259	MAX	3840	MIN	.00	CFSM	1.76	IN.	24.00	AC-FT	188100
WTR YR 1985	TOTAL	108282.64	MEAN	297	MAX	4820	MIN	.00	CFSM	2.02	IN.	27.40	AC-FT	214800

07249400 JAMES FORK NEAR HACKETT, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1958 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
23...	0912	9827	9827	784	6.8	15.0	8.9	10.0	K400
NOV									
20...	0855	9827	9827	519	7.0	10.0	10.0	3.0	K770
DEC									
18...	0910	9827	9827	3210	6.6	11.0	9.8	8.0	K6500
JAN, 1985									
29...	1100	9827	9827	249	7.0	5.0	11.7	5.0	390
FEB									
26...	0925	9827	9827	492	6.9	10.0	10.2	10.0	450
MAR									
26...	0925	9827	9827	195	7.2	--	9.6	--	--
APR									
16...	0815	9827	9827	70	7.3	16.0	8.4	16.0	K44
MAY									
14...	0830	9827	9827	205	7.6	19.0	8.2	16.0	K910
JUN									
11...	0815	9827	9827	45	7.6	23.0	7.3	20.0	140
JUL									
16...	0915	9827	9827	7.4	7.6	28.0	--	33.0	K32
AUG									
13...	0830	9827	9827	--	7.9	27.0	5.3	28.0	--
SEP									
10...	0745	9827	9827	6.2	7.7	25.0	--	21.0	80

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
23...	0912	--	40	60	50	5.5	122	31	.36
NOV									
20...	0855	1.6	35	62	49	3.5	125	19	.26
DEC									
18...	0910	--	--	30	--	3.0	90	161	.18
JAN, 1985									
29...	1100	1.2	--	68	44	8.0	120	32	.26
FEB									
26...	0925	1.4	45	50	43	7.0	109	30	.22
MAR									
26...	0925	1.0	25	52	40	4.0	106	10	.15
APR									
16...	0815	1.1	10	86	6.5	4.5	149	14	.12
MAY									
14...	0830	1.7	15	100	82	4.5	--	20	--
JUN									
11...	0815	1.8	20	130	110	6.5	228	30	.15
JUL									
16...	0915	--	10	--	140	--	302	16	.08
AUG									
13...	0830	2.3	15	170	--	8.5	324	20	.04
SEP									
10...	0745	1.8	10	--	>100	7.0	294	12	.09

07249400 JAMES FORK NEAR HACKETT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
23...	0912	--	.070	--	4	2	16	9	50
NOV									
20...	0855	.010	--	.040	1	7	<10	11	40
DEC									
18...	0910	.140	--	.070	2	5	19	15	860
JAN, 1985									
29...	1100	.060	--	.030	3	2	14	70	50
FEB									
26...	0925	.050	--	.020	<1	<1	15	2	10
MAR									
26...	0925	.020	--	.040	<1	2	11	14	--
APR									
16...	0815	.040	.040	.010	<1	<1	19	4	50
MAY									
14...	0830	.020	.070	.020	1	<1	<15	--	40
JUN									
11...	0815	.080	.040	.010	1	1	27	--	--
JUL									
16...	0915	.020	.040	<.010	<1	<1	<15	3	10
AUG									
13...	0830	.040	.080	.020	<1	1	<15	--	<10
SEP									
10...	0745	.100	.120	.050	<1	<1	<15	--	--

07250000 LEE CREEK NEAR VAN BUREN, ARK.

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 above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark). September 1930 to June 1937, nonrecording gage at present site and datum.

REMARKS.--No estimated daily discharges. Records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--41 years (1930-36, 1950-85), 495 ft^3/s, 15.78 in/yr, 358,600 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.--Peak discharges greater than base discharge of 13,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 20	2000	22,000	17.48	Feb. 23	1800	26,100	19.16
Nov. 18	1200	18,200	15.80	Mar. 30	1100	*28,400	*20.01
Dec. 21	1700	22,900	17.87				

Minimum discharge, 0.56 ft^3/s Sept. 23, gage height, 0.21 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	2340	987	5450	255	1340	2970	5980	89	11	1.8	4.3
2	65	4360	826	2690	250	1310	2070	2810	73	11	1.8	3.8
3	53	2180	682	1880	229	1100	1590	1740	58	9.4	1.8	3.2
4	43	1480	576	1460	227	2130	1270	1170	48	8.3	1.8	2.8
5	43	1060	539	1190	233	2430	1050	866	352	7.5	2.7	2.3
6	689	810	499	1010	227	1690	900	661	288	6.3	5.0	2.0
7	436	653	439	887	216	1340	745	640	372	5.5	324	1.8
8	280	550	413	766	212	1120	629	666	362	4.9	183	1.9
9	1150	473	406	696	213	961	547	497	245	4.3	106	2.2
10	3060	407	384	849	257	843	491	399	181	3.8	72	2.0
11	907	350	354	799	546	754	461	347	141	3.3	54	1.5
12	569	305	333	662	655	660	423	315	125	2.9	43	1.2
13	555	272	1040	587	589	695	395	292	98	2.6	33	1.1
14	769	243	3650	552	565	1190	437	330	77	2.2	25	1.1
15	2460	2720	2030	512	533	1050	408	328	67	1.9	31	1.0
16	3740	1610	1900	482	496	890	362	265	55	2.1	33	.95
17	4640	1220	1800	465	463	776	327	215	48	2.8	36	.93
18	1660	13700	1470	434	438	676	296	182	39	3.3	48	.87
19	1890	5190	1470	402	441	607	268	156	32	3.2	41	.81
20	10000	2680	2190	354	442	690	245	135	26	2.9	32	.76
21	8550	1800	14700	303	447	1010	227	125	23	2.9	28	.70
22	2870	1320	5900	286	496	1290	370	127	23	2.5	32	.65
23	1840	1050	3020	274	14100	1070	1150	206	24	2.2	26	.78
24	1300	884	2160	268	7590	900	827	211	24	1.9	20	.80
25	5330	766	1590	260	3230	768	584	161	21	1.9	17	.83
26	4780	1020	1260	243	2210	667	465	125	19	2.1	14	.80
27	2900	4330	1070	244	1620	747	485	105	17	2.3	11	.87
28	1970	2460	948	256	1270	873	617	95	15	2.4	8.4	1.0
29	1360	1680	863	258	---	1090	526	99	13	2.1	7.0	1.4
30	1020	1250	976	261	---	19300	5010	103	12	1.8	5.5	1.2
31	802	---	1590	263	---	5810	---	106	---	1.7	4.8	---
TOTAL	65811	59163	56065	25043	38450	55777	26145	19457	2967	123.0	1249.6	45.55
MEAN	2123	1972	1809	808	1373	1799	872	628	98.9	3.97	40.3	1.52
MAX	10000	13700	14700	5450	14100	19300	5010	5980	372	11	324	4.3
MIN	43	243	333	243	212	607	227	95	12	1.7	1.8	.65
CFSM	4.98	4.63	4.25	1.90	3.22	4.22	2.05	1.47	.23	.01	.09	.00
IN.	5.75	5.17	4.90	2.19	3.36	4.87	2.28	1.70	.26	.01	.11	.00
AC-FT	130500	117300	111200	49670	76270	110600	51860	38590	5890	244	2480	90

CAL YR 1984	TOTAL	334967.20	MEAN	915	MAX	14700	MIN	.28	CFSM	2.15	IN.	29.25	AC-FT	664400
WTR YR 1985	TOTAL	350296.15	MEAN	960	MAX	19300	MIN	.65	CFSM	2.25	IN.	30.59	AC-FT	694800

07250500 ARKANSAS RIVER AT VAN BUREN, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984											
23...	0732	9827	9827	46800	--	190	7.0	15.0	6.4	10.0	K700
NOV											
20...	0744	9827	9827	58100	--	130	7.1	7.0	9.1	-3.0	4500
DEC											
18...	0801	9827	9827	--	81000	252	7.4	10.0	10.0	8.0	2000
JAN, 1985											
29...	0936	9827	9827	44600	--	259	7.4	3.0	12.7	1.0	2000
FEB											
26...	0813	9827	9827	--	149000	290	7.2	10.0	9.0	10.0	1300
MAR											
26...	1450	9827	9827	136000	--	322	7.8	--	10.2	--	--
APR											
16...	1445	9827	9827	64800	--	348	7.7	20.0	9.7	28.0	K72
MAY											
14...	1700	9827	9827	78600	--	456	7.9	21.0	8.4	19.0	1000
JUN											
11...	1630	9827	9827	95900	--	434	7.8	27.0	7.6	29.0	330
JUL											
16...	0800	9827	9827	25000	--	700	8.2	28.0	--	24.0	210
AUG											
13...	1600	9827	9827	--	--	715	8.3	29.0	9.2	28.0	--
SEP											
10...	1430	9827	9827	22500	--	428	8.4	29.0	--	34.0	200

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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, 1984											
23...	0732	--	160	27	50	23	28	148	135	.13	--
NOV											
20...	0744	2.5	75	27	42	22	12	124	60	.21	.070
DEC											
18...	0801	--	--	20	80	--	25	181	40	.30	.120
JAN, 1985											
29...	0936	1.1	--	10	86	26	34	167	29	.41	.100
FEB											
26...	0813	2.3	220	26	68	29	46	240	10	.37	.160
MAR											
26...	1450	1.1	75	20	86	28	39	230	68	.56	.070
APR											
16...	1445	2.5	60	18	94	29	45	237	46	.71	.080
MAY											
14...	1700	1.8	60	20	110	36	74	--	40	--	.270
JUN											
11...	1630	1.5	75	20	110	34	62	277	64	.63	.090
JUL											
16...	0800	--	15	--	--	49	--	388	22	.22	.060
AUG											
13...	1600	2.9	15	17	160	--	81	407	36	.11	.010
SEP											
10...	1430	3.0	15	14	--	40	47	244	14	.25	<.010

07250500 ARKANSAS RIVER AT VAN BUREN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1984											
23...	0732	--	.60	.73	.220	--	--	<1	--	<10	5
NOV											
20...	0744	.33	.40	.61	--	.080	<5	<1	2	<10	3
DEC											
18...	0801	.58	.70	1.0	--	.080	--	<1	1	<10	2
JAN, 1985											
29...	0936	.10	.20	.61	--	.060	<5	<1	<1	10	7
FEB											
26...	0813	.94	1.1	1.5	.350	.090	--	<1	<1	12	<1
MAR											
26...	1450	.43	.50	1.1	--	.120	--	<1	4	20	29
APR											
16...	1445	.62	.70	1.4	.150	.090	5	1	2	19	28
MAY											
14...	1700	.33	.60	--	.130	.090	--	1	2	<15	--
JUN											
11...	1630	.11	.20	.83	.170	.120	--	<1	2	21	--
JUL											
16...	0800	.84	.90	1.1	.100	.030	5	<1	<1	16	2
AUG											
13...	1600	.89	.90	1.0	.110	.050	--	<1	1	<15	--
SEP											
10...	1430	--	.40	.65	.110	.070	--	<1	1	<15	--

DATE	TIME	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984											
23...	0732	--	30	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
NOV											
20...	0744	<5	20	--	--	--	--	--	--	--	--
DEC											
18...	0801	--	20	--	--	--	--	--	--	--	--
JAN, 1985											
29...	0936	<5	10	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
FEB											
26...	0813	--	20	--	--	--	--	--	--	--	--
APR											
16...	1445	1	50	--	--	--	--	--	--	--	--
MAY											
14...	1700	--	40	--	--	--	--	--	--	--	--
JUL											
16...	0800	<1	20	--	--	--	--	--	--	--	--
AUG											
13...	1600	--	<10	--	--	--	--	--	--	--	--

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, ARK.

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 U.S. Army 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.--No estimated daily discharges. Water-discharge records fair. 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.--58 years, 31,280 ft^3/s, 22,660,000 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, 196,000 ft^3/s Mar. 31, tailwater elevation, 393.70 ft; minimum daily, 458 ft^3/s Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	458	32500	19500	131000	32100	138000	167000	132000	30000	44500	8300	23400
2	2110	45400	16500	145000	32600	144000	151000	133000	30300	45800	7420	20100
3	4010	47200	16600	128000	28400	147000	139000	115000	34200	45900	6070	20900
4	1740	42400	16800	121000	28200	151000	136000	124000	30800	42900	1820	23600
5	1700	34400	18000	127000	32300	155000	136000	133000	54300	41700	6950	19900
6	6430	28100	19900	126000	30500	151000	135000	125000	81000	38200	10100	15300
7	11000	26200	16600	123000	32700	143000	135000	125000	85700	38600	14500	12100
8	7900	25100	6930	121000	31700	142000	135000	121000	91600	36600	12900	14100
9	3440	21500	5610	120000	31700	143000	131000	104000	92700	38200	7000	13400
10	11200	13600	12500	117000	34700	144000	118000	101000	92700	35300	2660	14400
11	3380	11900	15000	122000	37100	144000	109000	101000	95900	34800	6770	9820
12	6300	14000	17800	117000	34300	144000	97200	101000	104000	31700	10400	11400
13	7140	16400	27300	116000	35100	145000	80900	89600	107000	19400	6590	14800
14	5240	20100	60700	107000	36100	146000	69700	77800	106000	24400	10900	27800
15	13700	30900	85500	101000	32900	144000	64800	80800	106000	24700	16800	23000
16	15400	19700	87600	95900	24400	142000	62300	84600	107000	28600	14900	10900
17	29500	14100	76500	86700	22500	142000	61000	85400	106000	28100	17900	20300
18	16200	75600	81000	78100	23800	142000	60000	76500	92300	28900	16300	20500
19	31200	62700	83900	76700	24200	139000	57200	58200	79800	26700	18200	15400
20	40000	49700	80600	62600	27900	141000	50700	54500	73200	26100	16400	15500
21	60700	37300	109000	56100	29800	148000	50700	58700	68000	20500	17800	5080
22	53100	34900	130000	53500	40300	158000	52600	54600	68100	21300	18600	2000
23	41400	39800	112000	51400	100000	159000	56500	50000	74000	24400	29200	17200
24	22000	38100	97600	50800	163000	150000	57800	43900	78600	26300	28200	10000
25	35300	37300	77000	48500	164000	143000	56800	39000	75200	20300	29200	22500
26	34900	32700	61400	45000	149000	136000	56600	39900	81300	15900	35600	27900
27	34900	45700	36500	41600	136000	132000	61000	35100	82900	13500	35600	25700
28	29400	35700	44500	40800	132000	133000	66300	31800	75900	8080	32900	28700
29	27200	29600	69000	42800	---	138000	67200	33300	60500	13700	35600	32100
30	19200	20500	90500	41300	---	173000	94700	29200	47300	8640	35600	40700
31	21800	---	103000	33800	---	191000	---	30500	---	21100	30300	---
TOTAL	597948	983100	1695340	2727600	1527300	4548000	2716000	2468400	2312300	874820	541480	558500
MEAN	19290	32770	54690	87990	54550	146700	90530	79630	77080	28220	17470	18620
MAX	60700	75600	130000	145000	164000	191000	167000	133000	107000	45900	35600	40700
MIN	458	11900	5610	33800	22500	132000	50700	29200	30000	8080	1820	2000
AC-FT	1186000	1950000	3363000	5410000	3029000	9021000	5387000	4896000	4586000	1735000	1074000	1108000

CAL YR 1984 TOTAL 13007937 MEAN 35540 MAX 133000 MIN 31 AC-FT 25800000
WTR YR 1985 TOTAL 21550788 MEAN 59040 MAX 191000 MIN 458 AC-FT 42750000

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, ARK.--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.

INSTRUMENTATION.--Water-quality monitor December 1969 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT, 1984											
03...	0900	80513	80010	1820	715	8.1	19.5	3.3	7.8	85	766
DEC											
03...	1115	80513	80010	25000	201	7.7	10.0	15	10.6	94	764
FEB, 1985											
12...	1330	80513	80010	33500	540	8.3	1.5	2.5	14.2	100	770
APR											
25...	1100	80513	80010	55400	285	8.0	19.0	50	8.4	91	761
JUN											
11...	0730	80513	80010	92500	691	8.1	21.0	20	8.1	91	764
AUG											
01...	0800	80513	80010	10800	620	8.1	28.5	13	7.6	99	756

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 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)
OCT, 1984											
03...	0900	K18	40	160	44	44	12	78	51	3	3.6
DEC											
03...	1115	K240	700	64	16	19	4.1	12	28	.7	2.0
FEB, 1985											
12...	1330	390	130	120	36	35	8.3	62	52	3	2.6
APR											
25...	1100	120	K2100	100	29	29	7.0	32	40	1	2.1
JUN											
11...	0730	44	K46	140	56	40	8.8	75	54	3	2.8
AUG											
01...	0800	K300	K360	140	39	40	9.6	61	48	2	3.3

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
OCT, 1984										
03...	0900	116	57	120	.20	1.8	394	390	.54	<.10
DEC										
03...	1115	48	21	21	<.10	5.0	109	110	.15	.25
FEB, 1985										
12...	1330	86	41	95	.20	5.7	315	300	.43	.68
APR										
25...	1100	73	31	51	.10	6.7	219	200	.30	.69
JUN										
11...	0730	80	46	120	.30	4.7	412	350	.56	--
AUG										
01...	0800	101	39	86	.10	3.2	324	300	.44	.23

07250550 ARKANSAS RIVER AT DAM NO. 13, NEAR VAN BUREN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	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)
OCT, 1984										
03...	0900	.120	.40	.050	.090	.070	<10	3	96	1.0
DEC										
03...	1115	.030	.50	.050	.020	.020	--	--	--	--
FEB, 1985										
12...	1330	.160	.50	.110	.060	.080	10	<1	100	<.5
APR										
25...	1100	.050	.90	.070	.060	.040	60	<1	140	<.5
JUN										
11...	0730	--	1.3	.100	.020	--	--	--	--	--
AUG										
01...	0800	.100	.60	.030	<.010	.030	30	1	91	.5

DATE	TIME	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)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT, 1984										
03...	0900	<1	<1	<3	2	<3	1	5	<1	<.1
FEB, 1985										
12...	1330	<1	<1	<3	2	140	1	<4	35	.2
APR										
25...	1100	<1	<1	<3	6	82	2	<4	10	<.1
AUG										
01...	0800	<1	6	<3	6	11	1	5	4	.2

DATE	TIME	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)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT, 1984										
03...	0900	<10	4	<1	<1	390	4	11	54	79
DEC										
03...	1115	--	--	--	--	--	--	19	1280	84
FEB, 1985										
12...	1330	<10	2	<1	<1	270	17	30	2710	96
APR										
25...	1100	<10	3	<1	<1	210	32	53	7930	92
JUN										
11...	0730	--	--	--	--	--	--	120	30000	46
AUG										
01...	0800	<10	12	<1	<1	320	18	28	816	73

07252000 MULBERRY RIVER NEAR MULBERRY, ARK.

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 OFRECORD.--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 above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to Apr. 19, 1940, nonrecording gage at site 500 ft downstream at present datum.

REMARKS.--No estimated daily discharges. Records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--47 years, 540 ft^3/s, 19.66 in/yr, 391,200 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.--Peak discharges greater than base discharge 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)
Oct. 25	1900	12,800	11.10	Feb. 23	1500	*59,700	*21.90
Nov. 18	1500	11,600	10.56	Mar. 30	1800	28,500	15.61
Dec. 21	2000	20,300	13.40				

Minimum discharge, 0.92 ft^3/s Sept. 23, gage height, 0.52 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	2850	1300	2300	331	1420	3870	2730	114	9.5	1.2	5.4
2	91	5760	1080	1930	331	1210	2640	1990	106	8.6	1.2	4.7
3	72	2900	901	1550	324	1040	1960	1460	90	8.1	1.1	4.2
4	60	2050	752	1280	320	1350	1510	1130	77	7.5	1.1	4.0
5	55	1510	687	1090	320	1880	1260	912	70	6.4	1.2	3.6
6	741	1160	624	948	320	1510	1080	734	68	5.6	4.5	3.2
7	1850	938	525	824	320	1300	887	628	66	4.7	4.6	2.8
8	863	781	493	701	317	1150	742	683	59	4.2	4.8	2.9
9	529	666	492	621	322	1020	640	528	54	3.7	4.9	2.7
10	452	570	492	705	352	903	561	422	51	3.2	8.5	2.3
11	334	475	483	716	406	817	527	362	46	2.8	11	2.2
12	267	409	475	626	434	729	475	323	42	2.3	11	2.1
13	261	351	653	595	411	674	427	299	40	1.9	10	2.0
14	311	312	2130	582	404	805	431	314	41	1.6	9.2	1.8
15	2390	397	2020	553	403	768	433	289	42	1.4	11	1.5
16	1810	528	1830	516	409	718	402	247	40	1.4	11	1.5
17	1370	500	1590	513	409	663	366	216	36	1.4	11	1.4
18	942	7320	1990	488	487	625	331	192	33	1.3	11	1.3
19	794	4880	2810	469	537	581	305	171	30	1.2	11	1.1
20	2630	2820	3000	433	525	595	283	154	27	1.2	14	1.1
21	6060	2000	13900	377	469	839	265	143	24	1.1	21	1.1
22	2650	1530	6300	343	2030	1120	570	149	23	1.2	20	1.0
23	1820	1220	3440	343	36900	1110	3240	162	23	1.2	17	1.0
24	1370	1030	2440	343	8980	1010	2040	178	22	1.2	14	1.0
25	6740	886	1790	343	3930	903	1430	159	20	1.1	13	1.1
26	5360	826	1410	337	2650	816	1100	139	17	1.3	11	1.2
27	3010	4060	1160	331	1960	801	1080	124	16	1.3	10	1.2
28	2050	2940	1010	331	1560	804	1500	114	14	1.3	8.8	1.2
29	1490	2120	874	331	---	774	1120	112	12	1.3	7.7	1.5
30	1130	1640	944	331	---	16900	2370	115	11	1.3	7.1	1.9
31	919	---	1220	331	---	8800	---	115	---	1.3	6.2	---
TOTAL	48538	55429	58815	21181	66161	53635	33845	15294	1314	91.6	279.1	64.0
MEAN	1566	1848	1897	683	2363	1730	1128	493	43.8	2.95	9.00	2.13
MAX	6740	7320	13900	2300	36900	16900	3870	2730	114	9.5	21	5.4
MIN	55	312	475	331	317	581	265	112	11	1.1	1.1	1.0
CFSM	4.20	4.95	5.09	1.83	6.34	4.64	3.02	1.32	.12	.01	.02	.01
IN.	4.84	5.53	5.87	2.11	6.60	5.35	3.38	1.53	.13	.01	.03	.01
AC-FT	96280	109900	116700	42010	131200	106400	67130	30340	2610	182	554	127

CAL YR 1984	TOTAL	292952.24	MEAN	800	MAX	13900	MIN	.13	CFSM	2.14	IN.	29.22	AC-FT	581100
WTR YR 1985	TOTAL	354646.7	MEAN	972	MAX	36900	MIN	1.0	CFSM	2.61	IN.	35.37	AC-FT	703400

07252030 MULBERRY RIVER AT I-40 NEAR MULBERRY, ARK.

LOCATION.--Lat 35°32'06", long 94°02'12", in NE 1/4 NW 1/4 sec.24, T.10 N., R.28 W., Franklin County, Hydrologic Unit 11110201, at bridge on Interstate 40 near Mulberry.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
23...	1247	9827	9827	1950	6.7	15.0	10.0	10.0	K400
NOV									
20...	1218	9827	9827	3020	--	10.0	11.1	10.0	K1300
DEC									
18...	1228	9827	9827	2130	6.9	11.0	10.8	9.0	K60
JAN, 1985									
29...	1430	9827	9827	354	7.1	3.0	13.0	2.0	K4
FEB									
26...	1234	9827	9827	2840	6.5	10.0	11.4	20.0	K20
MAR									
26...	1405	9827	9827	873	7.1	--	10.6	--	--
APR									
16...	1245	9827	9827	430	7.2	18.0	10.0	24.0	<4
MAY									
14...	1620	9827	9827	336	7.1	20.0	9.5	21.0	100
JUN									
11...	1545	9827	9827	49	7.1	28.0	8.9	28.0	<4
JUL									
16...	1620	9827	9827	1.5	7.4	31.0	--	26.0	120
AUG									
13...	1500	9827	9827	--	7.6	32.0	9.3	35.0	--
SEP									
10...	1400	9827	9827	2.5	7.4	28.0	--	32.0	K4

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
23...	1247	--	10	16	4.0	4.0	34	10	.21
NOV									
20...	1218	.7	20	12	7.0	6.5	125	10	.15
DEC									
18...	1228	--	--	16	--	2.5	48	10	.17
JAN, 1985									
29...	1430	.4	--	18	4.0	6.5	29	1	.16
FEB									
26...	1234	--	25	12	3.0	3.5	36	27	.20
MAR									
26...	1405	.5	15	8	6.0	1.5	40	3	.08
APR									
16...	1245	1.2	6.0	12	6.0	2.5	43	4	.09
MAY									
14...	1620	1.2	8.0	16	6.0	3.0	--	4	--
JUN									
11...	1545	1.8	4.0	18	2.0	2.5	30	8	.11
JUL									
16...	1620	--	3.0	--	5.0	--	40	2	.10
AUG									
13...	1500	2.0	3.0	26	--	3.5	32	4	.04
SEP									
10...	1400	3.2	15	--	6.0	3.5	34	33	.07

07252030 MULBERRY RIVER AT I-40 NEAR MULBERRY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
23...	1247	--	.050	--	2	--	<10	27	30
NOV									
20...	1218	<.010	--	.060	1	<1	<10	53	110
DEC									
18...	1228	.050	--	.020	1	<1	10	17	30
JAN, 1985									
29...	1430	.010	--	<.010	1	<1	11	50	20
FEB									
26...	1234	.010	--	<.010	<1	<1	12	5	<10
MAR									
26...	1405	.010	--	.030	<1	<1	<15	12	--
APR									
16...	1245	.020	.030	.010	<1	<1	15	41	20
MAY									
14...	1620	<.010	.040	.020	<1	<1	<15	--	10
JUN									
11...	1545	.100	.020	.050	<1	<1	16	--	--
JUL									
16...	1620	.010	.040	<.010	<1	<1	<15	1	10
AUG									
13...	1500	<.010	.040	.020	<1	<1	<15	--	<10
SEP									
10...	1400	.010	.070	.020	<1	1	<15	--	--

07252406 ARKANSAS RIVER AT OZARK DAM AT OZARK, ARK.

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.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
23...	0843	9827	9827	56500	7.4	15.0	8.0	10.0	240
NOV									
20...	1303	9827	9827	71800	8.8	10.0	10.0	10.0	K1600
DEC									
18...	1310	9827	9827	90700	7.5	11.0	10.6	10.0	--
JAN, 1985									
29...	1344	9827	9827	43300	7.6	3.0	13.4	4.0	K20
FEB									
26...	1305	9827	9827	183000	7.5	11.0	9.9	24.0	K1100
MAR									
26...	1325	9827	9827	164000	7.8	--	10.3	--	--
APR									
16...	1200	9827	9827	57300	7.8	19.0	10.2	25.0	K12
MAY									
14...	1540	9827	9827	76400	7.9	22.0	8.8	23.0	K50
JUN									
11...	1500	9827	9827	91400	7.8	27.0	7.7	29.0	--
JUL									
16...	1545	9827	9827	39800	8.5	27.0	--	29.0	<4
AUG									
13...	1430	9827	9827	--	8.4	31.0	9.3	38.0	--
SEP									
10...	1315	9827	9827	19200	8.1	29.0	--	33.0	K8

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
23...	0843	--	80	88	45	63	244	69	.19
NOV									
20...	1303	2.0	60	62	29	16	149	54	.32
DEC									
18...	1310	--	--	100	--	32	203	56	.34
JAN, 1985									
29...	1344	.8	--	120	37	58	256	18	.62
FEB									
26...	1305	2.2	180	94	42	71	291	183	.59
MAR									
26...	1325	1.0	70	96	30	41	240	56	.65
APR									
16...	1200	1.7	65	100	32	48	256	38	.84
MAY									
14...	1540	1.6	55	120	42	87	--	42	--
JUN									
11...	1500	1.7	90	110	37	65	287	69	.63
JUL									
16...	1545	--	10	--	52	--	391	14	.24
AUG									
13...	1430	2.9	8.0	140	--	92	327	10	.15
SEP									
10...	1315	2.6	15	--	42	56	260	13	.29

07252406 ARKANSAS RIVER AT OZARK DAM AT OZARK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
23...	0843	--	.160	--	3	--	14	35	70
NOV									
20...	1303	.050	--	.100	1	7	26	26	40
DEC									
18...	1310	.100	--	.060	3	2	14	32	40
JAN, 1985									
29...	1344	.090	--	.070	1	<1	14	34	40
FEB									
26...	1305	.150	--	.080	<1	<1	16	<1	20
MAR									
26...	1325	.070	--	.120	<1	4	21	28	--
APR									
16...	1200	.060	.160	.100	1	2	23	42	50
MAY									
14...	1540	.030	.150	.100	<1	2	<15	--	60
JUN									
11...	1500	.090	.190	.120	<1	2	29	--	--
JUL									
16...	1545	.010	.090	.010	<1	<1	<15	1	10
AUG									
13...	1430	.050	.100	.060	<1	<1	<15	--	10
SEP									
10...	1315	.030	.110	.050	<1	1	<15	--	--

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, 1984									
23...	0843	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
JAN, 1985									
29...	1344	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07257000 BIG PINEY CREEK NEAR DOVER, ARK.

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 above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Record good. Satellite telemeter at station.

AVERAGE DISCHARGE.--35 years, 407 ft^3/s, 20.17 in/yr, 294,900 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 discharges greater than base discharge of 7,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 15	0630	13,800	13.41	Nov. 18	1130	10,700	11.92
Oct. 20	2300	11,300	12.23	Dec. 21	1600	15,500	14.10
Oct. 25	0800	11,100	12.13	Feb. 23	1130	*46,000	*23.53
Nov. 1	2230	7,230	9.88	Mar. 30	2230	16,600	14.55

No flow July 20, 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	2160	844	3570	197	831	2480	1710	102	3.8	.40	3.9
2	39	3620	720	1900	192	724	1610	1160	84	3.1	.22	3.4
3	34	1940	615	1340	171	639	1220	848	71	2.3	.14	2.5
4	30	1360	530	1060	179	919	982	673	61	2.2	.58	2.8
5	31	995	500	865	178	1140	834	556	53	1.9	6.7	2.8
6	822	784	460	733	178	914	706	451	50	1.5	56	2.6
7	981	665	394	643	175	812	600	376	65	1.2	162	2.6
8	406	576	388	563	169	732	518	347	71	1.1	129	2.1
9	229	510	417	501	170	656	459	286	55	.76	86	1.9
10	253	461	435	613	180	591	418	237	53	.56	53	4.2
11	229	394	414	574	250	550	402	206	53	.41	34	7.6
12	160	338	405	507	300	494	366	188	87	.33	26	8.6
13	263	301	419	476	310	443	338	170	63	.24	41	8.1
14	444	270	959	465	328	467	475	160	50	.18	30	6.5
15	6490	386	1390	432	339	420	449	143	41	.16	22	5.3
16	1800	512	1140	402	343	385	407	124	35	.18	17	4.5
17	1170	443	989	393	348	362	370	106	30	.13	20	4.2
18	809	6510	1480	364	342	333	342	92	26	.07	52	4.0
19	879	3470	2290	335	360	314	315	81	21	.03	46	3.5
20	3420	1860	2200	294	363	328	291	72	18	.00	37	3.0
21	4980	1280	9050	235	363	1080	267	67	16	.00	30	2.5
22	2080	985	4240	254	3440	1500	446	132	15	.04	27	2.2
23	1370	816	2260	242	19000	1140	2850	357	15	.09	22	2.1
24	1040	703	1550	239	5610	922	1710	206	12	.06	19	1.9
25	7210	623	1110	232	2530	777	1110	153	10	.02	16	3.2
26	3850	581	894	214	1650	679	869	126	8.9	.13	13	4.9
27	2090	3110	766	202	1180	677	1330	107	7.7	.30	10	5.1
28	1520	1930	683	209	944	647	1550	95	7.2	.26	7.9	5.2
29	1140	1370	627	207	---	588	1050	92	5.3	.70	6.4	6.7
30	897	1050	943	201	---	8510	887	101	4.5	.98	4.9	10
31	754	---	1690	201	---	5960	---	116	---	.68	4.3	---
TOTAL	45467	40003	40802	18466	39789	34534	25651	9538	1190.6	23.41	979.54	127.9
MEAN	1467	1333	1316	596	1421	1114	855	308	39.7	.76	31.6	4.26
MAX	7210	6510	9050	3570	19000	8510	2850	1710	102	3.8	162	10
MIN	30	270	388	201	169	314	267	67	4.5	.00	.14	1.9
CFSM	5.35	4.86	4.80	2.18	5.19	4.07	3.12	1.12	.14	.00	.12	.02
IN.	6.17	5.43	5.54	2.51	5.40	4.69	3.48	1.29	.16	.00	.13	.02
AC-FT	90180	79350	80930	36630	78920	68500	50880	18920	2360	46	1940	254

CAL YR 1984	TOTAL	264006.47	MEAN	721	MAX	9770	MIN	.43	CFSM	2.63	IN.	35.84	AC-FT 523700
WTR YR 1985	TOTAL	256571.45	MEAN	703	MAX	19000	MIN	.00	CFSM	2.57	IN.	34.83	AC-FT 508900

07257006 BIG PINEY CREEK AT HIGHWAY 164 NEAR DOVER, ARK.

LOCATION.--Lat 35°30'48", long 93°10'24", in SE 1/4 NW 1/4 sec.25, T.9 N., R.20 W., Pope County, Hydrologic Unit 11110202, at bridge on State Highway 164 near Dover.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
02...	1030	9827	9827	42	7.4	11.0	10.7	17.0	K45
30...	0955	9827	9827	969	6.7	--	9.1	--	K28
NOV									
27...	1040	9827	9827	3360	6.5	11.0	10.2	9.0	1300
JAN, 1985									
08...	1100	9827	9827	608	6.8	8.0	12.0	9.0	K4
FEB									
19...	1110	9827	9827	389	7.0	7.0	12.4	8.0	<4
MAR									
05...	1015	9827	9827	1230	6.9	9.0	11.4	1.0	140
APR									
02...	1015	9827	9827	1740	--	11.0	10.9	14.0	K36
30...	1045	9827	9827	958	7.2	19.0	10.0	23.0	K60
MAY									
28...	1015	9827	9827	103	7.2	25.0	9.2	26.0	K40
JUL									
02...	1530	9827	9827	3.3	7.7	--	9.4	--	K4
30...	1110	9827	9827	1.1	7.6	30.0	7.6	32.0	K8
AUG									
27...	1050	9827	9827	11	7.7	27.0	9.2	25.0	K4

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
02...	1030	2.1	8.5	28	6.0	2.5	53	2	.02
30...	0955	2.5	6.0	16	3.0	2.0	26	1	.13
NOV									
27...	1040	1.5	30	18	4.0	3.0	25	42	.06
JAN, 1985									
08...	1100	.3	--	12	--	2.5	26	2	.08
FEB									
19...	1110	.7	5.0	22	7.0	3.5	32	1	.08
MAR									
05...	1015	--	20	18	4.0	3.5	46	4	.08
APR									
02...	1015	.9	9.0	14	8.0	2.0	44	6	.10
30...	1045	1.6	9.0	14	--	2.5	38	<1	.04
MAY									
28...	1015	--	5.5	30	3.0	2.0	42	2	.01
JUL									
02...	1530	2.6	1.0	32	7.0	2.0	49	2	.04
30...	1110	2.4	2.0	34	4.0	2.5	45	2	.01
AUG									
27...	1050	2.3	1.0	38	7.0	1.5	59	1	.05

07257006 BIG PINEY CREEK AT HIGHWAY 164 NEAR DOVER, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
02...	1030	<.010	.020	<.010	<1	<1	<10	<1	10
30...	0955	.050	--	.010	<1	<1	<10	<1	10
NOV									
27...	1040	.020	.070	.040	<1	1	7	3	10
JAN, 1985									
08...	1100	.080	--	.010	<1	1	10	1	<10
FEB									
19...	1110	.030	--	<.010	<1	<1	<10	--	--
MAR									
05...	1015	.050	.040	.030	<1	2	<15	<1	10
APR									
02...	1015	.010	--	.010	<1	<1	<15	<1	<10
30...	1045	<.010	.030	.050	<1	1	7	<15	20
MAY									
28...	1015	.010	.030	.010	<1	<1	<15	<1	20
JUL									
02...	1530	--	.010	.020	1	1	<15	1	10
30...	1110	.020	.050	<.010	<1	<1	<15	<1	<10
AUG									
27...	1050	.010	.020	.010	1	<1	<15	<1	<10

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)
JUL, 1985									
30...	1110	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07257690 ILLINOIS BAYOU NEAR DOVER, ARK.

LOCATION.--Lat 35°24'36", long 93°06'00", in SW 1/4 SW 1/4 sec.21, T.8 N., R.20 W., Pope County, Hydrologic Unit 11110202, at bridge on State Highway 7, 2 mi northwest of Dover.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
02...	1050	9827	9827	.00	6.9	15.0	9.4	17.0	K10
30...	0940	9827	9827	.00	6.6	--	9.2	--	120
NOV									
27...	1030	9827	9827	573	6.2	12.0	10.1	11.0	1400
JAN, 1985									
08...	1030	9827	9827	.00	6.5	7.0	12.0	9.0	K4
FEB									
19...	1050	9827	9827	.00	6.8	7.0	12.2	7.0	K60
MAR									
05...	0950	9827	9827	2.7	6.5	10.0	11.4	12.0	K44
APR									
02...	1000	9827	9827	46	--	12.0	10.7	17.0	K40
30...	1015	9827	9827	6.4	7.0	18.0	9.6	22.0	K140
MAY									
28...	0945	9827	9827	.00	6.9	25.0	8.4	26.0	K48
JUL									
02...	1515	9827	9827	.00	7.3	--	8.8	--	K8
30...	1050	9827	9827	.00	7.3	30.0	6.7	30.0	150
AUG									
27...	1030	9827	9827	.00	7.2	27.0	7.9	31.0	<4

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
02...	1050	2.0	5.0	14	3.0	6.5	32	3	.03
30...	0940	2.0	7.0	16	2.0	2.5	20	2	.20
NOV									
27...	1030	1.5	25	18	4.0	2.5	22	14	.17
JAN, 1985									
08...	1030	.8	--	16	--	3.0	22	<1	.14
FEB									
19...	1050	.6	10	20	6.0	3.0	30	20	.17
MAR									
05...	0950	--	15	14	3.0	5.0	45	6	.14
APR									
02...	1000	2.2	20	12	8.0	2.0	39	8	.17
30...	1015	2.3	15	10	--	2.5	39	12	.07
MAY									
28...	0945	--	4.0	20	3.0	2.5	29	2	.04
JUL									
02...	1515	4.7	2.0	16	7.0	4.0	39	2	.04
30...	1050	2.9	2.0	18	4.0	3.5	35	2	.03
AUG									
27...	1030	2.4	2.0	18	5.0	3.5	30	2	.06

ARKANSAS RIVER BASIN

07257690 ILLINOIS BAYOU NEAR DOVER, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
02...	1050	<.010	.020	<.010	<1	<1	<10	<1	10
30...	0940	.050	--	.010	<1	<1	<10	<1	10
NOV									
27...	1030	.020	.040	.020	<1	<1	<10	1	10
JAN, 1985									
08...	1030	.080	--	.010	<1	2	<10	<1	<10
FEB									
19...	1050	.040	--	<.010	<1	<1	<10	--	--
MAR									
05...	0950	.040	.030	.020	<1	<1	<15	1	10
APR									
02...	1000	.010	--	.010	<1	<1	<15	1	10
30...	1015	<.010	.050	.050	<1	1	<15	<1	10
MAY									
28...	0945	.020	.020	.010	<1	<1	<15	1	10
JUL									
02...	1515	--	.010	<.010	2	<1	<15	1	20
30...	1050	.020	.050	<.010	2	<1	<15	<1	<10
AUG									
27...	1030	.010	.040	.010	<1	<1	<15	1	<10

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)
JUL, 1985									
30...	1050	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07258000 ARKANSAS RIVER AT DARDANELLE, ARK.

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 and acoustical velocity meter. Datum of gage is 280.16 ft above 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, water-stage recorder at same site at datum 10.0 ft higher. Feb. 13, 1969, to May 16, 1985, totalizing flow meters on each turbine in Dardanelle Dam 2.0 mi upstream.

REMARKS.--No estimated daily discharges. Water-discharge records good. Flow regulated upstream by many locks, dams, and reservoirs. Daily discharge below about 50,000 ft^3/s determined from flow through turbines Oct. 1 to May 16. Daily discharge below about 110,000 ft^3/s determined from acoustical velocity meter May 17 to Sept. 30. Satellite telemeter at station.

AVERAGE DISCHARGE.--48 years, 35,400 ft^3/s, 25,650,000 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, 245,000 ft^3/s Mar. 31, gage height, 33.28 ft; minimum daily, 171 ft^3/s Oct. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	565	52700	26600	126000	25000	143000	221000	113000	26900	41500	9100	23100
2	171	77400	18100	143000	32300	150000	190000	127000	26600	41700	6620	10600
3	1310	70300	20000	149000	27300	160000	163000	127000	27700	42300	4110	18400
4	361	60500	16000	140000	28100	165000	146000	116000	27200	35800	280	21400
5	210	53300	18400	139000	30300	166000	140000	113000	33400	30400	7590	9750
6	15200	37200	30600	134000	20300	167000	140000	116000	56800	37000	8460	17300
7	33200	41300	30000	139000	26400	166000	133000	114000	71300	30400	21600	12500
8	19100	39400	9400	135000	27500	156000	135000	109000	76500	34400	10100	15700
9	2290	19300	4930	127000	24000	153000	138000	107000	81200	32200	5680	20000
10	16100	22000	13200	130000	29800	149000	130000	95600	81300	33100	1300	16800
11	11600	9980	22100	130000	39700	147000	116000	83000	81400	31200	3100	11200
12	6060	22300	26500	125000	38700	147000	99100	88700	85100	28900	14500	6500
13	6130	18400	26200	126000	31500	149000	86500	89900	89500	23700	4060	9730
14	13900	14100	42800	112000	27200	151000	73900	80400	89700	20400	11400	30900
15	28100	29600	73200	98800	25900	150000	69300	73300	90600	23100	11900	21200
16	35400	35800	89300	98500	27700	150000	60600	71500	90900	22600	11500	8250
17	28000	26100	90000	92500	30000	147000	58800	73800	94400	21700	11700	12800
18	34700	63400	91900	80500	15800	143000	57400	74100	90400	26200	23400	24200
19	39600	121000	106000	73400	23400	143000	55600	63600	73600	27800	17500	20600
20	43800	81200	104000	61100	25600	142000	52900	47200	70100	25000	18700	19300
21	117000	63500	120000	55000	31200	146000	43300	52800	59700	22800	20000	7330
22	92900	46300	171000	46100	37000	161000	50700	61100	62500	25300	17100	700
23	69200	46400	151000	43200	136000	166000	79600	49500	62700	20300	22300	4340
24	47800	46400	131000	48100	226000	166000	75100	41000	68600	19400	24600	13000
25	93000	39200	105000	51700	200000	157000	62000	39300	67500	19000	30800	16700
26	99800	32100	75800	39400	187000	141000	56100	38200	67700	9670	28400	28100
27	62400	66100	61600	39300	169000	140000	66400	39500	72300	8040	27200	24400
28	57500	59300	54600	39400	146000	139000	73900	31900	72900	11300	30200	26800
29	44200	53800	51100	39400	---	136000	72000	27500	63300	13900	29800	25000
30	28400	39400	81500	36600	---	157000	75300	29500	51700	16400	35400	29700
31	29100	---	104000	39300	---	235000	---	34100	---	7240	30800	---
TOTAL	1077097	1387780	1965830	2837300	1688700	4788000	2920500	2327500	2013500	782750	499200	506300
MEAN	34750	46260	63410	91530	60310	154500	97350	75080	67120	25250	16100	16880
MAX	117000	121000	171000	149000	226000	235000	221000	127000	94400	42300	35400	30900
MIN	171	9980	4930	36600	15800	136000	43300	27500	26600	7240	280	700
AC-FT	2136000	2753000	3899000	5628000	3350000	9497000	5793000	4617000	3994000	1553000	990200	1004000

CAL YR 1984 TOTAL 14721932 MEAN 40220 MAX 171000 MIN 57 AC-FT 29200000
WTR YR 1985 TOTAL 22794457 MEAN 62450 MAX 235000 MIN 171 AC-FT 45210000

07258000 ARKANSAS RIVER AT DARDANELLE, ARK.--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.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 34.0°C Aug. 17, 1952, Jul. 17, 1980; minimum daily, 0.0°C on several days during winter months.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 29.0°C July 25, August 1-2, 16-17; minimum daily, 0.0°C February 11-14.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTMEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
02...	1200	9827	9827	50	7.6	22.0	9.9	20.0	K4800
30...	1030	9827	9827	30100	7.4	--	8.2	--	100
NOV									
27...	1200	9827	9827	73100	7.4	10.0	13.0	9.0	>600
JAN, 1985									
08...	1215	9827	9827	132000	7.6	7.0	14.3	9.0	K750
FEB									
20...	1240	9827	9827	42500	7.8	5.0	13.9	7.0	K1800
MAR									
05...	1150	9827	9827	166000	7.6	10.0	12.6	15.0	K120
APR									
02...	1220	9827	9827	188000	--	15.0	10.4	17.0	310
30...	1215	9827	9827	72100	7.9	22.0	10.7	27.0	400
MAY									
28...	1055	9827	9827	38700	7.8	25.0	8.0	27.0	290
JUL									
02...	1405	9827	9827	41400	8.0	--	7.3	--	300
30...	1230	9827	9827	27300	8.1	31.0	7.3	35.0	>600
AUG									
27...	1205	9827	9827	28500	8.1	28.0	7.9	28.0	610

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
02...	1200	6.0	20	180	59	110	402	23	.18
30...	1030	1.6	45	58	24	37	154	30	.27
NOV									
27...	1200	1.9	35	66	21	19	74	21	.32
JAN, 1985									
08...	1215	1.4	--	90	--	29	183	67	.42
FEB									
20...	1240	1.3	30	120	40	79	294	16	.66
MAR									
05...	1150	--	90	96	36	54	275	90	.88
APR									
02...	1220	4.2	85	78	31	46	232	89	.58
30...	1215	1.5	60	98	--	46	228	38	.60
MAY									
28...	1055	--	45	140	37	81	336	32	.67
JUL									
02...	1405	2.8	35	130	37	70	304	27	.48
30...	1230	--	20	140	45	110	362	16	.17
AUG									
27...	1205	6.3	10	160	47	130	411	16	.10

07258000 ARKANSAS RIVER AT DARDANELLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
02...	1200	<.010	.090	.040	<1	<1	<10	3	<10
30...	1030	.090	--	.060	4	2	11	58	40
NOV									
27...	1200	.100	.090	.060	<1	<1	10	3	20
JAN, 1985									
08...	1215	.120	--	.070	<1	7	12	4	20
FEB									
20...	1240	.130	--	.070	<1	<1	<10	--	--
MAR									
05...	1150	.130	.190	.100	<1	4	23	20	50
APR									
02...	1220	.070	--	.070	<1	4	<15	3	30
30...	1215	.050	.180	.140	<1	7	<15	1	20
MAY									
28...	1055	.050	.140	.100	1	<1	5	1	50
JUL									
02...	1405	--	.110	.050	2	2	<15	3	20
30...	1230	.070	.100	.030	1	<1	15	1	<10
AUG									
27...	1205	.060	.090	.050	1	1	<15	2	10

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, 1984									
27...	1200	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
APR, 1985									
02...	1220	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
JUL									
30...	1230	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07258500 PETIT JEAN RIVER NEAR BOONEVILLE, ARK.

LOCATION.--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 Sate 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.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
23...	1135	9827	9827	1170	6.6	15.0	9.4	10.0	K170
NOV									
20...	1109	9827	9827	977	7.0	10.0	10.7	8.0	540
DEC									
18...	1117	9827	9827	3040	6.9	11.0	10.3	9.0	--
JAN, 1985									
29...	1242	9827	9827	468	7.1	3.0	12.8	4.0	270
FEB									
26...	1122	9827	9827	805	6.8	10.0	10.9	20.0	420
MAR									
26...	1200	9827	9827	333	7.1	--	10.3	--	--
APR									
16...	1035	9827	9827	149	7.2	18.0	9.3	26.0	270
MAY									
14...	1430	9827	9827	199	7.2	23.0	8.3	25.0	1500
JUN									
11...	1340	9827	9827	38	7.2	27.0	6.8	32.0	310
JUL									
16...	1445	9827	9827	2.0	7.3	30.0	--	28.0	K16
AUG									
13...	1345	9827	9827	--	7.5	30.0	7.1	38.0	--
SEP									
10...	1230	9827	9827	.00	7.4	28.0	--	38.0	140

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
23...	1135	--	45	22	13	5.5	62	32	.23
NOV									
20...	1109	1.2	35	18	13	4.0	69	18	.17
DEC									
18...	1117	--	--	26	--	4.0	84	93	.15
JAN, 1985									
29...	1242	1.0	--	30	13	9.0	68	13	.17
FEB									
26...	1122	1.5	55	22	12	6.0	68	198	.16
MAR									
26...	1200	1.0	25	18	13	3.5	61	10	.11
APR									
16...	1035	1.8	25	26	13	4.0	66	13	.09
MAY									
14...	1430	2.6	35	24	10	5.0	--	30	--
JUN									
11...	1340	2.4	25	36	12	5.0	67	28	.12
JUL									
16...	1445	--	10	--	8.0	--	80	8	.04
AUG									
13...	1345	3.4	7.0	42	--	5.5	79	14	.01
SEP									
10...	1230	2.7	10	--	8.0	6.5	72	7	.08

07258500 PETIT JEAN RIVER NEAR BOONEVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
23...	1135	--	.090	--	2	--	11	11	30
NOV									
20...	1109	.040	--	.040	2	2	11	19	30
DEC									
18...	1117	.090	--	.060	2	2	13	23	40
JAN, 1985									
29...	1242	.050	--	.020	2	<1	15	80	30
FEB									
26...	1122	.050	--	<.010	<1	<1	15	3	10
MAR									
26...	1200	.010	--	.050	<1	1	16	8	--
APR									
16...	1035	.030	.060	.020	<1	1	15	5	30
MAY									
14...	1430	.030	.090	.040	<1	1	<15	--	30
JUN									
11...	1340	.040	.060	.020	<1	1	19	--	--
JUL									
16...	1445	.020	.060	<.010	<1	1	<15	2	10
AUG									
13...	1345	<.010	.080	.020	<1	3	<15	--	<10
SEP									
10...	1230	.050	.060	.030	<1	<1	<15	--	--

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, ARK.

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 structure 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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
OCT, 1984											
11...	1020	80513	80513	.00	27.0	46	7.0	18.5	5.6	757	.10
11...	1025	80513	80513	10.0	27.0	42	6.8	18.5	4.4	757	--
11...	1030	80513	80513	20.0	27.0	45	6.8	18.5	4.5	757	--
11...	1035	80513	80513	27.0	27.0	52	6.8	18.0	4.7	757	--
NOV											
21...	1050	80513	80513	.00	65.0	35	7.1	13.0	7.2	769	.70
21...	1052	80513	80513	10.0	65.0	35	7.0	13.0	7.1	769	--
21...	1054	80513	80513	20.0	65.0	35	7.0	13.0	7.0	769	--
21...	1056	80513	80513	30.0	65.0	35	7.0	13.0	6.9	769	--
21...	1058	80513	80513	40.0	65.0	35	7.0	13.0	6.9	769	--
21...	1100	80513	80513	50.0	65.0	35	7.0	13.0	6.9	769	--
21...	1102	80513	80513	60.0	65.0	35	7.0	13.0	6.5	769	--
21...	1105	80513	80513	65.0	65.0	35	6.9	13.0	6.4	769	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)
DEC								
20...	1530	80513	80513	.00	65.0	36	6.5	9.5
20...	1531	80513	80010	3.00	65.0	36	6.5	9.5
20...	1532	80513	80513	10.0	65.0	36	6.5	9.5
20...	1535	80513	80010	13.0	65.0	36	7.6	9.5
20...	1536	80513	80513	20.0	65.0	36	6.5	9.5
20...	1538	80513	80513	30.0	65.0	36	6.5	9.5
20...	1540	80513	80513	40.0	65.0	36	6.5	9.5
20...	1542	80513	80513	50.0	65.0	38	6.4	9.0
20...	1545	80513	80010	52.0	65.0	38	6.4	9.0
20...	1546	80513	80513	60.0	65.0	39	6.3	8.5
20...	1550	80513	80513	65.0	65.0	39	6.2	8.5

DATE	TIME	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC								
20...	1530	8.5	757	.80	1	--	--	--
20...	1535	8.6	757	--	--	65	15	.9
20...	1545	6.5	757	--	--	60	15	1.1

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC								
20...	1531	--	--	--	--	--	.600	<.100
20...	1535	15	18	.20	.040	<.010	--	--
20...	1545	16	17	.10	.030	<.010	--	--

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
FEB, 1985											
26...	1100	80513	80513	.00	50.0	60	6.7	9.0	11.2	766	.30
26...	1102	80513	80513	10.0	50.0	60	6.6	9.0	9.0	766	--
26...	1104	80513	80513	20.0	50.0	60	6.6	9.0	8.8	766	--
26...	1106	80513	80513	30.0	50.0	60	6.5	8.5	8.4	766	--
26...	1108	80513	80513	40.0	50.0	60	6.5	8.5	8.4	766	--
26...	1110	80513	80513	50.0	50.0	60	6.5	8.5	7.8	766	--
MAR											
19...	1230	80513	80513	.00	37.0	50	6.9	14.0	10.0	765	.50
19...	1232	80513	80513	5.00	37.0	50	6.9	13.0	9.6	765	--
19...	1234	80513	80513	10.0	37.0	50	6.8	12.0	9.6	765	--
19...	1236	80513	80513	20.0	37.0	50	6.7	12.0	9.4	765	--
19...	1238	80513	80513	30.0	37.0	50	6.7	12.0	9.3	765	--
19...	1240	80513	80513	37.0	37.0	50	6.7	12.0	9.2	765	--
APR											
23...	1100	80513	80513	.00	28.0	52	6.7	18.5	9.6	747	.50
23...	1105	80513	80513	10.0	28.0	52	6.7	17.5	9.0	747	--
23...	1110	80513	80513	20.0	28.0	53	6.6	17.5	8.8	747	--
23...	1115	80513	80513	28.0	28.0	53	6.6	17.5	8.0	747	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY									
28...	1100	80513	80513	.00	35.0	55	7.4	24.5	9.2
28...	1101	80513	80010	3.00	35.0	53	7.3	23.5	7.3
28...	1105	80513	80010	7.00	35.0	55	6.9	22.5	5.3
28...	1106	80513	80513	10.0	35.0	48	6.7	21.5	4.8
28...	1107	80513	80513	15.0	35.0	49	6.6	20.5	3.9
28...	1108	80513	80513	20.0	35.0	46	6.6	20.5	3.7
28...	1110	80513	80010	28.0	35.0	58	6.5	20.5	3.4
28...	1112	80513	80513	30.0	35.0	44	6.5	20.5	3.3
28...	1115	80513	80513	35.0	35.0	46	6.5	20.5	3.1

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)
MAY								
28...	1100	762	1.30	17	--	--	--	--
28...	1105	762	--	--	30	7.0	1.6	16
28...	1110	762	--	--	55	11	1.6	17

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY								
28...	1101	--	<.01	<.010	.020	.09	2.30	<.100
28...	1105	15	<.10	<.030	<.020	.09	--	--
28...	1110	16	<.10	.040	.020	.12	--	--

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN									
17...	1300	80513	80513	.00	33.0	62	8.3	28.0	8.4
17...	1301	80513	80010	3.00	33.0	62	8.2	27.5	8.2
17...	1303	80513	80513	10.0	33.0	62	7.9	26.5	7.4
17...	1305	80513	80513	12.0	33.0	62	7.4	26.0	5.7
17...	1307	80513	80513	13.0	33.0	62	6.9	23.5	5.6
17...	1310	80513	80513	20.0	33.0	62	6.6	23.0	4.7
17...	1312	80513	80513	30.0	33.0	62	6.6	22.5	4.4
17...	1314	80513	80513	33.0	33.0	64	6.5	22.5	4.4

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUN									
17...	1300	751	.90	--	--	--	--	--	--
17...	1301	751	--	<.10	.030	.010	.09	5.40	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL									
22...	1320	80513	80513	.00	31.0	68	7.4	29.0	6.8
22...	1321	80513	80010	3.00	31.0	66	7.3	28.5	6.1
22...	1323	80513	80513	4.00	31.0	66	7.2	27.5	5.9
22...	1325	80513	80513	7.00	31.0	66	6.9	26.5	6.4
22...	1328	80513	80513	10.0	31.0	66	6.8	26.5	4.4
22...	1330	80513	80513	20.0	31.0	72	6.6	26.0	.8
22...	1333	80513	80513	30.0	31.0	80	6.6	25.5	.2
22...	1340	80513	80513	31.0	31.0	80	6.6	25.0	.2

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL									
22...	1320	754	.30	--	--	--	--	--	--
22...	1321	754	--	<.10	.020	.010	.06	7.30	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG									
23...	0930	80513	80513	.00	32.0	69	7.2	26.5	6.0
23...	0931	80513	80010	3.00	32.0	69	7.2	26.5	5.7
23...	0935	80513	80010	7.00	32.0	69	7.1	26.5	5.2
23...	0936	80513	80513	10.0	32.0	68	7.1	26.5	5.2
23...	0938	80513	80513	20.0	32.0	68	7.1	26.5	4.9
23...	0940	80513	80010	26.0	32.0	69	7.0	26.0	4.6
23...	0942	80513	80513	30.0	32.0	69	7.0	26.0	4.4
23...	0945	80513	80513	32.0	32.0	70	7.0	26.0	4.2

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)
AUG								
23...	0930	755	.40	2	--	--	--	--
23...	0935	755	--	--	45	15	2.0	20
23...	0940	755	--	--	55	17	1.6	20

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG								
23...	0931	--	--	.040	<.010	.12	8.30	<.100
23...	0935	20	<.10	.030	<.010	.09	--	--
23...	0940	20	.10	.040	<.010	.12	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP									
23...	1030	80513	80513	.00	24.0	72	7.0	23.0	7.0
23...	1031	80513	80010	3.00	24.0	72	7.0	23.0	6.8
23...	1035	80513	80513	10.0	24.0	72	7.0	23.0	6.7
23...	1040	80513	80513	15.0	24.0	72	7.0	23.0	6.6
23...	1042	80513	80513	20.0	24.0	72	7.0	23.0	6.5
23...	1045	80513	80513	24.0	24.0	73	7.0	23.0	6.4

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP									
23...	1030	754	.20	--	--	--	--	--	--
23...	1031	754	--	<.10	.060	.030	.18	13.0	<.100

07259500 PETIT JEAN RIVER NEAR WAVELAND, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (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, 1984										
11...	1000	80513	80513	751	46	7.4	18.5	8.1	87	757
NOV										
21...	1020	80513	80513	1450	35	6.9	13.0	9.7	91	769
DEC										
20...	1510	80513	80010	250	36	7.6	9.5	10.5	92	757
FEB, 1985										
26...	1030	80513	80513	1030	58	6.7	8.5	12.2	104	766
MAR										
19...	1200	80513	80513	2150	50	6.7	12.5	10.8	101	765
APR										
23...	1040	80513	80513	15	54	6.8	17.5	10.0	107	747
MAY										
28...	1015	80513	80010	107	58	7.0	22.0	6.4	73	762
JUN										
17...	1215	80513	80513	28	62	6.9	24.5	7.2	88	752
JUL										
22...	1300	80513	80513	8.0	68	7.1	26.5	6.8	86	754
AUG										
23...	0900	80513	80010	27	68	7.4	26.5	7.3	92	755
SEP										
23...	1000	80513	80513	13	73	6.6	23.0	7.9	93	754

DATE	TIME	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)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
DEC, 1984									
20...	1510	55	15	1.2	5	18	.10	.040	<.010
MAY, 1985									
28...	1015	40	12	3.2	K1600	15	.10	.050	.020
AUG									
23...	0900	35	15	2.0	23	20	.10	.040	<.010

07260020 DUTCH CREEK AT SHARK, ARK.

LOCATION.--Lat 34°59'58", long 93°30'52", in SE 1/4 NE 1/4 sec.14, T.4 N., R.24 W., Yell County, Hydrologic Unit 11110204, on paved road 0.9 mi north of Highway 80 at Shark, Ark., and 2.0 mi west of Macedonia.

DRAINAGE AREA.--107 mi^2.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
02...	1300	9827	9827	.30	7.2	11.0	5.8	21.0	K5
30...	1200	9827	9827	155	6.6	--	8.4	--	200
NOV									
27...	1300	9827	9827	1740	6.3	11.0	9.5	8.0	>600
JAN, 1985									
08...	1320	9827	9827	88	6.6	8.0	11.5	9.0	K36
FEB									
19...	1335	9827	9827	122	6.6	7.0	11.7	7.0	260
MAR									
05...	1250	9827	9827	278	6.6	11.0	--	13.0	330
APR									
02...	1321	9827	9827	317	--	13.0	10.1	23.0	260
30...	1315	9827	9827	217	7.0	19.0	8.5	26.0	230
MAY									
28...	1220	9827	9827	6.2	6.9	25.0	6.2	28.0	220
JUL									
02...	1315	9827	9827	2.4	7.4	27.0	6.0	31.0	84
30...	1335	9827	9827	.70	7.3	29.0	7.1	36.0	530
AUG									
27...	1315	9827	9827	.00	7.4	24.0	4.7	30.0	84

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
02...	1300	1.1	9.0	40	4.0	7.5	78	3	.15
30...	1200	1.0	15	18	4.0	4.0	50	12	.90
NOV									
27...	1300	2.2	70	16	6.0	2.5	32	94	.14
JAN, 1985									
08...	1320	.7	--	20	--	4.5	39	5	.61
FEB									
19...	1335	1.0	20	18	10	8.5	52	10	.43
MAR									
05...	1250	1.5	25	16	8.0	6.0	63	12	.55
APR									
02...	1321	.7	25	12	11	3.0	59	14	.45
30...	1315	1.3	25	2	--	3.5	50	14	.28
MAY									
28...	1220	--	9.0	30	5.0	7.5	67	8	.22
JUL									
02...	1315	2.7	10	26	10	7.5	73	8	.09
30...	1335	5.1	8.0	32	6.0	7.0	89	15	.31
AUG									
27...	1315	--	10	54	5.0	7.5	103	17	.23

07260020 DUTCH CREEK AT SHARK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
02...	1300	.090	.040	.010	3	1	15	39	30
30...	1200	.100	--	.030	5	<1	14	38	30
NOV									
27...	1300	.020	.170	.060	9	<1	29	120	70
JAN, 1985									
08...	1320	.090	--	.030	3	1	19	100	40
FEB									
19...	1335	.090	--	.010	--	--	--	--	--
MAR									
05...	1250	.060	.060	.040	--	--	--	--	--
APR									
02...	1321	.020	--	.020	4	<1	<15	8	50
30...	1315	.020	.090	.080	2	2	17	10	30
MAY									
28...	1220	.010	.080	.130	3	1	<15	6	30
JUL									
02...	1315	--	.070	.040	8	<1	29	51	60
30...	1335	.110	.150	.030	3	<1	<15	17	20
AUG									
27...	1315	.390	.120	.040	4	<1	15	6	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)
AUG, 1985									
27...	1315	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07260500 PETIT JEAN RIVER AT DANVILLE, ARK.

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 above 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.--Estimated daily discharges: Jan. 20 to Feb. 14, Feb. 22-26, July 14, 15, 19-27, July 30 to Aug. 1, and Aug. 3-5. Records good except for estimated daily discharges, Jan. 20 to Feb. 14, which are fair. Flow regulated since March 1947 by Blue Mountain Lake, 25.6 mi upstream, capacity, 257,900 acre-ft. Satellite telemeter at station.

AVERAGE DISCHARGE.--69 years, 821 ft^3/s, 594,800 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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,200 ft^3/s Oct. 25, gage height, 25.86 ft; minimum daily, 0.9 ft^3/s July 6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	179	2880	3850	4280	2900	2310	4140	2080	126	4.7	1.0	27
2	180	4370	3890	3630	2800	1730	1750	2470	126	2.5	1.0	25
3	180	5050	3800	3620	2800	1680	1040	2150	123	1.7	1.0	29
4	191	4480	3200	4110	2800	1870	1680	2100	119	1.9	1.1	34
5	203	3460	2610	4240	2700	1420	2270	2180	116	1.4	1.5	30
6	458	2880	1980	4220	2800	2260	2370	2250	175	.90	30	30
7	1920	2670	1900	4150	3000	2540	2320	2330	190	1.6	111	26
8	686	2660	2430	3500	3100	2500	2280	2340	182	12	53	25
9	313	2690	2930	2710	3100	2420	2280	2160	179	6.5	39	22
10	1280	2380	3310	2760	3700	2350	2380	1990	171	4.6	31	20
11	1850	2060	3500	2450	3100	2310	2400	1910	77	3.4	28	16
12	1310	1950	3670	3070	2800	2250	2360	1870	26	2.4	29	16
13	2110	2230	3820	3200	2500	2310	2310	1800	63	1.7	27	17
14	2510	2520	4000	3160	3000	1670	2350	1470	99	1.2	24	13
15	3760	2800	4190	3090	2860	1750	2290	1330	98	1.1	24	13
16	2630	2360	3620	3080	3050	2230	1950	1060	99	2.7	32	13
17	2560	2540	3150	3160	3030	2210	1680	635	103	5.1	24	12
18	1960	3920	3640	3070	2870	2150	1280	251	58	4.2	32	12
19	4290	5020	3750	2980	2850	2320	775	145	41	3.0	33	11
20	4320	3860	4980	2900	2280	2350	414	142	73	2.0	33	10
21	9780	2410	5690	2850	2030	2700	297	86	44	1.4	33	7.5
22	7420	2330	4810	2940	3000	2570	363	68	32	1.0	30	5.9
23	3480	2680	3490	2880	5200	1290	3800	58	24	1.0	39	5.5
24	2600	2700	2800	2800	3500	980	4000	48	20	1.0	31	5.7
25	13100	2640	3240	2700	2500	780	1770	45	15	1.0	34	9.3
26	13300	2660	3290	2600	2100	2160	1230	45	14	1.1	32	11
27	5960	3830	3640	2500	1820	2410	2320	48	21	1.2	29	8.0
28	4140	3570	3930	3500	2320	2380	2790	50	12	1.3	31	6.5
29	3310	3000	4100	3100	---	2320	1420	98	8.5	1.3	28	6.6
30	2720	3520	4170	2800	---	3570	760	135	6.7	1.2	27	6.8
31	2400	---	3950	2700	---	6830	---	128	---	1.0	27	---
TOTAL	101100	92120	111330	98750	80510	70620	59069	33472	2441.2	77.10	896.6	473.8
MEAN	3261	3071	3591	3185	2875	2278	1969	1080	81.4	2.49	28.9	15.8
MAX	13300	5050	5690	4280	5200	6830	4140	2470	190	12	111	34
MIN	179	1950	1900	2450	1820	780	297	45	6.7	.90	1.0	5.5
AC-FT	200500	182700	220800	195900	159700	140100	117200	66390	4840	153	1780	940

CAL YR 1984 TOTAL 525316.50 MEAN 1435 MAX 13300 MIN 2.8 AC-FT 1042000
WTR YR 1985 TOTAL 650859.70 MEAN 1783 MAX 13300 MIN .90 AC-FT 1291000

07260620 CHICKALAH CREEK AT CHICKALAH, ARK.

LOCATION.--Lat 35°09'36", long 93°17'32", in SW 1/4 sec.24, T.6 N., R.22 W., Yell County, Hydrologic Unit 11110204, at bridge on State Highway 27, 0.5 mi upstream from Little Chickalah Creek and 1.0 mi southwest of Chickalah, Ark.

DRAINAGE AREA.--39.1 mi^2.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
02...	1230	9827	9827	--	7.1	16.0	3.1	19.0	K5
30...	1100	9827	9827	--	6.5	--	9.1	--	510
NOV									
27...	1230	9827	9827	--	6.4	11.0	9.9	9.0	K900
JAN, 1985									
08...	1250	9827	9827	--	6.5	7.0	11.7	7.0	K62
FEB									
19...	1305	9827	9827	--	6.4	7.0	12.1	7.0	190
MAR									
05...	1215	9827	9827	--	6.4	10.0	--	12.0	86
APR									
02...	1245	9827	9827	--	--	13.0	10.6	18.0	180
30...	1230	9827	9827	--	7.0	19.0	9.1	27.0	310
MAY									
28...	1115	9827	9827	--	6.9	24.0	7.2	28.0	180
JUL									
02...	1340	9827	9827	--	7.1	--	6.0	--	K36
30...	1300	9827	9827	.00	7.2	29.0	5.2	38.0	K56
AUG									
27...	1230	9827	9827	.00	7.3	26.0	3.9	29.0	K28

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
02...	1230	1.0	30	60	1.0	21	116	18	.09
30...	1100	.9	20	16	5.0	3.5	40	14	.25
NOV									
27...	1230	1.9	40	16	5.0	4.0	33	38	.18
JAN, 1985									
08...	1250	.6	--	24	--	4.0	35	3	.28
FEB									
19...	1305	.8	25	20	10	11	63	12	.33
MAR									
05...	1215	1.1	20	30	7.0	6.0	55	10	.27
APR									
02...	1245	.6	25	12	9.0	3.0	52	14	.24
30...	1230	.8	20	10	--	3.0	40	10	.16
MAY									
28...	1115	--	15	28	6.0	6.5	66	10	.31
JUL									
02...	1340	--	25	36	7.0	4.5	68	18	.02
30...	1300	--	20	60	4.0	16	104	15	.03
AUG									
27...	1230	--	20	66	3.0	8.5	89	18	.10

07260620 CHICKALAH CREEK NEAR CHICKALAH, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
02...	1230	.080	.070	.020	3	1	14	69	50
30...	1100	.060	--	.020	13	2	<10	32	30
NOV									
27...	1230	.050	.100	.050	--	<1	28	85	90
JAN, 1985									
08...	1250	.090	--	.020	3	1	22	80	30
FEB									
19...	1305	.280	--	.010	--	--	--	--	--
MAR									
05...	1215	.060	.040	.030	--	--	--	--	--
APR									
02...	1245	.020	--	.010	1	<1	<15	7	30
30...	1230	.010	.070	.070	1	2	17	13	30
MAY									
28...	1115	.040	.080	.080	3	<1	19	18	80
JUL									
02...	1340	--	.090	.020	7	<1	33	36	60
30...	1300	.060	.110	.050	4	<1	17	37	30
AUG									
27...	1230	.190	.090	.090	--	<1	22	12	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)
AUG, 1985									
27...	1230	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07260660 ARKANSAS RIVER AT DAM NO. 9, NEAR OPPELO, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
02...	0840	9827	9827	1800	7.8	19.0	8.1	11.0	K5
30...	0830	9827	9827	49500	7.0	--	7.3	--	88
NOV									
27...	0900	9827	9827	63300	7.2	10.0	9.8	12.0	K710
JAN, 1985									
08...	0925	9827	9827	136000	7.5	5.0	12.9	3.0	K990
FEB									
20...	0935	9827	9827	30700	7.4	5.0	12.9	7.0	84
MAR									
05...	0840	9827	9827	--	7.6	9.0	12.0	8.0	K120
APR									
02...	0840	9827	9827	--	--	14.0	9.7	17.0	300
30...	1750	9827	9827	80700	7.8	21.0	8.6	23.0	K280
MAY									
28...	0830	9827	9827	40600	7.8	29.0	8.2	24.0	K12
JUL									
02...	1730	9827	9827	43600	8.1	--	7.7	--	K12
30...	0930	9827	9827	17400	8.3	30.0	8.9	33.0	K4
AUG									
27...	0850	9827	9827	25700	8.2	28.0	7.4	27.0	K8

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
02...	0840	2.0	9.5	180	56	110	395	16	.10
30...	0830	1.6	55	38	14	22	109	37	.21
NOV									
27...	0900	1.6	40	58	17	15	64	32	.29
JAN, 1985									
08...	0925	1.4	--	84	--	29	184	73	.40
FEB									
20...	0935	1.4	30	140	34	99	332	24	.60
MAR									
05...	0840	--	100	94	33	46	249	100	.83
APR									
02...	0840	1.8	90	76	29	46	237	87	.60
30...	1750	1.7	60	88	--	40	203	38	.55
MAY									
28...	0830	--	40	140	38	82	353	26	.68
JUL									
02...	1730	1.5	35	130	37	81	318	29	.50
30...	0930	2.7	20	150	46	110	381	19	.09
AUG									
27...	0850	1.9	15	150	44	120	385	20	.14

07260660 ARKANSAS RIVER AT DAM NO. 9, NEAR OPPELO ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
02...	0840	<.010	.100	.050	3	<1	19	82	40
30...	0830	.100	--	.070	12	<1	24	54	70
NOV									
27...	0900	.070	.110	.060	17	2	37	130	90
JAN, 1985									
08...	0925	.140	--	.080	11	5	51	210	90
FEB									
20...	0935	2.85	--	<.010	--	--	--	--	--
MAR									
05...	0840	.250	.200	.100	--	--	--	--	--
APR									
02...	0840	.090	--	.060	4	5	24	28	100
30...	1750	.030	.170	.120	2	7	28	8	60
MAY									
28...	0830	.050	.130	.100	4	1	25	9	110
JUL									
02...	1730	--	.120	.070	6	2	19	35	40
30...	0930	.030	.110	.020	11	<1	27	14	30
AUG									
27...	0850	.020	.090	.050	5	2	31	9	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)
OCT, 1984									
30...	0830	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
FEB, 1985									
20...	0935	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
APR									
30...	1750	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
AUG									
27...	0850	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07260675 WHITE OAK CREEK NEAR ATKINS, ARK.

LOCATION.--Lat 35°15'16", long 92°53'38", in SW 1/4 NE 1/4 sec.15, T.7 N., R.18 W., Pope County, Hydrologic Unit 11110203, at bridge on county road 0.4 mi from Union Grove Church and 3 mi east of Atkins, Ark.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984									
02...	0925	9827	9827	7.9	10.0	6.6	15.0	K4800	2.8
30...	0900	9827	9827	7.1	--	8.5	--	K70	3.8
NOV									
27...	0945	9827	9827	6.3	11.0	8.9	10.0	>600	--
JAN, 1985									
08...	0955	9827	9827	7.0	4.0	12.2	4.0	420	6.3
FEB									
19...	1010	9827	9827	6.6	7.0	10.3	8.0	1000	--
MAR									
05...	0915	9827	9827	6.9	8.0	9.1	8.0	2600	--
APR									
02...	0920	9827	9827	--	11.0	11.5	11.0	K700	5.6
30...	0930	9827	9827	7.5	21.0	9.1	23.0	K1300	7.2
MAY									
28...	0915	9827	9827	7.7	24.0	6.8	24.0	120	--
JUL									
02...	1700	9827	9827	9.5	--	25.9	--	<4	--
30...	1005	9827	9827	8.6	29.0	7.6	33.0	1300	--
AUG									
27...	0950	9827	9827	8.3	22.0	5.5	22.0	K60	30

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984									
02...	0925	30	220	20	45	3940	32	.04	.240
30...	0900	25	48	12	280	519	22	.26	.220
NOV									
27...	0945	40	30	8.0	60	157	32	.19	.060
JAN, 1985									
08...	0955	--	44	--	200	378	26	.23	.080
FEB									
19...	1010	50	60	21	120	289	30	.23	.950
MAR									
05...	0915	35	40	15	140	335	32	.10	.070
APR									
02...	0920	35	32	18	120	279	30	.21	.030
30...	0930	30	46	--	250	471	29	.18	.360
MAY									
28...	0915	15	120	21	1000	1770	30	.02	.100
JUL									
02...	1700	35	170	18	2000	3460	57	.04	--
30...	1005	15	230	13	66	4650	50	.08	2.35
AUG									
27...	0950	--	210	14	150	4900	206	.05	.100

07260675 WHITE OAK CREEK NEAR ATKINS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)
OCT, 1984									
02...	0925	1.80	.960	2	4	25	52	40	--
30...	0900	--	.360	2	<1	16	--	40	--
NOV									
27...	0945	.310	.200	11	<1	42	73	90	--
JAN, 1985									
08...	0955	--	.140	5	2	36	170	60	--
FEB									
19...	1010	--	.090	--	--	--	--	--	--
MAR									
05...	0915	.420	.120	--	--	--	--	--	--
APR									
02...	0920	--	.090	2	<1	<15	14	40	--
30...	0930	.710	.490	1	2	20	12	50	--
MAY									
28...	0915	.890	.730	2	<1	31	13	70	--
JUL									
02...	1700	1.46	.680	17	1	51	31	50	--
30...	1005	2.35	1.25	3	<1	31	--	20	<.001
AUG									
27...	0950	5.20	2.35	5	1	32	6	60	--

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)
JUL, 1985								
30...	1005	<.001	<.002	<.001	<.001	<.01	<.01	<1

07261000 CADRON CREEK NEAR GUY, ARK.

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 above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: May 23 to June 20. Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--31 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 discharges greater than base discharge 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)
Oct. 19	1030	5,060	12.34	Nov. 27	1600	*10,000	*17.84
Oct. 21	0830	8,520	16.39	Feb. 24	0200	5,290	12.64
Oct. 25	1215	6,230	13.81	Mar. 31	0700	4,150	11.10
Nov. 1	1645	5,050	12.33	Apr. 23	0900	5,100	12.40

No flow at times.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.66	2540	690	1170	201	502	1270	391	35	5.1	.18	.00
2	.60	2670	569	552	204	453	881	305	30	3.8	.06	.00
3	.60	1200	451	586	205	367	684	187	25	3.0	.00	.00
4	.57	842	356	639	204	378	537	142	25	2.4	.00	134
5	.60	625	360	540	200	399	437	106	25	2.1	.00	257
6	1.9	463	499	452	197	312	385	87	25	2.0	.78	63
7	3.2	368	364	386	190	284	309	92	25	1.6	4.1	32
8	3.4	298	337	332	183	256	256	171	20	1.2	3.6	21
9	7.4	258	300	290	181	243	217	117	20	1.4	2.9	15
10	11	238	269	399	194	225	189	92	20	1.2	2.6	13
11	145	192	239	395	397	211	173	88	15	1.1	2.2	9.2
12	87	157	218	322	455	187	161	81	15	.86	1.6	7.0
13	90	134	212	296	419	161	146	76	15	.75	1.0	5.8
14	96	115	377	282	381	168	253	69	15	.80	.88	4.5
15	128	229	494	259	336	166	289	67	10	.68	.63	3.6
16	180	405	460	236	298	139	218	60	10	.39	.57	2.8
17	577	261	402	269	271	125	183	54	15	.15	1.7	2.5
18	419	1680	403	245	234	116	173	49	15	.00	2.2	2.4
19	3040	1760	542	218	301	109	145	44	10	.00	1.4	2.1
20	2350	990	1500	201	286	106	130	42	9.0	.00	.80	1.8
21	5570	729	1940	154	263	338	119	40	7.0	.00	.68	1.6
22	1430	574	1740	172	277	806	395	41	7.7	.19	.33	1.3
23	914	479	1050	168	1750	635	3250	40	6.8	.34	.20	.90
24	973	397	814	170	3270	504	1290	35	5.8	.00	.10	.88
25	4540	348	655	164	1340	383	792	35	5.5	.00	.05	1.6
26	1810	702	522	146	936	311	660	35	4.7	.00	.00	2.2
27	1050	7640	446	137	718	488	1060	35	4.0	.00	.00	2.3
28	1140	2130	389	169	573	554	841	30	7.6	.04	.00	1.9
29	1080	1220	340	174	---	430	608	35	9.9	.31	.00	1.7
30	761	896	303	169	---	884	470	45	7.1	.50	.00	7.6
31	625	---	419	195	---	2840	---	40	---	.42	.00	---
TOTAL	27034.93	30540	17660	9887	14464	13080	16521	2731	445.1	30.33	28.56	598.68
MEAN	872	1018	570	319	517	422	551	88.1	14.8	.98	.92	20.0
MAX	5570	7640	1940	1170	3270	2840	3250	391	35	5.1	4.1	257
MIN	.57	115	212	137	181	106	119	30	4.0	.00	.00	.00
CFSM	5.16	6.02	3.37	1.89	3.06	2.50	3.26	.52	.09	.01	.01	.12
IN.	5.95	6.72	3.89	2.18	3.18	2.88	3.64	.60	.10	.01	.01	.13
AC-FT	53620	60580	35030	19610	28690	25940	32770	5420	883	60	57	1190

CAL YR 1984	TOTAL	134821.72	MEAN	368	MAX	7640	MIN	.57	CFSM	2.18	IN.	29.68	AC-FT 267400
WTR YR 1985	TOTAL	133020.60	MEAN	364	MAX	7640	MIN	.00	CFSM	2.15	IN.	29.28	AC-FT 263800

07261260 ARKANSAS RIVER AT TOAD SUCK FERRY DAM, NEAR CONWAY, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984										
02...	0900	9827	9827	2200	--	7.0	19.0	8.4	21.0	<5
31...	0830	9827	9827	49200	--	7.0	--	7.2	--	270
NOV										
27...	0830	9827	9827	56200	--	6.9	10.0	10.1	9.0	>600
JAN, 1985										
08...	0900	9827	9827	--	--	7.5	6.0	--	2.0	K680
FEB										
20...	0920	9827	9827	35500	--	7.5	6.0	12.9	10.0	530
MAR										
05...	1600	9827	9827	--	--	7.6	11.0	11.9	18.0	K40
APR										
02...	1630	9827	9827	--	--	--	11.0	9.5	23.0	310
30...	1815	9827	9827	88100	--	7.8	21.0	8.4	24.0	K220
MAY										
28...	1540	9827	9827	34900	--	7.9	23.0	8.1	19.0	K28
JUL										
02...	1020	9827	9827	41800	--	7.9	27.0	8.0	26.0	110
30...	0810	9827	9827	24400	--	8.5	29.0	8.3	27.0	K56
AUG										
28...	0805	9827	9827	--	31900	8.2	27.0	7.6	24.0	K56

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
02...	0900	1.8	8.0	170	56	110	390	16	.05
31...	0830	1.7	40	34	14	22	105	34	.26
NOV									
27...	0830	2.3	60	42	11	12	52	69	.27
JAN, 1985									
08...	0900	1.0	--	80	--	27	165	5	.44
FEB									
20...	0920	1.5	25	100	32	59	234	22	.64
MAR									
05...	1600	--	100	90	31	4.5	244	96	.83
APR									
02...	1630	1.8	80	70	28	42	221	84	.57
30...	1815	1.3	55	78	--	36	182	36	.52
MAY									
28...	1540	--	40	60	35	82	335	27	.67
JUL									
02...	1020	1.5	35	140	39	79	318	38	.63
30...	0810	1.1	9.0	140	45	110	370	16	.05
AUG									
28...	0805	1.3	15	150	44	120	401	20	.13

07261260 ARKANSAS RIVER AT TOAD SUCK FERRY DAM, NEAR CONWAY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
02...	0900	.030	.100	.040	10	<1	21	64	40
31...	0830	.090	--	.060	9	<1	17	49	60
NOV									
27...	0830	.070	.140	.070	--	5	21	120	80
JAN, 1985									
08...	0900	.130	--	.070	4	6	19	58	60
FEB									
20...	0920	.130	--	.060	--	--	--	--	--
MAR									
05...	1600	.150	.180	.110	2	4	52	--	--
APR									
02...	1630	.090	--	.060	4	4	14	26	70
30...	1815	.050	.170	.130	4	6	19	23	50
MAY									
28...	1540	.030	.150	.100	4	1	23	9	80
JUL									
02...	1020	--	.140	.090	--	2	49	47	110
30...	0810	.030	.090	.020	4	<1	21	32	20
AUG									
28...	0805	.010	.100	.050	8	5	18	8	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)
OCT, 1984									
31...	0830	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
FEB, 1985									
20...	0920	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
APR									
30...	1815	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, ARK.

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 above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers). Prior to May 11, 1939, nonrecording gage at present site and datum.

REMARKS.--No estimated daily discharges. Water-discharge records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--46 years, 539 ft^3/s, 17.85 in/yr, 390,500 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 discharges greater than base discharge 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)
Oct. 21	0400	19,200	19.91	Nov. 27	1200	12,400	15.14
Oct. 25	1100	*44,100	*27.05	Feb. 23	1100	17,200	18.66
Nov. 2	0500	12,200	15.07	Mar. 30	1200	22,500	22.14
Nov. 18	2100	11,000	14.20	Apr. 22	1800	19,700	20.65

Minimum discharge, 0.50 ft^3/s Sept. 9, gage height, 0.69 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	3080	1060	2510	790	934	2070	1450	81	39	5.3	1.0
2	60	7760	863	2070	705	826	1430	965	70	34	7.5	.96
3	51	2660	718	1460	671	697	1110	724	59	29	10	.94
4	43	1720	582	1190	671	838	894	566	52	37	9.2	1.0
5	44	1250	592	987	638	1070	737	458	47	44	9.6	.96
6	2150	950	833	838	546	832	632	382	104	28	13	.86
7	4100	755	751	728	510	718	539	323	107	23	24	.72
8	1490	620	667	629	496	638	453	278	113	21	17	.58
9	808	528	667	551	517	557	391	240	105	18	12	.65
10	1050	459	607	648	861	489	346	208	89	15	9.7	.81
11	961	392	539	828	1620	433	315	183	217	13	8.7	.98
12	693	333	489	684	1240	391	289	163	198	12	12	.92
13	701	290	454	598	1000	771	272	148	99	11	14	1.7
14	860	255	768	568	844	868	275	144	65	9.6	11	7.4
15	3180	286	1870	528	720	665	296	140	54	8.6	9.0	6.8
16	2170	376	1540	486	628	566	271	124	46	8.0	8.6	4.7
17	3440	410	1390	492	545	490	229	114	40	7.6	8.7	3.4
18	1830	4720	2340	478	502	432	199	100	414	7.0	8.8	2.6
19	3450	4520	1400	429	663	1130	175	88	519	6.7	7.2	1.7
20	8800	2140	4260	379	804	4620	159	79	258	6.2	5.5	1.3
21	14600	1490	4120	359	763	5200	155	73	182	5.6	4.2	1.1
22	3280	1160	4590	317	3880	2360	11600	92	144	5.6	3.3	.89
23	2600	936	2410	269	13400	1700	3850	182	149	6.3	2.7	.88
24	4210	784	1740	262	3800	1280	1650	134	173	8.9	2.3	.83
25	32700	675	1340	257	2200	996	1090	113	177	8.5	2.1	2.0
26	6880	691	1040	241	1610	826	915	95	126	7.9	1.7	2.4
27	2750	7380	875	405	1240	724	2550	83	92	7.9	1.3	1.9
28	2050	3130	768	1580	1010	643	1880	76	70	7.3	1.2	1.4
29	1600	1900	702	1300	---	564	1240	88	55	6.9	1.2	1.3
30	1170	1400	691	1050	---	15200	1130	111	45	6.4	.98	1.8
31	922	---	1270	908	---	4940	---	95	---	5.8	.95	---
TOTAL	108719	53050	41936	24029	42874	52398	37142	8019	3950	454.8	232.73	54.48
MEAN	3507	1768	1353	775	1531	1690	1238	259	132	14.7	7.51	1.82
MAX	32700	7760	4590	2510	13400	15200	11600	1450	519	44	24	7.4
MIN	43	255	454	241	496	391	155	73	40	5.6	.95	.58
CFSM	8.55	4.31	3.30	1.89	3.73	4.12	3.02	.63	.32	.04	.02	.00
IN.	9.86	4.81	3.80	2.18	3.89	4.75	3.37	.73	.36	.04	.02	.00
AC-FT	215600	105200	83180	47660	85040	103900	73670	15910	7830	902	462	108

CAL YR 1984	TOTAL	340722.68	MEAN	931	MAX	32700	MIN	.56	CFSM	2.27	IN.	30.91	AC-FT	675800
WTR YR 1985	TOTAL	372859.01	MEAN	1022	MAX	32700	MIN	.58	CFSM	2.49	IN.	33.83	AC-FT	739600

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, ARK.--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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
02...	1400	9827	9827	59	7.2	18.0	9.9	22.0	K55
30...	1300	9827	9827	1160	6.7	--	8.8	--	K20
NOV									
27...	1400	9827	9827	7380	5.7	11.0	9.7	6.0	740
JAN, 1985									
08...	1430	9827	9827	618	6.8	8.0	12.2	11.0	K8
FEB									
20...	1430	9827	9827	808	7.0	7.0	11.7	7.0	K60
MAR									
05...	1345	9827	9827	1020	6.7	14.0	11.1	17.0	120
APR									
02...	1413	9827	9827	1380	--	15.0	10.2	21.0	88
30...	1400	9827	9827	990	7.0	21.0	8.9	28.0	K80
MAY									
28...	1255	9827	9827	76	7.1	25.0	8.7	25.0	K20
JUL									
02...	1230	9827	9827	34	7.3	29.0	8.1	30.0	K12
30...	1430	9827	9827	6.3	7.6	30.0	7.7	32.0	K48
AUG									
27...	1400	9827	9827	1.3	7.4	27.0	7.5	29.0	K4

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
02...	1400	1.8	6.0	24	4.0	3.5	36	2	.01
30...	1300	.9	15	16	4.0	3.5	34	10	.18
NOV									
27...	1400	2.0	40	18	6.0	4.0	30	54	.13
JAN, 1985									
08...	1430	.6	--	12	--	3.0	31	4	.12
FEB									
20...	1430	1.2	15	16	10	4.5	43	4	.20
MAR									
05...	1345	--	9.5	14	6.0	4.5	50	4	.15
APR									
02...	1413	.7	25	10	9.0	3.5	44	8	.14
30...	1400	.6	20	14	--	3.0	43	6	.09
MAY									
28...	1255	--	5.0	--	4.0	3.5	44	4	.02
JUL									
02...	1230	1.4	7.0	20	10	4.0	39	8	.04
30...	1430	2.2	4.0	28	7.0	3.5	42	4	.01
AUG									
27...	1400	2.0	3.0	20	7.0	3.5	42	7	.04

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
02...	1400	<.010	.030	<.010	5	<1	13	29	10
30...	1300	.050	--	<.010	16	<1	17	34	50
NOV									
27...	1400	.080	.090	.040	21	2	32	130	70
JAN, 1985									
08...	1430	.080	--	.020	3	2	23	43	30
FEB									
20...	1430	.030	--	.010	<1	<1	<10	--	--
MAR									
05...	1345	.040	.040	.030	1	1	<15	2	10
APR									
02...	1413	.010	--	.010	4	<1	<15	22	40
30...	1400	<.010	.070	.070	1	4	<15	10	30
MAY									
28...	1255	.020	.030	.020	11	<1	15	6	60
JUL									
02...	1230	--	.030	.030	12	1	19	25	60
30...	1430	.020	.070	<.010	2	<1	<15	43	10
AUG									
27...	1400	.010	.050	.010	2	1	<15	8	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)
JAN, 1985									
08...	1430	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
AUG									
27...	1400	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07262000 NIMROD LAKE NEAR NIMROD, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT, 1984											
11...	1230	80513	80513	.00	46.0	34	6.7	19.5	7.8	759	1.60
11...	1235	80513	80513	10.0	46.0	34	6.9	19.5	7.4	759	--
11...	1240	80513	80513	20.0	46.0	32	6.9	19.0	5.4	759	--
11...	1245	80513	80513	30.0	46.0	30	6.7	18.5	5.0	759	--
11...	1250	80513	80513	40.0	46.0	29	6.7	18.5	4.9	759	--
11...	1255	80513	80513	46.0	46.0	32	6.7	18.0	4.7	759	--
NOV											
21...	1300	80513	80513	.00	62.0	24	6.8	13.0	5.3	768	1.00
21...	1302	80513	80513	10.0	62.0	24	6.8	13.0	5.2	768	--
21...	1304	80513	80513	20.0	62.0	24	6.7	13.5	5.2	768	--
21...	1306	80513	80513	30.0	62.0	24	6.7	13.5	5.2	768	--
21...	1308	80513	80513	40.0	62.0	24	6.7	13.5	5.2	768	--
21...	1310	80513	80513	50.0	62.0	24	6.7	13.5	5.1	768	--
21...	1312	80513	80513	60.0	62.0	26	6.7	13.0	5.0	768	--
21...	1315	80513	80513	62.0	62.0	26	6.7	13.0	5.0	768	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
DEC								
20...	0940	80513	80513	.00	45.0	25	6.2	10.0
20...	0941	80513	80010	3.00	45.0	25	6.2	10.0
20...	0945	80513	80010	9.00	45.0	25	6.7	10.0
20...	0946	80513	80513	10.0	45.0	25	6.2	10.0
20...	0948	80513	80513	20.0	45.0	25	6.2	10.0
20...	0949	80513	80513	30.0	45.0	25	6.2	10.0
20...	0950	80513	80010	36.0	45.0	25	6.7	10.0
20...	0952	80513	80513	40.0	45.0	26	6.1	9.5
20...	0955	80513	80513	45.0	45.0	26	6.0	9.5

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC								
20...	0940	7.7	756	1.70	27	--	--	--
20...	0945	7.8	756	--	--	35	5.5	1.3
20...	0950	7.4	756	--	--	50	9.5	1.1

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
DEC								
20...	0941	--	--	--	--	--	3.50	<.100
20...	0945	11	16	<.10	.030	<.010	--	--
20...	0950	12	15	<.10	.030	<.010	--	--

07262000 NIMROD LAKE NEAR NIMROD, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JAN, 1985											
24...	1240	80513	80513	.00	35.0	32	6.8	2.0	12.8	752	.40
24...	1242	80513	80513	10.0	35.0	32	6.8	2.0	13.2	752	--
24...	1243	80513	80513	20.0	35.0	32	6.8	2.0	12.5	752	--
24...	1244	80513	80513	30.0	35.0	32	6.8	2.0	11.1	752	--
24...	1245	80513	80513	35.0	35.0	32	6.7	2.5	10.5	752	--
FEB											
26...	0800	80513	80513	.00	50.0	32	6.6	9.5	10.8	768	.20
26...	0802	80513	80513	10.0	50.0	32	6.5	8.5	8.7	768	--
26...	0804	80513	80513	20.0	50.0	32	6.5	8.5	8.2	768	--
26...	0806	80513	80513	30.0	50.0	32	6.5	8.0	7.3	768	--
26...	0808	80513	80513	40.0	50.0	32	6.5	8.0	6.8	768	--
26...	0810	80513	80513	50.0	50.0	32	6.5	8.0	6.8	768	--
MAR											
19...	1000	80513	80513	.00	49.0	28	6.7	14.0	9.6	769	1.10
19...	1002	80513	80513	10.0	49.0	28	6.6	13.0	9.2	769	--
19...	1004	80513	80513	20.0	49.0	28	6.6	12.5	8.8	769	--
19...	1006	80513	80513	30.0	49.0	28	6.4	12.5	8.4	769	--
19...	1008	80513	80513	40.0	49.0	28	6.4	12.0	8.0	769	--
19...	1010	80513	80513	49.0	49.0	30	6.3	11.5	6.5	769	--
APR											
23...	0920	80513	80513	.00	50.0	26	6.9	18.5	9.3	748	1.00
23...	0922	80513	80513	10.0	50.0	26	6.6	18.0	8.8	748	--
23...	0924	80513	80513	12.0	50.0	26	6.3	17.0	7.3	748	--
23...	0926	80513	80513	14.0	50.0	28	6.2	16.0	5.1	748	--
23...	0928	80513	80513	16.0	50.0	28	6.1	15.0	4.1	748	--
23...	0930	80513	80513	20.0	50.0	28	6.0	14.5	3.8	748	--
23...	0932	80513	80513	30.0	50.0	28	6.0	14.0	3.3	748	--
23...	0934	80513	80513	40.0	50.0	28	6.0	14.0	3.1	748	--
23...	0935	80513	80513	50.0	50.0	29	6.0	13.5	2.1	748	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY									
29...	0900	80513	80513	.00	38.0	31	6.4	23.5	7.8
29...	0901	80513	80010	3.00	38.0	31	6.3	23.5	7.5
29...	0905	80513	80010	8.00	38.0	36	6.1	23.0	3.9
29...	0907	80513	80513	10.0	38.0	33	6.0	23.0	3.5
29...	0910	80513	80513	15.0	38.0	35	5.9	22.0	1.9
29...	0912	80513	80513	20.0	38.0	39	5.9	21.0	.6
29...	0913	80513	80513	25.0	38.0	41	5.9	20.0	.1
29...	0915	80513	80010	30.0	38.0	42	5.9	19.5	.1
29...	0920	80513	80513	38.0	38.0	58	6.1	18.5	.1

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)
MAY								
29...	0900	762	1.10	6	--	--	--	--
29...	0905	762	--	--	35	7.5	1.8	10
29...	0915	762	--	--	35	5.0	2.0	16

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
MAY								
29...	0901	--	--	.020	<.010	.06	2.10	<.100
29...	0905	11	<.10	<.010	<.010	--	--	--
29...	0915	16	<.10	<.010	.010	--	--	--

07262000 NIMROD LAKE NEAR NIMROD, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN									
17...	1000	80513	80513	.00	38.0	36	7.2	25.5	8.0
17...	1001	80513	80010	3.00	38.0	36	7.1	25.5	8.0
17...	1003	80513	80513	10.0	38.0	36	6.9	25.0	7.4
17...	1005	80513	80513	15.0	38.0	36	6.7	24.5	6.6
17...	1006	80513	80513	20.0	38.0	38	6.5	23.5	4.4
17...	1008	80513	80513	22.0	38.0	44	6.4	23.0	3.5
17...	1010	80513	80513	23.0	38.0	52	6.4	22.5	3.1
17...	1012	80513	80513	25.0	38.0	64	6.4	22.0	1.2
17...	1014	80513	80513	27.0	38.0	70	6.4	21.5	.3
17...	1016	80513	80513	30.0	38.0	72	6.5	21.0	.2
17...	1018	80513	80513	35.0	38.0	78	6.6	20.0	.1
17...	1020	80513	80513	37.0	38.0	92	6.7	19.0	.1
17...	1022	80513	80513	38.0	38.0	114	6.8	18.5	.0

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUN									
17...	1000	754	1.20	--	--	--	--	--	--
17...	1001	754	--	<.10	.030	.030	.09	11.0	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL									
22...	1100	80513	80513	.00	38.0	38	7.2	27.5	6.0
22...	1101	80513	80010	3.00	38.0	38	7.0	27.5	6.0
22...	1103	80513	80513	10.0	38.0	40	6.7	27.0	3.2
22...	1105	80513	80513	20.0	38.0	52	6.6	26.0	.2
22...	1107	80513	80513	26.0	38.0	68	6.7	25.0	.2
22...	1110	80513	80513	30.0	38.0	74	6.8	24.0	.2
22...	1112	80513	80513	32.0	38.0	84	6.9	23.5	.2
22...	1113	80513	80513	36.0	38.0	108	7.0	22.5	.2
22...	1115	80513	80513	38.0	38.0	124	7.0	21.5	.2

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
JUL									
22...	1100	756	.80	--	--	--	--	--	--
22...	1101	756	--	<.10	.020	<.010	.06	29.0	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG									
26...	0900	80513	80513	.00	35.0	41	6.4	28.0	5.3
26...	0901	80513	80010	3.00	35.0	40	6.4	28.0	5.3
26...	0905	80513	80010	7.00	35.0	40	6.4	28.0	5.6
26...	0906	80513	80513	10.0	35.0	41	6.2	28.0	3.0
26...	0908	80513	80513	20.0	35.0	44	6.0	27.5	1.4
26...	0910	80513	80010	28.0	35.0	45	6.0	27.0	.5
26...	0912	80513	80513	30.0	35.0	46	6.0	27.0	.2
26...	0914	80513	80513	32.0	35.0	53	6.2	26.5	.2
26...	0915	80513	80513	35.0	35.0	86	6.4	25.0	.2

07262000 NIMROD LAKE NEAR NIMROD, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)
AUG								
26...	0900	762	.80	0	--	--	--	--
26...	0905	762	--	--	15	4.5	1.7	11
26...	0910	762	--	--	20	5.5	1.6	15

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
AUG								
26...	0901	--	--	.040	<.010	.12	13.0	<.100
26...	0905	13	<.10	.040	<.010	.12	--	--
26...	0910	18	<.10	.030	<.010	.09	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP									
23...	0830	80513	80513	.00	35.0	40	6.7	23.5	7.0
23...	0831	80513	80010	3.00	35.0	40	6.6	23.5	6.7
23...	0835	80513	80513	10.0	35.0	39	6.6	23.5	6.4
23...	0837	80513	80513	20.0	35.0	40	6.5	23.5	5.9
23...	0840	80513	80513	30.0	35.0	41	6.5	23.0	5.4
23...	0845	80513	80513	35.0	35.0	42	6.3	23.0	4.0

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP									
23...	0830	754	.70	--	--	--	--	--	--
23...	0831	754	--	<.10	.050	.030	.15	18.0	<.100

07262500 FOURCHE LAFAVE RIVER NEAR NIMROD, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (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, 1984										
11...	1200	80513	80513	1300	32	6.7	19.0	9.0	97	759
NOV										
21...	1240	80513	80513	4900	25	6.7	13.5	6.6	63	768
DEC										
20...	0920	80513	80010	131	28	6.6	10.0	9.2	82	756
JAN, 1985										
24...	1220	80513	80513	484	32	6.8	3.0	12.8	96	753
FEB										
26...	0730	80513	80513	11	34	6.6	7.5	10.4	86	768
MAR										
19...	0930	80513	80513	2670	28	6.7	13.0	10.4	98	769
APR										
23...	0900	80513	80513	11	29	6.8	14.5	9.9	99	749
MAY										
29...	0830	80513	80010	416	39	6.4	20.5	8.0	89	762
JUN										
17...	0930	80513	80513	111	64	6.7	22.0	6.4	74	754
JUL										
22...	1040	80513	80513	40	52	7.2	24.5	6.0	73	756
AUG										
26...	0830	80513	80010	16	43	6.3	24.5	6.3	76	762
SEP										
23...	0745	80513	80513	16	41	6.5	22.0	7.1	82	754

DATE	TIME	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)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
DEC, 1984									
20...	0920	50	10	1.2	47	16	.20	.040	.010
MAY, 1985									
29...	0830	45	6.5	2.2	57	13	<.10	<.010	<.010
AUG									
26...	0830	10	2.5	1.9	32	16	.10	.040	.010

07262985 SOUTH FOURCHE LAFAVE RIVER AT HOLLIS, ARK.

LOCATION.--Lat 34°52'16", long 93°06'38", in NE 1/4 NE 1/4 sec.34, T.3 N., R.20 W., Perry County, Hydrologic Unit 11110206, at bridge on State Highway 7 at Hollis, Ark., and just above confluence with Bear Creek.

DRAINAGE AREA.--127 mi^2.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
02...	1500	9827	9827	26	6.9	18.0	8.7	20.0	K10
31...	1415	9827	9827	648	6.1	--	8.4	--	K240
NOV									
27...	1515	9827	9827	2630	6.0	11.0	9.7	7.0	1500
JAN, 1985									
08...	1530	9827	9827	100	6.5	7.0	12.0	10.0	K44
FEB									
19...	1530	9827	9827	134	6.7	7.0	11.8	8.0	220
MAR									
05...	1445	9827	9827	140	6.5	13.0	10.4	15.0	K56
APR									
02...	1519	9827	9827	398	--	16.0	9.8	23.0	140
30...	1630	9827	9827	181	6.8	21.0	8.3	27.0	690
MAY									
28...	1400	9827	9827	22	6.8	25.0	7.2	26.0	K4
JUL									
02...	1130	9827	9827	3.0	7.0	27.0	6.9	29.0	<4
30...	1600	9827	9827	.30	7.2	30.0	5.8	27.0	K4
AUG									
28...	1515	9827	9827	.06	7.3	29.0	7.1	31.0	<4

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
02...	1500	3.0	25	20	5.0	4.0	51	12	.12
31...	1415	1.6	50	16	4.0	2.5	39	24	.06
NOV									
27...	1515	2.1	55	16	6.0	3.5	31	60	.08
JAN, 1985									
08...	1530	.8	--	16	--	5.0	39	8	.10
FEB									
19...	1530	.9	15	14	9.0	5.0	39	6	.12
MAR									
05...	1445	--	25	12	6.0	6.5	52	8	.14
APR									
02...	1519	3.1	35	12	11	2.5	56	12	.16
30...	1630	2.7	35	12	--	4.0	42	20	.12
MAY									
28...	1400	--	9.0	26	4.0	3.5	51	4	.04
JUL									
02...	1130	2.5	8.0	16	10	5.0	41	2	.04
30...	1600	2.6	3.0	20	6.0	4.0	37	4	.02
AUG									
28...	1515	4.6	3.0	22	5.0	4.0	38	2	.05

ARKANSAS RIVER BASIN

07262985 SOUTH FOURCHE LA FAVE RIVER AT HOLLIS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
02...	1500	.060	.040	.030	1	1	<10	2	20
31...	1415	.110	--	.040	1	2	<10	1	10
NOV									
27...	1515	.020	.070	.050	<1	<1	<10	2	20
JAN, 1985									
08...	1530	.110	--	.040	<1	2	<10	<1	10
FEB									
19...	1530	.050	--	.030	<1	<1	<10	--	--
MAR									
05...	1445	.060	.060	.090	1	1	<15	2	20
APR									
02...	1519	.040	--	.040	<1	<1	<15	1	10
30...	1630	.030	.120	.110	1	3	<15	2	20
MAY									
28...	1400	.030	.050	.030	1	<1	<15	<1	<10
JUL									
02...	1130	--	.030	.020	1	<1	<15	1	10
30...	1600	.030	.060	<.010	<1	<1	<15	<1	<10
AUG									
28...	1515	.020	.080	.020	3	1	<15	<1	10

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)
AUG, 1985									
28...	1515	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07263000 SOUTH FOURCHE LAFAVE RIVER NEAR HOLLIS, ARK.

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 above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--No estimated daily discharges. Records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--44 years, 298 ft^3/s, 19.27 in/yr, 215,900 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 greater than base discharge of 9,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 18	2345	22,600	13.92
Oct. 20	1515	*31,300	*15.77

No flow Sept. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	2000	423	909	415	360	1240	341	38	5.8	.51	.10
2	50	2700	337	623	365	331	664	253	31	5.2	.43	.06
3	39	1030	273	475	328	281	467	201	25	4.8	.36	.04
4	31	673	224	392	296	296	358	160	21	4.0	.29	.06
5	48	474	278	328	288	304	298	129	18	3.0	.29	.04
6	2080	348	441	278	281	259	250	106	16	2.3	1.8	.01
7	2550	270	348	242	276	228	210	90	15	1.7	6.2	.00
8	804	219	308	212	285	209	174	88	13	1.5	6.5	.02
9	434	188	296	188	307	189	145	73	12	1.2	5.7	.05
10	407	159	259	204	699	171	126	61	11	.96	4.4	.06
11	619	129	225	234	976	159	162	53	10	.79	2.7	.06
12	1070	106	205	198	649	144	288	47	9.4	1.0	1.8	.06
13	1130	91	218	171	495	128	190	43	8.1	.73	1.3	.05
14	1680	81	633	163	404	614	211	42	7.5	.55	1.1	.02
15	5350	133	913	155	338	701	249	36	7.1	.43	.83	.28
16	1590	149	652	149	292	451	189	28	7.0	.33	.71	.51
17	1420	148	540	163	254	339	152	24	6.7	.26	.58	.47
18	3420	2020	1620	159	225	270	124	21	38	.20	.51	.41
19	9020	1570	1430	143	296	224	105	19	42	.18	.48	.36
20	14600	819	2350	129	472	378	89	17	23	.14	.40	.31
21	6410	569	1750	108	413	3760	78	15	15	.15	.36	.25
22	2120	429	1400	99	547	2180	1760	134	13	.19	.31	.20
23	1690	346	844	98	7250	989	4680	120	16	.18	.26	.16
24	4120	290	630	99	3190	674	1570	74	15	.16	.23	.15
25	9000	256	473	100	1550	484	693	53	13	.16	.20	.16
26	2400	1990	371	94	879	373	457	42	10	.48	.15	.19
27	1630	4390	313	267	544	324	608	35	8.6	.54	.11	.19
28	2070	1650	274	796	406	291	720	42	7.7	.51	.10	.17
29	1660	824	242	584	---	252	488	97	7.0	.55	.10	.15
30	1320	572	232	486	---	4750	399	65	6.4	.50	.10	.16
31	1080	---	414	457	---	4320	---	49	---	.49	.10	---
TOTAL	79908	24623	18916	8703	22720	24433	17144	2558	470.5	38.98	38.91	4.75
MEAN	2578	821	610	281	811	788	571	82.5	15.7	1.26	1.26	.16
MAX	14600	4390	2350	909	7250	4750	4680	341	42	5.8	6.5	.51
MIN	31	81	205	94	225	128	78	15	6.4	.14	.10	.00
CFSM	12.3	3.91	2.90	1.34	3.86	3.75	2.72	.39	.07	.01	.01	.00
IN.	14.16	4.36	3.35	1.54	4.02	4.33	3.04	.45	.08	.01	.01	.00
AC-FT	158500	48840	37520	17260	45070	48460	34010	5070	933	77	77	9.4

CAL YR 1984	TOTAL	201579.9	MEAN	551	MAX	14600	MIN	2.8	CFSM	2.62	IN.	35.71	AC-FT	399800
WTR YR 1985	TOTAL	199558.14	MEAN	547	MAX	14600	MIN	.00	CFSM	2.60	IN.	35.35	AC-FT	395800

07263240 STONE DAM CREEK NEAR CONWAY, ARK.

LOCATION.--Lat 35°03'32", long 92°26'28", in SW 1/4 NE 1/4 sec.24, T.5 N., R.14 W., Faulkner County, Hydrologic Unit 11110203, at intersection of two unnamed county roads, 1.0 mi west of State Highway 365, 0.6 mi south of State Highway 286, and 2.1 mi south of Conway Post Office.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984									
02...	0930	9827	9827	7.4	18.0	5.2	15.0	K60	4.5
30...	0835	9827	9827	6.8	--	5.0	--	K24	.7
NOV									
27...	0900	9827	9827	6.7	9.0	8.0	4.0	<4	2.1
JAN, 1985									
08...	0930	9827	9827	7.1	9.0	7.3	2.0	<4	1.9
FEB									
20...	0920	9827	9827	6.9	8.0	7.7	11.0	<4	9.6
MAR									
05...	1620	9827	9827	7.0	13.0	7.8	15.0	K4	--
APR									
02...	1655	9827	9827	--	12.0	5.9	21.0	K30	3.5
30...	1745	9827	9827	7.0	22.0	4.2	27.0	K60	4.0
MAY									
28...	1600	9827	9827	7.4	22.0	--	18.0	>600	--
JUL									
02...	1000	9827	9827	7.1	24.0	2.7	28.0	160	--
30...	0950	9827	9827	7.3	26.0	2.5	25.0	370	--
AUG									
13...	1330	9827	9827	--	30.0	--	31.0	260	--
28...	0835	9827	9827	7.5	24.0	3.3	27.0	360	--

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984									
02...	0930	20	62	58	31	243	14	--	16.5
30...	0835	25	48	30	21	152	20	3.8	2.30
NOV									
27...	0900	30	28	18	9.5	59	25	.81	1.70
JAN, 1985									
08...	0930	--	60	--	21	169	9	.78	>5.00
FEB									
20...	0920	30	50	28	18	142	19	.62	3.35
MAR									
05...	1620	30	38	30	17	147	18	.71	3.45
APR									
02...	1655	20	44	34	15	147	14	2.9	2.30
30...	1745	15	38	--	2.5	178	12	4.9	1.95
MAY									
28...	1600	10	62	32	27	205	15	3.2	12.0
JUL									
02...	1000	10	44	51	41	268	22	5.1	--
30...	0950	8.0	52	34	26	210	14	3.7	8.60
AUG									
28...	0835	9.0	50	33	21	185	22	1.5	8.90

07263240 STONE DAM CREEK NEAR CONWAY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)
OCT, 1984									
02...	0930	7.40	7.00	3	24	16	21	80	--
30...	0835	--	2.25	3	35	16	27	180	--
NOV									
27...	0900	.750	--	12	5	27	160	100	--
JAN, 1985									
08...	0930	--	2.95	2	19	21	25	80	--
FEB									
20...	0920	--	1.45	--	--	--	--	--	--
MAR									
05...	1620	1.90	1.35	--	--	--	--	--	--
APR									
02...	1655	--	1.65	4	15	16	17	170	--
30...	1745	3.10	2.70	3	31	18	6	130	--
MAY									
28...	1600	6.10	5.90	4	10	18	10	60	--
JUL									
02...	1000	8.60	8.20	--	5	56	31	140	--
30...	0950	5.40	4.75	3	2	<15	11	40	--
AUG									
28...	0835	4.70	4.20	17	3	<15	7	60	<.001

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)
AUG, 1985								
28...	0835	<.001	<.002	<.001	<.001	<.01	<.01	<1

07263450 ARKANSAS RIVER AT MURRAY DAM, AT LITTLE ROCK, ARK.

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 U.S. Army 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, 1970, auxiliary water-stage recorder 5.5 mi upstream from former gage.

REMARKS.--No estimated daily discharges. Water-discharge 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.--58 years, 40,840 ft^3/s, 29,590,000 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, 221,000 ft^3/s Apr. 2, tailwater elevation, 248.72 ft; minimum daily, 384 ft^3/s Oct. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3450	69900	61600	133000	45900	169000	210000	106000	35200	47900	9830	35700
2	1970	105000	43100	151000	40800	156000	218000	134000	25900	43100	6220	13400
3	384	115000	40800	162000	43300	148000	199000	146000	32700	43900	4630	11600
4	453	101000	40800	165000	40000	150000	172000	145000	27200	39200	4620	24700
5	402	90200	33900	160000	42800	152000	153000	138000	36600	32300	2790	24200
6	12300	72900	42400	157000	40600	150000	142000	135000	49100	29100	9200	18200
7	41500	62700	51900	154000	33800	149000	165000	136000	68000	35700	22400	19000
8	31200	64800	26400	156000	39000	147000	159000	135000	79000	32900	9090	9430
9	4950	55500	26000	150000	38900	138000	155000	130000	84800	34500	6670	22700
10	16700	40900	19600	145000	39700	136000	151000	127000	90600	35100	4480	18500
11	19400	34900	30800	150000	54600	132000	149000	113000	92800	36400	1580	11300
12	11100	32800	42000	146000	55800	138000	136000	107000	90500	32500	7990	11300
13	10300	34500	35500	143000	48700	150000	118000	108000	95400	28900	17500	4290
14	20300	30300	47800	141000	43400	134000	104000	106000	99200	12500	5230	25200
15	38500	39300	72800	126000	37100	134000	87200	97400	100000	23800	12700	29200
16	46400	49100	99400	116000	38500	134000	80600	89600	101000	25000	14600	11300
17	44500	48500	109000	116000	41100	134000	74100	87400	101000	27100	7040	9330
18	41300	52900	114000	106000	32000	131000	72200	90600	106000	26500	23000	19900
19	69300	120000	121000	92100	30000	159000	70200	89100	99100	23100	18900	25900
20	76800	138000	139000	83200	37400	158000	65600	70000	81900	24400	22500	17700
21	121000	102000	144000	73900	39500	139000	59200	49000	72000	28700	15000	15000
22	144000	75100	160000	60200	46400	145000	54500	72300	63400	23000	20800	2000
23	136000	64000	164000	51800	92800	151000	96400	63600	68800	22600	19200	1930
24	108000	63400	157000	52800	158000	157000	112000	43500	69100	18100	23900	10800
25	103000	61700	150000	58200	201000	154000	108000	42400	76200	16100	27200	15700
26	141000	60000	128000	56700	198000	145000	89100	42500	73200	15400	34400	23500
27	130000	85200	98000	52100	182000	164000	86400	37400	75200	3520	25500	27100
28	110000	106000	80600	52100	163000	163000	100000	38200	79300	10300	27200	24900
29	93500	93000	71300	51800	---	161000	101000	32500	78200	10700	31200	27000
30	76000	80300	79100	49900	---	160000	99900	29700	62400	18000	33000	27000
31	61500	---	107000	50200	---	165000	---	30700	---	9040	35200	---
TOTAL	1715209	2148900	2536800	3362000	1904100	4603000	3587400	2771900	2213800	809360	503570	537780
MEAN	55330	71630	81830	108500	68000	148500	119600	89420	73790	26110	16240	17930
MAX	144000	138000	164000	165000	201000	169000	218000	146000	106000	47900	35200	35700
MIN	384	30300	19600	49900	30000	131000	54500	29700	25900	3520	1580	1930
AC-FT	3402000	4262000	5032000	6669000	3777000	9130000	7116000	5498000	4391000	1605000	998800	1067000

CAL YR 1984 TOTAL 18707891 MEAN 51110 MAX 165000 MIN 384 AC-FT 37110000
WTR YR 1985 TOTAL 26693819 MEAN 73130 MAX 218000 MIN 384 AC-FT 52950000

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK, ARK.--CONTINUED

WATER-QUALITY RECORDS

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984											
02...	1335	9827	9827	1840	--	665	8.0	21.0	8.9	23.0	--
23...	1420	9827	9827	--	137000	188	6.8	11.0	7.8	11.0	260
DEC											
18...	1450	9827	9827	113000	--	184	7.2	12.0	10.8	10.0	270
JAN, 1985											
08...	1350	9827	9827	156000	--	232	7.5	7.0	12.7	12.0	K180
FEB											
12...	1300	9827	9827	55800	--	--	7.4	2.0	13.7	5.0	K50
MAR											
05...	1310	9827	9827	152000	--	--	7.4	11.0	11.1	10.0	K80
APR											
02...	1515	9827	9827	--	218000	--	7.5	16.0	9.4	23.0	240
29...	1240	9827	9827	101000	--	263	7.7	22.0	8.5	29.0	K60
MAY											
28...	1430	9827	9827	40600	--	492	--	25.0	8.4	30.0	K12
JUL											
02...	1450	9827	9827	42900	--	530	7.0	29.0	7.8	32.0	K16
23...	1415	9827	9827	22800	--	--	8.3	31.0	8.6	34.0	K4
AUG											
27...	1315	9827	9827	24300	--	605	8.2	29.0	8.2	33.0	K4

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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, 1984											
02...	1335	1.8	5.0	16	150	51	99	374	8	.02	.050
23...	1420	1.5	65	19	48	20	27	139	60	.23	.070
DEC											
18...	1450	1.4	35	15	58	19	18	137	30	.26	.080
JAN, 1985											
08...	1350	1.4	--	18	76	20	32	169	<1	.38	.090
FEB											
12...	1300	1.1	--	--	94	31	48	210	17	.53	.120
MAR											
05...	1310	1.9	110	22	74	21	32	211	125	.76	.200
APR											
02...	1515	1.6	100	--	70	28	42	212	133	.54	.070
29...	1240	1.5	55	16	70	--	32	176	34	.50	.060
MAY											
28...	1430	--	40	14	130	34	--	--	24	.66	.050
JUL											
02...	1450	1.0	30	13	130	37	2.5	317	24	.52	.010
23...	1415	1.9	20	13	140	42	95	338	14	.23	.030
AUG											
27...	1315	1.4	15	15	140	38	100	354	16	.17	.010

07263450 ARKANSAS RIVER AT MURRAY DAM AT LITTLE ROCK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1984											
02...	1335	--	<.10	--	.060	.050	--	<1	<1	10	26
23...	1420	.13	.20	.43	.130	.060	--	<1	6	<10	7
DEC											
18...	1450	.42	.50	.76	.070	.040	<5	1	6	10	7
JAN, 1985											
08...	1350	--	--	--	--	.070	12	<1	5	25	70
FEB											
12...	1300	--	--	--	.070	.060	--	<1	4	--	--
MAR											
05...	1310	.10	.30	1.1	--	.100	--	1	6	30	70
APR											
02...	1515	.63	.70	1.2	.110	.060	11	<1	6	<15	6
29...	1240	.24	.30	.80	.140	.070	--	--	6	22	13
MAY											
28...	1430	--	--	--	.110	--	--	<1	<1	<15	6
JUL											
02...	1450	.39	.40	.92	.140	.100	16	<1	<1	<15	4
23...	1415	.47	.50	.73	.080	.040	10	<1	6	18	3
AUG											
27...	1315	--	--	--	.080	.050	--	--	1	<15	1

DATE	TIME	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984											
02...	1335	--	90	--	--	--	--	--	--	--	--
23...	1420	--	50	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
DEC											
18...	1450	<5	--	--	--	--	--	--	--	--	--
JAN, 1985											
08...	1350	5	--	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
FEB											
12...	1300	--	80	--	--	--	--	--	--	--	--
APR											
02...	1515	--	40	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
JUL											
02...	1450	<1	40	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
23...	1415	<1	20	--	--	--	--	--	--	--	--
AUG											
27...	1315	--	<10	--	--	--	--	--	--	--	--

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, ARK.
(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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT, 1984											
03...	0900	80513	80010	329	567	8.3	20.0	3.4	8.5	94	762
DEC											
06...	0900	80513	80010	43700	135	7.5	7.0	20	11.3	92	771
FEB, 1985											
13...	1130	80513	80020	44900	340	7.9	1.5	15	15.8	112	764
APR											
26...	0950	80513	80020	81000	268	7.8	19.5	40	8.6	95	752
JUN											
27...	0915	80513	80010	72700	537	8.2	28.0	33	8.5	109	760
AUG											
02...	0915	80513	80010	4550	645	8.4	30.0	4.5	8.0	106	762

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 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)
OCT, 1984										
03...	0900	K1300	36	130	37	38	9.6	61	49	2
DEC										
06...	0900	310	K620	43	0	12	3.1	8.5	29	.6
FEB, 1985										
13...	1130	100	140	94	25	27	6.3	33	43	2
APR										
26...	0950	400	650	73	23	21	4.9	23	40	1
JUN										
27...	0915	250	94	130	40	38	8.3	53	47	2
AUG										
02...	0915	K28	K2500	150	35	43	9.1	79	54	3

DATE	TIME	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)
OCT, 1984										
03...	0900	3.2	--	44	91	.20	1.8	329	310	.45
DEC										
06...	0900	1.8	58	14	11	.10	5.2	86	91	.12
FEB, 1985										
13...	1130	2.2	69	29	50	.10	5.5	217	200	.30
APR										
26...	0950	1.3	50	21	36	.20	5.8	165	140	.22
JUN										
27...	0915	2.6	90	45	86	.20	4.9	343	290	.47
AUG										
02...	0915	3.4	110	45	110	.20	.3	378	360	.51

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)
OCT, 1984										
03...	0900	<.10	.180	.70	.090	.050	.060	<10	2	78
DEC										
06...	0900	.27	.050	.30	.080	.020	.030	--	--	--
FEB, 1985										
13...	1130	.52	.080	.40	.080	.030	.050	40	<1	51
APR										
26...	0950	.47	<.010	.70	<.010	.010	.030	--	--	--
JUN										
27...	0915	.45	.070	.80	.090	.050	.040	40	1	120
AUG										
02...	0915	<.10	.180	.50	<.010	<.010	<.010	20	1	86

DATE	TIME	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)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
OCT, 1984										
03...	0900	<.5	<1	<1	<3	2	9	4	5	3
FEB, 1985										
13...	1130	<.5	<1	<1	<3	2	34	<1	<4	22
JUN										
27...	0915	.7	<1	3	<3	7	31	2	6	3
AUG										
02...	0915	<.5	<1	4	<3	5	10	1	4	3

DATE	TIME	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, 1984										
03...	0900	<.1	<10	5	<1	<1	320	7	--	--
FEB, 1985										
13...	1130	<.1	<10	1	<1	<1	200	8	--	<5.0
APR										
26...	0950	--	--	--	--	--	--	--	.27	<2.5
JUN										
27...	0915	.2	<10	<1	<1	<1	290	59	--	--
AUG										
02...	0915	<.1	<10	3	<1	<1	340	7	--	--

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, 1984										
03...	0900	--	--	--	--	--	--	3	2.7	50
DEC										
06...	0900	--	--	--	--	--	--	18	2120	79
FEB, 1985										
13...	1130	<1.2	4.2	<1.3	3.6	<1.1	.09	24	2910	79
APR										
26...	0950	2.3	2.5	2.0	2.2	1.8	.05	46	10100	82
JUN										
27...	0915	--	--	--	--	--	--	47	9230	88
AUG										
02...	0915	--	--	--	--	--	--	20	246	57

07263640 ARKANSAS RIVER AT LOCK AND DAM 5 NEAR WRIGHT, ARK.

LOCATION.--Lat 34°24'48", long 92°06'07", in SE 1/4 NE 1/4 sec.33, T.3 S., R.10 W., Jefferson County, Hydrologic Unit 11110207, at left bank on downstram side of lock and dam, 4.0 mi southwest of Wright, Ark., off State Highway 256.

DRAINAGE AREA.--158,542 mi^2, of which 22,241 mi^2 is probably noncontributing.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984											
02...	1440	9827	9827	1900	637	8.4	18.0	10.2	22.0	K8	--
30...	1035	9827	9827	77600	198	7.4	18.0	8.0	21.0	K130	1.8
NOV											
27...	1045	9827	9827	75800	150	7.2	10.0	10.6	11.0	92	1.6
JAN, 1985											
29...	0950	9827	9827	52400	337	7.8	3.0	13.6	2.0	K64	.8
FEB											
12...	0940	9827	9827	52400	--	7.7	1.0	13.8	2.0	K40	2.0
MAR											
05...	1001	9827	9827	--	--	7.5	10.0	10.6	11.0	K60	2.0
APR											
02...	1030	9827	9827	--	--	7.6	15.0	9.4	16.0	220	1.6
30...	1000	9827	9827	93500	263	7.7	22.0	8.5	24.0	<20	1.7
MAY											
28...	0935	9827	9827	41900	429	7.9	21.0	8.7	24.0	K36	2.0
JUL											
02...	0920	9827	9827	44000	460	8.1	26.0	8.8	23.0	K10	1.8
AUG											
13...	1240	9827	9827	--	637	8.4	31.0	--	34.0	--	3.0
27...	0808	9827	9827	35800	599	8.2	26.0	8.1	28.0	<4	1.6

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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, 1984										
02...	1440	5.5	20	150	53	99	378	13	.01	.020
30...	1035	50	20	54	17	27	134	42	.26	.100
NOV										
27...	1045	--	17	50	13	13	54	--	.28	.120
JAN, 1985										
29...	0950	--	11	110	29	46	211	20	.57	.080
FEB										
12...	0940	25	--	96	30	42	200	16	.53	.080
MAR										
05...	1001	140	25	72	19	22	212	150	.69	.140
APR										
02...	1030	90	--	84	30	43	233	106	.67	.070
30...	1000	60	19	76	--	32	184	48	.52	.060
MAY										
28...	0935	45	14	120	32	61	291	28	.63	.010
JUL										
02...	0920	--	15	140	39	--	387	--	.50	<.010
AUG										
13...	1240	6.0	15	140	52	110	367	--	.04	.150
27...	0808	15	16	140	39	92	336	18	.13	.010

07263640 ARKANSAS RIVER AT LOCK AND DAM 5 NEAR WRIGHT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1984										
02...	1440	--	<.10	--	--	.030	1	<1	14	9
30...	1035	--	<.10	--	.140	.060	--	--	11	--
NOV										
27...	1045	.18	.30	.58	.110	.070	1	1	12	--
JAN, 1985										
29...	0950	.02	.10	.67	--	.060	1	4	34	--
FEB										
12...	0940	.12	.20	.73	.080	.060	1	--	28	110
MAR										
05...	1001	.66	.80	1.5	.290	.130	1	4	--	22
APR										
02...	1030	.83	.90	1.6	.160	.050	1	5	18	10
30...	1000	.34	.40	.92	.200	.130	1	6	20	5
MAY										
28...	0935	--	--	--	.170	.070	1	1	15	7
JUL										
02...	0920	--	.50	1.0	.150	.070	1	<1	23	16
AUG										
13...	1240	.85	1.0	1.0	.100	.040	<1	3	<15	3
27...	0808	--	<.10	--	.100	.040	4	2	<15	1

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984										
02...	1440	40	--	--	--	--	--	--	--	--
NOV										
27...	1045	50	--	--	--	--	--	--	--	--
FEB, 1985										
12...	0940	50	--	--	--	--	--	--	--	--
APR										
02...	1030	60	--	--	--	--	--	--	--	--
30...	1000	40	--	--	--	--	--	--	--	--
MAY										
28...	0935	100	--	--	--	--	--	--	--	--
JUL										
02...	0920	--	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
AUG										
13...	1240	30	--	--	--	--	--	--	--	--
27...	0808	10	--	--	--	--	--	--	--	--

07263706 ARKANSAS RIVER AT LOCK AND DAM 4 NEAR PINE BLUFF, ARK.

LOCATION.--Lat 34°14'56", long 91°54'22", in SE 1/4 NE 1/4 sec.29, T.5 S., R.5 W., Jefferson County, Hydrologic Unit 11110207, on upstream side of lock and dam at end of State Highway 81, 2.2 mi east of St. Louis Southwestern Railroad Yard.

DRAINAGE AREA.--158,542 mi^2, of which 22,241 mi^2 is probably noncontributing.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984											
02...	1330	9827	9827	1600	610	8.2	18.0	10.0	20.0	K5	--
30...	1135	9827	9827	90200	193	7.4	18.0	8.5	22.0	330	1.9
NOV											
27...	1145	9827	9827	73900	143	7.3	10.0	10.8	11.0	200	1.7
JAN, 1985											
29...	1050	9827	9827	56500	259	7.7	3.0	13.8	2.0	K68	1.0
FEB											
12...	1045	9827	9827	54800	--	7.6	1.0	14.1	2.0	K20	1.7
MAR											
05...	1100	9827	9827	--	--	7.4	10.0	10.7	11.0	20	2.1
05...	1105	9827	9827	--	--	--	--	--	--	K20	--
APR											
02...	1150	9827	9827	--	--	7.6	15.0	9.3	16.0	340	1.9
30...	1105	9827	9827	102000	258	7.7	22.0	8.9	25.0	K40	2.1
MAY											
28...	1035	9827	9827	38600	417	7.8	24.0	8.9	27.0	K12	2.0
JUL											
02...	1035	9827	9827	41900	543	8.0	28.0	9.0	30.0	K30	2.1
AUG											
13...	1400	9827	9827	--	647	8.4	30.0	--	34.0	--	2.6
27...	1908	9827	9827	29500	579	8.2	26.0	8.2	29.0	<4	3.3

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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, 1984										
02...	1330	6.5	20	160	50	92	358	14	.05	.020
30...	1135	50	--	50	17	27	131	46	.24	.080
NOV										
27...	1145	--	18	54	13	14	56	--	.28	.120
JAN, 1985										
29...	1050	--	13	100	29	47	209	15	.57	.080
FEB										
12...	1045	25	--	96	29	40	198	16	.52	.080
MAR										
05...	1100	150	25	72	19	21	192	156	.68	.130
APR										
02...	1150	95	--	82	29	43	234	159	.65	.070
30...	1105	65	16	76	--	32	173	44	.52	.040
MAY										
28...	1035	50	14	120	30	56	267	30	.63	.010
JUL										
02...	1035	--	14	140	40	--	324	--	.52	.010
AUG										
13...	1400	6.0	15	140	49	110	373	--	.04	<.010
27...	1908	8.0	19	140	38	92	326	16	.14	.010

07263706 ARKANSAS RIVER AT LOCK AND DAM 4 NEAR PINE BLUFF, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1984										
02...	1330	--	<.10	--	--	.070	1	<1	14	18
30...	1135	.42	.50	.74	.140	.050	--	--	12	--
NOV										
27...	1145	.18	.30	.58	.130	.070	1	1	<10	--
JAN, 1985										
29...	1050	.12	.20	.77	--	.060	<1	3	13	21
FEB										
12...	1045	.02	.10	.62	.080	.070	1	--	17	20
MAR										
05...	1100	.87	1.0	1.7	.230	.120	1	6	--	19
APR										
02...	1150	1.5	1.6	2.3	.160	.050	1	7	39	38
30...	1105	.36	.40	.92	.190	.120	1	6	23	10
MAY										
28...	1035	--	--	--	.160	.070	1	1	<15	4
JUL										
02...	1035	.49	.50	1.0	.130	.070	<1	1	18	7
AUG										
13...	1400	--	1.1	1.1	.080	.040	<1	1	15	4
27...	1908	--	<.10	--	.090	.040	<1	1	<15	1

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984										
02...	1330	40	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
NOV										
27...	1145	100	--	--	--	--	--	--	--	--
FEB, 1985										
12...	1045	30	--	--	--	--	--	--	--	--
APR										
02...	1150	140	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
30...	1105	50	--	--	--	--	--	--	--	--
MAY										
28...	1035	30	--	--	--	--	--	--	--	--
JUL										
02...	1035	--	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
AUG										
13...	1400	30	--	--	--	--	--	--	--	--
27...	1908	<10	--	--	--	--	--	--	--	--

07363920 BAYOU METO NEAR NORTH LITTLE ROCK, ARK.

LOCATION.--Lat 34°51'58", long 92°09'13", in NE 1/4 NE 1/4 sec.27, T.3 N., R.11 W., Pulaski County, Hydrologic Unit 08020402, at bridge on Cato Road, 2.2 mi east of State Highway 107, and 2.0 mi east of Gravel Ridge, Ark.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984									
02...	1245	9827	9827	6.6	15.0	2.4	24.0	K20	1.6
23...	1300	9827	9827	6.2	11.0	5.7	12.0	310	1.3
DEC									
18...	1330	9827	9827	6.5	10.0	8.4	10.0	390	1.5
JAN, 1985									
08...	1300	9827	9827	6.3	6.0	11.3	11.0	K20	1.1
FEB									
12...	1120	9827	9827	6.5	4.0	12.5	5.0	K10	1.2
MAR									
05...	1130	9827	9827	6.4	13.0	9.0	14.0	1000	2.5
APR									
02...	1420	9827	9827	6.7	16.0	8.4	23.0	K40	.9
29...	1115	9827	9827	6.6	21.0	6.8	24.0	210	--
MAY									
28...	1330	9827	9827	--	26.0	3.5	33.0	220	--
JUL									
02...	1350	9827	9827	7.1	29.0	4.0	34.0	K52	--
23...	1235	9827	9827	7.1	27.0	1.2	34.0	120	--
AUG									
27...	1140	9827	9827	7.0	26.0	1.2	30.0	K20	4.4

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984									
02...	1245	6.0	34	4.0	3.5	56	4	.03	.090
23...	1300	15	18	7.0	5.5	53	6	.11	.030
DEC									
18...	1330	30	20	6.0	5.0	62	18	.10	.050
JAN, 1985									
08...	1300	--	22	5.0	7.5	41	3	.14	.050
FEB									
12...	1120	--	20	9.0	8.5	45	.8	.21	.040
MAR									
05...	1130	50	18	4.0	7.0	69	30	.14	.090
APR									
02...	1420	25	16	9.0	4.0	50	11	.10	.040
29...	1115	20	14	--	3.5	45	10	.10	.060
MAY									
28...	1330	10	42	4.0	--	--	9	.06	.020
JUL									
02...	1350	15	24	7.0	2.0	62	10	.06	.060
23...	1235	10	48	5.0	3.5	61	6	.02	.120
AUG									
27...	1140	15	36	10	4.0	68	12	.05	.180

07263920 BAYOU METO NEAR NORTH LITTLE ROCK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)
OCT, 1984									
02...	1245	.070	.030	<1	<1	<10	10	50	--
23...	1300	.070	.030	<1	2	11	4	70	--
DEC									
18...	1330	.050	.030	<1	<1	<10	9	--	<.002
JAN, 1985									
08...	1300	--	.020	<1	1	30	90	--	--
FEB									
12...	1120	.020	.020	<1	<1	--	--	60	--
MAR									
05...	1130	--	.050	<1	<1	17	<1	--	<.001
APR									
02...	1420	.040	.030	<1	<1	<15	3	20	--
29...	1115	.070	.020	--	1	<15	11	--	<.001
MAY									
28...	1330	.070	--	<1	<1	<15	3	70	--
JUL									
02...	1350	.130	.040	1	<1	20	1	40	--
23...	1235	.090	.050	<1	<1	<15	1	10	<.001
AUG									
27...	1140	.140	.050	--	<1	<15	1	10	--

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)
DEC, 1984								
18...	1330	<.002	<.004	<.002	<.002	<.01	<.01	<1
MAR, 1985								
05...	1130	<.001	<.002	<.001	<.001	<.01	<.01	<1
APR								
29...	1115	<.001	<.002	<.001	<.001	<.01	<.01	<1
JUL								
23...	1235	<.001	<.002	<.001	<.001	<.01	<.01	<1

07263935 BAYOU METO NEAR JACKSONVILLE, ARK.

LOCATION.--Lat 34°50'39, long 92°07'20", in NE 1/4 SW 1/4 sec.31, T.3 N., R.10 W., Pulaski County, Hydrologic Unit 08020402, at bridge on State Highway 161, 1.2 mi south of Missouri Pacific Railroad bridge and 0.4 mi south of Old Military Road (State Highway 294).

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984									
02...	0930	9827	9827	7.2	15.0	2.4	15.0	K88	4.4
23...	0950	9827	9827	6.2	11.0	3.1	19.0	520	2.0
DEC									
18...	0950	9827	9827	6.6	15.0	4.5	15.0	K180	1.8
JAN, 1985									
08...	0930	9827	9827	6.6	5.0	9.9	11.0	480	2.1
FEB									
12...	0845	9827	9827	6.6	2.0	11.6	-1.0	K110	1.8
MAR									
05...	0900	9827	9827	6.6	12.0	7.3	8.0	K260	2.8
APR									
02...	1030	9827	9827	6.8	15.0	6.1	16.0	220	2.6
29...	0905	9827	9827	6.7	22.0	4.0	25.0	160	2.2
MAY									
28...	1015	9827	9827	--	26.0	2.1	30.0	K8	--
JUL									
02...	1015	9827	9827	7.1	26.0	.9	29.0	>600	--
23...	0940	9827	9827	7.4	28.0	1.4	30.0	>600	--
AUG									
27...	0900	9827	9827	7.3	26.0	1.1	25.0	84	4.3

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984									
02...	0930	20	260	6.0	650	1440	24	--	4.70
23...	0950	15	18	7.0	7.0	60	8	.05	.080
DEC									
18...	0950	25	20	6.0	12	81	16	.10	.170
JAN, 1985									
08...	0930	--	32	6.0	34	102	7	.32	.220
FEB									
12...	0845	--	26	10	25	78	8	.27	.120
MAR									
05...	0900	40	26	5.0	26	99	39	.22	.250
APR									
02...	1030	35	22	13	27	107	32	.18	.370
29...	0905	20	20	--	11	67	14	.11	.160
MAY									
28...	1015	20	150	7.0	--	--	24	.11	1.25
JUL									
02...	1015	15	120	10	1.0	600	21	.13	2.85
23...	0940	20	240	6.0	650	1390	34	.04	3.65
AUG									
27...	0900	10	88	10	190	466	20	.19	2.15

07263935 BAYOU METO NEAR JACKSONVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)
OCT, 1984									
02...	0930	2.25	1.40	<1	1	13	26	130	--
23...	0950	.150	.100	<1	<1	<10	15	120	--
DEC									
18...	0950	.190	.150	<1	2	<10	11	--	--
JAN, 1985									
08...	0930	--	.140	<1	8	28	100	--	--
FEB									
12...	0845	.140	.110	<1	<1	--	--	60	--
MAR									
05...	0900	--	.170	<1	1	15	<1	--	<.001
APR									
02...	1030	.240	.240	<1	1	<15	7	70	--
29...	0905	.220	.140	--	1	<15	11	--	<.001
MAY									
28...	1015	.880	--	<1	<1	<15	9	--	--
JUL									
02...	1015	1.36	.650	<1	<1	<15	2	30	--
23...	0940	2.65	1.50	1	1	<15	5	70	<.001
AUG									
27...	0900	1.70	1.15	--	<1	<15	<1	<10	--

DATE	TIME	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, 1985								
05...	0900	<.001	<.002	<.001	<.001	<.01	<.01	<1
APR								
29...	0905	<.001	<.002	<.001	<.001	<.01	<.01	<1
JUL								
23...	0940	<.001	<.002	<.001	<.001	<.01	<.01	<1

07264000 BAYOU METO NEAR LONOKE, ARK.

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.

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 U.S. Army 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 above 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.--Estimated daily discharges: Oct. 20 to Nov. 2, July 20-23, and July 28-31. Records good except for estimated daily discharges, Dec. 20 to Nov. 2, which are fair. Part of low flow is drainage from areas irrigated with ground water and from large minnow farm supplied with ground water.

AVERAGE DISCHARGE.--31 years, 296 ft^3/s, 214,500 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, 2,170 ft^3/s Dec. 3, gage height, 23.04 ft; minimum daily, 0.06 ft^3/s Aug. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.1	1300	1980	506	705	1290	640	1660	28	9.3	.06	17
2	7.5	1200	2140	494	707	1190	623	1520	32	7.9	.97	13
3	6.9	1210	2140	541	693	1030	588	1380	26	3.4	3.9	9.6
4	6.4	1080	2020	605	648	848	509	1210	20	1.3	.88	12
5	5.7	1000	1860	622	573	668	413	957	17	2.0	.50	24
6	24	953	1700	575	487	545	332	668	19	12	1.4	170
7	38	894	1510	471	434	480	294	439	23	18	1.1	341
8	176	808	1300	363	413	416	283	299	22	20	6.6	380
9	303	711	1110	281	406	348	252	246	19	19	15	318
10	339	723	933	256	419	290	208	267	19	20	18	206
11	331	802	787	248	482	249	178	238	16	11	16	155
12	376	860	674	240	493	219	155	183	12	10	11	290
13	461	903	577	230	480	196	139	117	6.6	7.4	3.5	343
14	478	927	502	202	452	187	163	89	5.1	6.6	.51	291
15	533	912	505	169	409	208	256	75	8.8	9.5	.79	197
16	612	848	610	163	349	320	385	64	7.0	12	3.7	109
17	651	765	741	220	285	392	440	58	5.0	13	7.3	67
18	628	715	884	264	239	367	396	61	33	4.9	6.3	50
19	1130	700	1000	291	209	304	310	49	35	4.0	14	42
20	1300	708	1110	279	203	269	236	42	43	2.0	21	32
21	2000	753	1150	237	233	489	180	40	42	1.0	62	24
22	1900	807	1150	192	267	738	148	42	39	3.0	116	18
23	1600	835	1150	154	335	882	686	44	28	6.0	98	15
24	1700	812	1190	131	600	1020	1180	38	35	6.5	65	9.8
25	1600	738	1170	124	761	1140	1390	37	67	8.1	56	7.4
26	1300	655	1120	123	931	1150	1560	31	64	8.8	57	8.3
27	1100	860	1000	164	1140	1090	1810	23	47	5.9	50	7.8
28	1000	1140	849	301	1270	959	1920	22	28	2.5	38	9.7
29	1500	1370	673	445	---	813	1870	22	19	1.0	29	13
30	1500	1680	505	553	---	708	1780	21	13	.40	23	15
31	1400	---	420	676	---	686	---	23	---	.10	22	---
TOTAL	24013.6	27669	34460	10120	14623	19491	19324	9965	778.5	236.60	748.51	3194.6
MEAN	775	922	1112	326	522	629	644	321	25.9	7.63	24.1	106
MAX	2000	1680	2140	676	1270	1290	1920	1660	67	20	116	380
MIN	5.7	655	420	123	203	187	139	21	5.0	.10	.06	7.4
AC-FT	47630	54880	68350	20070	29000	38660	38330	19770	1540	469	1480	6340

CAL YR 1984	TOTAL	160180.5	MEAN	438	MAX	2140	MIN	1.1	AC-FT	317700
WTR YR 1985	TOTAL	164623.81	MEAN	451	MAX	2140	MIN	.06	AC-FT	326500

07265099 BAYOU METO NEAR BAYOU METO, ARK.

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 September 1983, October 1984 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
02...	1240	9827	9827	--	7.4	17.0	6.3	19.0	K20
30...	1225	9827	9827	6050	7.0	19.0	3.2	24.0	K30
NOV									
27...	1230	9827	9827	1220	6.7	10.0	7.2	11.0	270
JAN, 1985									
29...	1135	9827	9827	1110	7.4	3.0	10.8	3.0	96
FEB									
12...	1200	9827	9827	1680	6.9	2.0	11.4	3.0	K40
MAR									
05...	1200	9827	9827	2880	6.8	12.0	6.7	13.0	K20
APR									
02...	1250	9827	9827	4000	7.1	18.0	5.6	19.0	K500
30...	1155	9827	9827	4160	7.1	22.0	4.9	24.0	K160
MAY									
28...	1125	9827	9827	1700	7.1	24.0	4.1	28.0	K12
JUL									
02...	1145	9827	9827	1200	7.5	29.0	4.7	27.0	<100
AUG									
13...	1445	9827	9827	--	7.8	28.0	--	33.0	--
27...	1815	9827	9827	60	7.8	28.0	7.7	31.0	K68

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
02...	1240	--	50	84	12	21	176	36	.24
30...	1225	2.3	8.0	38	7.0	6.5	96	6	.04
NOV									
27...	1230	1.9	--	40	6.0	10	56	--	.11
JAN, 1985									
29...	1135	1.3	--	34	11	13	119	27	.25
FEB									
12...	1200	2.3	65	38	11	9.0	114	30	.32
MAR									
05...	1200	1.9	90	36	7.0	12	165	46	.29
APR									
02...	1250	1.5	70	40	14	10	160	44	.34
30...	1155	2.2	180	28	--	5.5	180	78	.28
MAY									
28...	1125	2.5	80	50	9.0	11	138	62	.35
JUL									
02...	1145	2.9	--	110	18	--	211	--	.38
AUG									
13...	1445	3.6	45	110	13	27	197	--	.31
27...	1815	--	20	160	12	36	260	89	.13

07265099 BAYOU METO NEAR BAYOU METO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
02...	1240	.090	--	.130	<1	3	<10	2	10
30...	1225	.050	.220	.150	--	--	<10	--	--
NOV									
27...	1230	.090	.250	.170	1	4	10	--	110
JAN, 1985									
29...	1135	.100	--	.150	1	6	13	10	--
FEB									
12...	1200	.070	.150	.140	<1	--	13	10	30
MAR									
05...	1200	.170	.270	.210	<1	1	--	14	--
APR									
02...	1250	.080	.190	.130	1	4	31	18	60
30...	1155	.180	.440	.320	1	9	21	16	50
MAY									
28...	1125	.130	.320	.190	1	3	<15	6	30
JUL									
02...	1145	.010	.220	.070	1	1	<15	8	--
AUG									
13...	1445	<.010	.170	.080	<1	2	<15	3	50
27...	1815	<.010	.310	.060	<1	2	<15	2	<10

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, 1984									
02...	1240	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
FEB, 1985									
12...	1200	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
MAY									
28...	1125	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
AUG									
13...	1445	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, ARK.
(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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
NOV, 1984											
14...	1100	80513	80010	50100	270	7.6	15.0	60	10.2	101	767
JAN, 1985											
02...	1200	80513	80010	132000	270	7.8	9.0	40	10.4	89	770
APR											
15...	1000	80513	80010	122000	316	7.4	14.5	60	8.8	86	762
JUN											
20...	1200	80513	80010	112000	450	8.0	27.0	30	7.6	96	762
JUL											
17...	1230	80513	80010	26600	509	8.2	30.0	9.0	7.5	99	762
AUG											
13...	1145	80513	80010	24700	608	8.3	26.0	2.0	8.1	100	761

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 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)
NOV, 1984											
14...	1100	83	440	62	19	17	4.6	22	43	1	2.6
JAN, 1985											
02...	1200	130	K380	71	9	20	5.0	21	38	1	2.1
APR											
15...	1000	100	840	88	20	25	6.1	25	37	1	2.7
JUN											
20...	1200	K200	2500	120	54	38	7.2	39	40	2	2.7
JUL											
17...	1230	K40	2500	130	26	39	7.7	45	42	2	3.1
AUG											
13...	1145	86	2200	140	37	41	9.1	71	52	3	3.5

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
NOV, 1984										
14...	1100	43	21	30	.20	6.2	139	130	.19	.25
JAN, 1985										
02...	1200	62	23	36	.20	5.1	184	150	.25	.37
APR										
15...	1000	68	26	42	.10	6.2	179	170	.24	.81
JUN										
20...	1200	71	37	64	.20	5.1	286	240	.39	.54
JUL										
17...	1230	104	36	67	.20	4.0	276	260	.38	.36
AUG										
13...	1145	103	42	100	.10	.8	333	330	.45	<.10

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	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)
NOV, 1984										
14...	1100	.230	.30	.170	.030	.050	20	1	71	<.5
JAN, 1985										
02...	1200	.130	.70	.110	.030	.040	--	--	--	--
APR										
15...	1000	.070	1.0	.100	.050	.050	30	<1	58	<.5
JUN										
20...	1200	<.010	.60	.080	.060	.040	--	--	--	--
JUL										
17...	1230	.030	.60	.050	<.010	.010	20	1	73	<.5
AUG										
13...	1145	.040	.50	.070	<.010	<.010	50	2	84	<.5

DATE	TIME	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 @GG/L AS FE) (01046)	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)
NOV, 1984										
14...	1100	<1	<1	<3	7	160	<1	5	4	<.1
APR, 1985										
15...	1000	<1	<1	<3	3	59	2	<4	2	.1
JUL										
17...	1230	<1	2	<3	4	21	3	11	<1	<.1
AUG										
13...	1145	<1	<1	<3	7	5	<1	4	3	<.1

DATE	TIME	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)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV, 1984										
14...	1100	<10	3	<1	<1	140	10	--	--	--
JAN, 1985										
02...	1200	--	--	--	--	--	--	47	16800	90
APR										
15...	1000	<10	8	<1	<1	160	15	--	--	--
JUN										
20...	1200	--	--	--	--	--	--	45	13600	87
JUL										
17...	1230	<10	4	<1	<1	300	11	21	1510	52
AUG										
13...	1145	<10	4	<1	<1	330	10	10	667	44

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, ARK.
(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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT, 1984											
22...	1400	80513	80010	360000	410	7.9	15.0	85	7.9	78	770
JAN, 1985											
23...	1400	80513	80010	700000	351	7.9	1.5	30	12.6	89	774
APR											
15...	1400	80513	80010	1200000	305	7.6	14.0	60	8.2	80	762
JUL											
22...	1700	80513	80010	318000	435	8.1	29.0	15	8.2	107	760

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 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)
OCT, 1984											
22...	1400	K2400	1600	140	30	35	12	27	29	1	3.2
JAN, 1985											
23...	1400	260	380	140	27	36	11	14	18	.5	2.1
APR											
15...	1400	130	140	130	36	34	11	12	16	.5	3.0
JUL											
22...	1700	140	K28	160	32	44	13	24	24	.8	3.1

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
OCT, 1984										
22...	1400	107	60	26	.20	5.7	239	230	.33	.59
JAN, 1985										
23...	1400	109	42	18	.20	6.7	220	200	.30	1.5
APR										
15...	1400	95	43	16	.20	6.3	199	180	.27	1.9
JUL										
22...	1700	132	59	24	.20	3.8	267	250	.36	.81

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	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)
OCT, 1984										
22...	1400	.070	1.0	.130	.070	.070	10	2	71	<.5
JAN, 1985										
23...	1400	.120	.40	.140	.140	.050	20	<1	160	<.5
APR										
15...	1400	.060	1.6	.150	.040	.040	20	<1	54	<.5
JUL										
22...	1700	.010	.70	.110	.050	.050	50	2	73	<.5

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)
OCT, 1984										
22...	1400	<1	<1	<3	2	25	<1	9	26	<.1
JAN, 1985										
23...	1400	<1	<1	<3	10	40	1	<4	9	<.1
APR										
15...	1400	<1	<1	<3	3	34	3	<4	2	.2
JUL										
22...	1700	<1	<1	<3	6	7	1	27	1	<.1

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. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT, 1984										
22...	1400	<10	1	<1	<1	200	8	422	410000	97
JAN, 1985										
23...	1400	<10	4	<1	<1	150	83	177	335000	57
APR										
15...	1400	<10	1	<1	<1	130	10	99	321000	96
JUL										
22...	1700	<10	4	<1	<1	200	6	--	--	--

07336860 RED RIVER NEAR FOREMAN, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984										
09...	1140	9827	9827	1330	7.9	21.0	7.5	22.0	K72	3.5
NOV										
06...	1200	9827	9827	38000	7.9	15.0	8.1	16.0	520	2.4
DEC										
04...	1115	9827	9827	9580	7.8	8.0	10.5	9.0	--	2.2
JAN, 1985										
15...	1120	9827	9827	18400	7.9	4.0	12.1	5.0	K130	1.0
FEB										
12...	1130	9827	9827	14100	7.8	5.0	12.1	7.0	K150	1.9
MAR										
12...	1120	9827	9827	30800	7.9	12.0	10.1	15.0	--	1.8
APR										
09...	1115	9827	9827	51500	8.0	16.0	8.7	16.0	K50	.9
JUN										
04...	1030	9827	9827	11200	8.2	29.0	8.7	31.0	<10	2.6
JUL										
09...	0800	9827	9827	12200	--	28.0	8.2	24.0	K4	3.1
AUG										
13...	1100	9827	9827	4280	8.3	30.0	--	30.0	<4	4.7
SEP										
10...	1115	9827	9827	2220	8.2	27.0	8.9	25.0	92	4.5

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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)
OCT, 1984										
09...	1140	55	170	52	71	400	62	.17	.120	--
NOV										
06...	1200	180	72	--	5.5	162	247	.13	.070	.170
DEC										
04...	1115	50	120	73	95	75	351	.19	.050	.110
JAN, 1985										
15...	1120	85	300	180	--	876	196	.23	.060	--
FEB										
12...	1130	70	150	66	82	347	125	.26	.050	.110
MAR										
12...	1120	120	230	130	250	611	313	.30	.080	.190
APR										
09...	1115	180	230	120	150	557	422	.36	.080	.320
JUN										
04...	1030	45	170	64	88	354	88	.02	<.010	.110
JUL										
09...	0800	50	190	76	--	432	62	.06	.010	.120
AUG										
13...	1100	10	250	110	190	618	36	.01	.010	.090
SEP										
10...	1115	20	240	94	150	543	38	.02	.070	.110

07336860 RED RIVER NEAR FOREMAN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1984									
09...	1140	.060	--	<1	3	22	40	--	100
NOV									
06...	1200	.110	<5	1	8	38	18	<5	110
DEC									
04...	1115	.040	--	<1	<1	22	100	--	--
JAN, 1985									
15...	1120	--	--	<1	5	15	4	--	30
FEB									
12...	1130	.060	--	<1	3	14	9	--	30
MAR									
12...	1120	.060	--	<1	7	16	10	--	50
APR									
09...	1115	.090	31	1	18	15	--	<1	40
JUN									
04...	1030	.030	--	<1	<1	20	5	--	30
JUL									
09...	0800	.010	10	1	8	40	44	--	90
AUG									
13...	1100	.040	--	--	1	31	11	--	90
SEP									
10...	1115	.030	--	<1	1	<15	--	--	--

07337000 RED RIVER AT INDEX, ARK.

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 above 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.--No estimated daily discharges. Water-discharge 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. Satellite telemeter at station.

AVERAGE DISCHARGE.--49 years, 11,820 ft^3/s, 8,564,000 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, 58,300 ft^3/s Apr. 7, gage height, 17.19 ft; minimum daily, 1,350 ft^3/s Oct. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1350	29900	13200	14900	8900	44700	47700	44400	21300	15000	4190	3660
2	1650	35400	12200	22800	10400	49200	46900	51500	18400	14600	3850	3250
3	1970	53200	10100	33500	10300	48500	44700	53600	15000	14400	4020	3030
4	1740	55400	8350	41600	10600	46200	45000	47100	12700	14500	4290	2990
5	1510	47200	7920	45500	12900	44900	42700	45900	10600	15300	4350	2890
6	1410	39600	7510	46500	13400	45400	47800	45500	8180	17300	4320	2670
7	1470	34200	6220	45500	12600	47700	55900	46800	8350	17900	4290	2490
8	1470	30800	6470	35900	13200	48200	55900	46900	36000	16700	3960	2430
9	1730	27400	7140	33500	14300	47600	50600	43800	47100	14800	3600	2440
10	1820	23900	7090	36900	14700	43500	47400	40800	37900	12500	3770	2410
11	1580	21900	6460	36000	14900	38700	45300	39400	36500	10300	4120	2340
12	1730	20800	5660	34100	14600	34200	44500	38600	42400	9760	4190	2320
13	3370	19900	5350	28000	14900	31500	41600	37000	46800	9580	4180	2350
14	4110	19400	5260	22100	16800	30200	35200	34200	48700	9350	4260	2400
15	4350	19300	6370	18200	19000	31800	29100	31900	47400	9180	4050	2520
16	3950	18500	9910	16800	17300	32900	22000	33500	44700	9020	3620	2590
17	3870	18000	17900	16700	13200	33200	18100	31900	42800	8280	3700	2260
18	3940	16500	23900	16600	10300	30200	16600	25000	42700	7330	4050	2100
19	5330	13700	37500	16600	9560	25000	15700	20000	46100	7180	4150	2040
20	6100	15000	46000	16100	9540	22700	15100	16800	47200	7450	4210	2010
21	7480	22600	46700	15300	7960	27900	14600	17700	46500	7090	4150	1890
22	11900	25800	42100	13800	8350	48100	14500	21500	46200	6630	4040	1730
23	18000	24700	38000	11900	14300	56500	20900	26900	45200	6440	3880	1770
24	22900	21900	35600	11400	28300	56300	27800	31400	39700	6080	3930	1820
25	27500	16900	33400	12100	44600	52800	37900	30500	34500	5060	4160	1850
26	35900	12900	30000	12400	50400	49800	40900	24200	31000	4680	4220	1850
27	38500	13900	27600	12000	46000	49100	40900	17900	27000	5010	4060	1810
28	38900	14800	22600	10000	42800	48500	46800	15700	22100	5230	4010	1620
29	36600	14300	18300	8900	---	47100	49600	19800	18100	4990	3820	1640
30	33700	13500	15600	8610	---	46300	45000	21900	15800	4830	3390	1770
31	31600	---	13900	8300	---	46900	---	22100	---	4670	3420	---
TOTAL	357430	741300	574310	702510	504110	1305600	1106700	1024200	986930	301140	124250	68940
MEAN	11530	24710	18530	22660	18000	42120	36890	33040	32900	9714	4008	2298
MAX	38900	55400	46700	46500	50400	56500	55900	53600	48700	17900	4350	3660
MIN	1350	12900	5260	8300	7960	22700	14500	15700	8180	4670	3390	1620
AC-FT	709000	1470000	1139000	1393000	999900	2590000	2195000	2032000	1958000	597300	246400	136700

CAL YR 1984 TOTAL 3663120 MEAN 10010 MAX 55400 MIN 1280 AC-FT 7266000
WTR YR 1985 TOTAL 7797420 MEAN 21360 MAX 56500 MIN 1350 AC-FT 15466000

07337000 RED RIVER AT INDEX, ARK.--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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT, 1984											
10...	0730	80513	80010	1970	720	7.8	22.0	19	7.1	82	759
DEC											
26...	1700	80513	80010	30300	719	8.0	11.5	70	9.6	88	764
FEB, 1985											
20...	1230	80513	80010	7950	875	7.9	9.0	40	10.4	90	767
APR											
16...	1030	80513	80010	21000	970	8.1	18.0	85	7.8	83	755
JUL											
15...	1200	80513	80010	8800	970	7.9	31.0	11	6.6	90	757
AUG											
05...	1045	80513	80010	4300	930	8.4	30.0	1.5	7.3	98	756

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 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)
OCT, 1984											
10...	0730	--	--	190	9	54	14	73	45	2	3.8
DEC											
26...	1700	600	410	150	8	41	11	76	52	3	2.7
FEB, 1985											
20...	1230	K660	230	180	78	50	14	84	50	3	3.1
APR											
16...	1030	K35	K60	220	94	59	17	96	48	3	4.4
JUL											
15...	1200	K16	K520	230	94	63	18	110	50	3	4.4
AUG											
05...	1045	K20	220	230	76	60	;9	99	48	3	4.4

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	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, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
OCT, 1984											
10...	0730	184	57	84	.20	5.9	421	400	.57	<.10	<.10
DEC											
26...	1700	140	84	120	.20	6.2	395	430	.54	--	--
FEB, 1985											
20...	1230	105	93	130	.20	5.7	464	440	.63	--	.28
APR											
16...	1030	124	100	160	.30	6.3	579	520	.79	--	.40
JUL											
15...	1200	138	100	160	.20	.1	594	540	.81	--	<.10
AUG											
05...	1045	153	96	150	.30	.7	584	520	.79	--	<.10

07337000 RED RIVER AT INDEX, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	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, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)
OCT, 1984											
10...	0730	.050	.050	.85	.90	.120	.030	.030	190	2	130
DEC											
26...	1700	--	--	--	.40	.040	--	--	--	--	--
FEB, 1985											
20...	1230	--	.090	--	.50	.020	<.010	.030	30	<1	100
APR											
16...	1030	--	.080	--	3.0	.040	.020	.030	30	<1	150
JUL											
15...	1200	--	.020	--	.50	.020	<.010	<.010	--	--	--
AUG											
05...	1045	--	.030	--	1.1	.030	<.010	.020	50	<1	160

DATE	TIME	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)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)	MERCURY DISSOLVED (UG/L AS HG) (71890)
OCT, 1984											
10...	0730	<.5	<1	9	<3	10	120	7	4	17	<.1
FEB, 1985											
20...	1230	<.5	3	5	<3	5	53	<1	33	13	.2
APR											
16...	1030	.5	<1	<1	<3	9	43	3	7	11	.1
AUG											
05...	1045	.7	<1	<1	<3	10	24	3	11	33	<.1

DATE	TIME	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)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT, 1984										
10...	0730	<10	5	<1	<1	470	79	43	229	76
DEC										
26...	1700	--	--	--	--	--	--	364	29800	95
FEB, 1985										
20...	1230	<10	3	1	<1	480	10	200	4290	58
APR										
16...	1030	<10	7	<1	<1	590	150	678	38400	71
JUL										
15...	1200	--	--	--	--	--	--	54	1280	64
AUG										
05...	1045	<10	5	<1	<1	650	9	26	302	53

07338720 MOUNTAIN FORK NEAR HATFIELD, ARK.

LOCATION.--Lat 34°30'12", long 94°25'50", in NE 1/4 NE 1/4 sec.17, T.3 S., R.32 W., Polk County, Hydrologic Unit 11140108, at bridge on State Highway 246, 3.1 mi northeast of Hatfield.

PERIOD OF RECORD.--October 1968 to April 1974, November 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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984									
09...	0920	9827	9827	6.3	18.0	8.5	16.0	140	.5
NOV									
06...	0940	9827	9827	6.7	12.0	9.7	11.0	K64	.8
DEC									
04...	0915	9827	9827	6.8	6.0	11.7	5.0	--	1.3
JAN, 1985									
15...	0900	9827	9827	6.6	3.0	12.7	4.0	--	1.8
FEB									
12...	0915	9827	9827	6.5	2.0	12.8	.0	<10	1.1
MAR									
12...	0930	9827	9827	6.7	13.0	9.9	12.0	--	1.3
APR									
09...	0910	9827	9827	6.9	12.0	9.9	16.0	K16	.5
MAY									
14...	1115	9827	9827	7.0	21.0	9.4	25.0	K900	1.9
JUN									
11...	1115	9827	9827	7.1	26.0	8.5	24.0	K64	1.5
JUL									
16...	1200	9827	9827	7.4	30.0	--	35.0	K4	--
AUG									
13...	1130	9827	9827	7.3	30.0	8.3	32.0	--	1.9
SEP									
10...	1030	9827	9827	7.2	25.0	--	26.0	K48	1.6

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984									
09...	0920	200	14	4.0	2.5	40	5	.14	.050
NOV									
06...	0940	7.8	12	--	2.5	50	4	.16	.010
DEC									
04...	0915	140	14	7.0	3.5	4	36	.17	.060
JAN, 1985									
15...	0900	9.5	14	6.0	--	41	6	.16	.010
FEB									
12...	0915	10	12	6.0	3.0	33	4	.14	.050
MAR									
12...	0930	8.0	10	6.0	4.5	38	2	.11	.050
APR									
09...	0910	6.4	16	6.0	2.0	36	<1	.08	.030
MAY									
14...	1115	10	12	6.0	2.5	--	8	--	.020
JUN									
11...	1115	7.0	14	3.0	3.0	33	12	.07	.040
JUL									
16...	1200	5.0	--	3.0	--	37	2	.08	<.010
AUG									
13...	1130	3.0	22	--	3.0	33	2	.03	<.010
SEP									
10...	1030	3.0	--	5.0	4.5	32	<1	.05	.050

07338720 MOUTAIN FORK NEAR HATFIELD, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1984								
09...	0920	--	.030	<1	1	13	8	70
NOV								
06...	0940	.030	.020	<1	3	17	7	120
DEC								
04...	0915	.030	.010	<1	1	15	7	--
JAN, 1985								
15...	0900	--	--	1	4	9	4	40
FEB								
12...	0915	.020	.020	<1	<1	<10	55	20
MAR								
12...	0930	.030	.030	<1	<1	<15	10	50
APR								
09...	0910	.040	.020	1	<1	<15	--	70
MAY								
14...	1115	.070	.040	1	<1	<15	--	20
JUN								
11...	1115	.060	.090	<1	3	<15	--	--
JUL								
16...	1200	.110	.060	<1	<1	15	2	20
AUG								
13...	1130	.070	.070	<1	1	<15	--	<10
SEP								
10...	1030	.050	<.010	<1	1	<15	--	20

07339450 DEQUEEN LAKE NEAR DEQUEEN, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT, 1984											
10...	1350	80513	80513	.00	67.0	35	7.2	22.0	8.7	758	2.30
10...	1352	80513	80513	10.0	67.0	35	7.2	21.0	8.2	758	--
10...	1354	80513	80513	20.0	67.0	36	7.0	20.5	5.3	758	--
10...	1356	80513	80513	25.0	67.0	39	6.8	19.5	1.2	758	--
10...	1358	80513	80513	30.0	67.0	40	6.6	19.0	1.0	758	--
10...	1400	80513	80513	40.0	67.0	32	6.8	18.5	6.2	758	--
10...	1402	80513	80513	50.0	67.0	32	6.7	18.0	6.1	758	--
10...	1404	80513	80513	60.0	67.0	40	6.6	18.0	1.8	758	--
10...	1405	80513	80513	67.0	67.0	98	6.7	17.5	.1	758	--
NOV											
20...	1530	80513	80513	.00	70.0	32	6.9	15.5	5.3	763	1.10
20...	1532	80513	80010	10.0	70.0	32	6.9	15.0	5.3	763	--
20...	1534	80513	80513	20.0	70.0	31	6.8	15.0	5.3	763	--
20...	1536	80513	80513	30.0	70.0	31	6.8	15.0	5.3	763	--
20...	1538	80513	80513	40.0	70.0	31	6.8	15.0	5.4	763	--
20...	1540	80513	80513	50.0	70.0	31	6.8	15.0	5.4	763	--
20...	1542	80513	80513	60.0	70.0	31	6.8	15.0	5.3	763	--
20...	1545	80513	80513	70.0	70.0	32	6.8	15.0	4.6	763	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC										
27...	1440	80513	80513	.00	62.0	26	6.5	11.0	9.4	759
27...	1441	80513	80010	3.00	62.0	26	6.5	11.0	9.3	759
27...	1442	80513	80513	10.0	62.0	26	6.4	10.5	9.2	759
27...	1445	80513	80010	62.0	10.0	26	6.4	10.5	9.2	759
27...	1446	80513	80513	20.0	62.0	26	6.3	10.5	9.0	759
27...	1448	80513	80513	30.0	62.0	26	6.3	10.5	9.0	759
27...	1449	80513	80513	40.0	62.0	26	6.2	10.5	8.8	759
27...	1450	80513	80010	50.0	50.0	26	6.2	10.0	8.4	759
27...	1452	80513	80513	60.0	62.0	29	6.0	9.0	6.6	759
27...	1455	80513	80513	62.0	62.0	30	6.0	9.0	6.3	759

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
DEC									
27...	1440	1.60	30	--	--	--	--	--	--
27...	1445	--	--	20	7.5	.6	10	9	3.8
27...	1450	--	--	20	6.5	.5	10	9	3.8

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
DEC									
27...	1445	11	.20	<.010	<.010	170	<1	20	1
27...	1450	2.3	.20	.080	<.010	230	<1	10	1

07339450 DEQUEEN LAKE NEAR DEQUEEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC									
27...	1441	--	--	--	--	--	--	4.60	<.100
27...	1445	330	<1	40	<.1	<1	<10	--	--
27...	1450	410	<1	40	.1	<1	30	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JAN, 1985											
23...	1520	80513	80513	.00	38.0	30	6.7	6.0	11.2	752	.80
23...	1522	80513	80513	10.0	38.0	30	6.6	6.0	12.0	752	--
23...	1523	80513	80513	20.0	38.0	30	6.5	5.5	11.6	752	--
23...	1524	80513	80513	30.0	38.0	30	6.5	5.5	9.9	752	--
23...	1525	80513	80513	38.0	38.0	30	6.6	5.5	8.5	752	--
FEB											
27...	0830	80513	80513	.00	72.0	30	7.1	10.5	11.6	771	.60
27...	0832	80513	80513	10.0	72.0	30	7.0	10.5	11.4	771	--
27...	0834	80513	80513	20.0	72.0	30	6.8	10.5	11.2	771	--
27...	0836	80513	80513	30.0	72.0	30	6.8	10.0	11.2	771	--
27...	0838	80513	80513	33.0	72.0	32	6.8	9.0	11.0	771	--
27...	0840	80513	80513	37.0	72.0	32	6.8	8.0	10.8	771	--
27...	0842	80513	80513	40.0	72.0	32	6.8	7.0	10.6	771	--
27...	0844	80513	80513	50.0	72.0	32	6.8	6.0	10.0	771	--
27...	0846	80513	80513	60.0	72.0	32	6.8	6.0	10.0	771	--
27...	0848	80513	80513	70.0	72.0	32	6.7	6.0	9.8	771	--
27...	0850	80513	80513	72.0	72.0	32	6.7	5.5	9.8	771	--
MAR											
20...	0800	80513	80513	.00	55.0	28	6.8	14.0	8.6	760	1.00
20...	0802	80513	80513	10.0	55.0	28	6.7	14.0	8.3	760	--
20...	0804	80513	80513	20.0	55.0	28	6.7	13.5	8.2	760	--
20...	0806	80513	80513	30.0	55.0	28	6.5	13.0	7.4	760	--
20...	0808	80513	80513	40.0	55.0	28	6.4	12.5	7.2	760	--
20...	0810	80513	80513	50.0	55.0	28	6.2	11.5	6.4	760	--
20...	0815	80513	80513	55.0	55.0	28	6.2	10.5	6.3	760	--
APR											
23...	1440	80513	80513	.00	74.0	29	8.4	19.5	9.4	745	.90
23...	1442	80513	80513	10.0	74.0	28	7.9	18.5	8.6	745	--
23...	1444	80513	80513	12.0	74.0	28	6.9	17.5	7.9	745	--
23...	1446	80513	80513	14.0	74.0	29	6.6	16.5	7.4	745	--
23...	1448	80513	80513	16.0	74.0	29	6.5	15.5	7.3	745	--
23...	1450	80513	80513	20.0	74.0	30	6.3	15.5	6.7	745	--
23...	1452	80513	80513	30.0	74.0	30	6.1	15.0	6.3	745	--
23...	1454	80513	80513	40.0	74.0	30	6.1	15.0	6.3	745	--
23...	1456	80513	80513	50.0	74.0	32	6.0	14.5	4.8	745	--
23...	1458	80513	80513	60.0	74.0	33	5.9	14.0	3.6	745	--
23...	1459	80513	80513	70.0	74.0	36	5.9	13.5	2.1	745	--
23...	1500	80513	80513	74.0	74.0	43	5.9	13.0	.1	745	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
MAY										
16...	1030	80513	80513	.00	68.0	29	8.1	23.0	9.2	764
16...	1031	80513	80010	3.00	68.0	29	8.4	23.0	9.2	764
16...	1032	80513	80513	10.0	68.0	29	8.0	22.5	8.7	764
16...	1035	80513	80010	13.0	68.0	31	7.2	22.0	7.0	764
16...	1037	80513	80513	20.0	68.0	31	6.4	21.0	4.2	764
16...	1040	80513	80513	22.0	68.0	31	6.1	20.0	3.7	764
16...	1042	80513	80513	25.0	68.0	29	4.1	19.0	4.1	764
16...	1044	80513	80513	27.0	68.0	29	6.0	18.0	4.3	764
16...	1046	80513	80513	30.0	68.0	29	6.0	17.5	4.4	764
16...	1047	80513	80513	40.0	68.0	31	6.0	17.0	4.0	764
16...	1048	80513	80513	50.0	68.0	31	5.9	16.5	3.2	764
16...	1050	80513	80010	54.0	68.0	32	5.9	16.0	2.8	764
16...	1052	80513	80513	60.0	68.0	35	5.9	15.5	1.2	764
16...	1055	80513	80513	68.0	68.0	63	6.1	14.5	.0	764

07339450 DEQUEEN LAKE NEAR DEQUEEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
MAY									
16...	1030	1.20	1	--	--	--	--	--	--
16...	1035	--	--	15	3.0	--	10	7	3.1
16...	1050	--	--	30	5.3	.8	10	9	3.4

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
MAY									
16...	1031	--	<.10	<.010	<.010	--	--	--	--
16...	1035	3.8	<.01	<.010	<.010	<10	<1	10	1
16...	1050	3.2	.10	<.010	<.010	<10	<1	10	2

DATE	TIME	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)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
16...	1031	--	--	--	--	--	--	14.0	<.100
16...	1035	120	2	20	<.1	2	50	--	--
16...	1050	560	1	240	<.1	5	20	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUN									
18...	0900	80513	80513	.00	55.0	31	7.5	28.0	7.6
18...	0901	80513	80010	3.00	55.0	31	7.5	28.0	7.6
18...	0903	80513	80513	10.0	55.0	31	7.4	28.0	7.4
18...	0905	80513	80513	12.0	55.0	32	6.9	27.0	6.3
18...	0907	80513	80513	15.0	55.0	32	6.6	26.0	4.4
18...	0908	80513	80513	19.0	55.0	34	6.1	25.0	.8
18...	0910	80513	80513	20.0	55.0	36	6.0	24.0	.1
18...	0912	80513	80513	21.0	55.0	36	6.0	23.0	.1
18...	0914	80513	80513	25.0	55.0	36	5.9	22.5	.0
18...	0916	80513	80513	30.0	55.0	36	5.9	21.5	.0
18...	0918	80513	80513	35.0	55.0	36	5.9	20.5	.0
18...	0920	80513	80513	40.0	55.0	36	5.8	19.5	.0
18...	0922	80513	80513	45.0	55.0	38	5.9	18.5	.0
18...	0923	80513	80513	50.0	55.0	42	5.9	18.0	.0
18...	0925	80513	80513	55.0	55.0	46	6.1	17.5	.0

DATE	TIME	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN								
18...	0900	754	1.10	--	--	--	--	--
18...	0901	754	--	<.10	<.010	.010	7.30	<.100

07339450 DEQUEEN LAKE NEAR DEQUEEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL									
23...	0910	80513	80513	.00	58.0	30	7.5	28.5	7.6
23...	0911	80513	80010	3.00	58.0	30	7.6	29.0	7.4
23...	0915	80513	80513	10.0	58.0	30	7.2	28.5	6.7
23...	0918	80513	80513	15.0	58.0	26	5.8	27.5	.7
23...	0920	80513	80513	17.0	58.0	34	5.8	26.5	.3
23...	0922	80513	80513	18.0	58.0	40	5.9	25.5	.2
23...	0924	80513	80513	20.0	58.0	40	5.9	25.0	.2
23...	0926	80513	80513	21.0	58.0	44	6.0	24.0	.2
23...	0928	80513	80513	23.0	58.0	44	6.0	23.0	.2
23...	0930	80513	80513	26.0	58.0	42	6.0	22.0	.2
23...	0932	80513	80513	29.0	58.0	40	6.0	21.0	.2
23...	0934	80513	80513	30.0	58.0	40	6.0	20.5	.2
23...	0936	80513	80513	37.0	58.0	44	6.0	19.5	.2
23...	0938	80513	80513	40.0	58.0	45	6.0	19.0	.2
23...	0940	80513	80513	50.0	58.0	52	6.0	18.0	.2
23...	0942	80513	80513	58.0	58.0	62	6.1	17.5	.2

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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								
23...	0910	753	1.60	--	--	--	--	--
23...	0911	753	--	<.10	<.010	<.010	11.0	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
AUG									
28...	0830	80513	80513	.00	52.0	38	6.8	28.0	7.4
28...	0831	80513	80010	3.00	52.0	38	6.8	28.0	6.9
28...	0833	80513	80513	10.0	52.0	38	6.7	28.0	6.8
28...	0835	80513	80010	11.0	52.0	38	6.7	28.0	6.8
28...	0837	80513	80513	20.0	52.0	39	6.7	28.0	6.3
28...	0838	80513	80513	21.0	52.0	50	6.3	27.0	.3
28...	0840	80513	80513	22.0	52.0	65	6.3	25.5	.2
28...	0842	80513	80513	23.0	52.0	66	6.3	24.5	.1
28...	0844	80513	80513	25.0	52.0	64	6.3	23.5	.1
28...	0845	80513	80513	27.0	52.0	62	6.3	22.5	.1
28...	0846	80513	80513	30.0	52.0	62	6.3	21.5	.1
28...	0857	80513	80513	34.0	52.0	62	6.3	20.5	.1
28...	0858	80513	80513	40.0	52.0	71	6.3	19.5	.1
28...	0900	80513	80010	42.0	52.0	73	6.3	19.5	.1
28...	0902	80513	80513	50.0	52.0	80	6.3	19.0	.1
28...	0905	80513	80513	52.0	52.0	84	6.3	18.5	.1

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
AUG									
28...	0830	761	1.40	K6	--	--	--	--	--
28...	0835	761	--	--	10	2.0	1.5	10	11
28...	0900	761	--	--	50	3.0	1.6	14	22

07339450 DEQUEEN LAKE NEAR DEQUEEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)
AUG									
28...	0831	--	--	--	.010	<.010	.03	--	--
28...	0835	2.8	4.0	<.10	.010	<.010	.03	40	<1
28...	0900	1.8	5.0	<.10	.160	.130	.49	10	3

DATE	TIME	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)	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)
AUG									
28...	0835	10	3	130	<1	80	<.1	6	80
28...	0900	10	2	5500	2	1100	<.1	1	70

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
SEP									
24...	0830	80513	80513	.00	57.0	38	6.5	24.5	5.8
24...	0831	80513	80010	3.00	57.0	38	6.5	24.5	5.8
24...	0833	80513	80513	10.0	57.0	38	6.5	24.5	5.7
24...	0835	80513	80513	20.0	57.0	37	6.5	24.5	5.7
24...	0837	80513	80513	27.0	57.0	50	6.4	23.5	1.0
24...	0840	80513	80513	28.0	57.0	64	6.3	21.5	.2
24...	0842	80513	80513	30.0	57.0	66	6.3	21.0	.2
24...	0844	80513	80513	35.0	57.0	69	6.3	20.0	.2
24...	0846	80513	80513	40.0	57.0	72	6.2	19.5	.2
24...	0848	80513	80513	50.0	57.0	83	6.3	18.5	.1
24...	0850	80513	80513	57.0	57.0	102	6.3	17.5	.1

DATE	TIME	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
SEP									
24...	0830	761	1.80	--	--	--	--	--	--
24...	0831	761	--	<.10	.040	<.010	.12	4.60	<.100

07339452 ROLLING FORK BELOW DEQUEEN LAKE NEAR DEQUEEN, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (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)	COLOR (PLATINUM-COBALT UNITS) (00080)
OCT, 1984											
10...	1330	80513	80513	1040	39	6.4	19.0	8.5	92	758	--
NOV											
20...	1510	80513	80513	1860	31	6.7	15.0	7.8	77	763	--
DEC											
27...	1510	80513	80010	668	27	6.5	10.5	10.6	95	759	25
JAN, 1985											
23...	1500	80513	80513	30	30	6.6	5.5	12.4	99	756	--
FEB											
27...	0800	80513	80513	1900	34	7.2	7.5	13.2	109	771	--
MAR											
20...	0730	80513	80513	30	30	6.5	10.0	8.8	78	760	--
APR											
23...	1420	80513	80513	31	38	6.7	14.0	11.1	110	746	--
MAY											
16...	0945	80513	80010	111	35	6.2	16.5	9.6	98	764	30
JUN											
18...	0800	80513	80513	30	48	6.5	17.5	7.4	78	754	--
JUL											
23...	0840	80513	80513	25	30	6.6	28.5	6.4	83	754	--
AUG											
28...	0800	80513	80010	25	39	6.7	27.0	6.8	85	762	5
SEP											
24...	0800	80513	80513	13	38	6.4	23.0	7.6	89	763	--

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	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)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)
DEC, 1984											
27...	1510	7.0	.3	12	9	4.0	2.0	.20	<.010	<.010	150
MAY, 1985											
16...	0945	5.5	1.2	31	11	3.2	3.9	.10	<.010	.010	<10
AUG											
28...	0800	1.0	1.4	130	11	2.7	4.0	.10	.010	.010	40

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)
DEC, 1984										
27...	1510	<1	<10	1	310	<1	10	<.1	<1	10
MAY, 1985										
16...	0945	1	<10	2	1000	1	520	<.1	4	20
AUG										
28...	0800	<1	<10	2	210	<1	90	<.1	5	50

07339795 BEAR CREEK NEAR HORATIO, ARK.

LOCATION.--Lat 33°59'10", long 94°23'01", in NW 1/4 SE 1/4 sec.14, T.9 N., R.32 W., Sevier County, Hydrologic Unit 11140109, at bridge on county road, 5.5 mi south of DeQueen, Ark., and 4.3 mi northwest of State Highway 41.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984									
09...	1040	9827	9827	6.8	19.0	6.1	22.0	K180	3.1
NOV									
06...	1040	9827	9827	7.1	12.0	8.7	16.0	K120	1.9
DEC									
04...	1015	9827	9827	6.9	8.0	9.8	9.0	--	2.6
JAN, 1985									
15...	1015	9827	9827	6.9	4.0	11.4	5.0	200	2.3
FEB									
12...	1030	9827	9827	7.0	4.0	11.9	5.0	K35	1.5
MAR									
12...	1000	9827	9827	7.0	15.0	8.3	15.0	--	2.6
APR									
09...	1020	9827	9827	6.7	13.0	8.8	16.0	K40	2.7
MAY									
08...	1000	9827	9827	6.9	18.0	7.6	18.0	K60	1.9
JUN									
04...	0920	9827	9827	7.1	24.0	5.5	26.0	K36	2.6
JUL									
09...	0915	9827	9827	--	24.0	4.2	25.0	K8	3.0
AUG									
13...	0930	9827	9827	7.4	26.0	--	27.0	K44	50
SEP									
10...	1015	9827	9827	7.2	23.0	<.1	23.0	>600	32

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984									
09...	1040	35	26	9.0	7.5	91	19	.64	.380
NOV									
06...	1040	9.0	30	--	7.0	71	8	.15	.220
DEC									
04...	1015	130	34	15	7.5	4	58	.34	.510
JAN, 1985									
15...	1015	9.0	28	10	--	75	8	.41	.760
FEB									
12...	1030	10	24	11	6.0	64	7	.21	.410
MAR									
12...	1000	20	26	9.0	8.0	65	14	.17	.050
APR									
09...	1020	20	22	9.0	3.5	58	11	.49	.250
MAY									
08...	1000	20	22	9.0	4.0	57	11	.29	.360
JUN									
04...	0920	15	34	7.0	8.0	80	--	1.3	.160
JUL									
09...	0915	20	40	15	--	116	18	3.2	.010
AUG									
13...	0930	9.0	80	13	48	293	24	.01	4.90
SEP									
10...	1015	15	66	18	--	269	13	.02	.020

07339795 BEAR CREEK NEAR HORATIO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1984								
09...	1040	--	.490	<1	13	18	8	70
NOV								
06...	1040	.140	.100	1	3	30	9	160
DEC								
04...	1015	.210	.140	<1	<1	<10	6	--
JAN, 1985								
15...	1015	--	--	1	5	<10	5	20
FEB								
12...	1030	.090	.070	<1	2	<10	3	10
MAR								
12...	1000	.090	.040	<1	27	17	7	20
APR								
09...	1020	.150	.090	<1	2	<15	--	<10
MAY								
08...	1000	.130	.070	<1	2	<15	2	20
JUN								
04...	0920	.390	.280	<1	<1	<15	2	20
JUL								
09...	0915	1.30	.880	<1	4	<15	7	10
AUG								
13...	0930	6.00	4.00	--	48	<15	1	<10
SEP								
10...	1015	7.40	6.20	<1	48	24	--	--

07340000 LITTLE RIVER NEAR HORATIO, ARK.

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 above 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.--No estimated daily discharges. Water-discharge 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. Satellite telemeter at station.

AVERAGE DISCHARGE.--55 years, 3,798 ft^3/s, 2,752,000 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, 27,500 ft^3/s Oct. 26, gage height, 27.78 ft; minimum daily, 238 ft^3/s Sept. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	984	14500	14700	11100	7200	12500	15600	9670	2610	400	657	355
2	793	17700	15200	12500	6850	13600	8520	14700	1310	411	462	276
3	764	17700	15100	11800	3290	13600	10200	15400	1020	453	525	272
4	1180	16200	14400	12000	2810	13500	12400	12800	2720	588	511	272
5	1070	14200	13800	11200	5030	14200	13600	12300	2260	570	479	553
6	1690	13300	13700	8610	4110	14400	12300	12600	3410	646	538	1080
7	3450	14200	12400	8330	4330	14400	6680	13000	7560	584	514	1990
8	5310	15600	10900	7060	4240	14800	5510	12400	6480	455	589	903
9	4120	16200	8650	6580	4540	12000	5450	9710	4680	577	536	356
10	2710	16300	7430	5120	4060	5690	4350	6320	3790	471	616	518
11	4360	16300	6870	4470	4080	4490	3400	3450	4090	491	472	332
12	5170	16100	6450	3730	5300	4530	1960	1660	4890	631	397	425
13	6030	16000	5520	2400	7260	5110	1700	1130	4680	711	447	331
14	5540	15800	7640	1970	7460	8720	1230	2030	3610	459	422	391
15	9860	15700	9890	2360	7200	12700	1170	2730	1570	353	533	356
16	11500	15500	9730	2310	5550	10200	1260	2830	793	334	394	315
17	12100	15300	9080	2390	3060	7200	1060	2220	658	334	409	314
18	13300	15300	14700	2460	2520	6560	1200	1910	2360	378	353	328
19	13700	15200	20500	2860	3080	4720	1040	1240	1460	352	295	684
20	12900	16100	17200	2260	2790	5250	1100	1040	976	406	312	638
21	16200	16900	10900	2130	2950	13600	1060	2070	1320	389	313	625
22	15300	17000	14000	2750	3960	17500	2110	4200	1530	387	425	340
23	12100	16600	16400	2350	6070	14100	14700	5510	1060	512	364	253
24	11600	16100	16900	1750	21100	9480	16000	5040	727	465	358	277
25	21800	15700	16400	1570	18500	5650	12500	3130	1150	581	344	263
26	26100	15600	16000	1680	15500	9890	13600	1590	797	754	277	243
27	20900	17000	15800	1420	13700	13200	16400	1100	748	737	306	238
28	15700	17600	14800	1970	11800	14700	19300	1680	587	542	305	274
29	12400	16800	12600	3040	---	12000	16200	2060	586	436	356	280
30	9630	15400	7960	5010	---	12200	9680	2520	470	515	321	261
31	11900	---	8240	6880	---	20800	---	3060	---	453	399	---
TOTAL	290161	477900	383860	152060	188340	341290	231280	171100	69902	15375	13229	13743
MEAN	9360	15930	12380	4905	6726	11010	7709	5519	2330	496	427	458
MAX	26100	17700	20500	12500	21100	20800	19300	15400	7560	754	657	1990
MIN	764	13300	5520	1420	2520	4490	1040	1040	470	334	277	238
AC-FT	575500	947900	761400	301600	373600	676900	458700	339400	138700	30500	26240	27260

CAL YR 1984 TOTAL 2181559 MEAN 5961 MAX 26100 MIN 309 AC-FT 4327000
WTR YR 1985 TOTAL 2348240 MEAN 6434 MAX 26100 MIN 238 AC-FT 4658000

07340000 LITTLE RIVER NEAR HORATIO, ARK.--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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
09...	1100	9827	9827	4340	6.3	19.0	7.3	22.0	320
NOV									
06...	1120	9827	9827	13300	6.9	12.0	8.8	16.0	K72
DEC									
04...	1046	9827	9827	14400	6.8	10.0	9.9	9.0	--
JAN, 1985									
15...	1050	9827	9827	2480	6.8	6.0	9.7	5.0	K28
FEB									
12...	1045	9827	9827	5490	6.8	5.0	12.2	6.0	K40
MAR									
12...	1030	9827	9827	4650	6.7	11.0	10.3	15.0	--
APR									
09...	1040	9827	9827	5610	6.7	15.0	9.2	17.0	K16
MAY									
08...	1030	9827	9827	13100	6.7	18.0	8.5	18.0	K8
JUN									
04...	0945	9827	9827	3550	6.8	23.0	8.4	26.0	110
JUL									
09...	0850	9827	9827	402	--	28.0	7.7	25.0	K24
AUG									
13...	1000	9827	9827	391	7.1	30.0	--	27.0	K20
SEP									
10...	1050	9827	9827	649	7.1	24.0	7.6	23.0	K52

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
09...	1100	1.6	70	20	6.0	5.5	70	63	.22
NOV									
06...	1120	1.0	20	16	--	4.0	55	20	.10
DEC									
04...	1046	1.6	20	16	9.0	5.0	7	43	.12
JAN, 1985									
15...	1050	1.1	15	26	8.0	--	63	8	.21
FEB									
12...	1045	1.1	15	20	8.0	5.5	47	12	.14
MAR									
12...	1030	1.9	15	14	7.0	6.0	51	10	.21
APR									
09...	1040	.8	25	14	6.0	4.0	50	16	.16
MAY									
08...	1030	1.0	20	14	8.0	2.5	43	14	.15
JUN									
04...	0945	1.2	15	16	17	3.5	47	22	.14
JUL									
09...	0850	.7	6.0	24	8.0	--	86	4	.28
AUG									
13...	1000	1.1	5.0	26	8.0	18	66	6	.16
SEP									
10...	1050	.9	4.0	28	6.0	10	26	4	.07

07340000 LITTLE RIVER NEAR HORATIO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
09...	1100	.060	--	.060	<1	4	19	12	80
NOV									
06...	1120	.050	.040	.020	1	2	22	12	120
DEC									
04...	1046	.090	.050	.010	1	<1	25	10	--
JAN, 1985									
15...	1050	.070	--	--	1	2	5	3	20
FEB									
12...	1045	.050	.030	.020	<1	<1	<10	22	20
MAR									
12...	1030	.050	.250	.030	<1	<1	<15	8	30
APR									
09...	1040	.080	.080	.040	1	<1	4	--	40
MAY									
08...	1030	.060	.060	.030	<1	<1	<15	25	20
JUN									
04...	0945	.020	.030	.030	1	<1	19	8	20
JUL									
09...	0850	<.010	.040	.030	<1	1	23	15	70
AUG									
13...	1000	.040	.070	.060	--	4	<15	8	60
SEP									
10...	1050	.040	.040	.030	<1	<1	<15	--	--

07340300 COSSATOT RIVER NEAR VANDERVOORT, ARK.
(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.

REVISED RECORDS.--WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 771.88 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--18 years, 199 ft^3/s, 30.16 in/yr, 144,200 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 FOR CURRENT YEAR.--Peak discharges greater than base discharge 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)
Oct. 18	2315	6,160	10.20	Feb. 23	1500	7,230	10.83
Oct. 20	1500	7,980	11.24	Mar. 30	1000	20,400	16.22
Oct. 25	0200	*21,200	*16.47	Apr. 22	2015	6,970	10.68
Dec. 17	2315	6,470	10.39				

Minimum discharge, 8.3 ft^3/s Sept. 2, gage height 1.74 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	1220	204	877	151	188	613	235	52	29	20	11
2	50	1000	167	483	143	161	365	180	44	29	18	10
3	40	481	138	327	136	143	264	143	39	33	17	11
4	35	318	117	249	131	154	209	117	36	33	17	13
5	124	221	137	200	123	150	185	102	35	27	21	15
6	651	169	148	168	121	143	151	90	161	25	22	14
7	915	139	138	147	123	137	127	82	113	23	20	14
8	365	121	140	128	140	129	111	77	70	22	21	14
9	211	126	140	119	156	118	101	68	51	21	20	15
10	185	178	135	140	304	108	95	63	43	24	17	18
11	169	140	125	127	383	106	105	61	60	31	15	26
12	288	119	120	120	291	109	95	61	42	25	16	23
13	451	104	147	119	230	106	90	62	33	21	15	52
14	806	91	560	119	187	1510	110	71	29	20	15	39
15	1210	95	579	110	162	635	104	55	27	19	14	23
16	1020	91	495	110	143	369	96	49	26	54	14	18
17	930	82	1010	107	126	257	87	43	24	62	14	16
18	1030	870	2550	98	111	196	80	41	110	35	21	15
19	1850	667	1180	93	123	164	75	40	91	26	16	14
20	3220	371	853	83	124	1040	72	40	57	23	14	14
21	1560	257	1200	88	133	1450	70	52	44	22	14	14
22	614	199	899	85	587	896	1970	99	314	42	14	13
23	430	167	491	77	4380	502	1760	64	267	28	13	13
24	1530	145	339	77	1390	351	585	50	130	25	13	12
25	6620	138	235	75	587	267	329	43	86	22	12	14
26	1220	397	186	70	366	212	574	39	64	38	11	20
27	579	1620	164	134	258	213	1620	90	51	33	11	16
28	679	659	157	267	202	195	956	110	41	25	11	14
29	469	398	141	224	---	179	464	120	34	24	12	17
30	316	276	273	196	---	6190	313	85	31	21	11	27
31	233	---	561	172	---	1620	---	65	---	21	11	---
TOTAL	27863	10859	13729	5389	11311	17998	11776	2497	2205	883	480	535
MEAN	899	362	443	174	404	581	393	80.5	73.5	28.5	15.5	17.8
MAX	6620	1620	2550	877	4380	6190	1970	235	314	62	22	52
MIN	35	82	117	70	111	106	70	39	24	19	11	10
CFSM	10.0	4.04	4.94	1.94	4.51	6.48	4.39	.90	.82	.32	.17	.20
IN.	11.57	4.51	5.70	2.24	4.70	7.47	4.89	1.04	.92	.37	.20	.22
AC-FT	55270	21540	27230	10690	22440	35700	23360	4950	4370	1750	952	1060

CAL YR 1984	TOTAL	100726.2	MEAN	275	MAX	6620	MIN	9.5	CFSM	3.07	IN.	41.82	AC-FT	199800
WTR YR 1985	TOTAL	105525	MEAN	289	MAX	6620	MIN	10	CFSM	3.23	IN.	43.81	AC-FT	209300

07340400 COSSATOT RIVER NEAR UMPIRE, ARK.

LOCATION.--Lat 34°18'00", long 94°11'00", in SE 1/4 SW 1/4 sec.23, T.5 S., R.30 W., Howard County, Hydrologic Unit 11140109, at bridge on State Highway 4, 8.5 mi west of Umpire, Ark., and 2.5 mi south of Baker Springs, Ark.

DRAINAGE AREA.--385 mi^2.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)
OCT, 1984										
09...	0840	9827	9827	6.9	17.0	9.4	15.0	K40	.9	6.5
NOV										
06...	0840	9827	9827	7.0	11.0	10.3	9.0	<10	.4	5.0
DEC										
04...	0830	9827	9827	6.9	6.0	11.6	5.0	--	1.2	4.0
JAN, 1985										
15...	0830	9827	9827	7.0	2.0	12.9	2.0	<4	.5	3.5
FEB										
12...	0830	9827	9827	6.7	2.0	12.9	.0	<10	1.0	5.0
MAR										
12...	0822	9827	9827	7.0	14.0	10.2	14.0	--	1.7	6.0
APR										
09...	0830	9827	9827	6.9	12.0	10.2	11.0	K4	.7	3.6
MAY										
08...	0835	9827	9827	7.1	18.0	8.6	16.0	K12	1.0	3.0
JUN										
04...	0830	9827	9827	7.0	25.0	7.1	24.0	K8	.9	2.0
JUL										
09...	0945	9827	9827	--	28.0	7.1	26.0	K8	.5	1.0
AUG										
13...	0830	9827	9827	7.4	29.0	--	25.0	K35	1.6	2.0
SEP										
10...	0900	9827	9827	7.5	23.0	7.1	22.0	K16	.5	2.0

DATE	TIME	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, 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)
OCT, 1984									
09...	0840	16	4.0	2.5	36	4	.03	.050	--
NOV									
06...	0840	12	--	2.5	42	9	.01	<.010	.020
DEC									
04...	0830	18	10	3.0	2	31	.06	.010	.020
JAN, 1985									
15...	0830	20	8.0	--	36	2	.02	<.010	--
FEB									
12...	0830	14	7.0	3.5	30	3	.04	<.010	.010
MAR									
12...	0822	14	8.0	5.0	35	6	.03	.020	.020
APR									
09...	0830	14	6.0	2.0	28	2	.02	<.010	.010
MAY									
08...	0835	16	7.0	2.5	30	3	.06	.010	.020
JUN									
04...	0830	20	6.0	2.5	35	3	.02	.010	<.010
JUL									
09...	0945	22	8.0	--	42	2	.06	<.010	<.010
AUG									
13...	0830	28	9.0	4.0	49	2	.01	<.010	.030
SEP									
10...	0900	34	8.0	2.5	25	4	.04	<.010	.020

07340400 COSSATOT RIVER NEAR UMPIRE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1984									
09...	0840	.010	--	<1	<1	10	13	--	50
NOV									
06...	0840	.010	<5	1	1	30	8	<5	200
DEC									
04...	0830	<.010	--	1	<1	<10	17	--	--
JAN, 1985									
15...	0830	--	<5	<1	2	5	180	<5	<10
FEB									
12...	0830	.010	--	<1	5	<10	5	--	10
MAR									
12...	0822	<.010	--	<1	1	<1	2	--	20
APR									
09...	0830	.020	2	4	<1	<15	--	<1	20
MAY									
08...	0835	.010	--	<1	<1	<15	7	--	20
JUN									
04...	0830	.010	--	1	<1	8	7	--	20
JUL									
09...	0945	.010	1	1	1	<15	10	--	<10
AUG									
13...	0830	.040	--	--	<1	<15	3	--	10
SEP									
10...	0900	<.010	--	<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)
NOV, 1984									
06...	0840	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
MAR, 1985									
12...	0822	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
MAY									
08...	0835	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
AUG									
13...	0830	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07340450 GILLHAM LAKE NEAR GILLHAM, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT, 1984											
10...	1240	80513	80513	.00	47.0	34	7.4	22.0	8.7	758	2.40
10...	1245	80513	80513	10.0	47.0	34	7.4	21.0	8.6	758	--
10...	1250	80513	80513	20.0	47.0	34	7.0	20.0	3.7	758	--
10...	1255	80513	80513	30.0	47.0	32	6.8	19.0	4.3	758	--
10...	1300	80513	80513	40.0	47.0	32	6.7	18.0	4.6	758	--
10...	1305	80513	80513	47.0	47.0	32	6.7	18.0	5.3	758	--
NOV											
20...	1430	80513	80513	.00	75.0	27	6.6	15.0	6.1	761	1.10
20...	1432	80513	80513	10.0	75.0	27	6.6	15.0	5.0	761	--
20...	1434	80513	80513	20.0	75.0	27	6.5	15.0	4.9	761	--
20...	1436	80513	80513	30.0	75.0	28	6.6	15.0	4.9	761	--
20...	1438	80513	80513	40.0	75.0	28	6.7	15.0	4.9	761	--
20...	1440	80513	80513	50.0	75.0	28	6.7	15.0	4.9	761	--
20...	1442	80513	80513	60.0	75.0	29	6.7	14.5	4.3	761	--
20...	1444	80513	80513	70.0	75.0	30	6.6	14.0	3.1	761	--
20...	1445	80513	80513	75.0	75.0	31	6.6	14.0	3.1	761	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC										
27...	1130	80513	80513	.00	30.0	22	6.4	11.0	9.0	759
27...	1131	80513	80010	3.00	30.0	22	6.4	11.0	9.0	759
27...	1135	80513	80010	6.00	30.0	22	6.3	11.0	9.0	759
27...	1136	80513	80513	10.0	30.0	22	6.3	11.0	9.0	759
27...	1138	80513	80513	20.0	30.0	22	6.2	11.0	9.0	759
27...	1140	80513	80010	24.0	24.0	22	6.2	11.0	8.9	759
27...	1145	80513	80513	30.0	30.0	22	6.2	11.0	8.8	759

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
DEC									
27...	1130	.60	22	--	--	--	--	--	--
27...	1135	--	--	20	15	.8	8	8	3.6
27...	1140	--	--	25	10	.4	8	8	3.4

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
DEC									
27...	1135	1.8	.10	<.010	<.010	230	<1	10	1
27...	1140	1.5	.10	<.010	<.010	380	<1	10	1

07340450 GILLHAM LAKE NEAR GILLHAM, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC									
27...	1131	--	--	--	--	--	--	1.00	<.100
27...	1135	410	<1	10	.2	<1	20	--	--
27...	1140	480	<1	10	.2	<1	30	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JAN, 1985											
23...	1320	80513	80513	.00	70.0	26	6.8	5.5	11.6	752	.80
23...	1322	80513	80513	10.0	70.0	26	6.6	5.5	12.0	752	--
23...	1324	80513	80513	20.0	70.0	26	6.6	5.5	10.3	752	--
23...	1326	80513	80513	30.0	70.0	26	6.6	5.0	9.0	752	--
23...	1328	80513	80513	40.0	70.0	26	6.5	5.0	8.5	752	--
23...	1330	80513	80513	50.0	70.0	26	6.5	5.0	7.8	752	--
23...	1333	80513	80513	60.0	70.0	26	6.5	5.0	7.0	752	--
23...	1335	80513	80513	70.0	70.0	27	6.5	5.0	6.4	752	--
FEB											
27...	1030	80513	80513	.00	85.0	28	6.7	11.0	11.8	771	.60
27...	1032	80513	80513	10.0	85.0	28	6.6	11.0	11.8	771	--
27...	1034	80513	80513	20.0	85.0	28	6.5	10.5	11.0	771	--
27...	1036	80513	80513	30.0	85.0	28	6.5	10.5	8.7	771	--
27...	1038	80513	80513	40.0	85.0	30	6.5	9.5	8.5	771	--
27...	1040	80513	80513	42.0	85.0	30	6.6	8.5	8.0	771	--
27...	1042	80513	80513	45.0	85.0	30	6.6	7.5	8.7	771	--
27...	1044	80513	80513	50.0	85.0	32	6.6	7.0	8.6	771	--
27...	1046	80513	80513	60.0	85.0	32	6.6	6.0	8.6	771	--
27...	1048	80513	80513	70.0	85.0	32	6.6	6.0	8.6	771	--
27...	1049	80513	80513	80.0	85.0	32	6.6	6.0	8.6	771	--
27...	1050	80513	80513	85.0	85.0	32	6.5	6.0	8.2	771	--
MAR											
20...	0930	80513	80513	.00	41.0	30	6.6	14.0	8.4	760	1.20
20...	0932	80513	80513	10.0	41.0	30	6.6	14.0	8.2	760	--
20...	0934	80513	80513	20.0	41.0	30	6.5	13.5	7.5	760	--
20...	0936	80513	80513	30.0	41.0	32	6.3	12.5	7.5	760	--
20...	0938	80513	80513	40.0	41.0	32	6.3	12.0	7.5	760	--
20...	0940	80513	80513	41.0	41.0	32	6.2	12.0	7.4	760	--
APR											
24...	0800	80513	80513	.00	46.0	25	6.4	18.5	8.0	748	1.20
24...	0802	80513	80513	10.0	46.0	24	6.4	18.5	7.9	748	--
24...	0804	80513	80513	15.0	46.0	26	6.3	17.5	6.4	748	--
24...	0806	80513	80513	17.0	46.0	26	6.2	16.5	6.3	748	--
24...	0808	80513	80513	20.0	46.0	25	6.2	16.0	6.8	748	--
24...	0810	80513	80513	30.0	46.0	23	6.1	15.0	6.9	748	--
24...	0812	80513	80513	40.0	46.0	23	6.1	14.5	7.0	748	--
24...	0815	80513	80513	46.0	46.0	23	6.0	14.5	7.0	748	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
MAY										
15...	1500	80513	80513	.00	54.0	29	7.2	24.0	8.2	764
15...	1502	80513	80513	2.00	54.0	29	7.3	23.0	8.5	764
15...	1505	80513	80010	3.00	54.0	29	7.3	22.5	7.7	764
15...	1507	80513	80513	10.0	54.0	29	7.1	22.0	7.7	764
15...	1510	80513	80010	11.0	54.0	29	6.8	21.5	7.7	764
15...	1512	80513	80513	15.0	54.0	29	6.3	20.5	6.1	764
15...	1514	80513	80513	17.0	54.0	29	6.1	19.5	5.6	764
15...	1515	80513	80513	20.0	54.0	29	6.0	19.0	5.0	764
15...	1516	80513	80513	25.0	54.0	29	5.9	18.5	5.3	764
15...	1518	80513	80513	27.0	54.0	29	5.9	17.5	5.4	764
15...	1520	80513	80513	30.0	54.0	29	5.9	17.0	5.2	764
15...	1523	80513	80513	40.0	54.0	29	5.9	16.0	5.2	764
15...	1525	80513	80010	42.0	54.0	29	5.8	15.5	5.2	764
15...	1527	80513	80513	50.0	54.0	31	5.7	15.0	4.5	764
15...	1530	80513	80513	54.0	54.0	31	5.7	15.0	4.3	764

07340450 GILLHAM LAKE NEAR GILLHAM, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	TRANS-PARENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
MAY									
15...	1500	1.40	1	--	--	--	--	--	--
15...	1510	--	--	10	5.0	.9	8	9	2.9
15...	1525	--	--	20	8.3	.1	9	9	2.9

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
MAY									
15...	1505	--	<.10	<.010	<.010	--	--	--	--
15...	1510	3.1	<.10	<.010	<.010	<10	<1	10	2
15...	1525	3.2	.10	<.010	<.010	<10	<1	10	2

DATE	TIME	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)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
15...	1505	--	--	--	--	--	--	3.00	<.100
15...	1510	260	4	40	.1	2	10	--	--
15...	1525	370	3	80	.1	4	10	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUN									
18...	1045	80513	80513	.00	45.0	30	7.2	27.5	7.8
18...	1046	80513	80010	3.00	45.0	30	7.4	27.5	7.6
18...	1048	80513	80513	10.0	45.0	30	7.3	27.5	7.5
18...	1050	80513	80513	13.0	45.0	30	7.0	26.5	7.3
18...	1052	80513	80513	16.0	45.0	32	6.6	25.5	5.6
18...	1053	80513	80513	17.0	45.0	32	6.2	24.5	3.8
18...	1055	80513	80513	19.0	45.0	31	6.0	23.5	2.2
18...	1056	80513	80513	20.0	45.0	31	5.9	23.0	1.9
18...	1058	80513	80513	22.0	45.0	30	5.8	22.0	.8
18...	1100	80513	80513	24.0	45.0	30	5.8	21.0	.5
18...	1102	80513	80513	29.0	45.0	30	5.8	20.0	.8
18...	1104	80513	80513	30.0	45.0	30	5.8	19.5	.9
18...	1106	80513	80513	36.0	45.0	30	5.7	18.5	1.5
18...	1108	80513	80513	40.0	45.0	30	5.7	18.0	1.5
18...	1110	80513	80513	45.0	45.0	30	5.8	17.5	1.4

07340450 GILLHAM LAKE NEAR GILLHAM, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
JUN								
18...	1045	753	1.30	--	--	--	--	--
18...	1046	753	--	<.10	<.010	<.010	2.60	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL									
23...	1100	80513	80513	.00	40.0	32	7.6	29.0	7.6
23...	1101	80513	80010	3.00	40.0	32	7.7	28.5	7.6
23...	1103	80513	80513	10.0	40.0	32	7.6	28.5	7.6
23...	1105	80513	80513	16.0	40.0	32	6.7	27.5	2.7
23...	1107	80513	80513	19.0	40.0	32	5.8	26.5	.6
23...	1108	80513	80513	20.0	40.0	32	5.7	25.5	.3
23...	1110	80513	80513	23.0	40.0	36	5.7	24.5	.2
23...	1112	80513	80513	25.0	40.0	36	5.7	24.0	.2
23...	1114	80513	80513	26.0	40.0	36	5.7	23.0	.2
23...	1116	80513	80513	30.0	40.0	36	5.7	22.0	.2
23...	1118	80513	80513	35.0	40.0	38	5.7	21.0	.1
23...	1120	80513	80513	38.0	40.0	38	5.7	20.0	.2
23...	1125	80513	80513	40.0	40.0	38	5.7	19.5	.2

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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								
23...	1100	751	2.10	--	--	--	--	--
23...	1101	751	--	<.10	<.010	.010	6.60	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	METRIC PRESSURE (MM OF HG) (00025)
AUG										
27...	1230	80513	80513	.00	60.0	40	7.1	29.0	7.2	760
27...	1231	80513	80010	3.00	60.0	41	7.1	29.0	7.0	760
27...	1233	80513	80513	10.0	60.0	41	7.1	28.5	6.9	760
27...	1235	80513	80010	12.0	60.0	41	7.0	28.5	1.3	760
27...	1237	80513	80513	20.0	60.0	44	6.5	27.5	1.3	760
27...	1238	80513	80513	22.0	60.0	50	6.2	27.0	.2	760
27...	1240	80513	80513	23.0	60.0	51	6.2	25.5	.2	760
27...	1242	80513	80513	24.0	60.0	50	6.2	24.0	.1	760
27...	1244	80513	80513	26.0	60.0	54	6.2	23.5	.1	760
27...	1246	80513	80513	29.0	60.0	53	6.3	22.5	.1	760
27...	1248	80513	80513	30.0	60.0	54	6.3	22.0	.1	760
27...	1250	80513	80513	35.0	60.0	54	6.3	21.0	.1	760
27...	1252	80513	80513	40.0	60.0	58	6.3	20.0	.1	760
27...	1253	80513	80513	45.0	60.0	69	6.4	19.0	.1	760
27...	1255	80513	80010	48.0	60.0	74	6.4	18.5	.1	760
27...	1256	80513	80513	50.0	60.0	74	6.5	18.5	.1	760
27...	1257	80513	80513	53.0	60.0	83	6.5	17.5	.1	760
27...	1258	80513	80513	57.0	60.0	97	6.5	16.5	.1	760
27...	1300	80513	80513	60.0	60.0	152	6.6	15.5	.1	760

07340450 GILLHAM LAKE NEAR GILLHAM, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
AUG									
27...	1230	1.80	0	--	--	--	--	--	--
27...	1235	--	--	10	1.0	11	13	2.7	3.8
27...	1255	--	--	15	3.0	14	24	2.2	.90

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
AUG									
27...	1235	<.10	.020	<.010	.06	30	<1	<10	1
27...	1255	<.10	.080	.050	.25	40	4	10	2

DATE	TIME	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)
AUG									
27...	1231	--	--	--	--	--	--	5.30	<.100
27...	1235	110	5	40	<.1	3	30	--	--
27...	1255	5200	6	1200	<.1	3	20	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP									
24...	1030	80513	80513	.00	60.0	39	6.6	24.5	7.0
24...	1031	80513	80010	3.00	60.0	39	6.6	24.5	7.0
24...	1033	80513	80513	10.0	60.0	38	6.6	24.5	6.8
24...	1035	80513	80513	20.0	60.0	38	6.7	24.5	6.8
24...	1037	80513	80513	26.0	60.0	45	6.4	24.0	3.2
24...	1038	80513	80513	27.0	60.0	51	6.3	23.5	.4
24...	1040	80513	80513	28.0	60.0	60	6.2	22.5	.2
24...	1041	80513	80513	30.0	60.0	59	6.3	22.0	.2
24...	1043	80513	80513	35.0	60.0	58	6.2	21.0	.1
24...	1045	80513	80513	38.0	60.0	60	6.2	20.0	.2
24...	1046	80513	80513	40.0	60.0	64	6.2	19.5	.1
24...	1048	80513	80513	45.0	60.0	72	6.2	18.5	.1
24...	1050	80513	80513	50.0	60.0	75	6.3	18.0	.1
24...	1053	80513	80513	55.0	60.0	95	6.4	16.5	.1
24...	1055	80513	80513	60.0	60.0	117	6.4	16.0	.1

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP									
24...	1030	759	1.50	--	--	--	--	--	--
24...	1031	759	--	.10	.050	.020	.15	11.0	<.100

07340452 COSSATOT RIVER BELOW GILLHAM DAM NEAR GILLHAM, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (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)	COLOR (PLATINUM-COBALT UNITS) (00080)
OCT, 1984											
10...	1220	80513	80513	1480	34	7.0	18.5	9.0	97	758	--
NOV											
20...	1410	80513	80513	2800	28	6.6	14.5	9.4	92	761	--
DEC											
27...	1110	80513	80010	1030	22	6.6	10.5	11.3	101	761	20
JAN, 1985											
23...	1300	80513	80513	296	27	6.8	5.5	12.6	101	755	--
FEB											
27...	1000	80513	80513	2200	30	6.7	9.0	13.2	113	771	--
MAR											
20...	0900	80513	80513	466	34	6.5	12.5	10.4	98	760	--
APR											
24...	0730	80513	80513	24	29	6.2	13.0	9.8	94	751	--
MAY											
15...	1430	80513	80010	44	31	6.5	17.0	9.6	99	764	55
JUN											
18...	1010	80513	80513	45	36	6.5	17.5	8.4	89	754	--
JUL											
23...	1030	80513	80513	54	32	6.6	28.5	7.2	94	753	--
AUG											
27...	1200	80513	80010	19	43	6.9	29.0	7.6	99	762	10
SEP											
24...	1000	80513	80513	40	39	6.7	23.0	8.2	96	762	--

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	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)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)
DEC, 1984											
27...	1110	10	.6	23	8	3.5	1.9	.10	<.010	<.010	280
MAY, 1985											
15...	1430	9.7	.5	1	9	3.1	3.2	.20	.020	.020	<10
AUG											
27...	1200	2.0	1.6	63	13	3.5	2.1	<.10	.030	<.010	100

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)
DEC, 1984										
27...	1110	<1	<10	1	480	<1	40	.2	<1	<10
MAY, 1985										
15...	1430	<1	10	1	1000	1	420	<.1	3	<10
AUG										
27...	1200	<1	10	1	480	7	280	<.1	2	30

07340945 SALINE RIVER NEAR BURG, ARK.

LOCATION.--Lat 34°12'39", long 94°03'02", in NW 1/4 SE 1/4 sec.25, T.6 S., R.29 W., Howard County, Hydrologic Unit 11140109, 2.6 mi southeast of Burg, Ark., 8.0 mi north of Dierks, Ark., and 4.0 mi upstream from entry to Dierks Lake.

DRAINAGE AREA.--47.4 mi^2.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)
OCT, 1984										
09...	0800	9827	9827	6.8	17.0	8.7	15.0	110	.9	30
NOV										
06...	0800	9827	9827	7.0	10.0	10.0	4.0	K40	1.2	7.2
DEC										
04...	0800	9827	9827	6.3	6.0	11.3	5.0	--	1.5	6.0
JAN, 1985										
15...	0800	9827	9827	6.8	2.0	12.7	2.0	K24	.8	7.5
FEB										
12...	0800	9827	9827	6.7	3.0	12.7	.0	<10	1.0	9.5
MAR										
12...	0800	9827	9827	6.9	13.0	9.7	12.0	--	1.7	6.0
APR										
09...	0800	9827	9827	6.9	11.0	10.2	10.0	K24	.8	6.8
MAY										
08...	0810	9827	9827	7.0	18.0	8.8	16.0	K8	--	8.0
JUN										
04...	0800	9827	9827	6.8	24.0	7.2	22.0	K12	1.4	6.0
JUL										
09...	1015	9827	9827	--	21.0	6.6	28.0	K36	.8	5.0
AUG										
13...	0800	9827	9827	7.2	28.0	--	25.0	K60	1.1	20
SEP										
10...	0830	9827	9827	6.8	23.0	5.1	22.0	150	1.9	9.0

DATE	TIME	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, 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)
OCT, 1984									
09...	0800	20	3.0	2.5	52	9	.47	.060	--
NOV									
06...	0800	16	--	2.5	56	6	.54	.020	.040
DEC									
04...	0800	16	8.0	3.5	2	42	.48	.020	.020
JAN, 1985									
15...	0800	14	6.0	--	46	8	.54	.010	--
FEB									
12...	0800	18	7.0	2.5	51	10	.50	<.010	.020
MAR									
12...	0800	14	7.0	5.5	44	4	.41	.040	.010
APR									
09...	0800	16	6.0	2.0	39	6	.43	.010	.020
MAY									
08...	0810	12	7.0	3.0	41	20	.35	.030	.030
JUN									
04...	0800	20	4.0	2.0	35	7	.10	.050	.020
JUL									
09...	1015	16	4.0	--	32	5	.06	.040	<.010
AUG									
13...	0800	16	8.0	3.5	47	10	.03	.030	.060
SEP									
10...	0830	18	5.0	2.5	17	10	.03	.020	.050

RED RIVER BASIN

07340945 SALINE RIVER NEAR BURG, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1984									
09...	0800	.030	--	<1	<1	<10	17	--	60
NOV									
06...	0800	.020	<5	1	<1	46	25	<5	790
DEC									
04...	0800	<.010	--	1	<1	<10	16	--	--
JAN, 1985									
15...	0800	--	<5	<1	1	6	340	<5	<10
FEB									
12...	0800	.020	--	<1	1	<10	29	--	20
MAR									
12...	0800	.020	--	<1	<1	<15	40	--	10
APR									
09...	0800	.020	<1	1	<1	<15	--	<1	<10
MAY									
08...	0810	.010	--	<1	1	<15	41	--	20
JUN									
04...	0800	.020	--	<1	<1	<15	2	--	10
JUL									
09...	1015	<.010	<1	1	3	<15	28	--	<10
AUG									
13...	0800	.050	--	--	<1	<15	7	--	20
SEP									
10...	0830	.030	--	<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)
NOV, 1984									
06...	0800	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
MAR, 1985									
12...	0800	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
MAY									
08...	0810	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
AUG									
13...	0800	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07340990 DIERKS LAKE NEAR DIERKS, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT, 1984											
10...	1110	80513	80513	.00	79.0	36	7.4	21.5	8.5	758	2.30
10...	1112	80513	80513	10.0	79.0	36	7.3	20.5	7.2	758	--
10...	1114	80513	80513	20.0	79.0	36	7.2	19.5	5.6	758	--
10...	1116	80513	80513	30.0	79.0	64	6.8	18.5	.1	758	--
10...	1118	80513	80513	32.0	79.0	64	6.8	17.5	.1	758	--
10...	1120	80513	80513	35.0	79.0	52	6.8	16.5	.0	758	--
10...	1122	80513	80513	40.0	79.0	57	6.8	16.0	.0	758	--
10...	1124	80513	80513	50.0	79.0	67	6.8	15.0	.0	758	--
10...	1126	80513	80513	60.0	79.0	78	6.8	15.0	.0	758	--
10...	1128	80513	80513	70.0	79.0	82	6.9	14.5	.0	758	--
10...	1130	80513	80513	79.0	79.0	102	6.7	14.5	.0	758	--
NOV											
20...	1300	80513	80513	.00	67.0	36	7.2	15.0	8.5	761	1.30
20...	1302	80513	80513	10.0	67.0	36	7.2	15.0	8.7	761	--
20...	1304	80513	80513	20.0	67.0	36	7.2	15.0	5.7	761	--
20...	1306	80513	80513	30.0	67.0	36	7.1	15.0	5.6	761	--
20...	1308	80513	80513	40.0	67.0	36	7.0	15.0	5.6	761	--
20...	1310	80513	80513	50.0	67.0	36	7.0	15.0	5.6	761	--
20...	1312	80513	80513	60.0	67.0	36	7.0	15.0	5.4	761	--
20...	1315	80513	80513	67.0	67.0	38	6.9	14.5	4.7	761	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)
DEC										
27...	0910	80513	80513	.00	85.0	32	6.6	10.5	9.1	759
27...	0911	80513	80010	3.00	85.0	32	6.6	10.5	9.1	759
27...	0912	80513	80513	10.0	85.0	32	6.5	10.5	9.1	759
27...	0915	80513	80010	17.0	85.0	32	6.5	10.5	9.1	759
27...	0916	80513	80513	20.0	85.0	32	6.5	10.5	9.1	759
27...	0918	80513	80513	30.0	85.0	32	6.4	10.5	9.0	759
27...	0920	80513	80513	40.0	85.0	34	6.3	9.5	8.0	759
27...	0922	80513	80513	50.0	85.0	35	6.3	9.0	7.4	759
27...	0924	80513	80513	60.0	85.0	35	6.2	8.5	7.0	759
27...	0925	80513	80010	68.0	85.0	36	6.2	8.0	6.9	759
27...	0926	80513	80513	70.0	85.0	36	6.2	8.0	6.8	759
27...	0928	80513	80513	80.0	85.0	36	6.2	8.0	6.8	759
27...	0930	80513	80513	85.0	85.0	36	6.2	8.0	6.7	759

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
DEC										
27...	0910	.60	16	--	--	--	--	--	--	--
27...	0915	--	--	40	10	.3	14	.00	13	4.0
27...	0925	--	--	35	6.5	.4	14	--	13	4.0

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
DEC									
27...	0915	2.3	.30	<.010	<.010	270	<1	<10	1
27...	0925	2.3	.30	<.010	<.010	110	<1	<10	1

07340990 DIERKS LAKE NEAR DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC									
27...	0911	--	--	--	--	--	--	3.10	<.100
27...	0915	520	<1	<10	.1	<1	10	--	--
27...	0925	480	<1	60	<.1	<1	10	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JAN, 1985											
23...	1300	80513	80513	.00	47.0	36	7.3	6.0	11.0	753	.60
23...	1302	80513	80513	10.0	47.0	36	7.1	6.0	10.1	753	--
23...	1304	80513	80513	20.0	47.0	36	7.0	6.0	9.0	753	--
23...	1306	80513	80513	30.0	47.0	36	6.9	6.0	8.2	753	--
23...	1308	80513	80513	40.0	47.0	36	6.8	6.0	7.7	753	--
23...	1310	80513	80513	47.0	47.0	36	6.8	6.0	7.4	753	--
FEB											
27...	1230	80513	80513	.00	71.0	40	6.8	10.5	13.4	770	.30
27...	1232	80513	80513	10.0	71.0	40	6.7	10.0	11.8	770	--
27...	1234	80513	80513	20.0	71.0	40	6.7	10.0	11.6	770	--
27...	1236	80513	80513	21.0	71.0	40	6.6	9.0	11.6	770	--
27...	1238	80513	80513	22.0	71.0	40	6.6	8.0	11.6	770	--
27...	1240	80513	80513	30.0	71.0	40	6.6	7.5	10.4	770	--
27...	1242	80513	80513	40.0	71.0	41	6.6	7.0	8.6	770	--
27...	1244	80513	80513	45.0	71.0	42	6.6	6.0	7.5	770	--
27...	1246	80513	80513	50.0	71.0	42	6.6	5.5	7.4	770	--
27...	1248	80513	80513	60.0	71.0	42	6.6	5.5	7.0	770	--
27...	1249	80513	80513	70.0	71.0	42	6.5	5.5	6.4	770	--
27...	1250	80513	80513	71.0	71.0	42	6.5	5.5	6.5	770	--
MAR											
20...	1100	80513	80513	.00	65.0	32	6.8	14.5	8.4	756	1.00
20...	1102	80513	80513	10.0	65.0	32	6.8	14.5	8.4	756	--
20...	1104	80513	80513	20.0	65.0	32	6.7	14.0	7.8	756	--
20...	1106	80513	80513	25.0	65.0	34	6.4	13.0	7.1	756	--
20...	1108	80513	80513	30.0	65.0	34	6.3	12.0	7.0	756	--
20...	1110	80513	80513	40.0	65.0	34	6.3	11.0	7.2	756	--
20...	1112	80513	80513	50.0	65.0	34	6.3	10.0	7.2	756	--
20...	1114	80513	80513	60.0	65.0	34	6.2	9.0	7.0	756	--
20...	1115	80513	80513	65.0	65.0	34	6.2	9.0	7.0	756	--
APR											
24...	0910	80513	80513	.00	73.0	32	6.9	18.5	9.2	749	1.50
24...	0912	80513	80513	10.0	73.0	32	6.8	18.5	9.2	749	--
24...	0914	80513	80513	16.0	73.0	32	6.7	17.5	8.4	749	--
24...	0916	80513	80513	17.0	73.0	33	6.4	16.5	7.4	749	--
24...	0918	80513	80513	19.0	73.0	34	6.3	15.5	7.3	749	--
24...	0920	80513	80513	20.0	73.0	34	6.3	15.0	7.3	749	--
24...	0922	80513	80513	30.0	73.0	34	6.2	14.5	7.3	749	--
24...	0924	80513	80513	40.0	73.0	34	6.2	14.5	6.8	749	--
24...	0926	80513	80513	50.0	73.0	34	6.1	14.0	6.6	749	--
24...	0928	80513	80513	60.0	73.0	34	6.1	14.0	5.8	749	--
24...	0929	80513	80513	70.0	73.0	36	6.0	13.5	4.3	749	--
24...	0930	80513	80513	73.0	73.0	38	6.0	13.0	3.6	749	--

07340990 DIERKS LAKE NEAR DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)
MAY										
16...	1530	80513	80513	.00	74.0	34	7.9	24.0	8.4	762
16...	1531	80513	80010	3.00	74.0	34	7.9	23.5	8.3	762
16...	1532	80513	80513	10.0	74.0	34	7.7	22.5	8.2	762
16...	1535	80513	80010	15.0	74.0	36	6.7	21.5	5.9	762
16...	1537	80513	80513	20.0	74.0	36	6.3	20.5	4.0	762
16...	1540	80513	80513	22.0	74.0	36	6.1	19.5	3.6	762
16...	1542	80513	80513	25.0	74.0	34	6.0	17.5	3.8	762
16...	1544	80513	80513	27.0	74.0	34	6.0	17.5	3.8	762
16...	1546	80513	80513	30.0	74.0	34	6.0	16.5	4.2	762
16...	1548	80513	80513	40.0	74.0	34	5.9	16.0	4.4	762
16...	1550	80513	80513	50.0	74.0	34	5.9	16.0	3.6	762
16...	1555	80513	80010	59.0	74.0	36	5.8	15.5	1.5	762
16...	1557	80513	80513	60.0	74.0	42	5.8	15.0	.2	762
16...	1559	80513	80513	70.0	74.0	42	5.8	15.0	.2	762
16...	1600	80513	80513	74.0	74.0	42	5.8	15.0	.1	762

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
MAY									
16...	1530	2.10	0	--	--	--	--	--	--
16...	1535	--	--	30	1.0	1.8	11	10	3.1
16...	1555	--	--	50	8.1	.7	12	11	3.3

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
MAY									
16...	1531	--	<.10	<.010	<.010	--	--	--	--
16...	1535	3.7	<.10	<.010	.010	<10	<1	10	1
16...	1555	3.9	.30	<.010	.010	<10	<1	10	2

DATE	TIME	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									
16...	1531	--	--	--	--	--	--	6.50	<.100
16...	1535	120	3	20	<.1	5	20	--	--
16...	1555	680	1	210	<.1	2	<10	--	--

07340990 DIERKS LAKE NEAR DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUN									
18...	1300	80513	80513	.00	70.0	34	7.4	27.0	7.2
18...	1301	80513	80010	3.00	70.0	34	7.6	27.0	7.2
18...	1303	80513	80513	10.0	70.0	34	7.3	27.0	5.7
18...	1305	80513	80513	11.0	70.0	36	6.8	26.0	5.0
18...	1306	80513	80513	13.0	70.0	36	6.2	25.0	1.1
18...	1308	80513	80513	14.0	70.0	36	6.1	24.0	1.0
18...	1310	80513	80513	18.0	70.0	36	5.9	23.0	.0
18...	1312	80513	80513	20.0	70.0	36	5.9	22.0	.0
18...	1314	80513	80513	22.0	70.0	38	5.9	21.0	.0
18...	1315	80513	80513	23.0	70.0	38	5.9	20.0	.0
18...	1317	80513	80513	26.0	70.0	36	5.8	19.0	.0
18...	1320	80513	80513	30.0	70.0	36	5.8	18.5	.0
18...	1322	80513	80513	35.0	70.0	36	5.8	17.5	.0
18...	1324	80513	80513	40.0	70.0	36	5.8	17.0	.0
18...	1326	80513	80513	50.0	70.0	42	5.8	16.5	.0
18...	1328	80513	80513	60.0	70.0	56	5.9	16.0	.0
18...	1330	80513	80513	70.0	70.0	70	6.1	15.5	.0

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
JUN								
18...	1300	753	1.40	--	--	--	--	--
18...	1301	753	--	<.10	<.010	.010	7.20	<.100

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
JUL									
23...	1330	80513	80513	.00	76.0	38	7.7	29.0	7.2
23...	1331	80513	80010	3.00	76.0	38	7.8	28.5	7.5
23...	1333	80513	80513	10.0	76.0	38	7.7	28.0	7.3
23...	1334	80513	80513	12.0	76.0	38	6.9	27.5	6.6
23...	1336	80513	80513	13.0	76.0	38	6.6	26.5	4.7
23...	1338	80513	80513	14.0	76.0	38	5.9	25.5	1.7
23...	1340	80513	80513	15.0	76.0	38	5.8	24.5	.8
23...	1342	80513	80513	16.0	76.0	38	5.7	23.0	.3
23...	1344	80513	80513	18.0	76.0	40	5.7	22.0	.3
23...	1346	80513	80513	19.0	76.0	40	5.7	21.0	.2
23...	1348	80513	80513	20.0	76.0	40	5.7	20.5	.2
23...	1350	80513	80513	22.0	76.0	40	5.7	19.5	.1
23...	1352	80513	80513	24.0	76.0	42	5.7	18.5	.1
23...	1354	80513	80513	26.0	76.0	40	5.7	17.5	.1
23...	1356	80513	80513	30.0	76.0	40	5.6	17.0	.1
23...	1358	80513	80513	40.0	76.0	48	5.6	16.0	.1
23...	1400	80513	80513	50.0	76.0	62	5.9	15.5	.1
23...	1442	80513	80513	60.0	76.0	78	6.0	15.0	.1
23...	1444	80513	80513	70.0	76.0	88	6.0	14.5	.1
23...	1446	80513	80513	76.0	76.0	92	6.1	14.5	.1

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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								
23...	1330	750	2.00	--	--	--	--	--
23...	1331	750	--	<.10	<.010	<.010	5.50	<.100

07340990 DIERKS LAKE NEAR DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)
AUG										
27...	0915	80513	80513	.00	60.0	43	7.1	28.0	7.2	758
27...	0916	80513	80010	3.00	60.0	43	7.2	28.0	7.2	758
27...	0918	80513	80513	10.0	60.0	43	7.1	28.0	7.1	758
27...	0920	80513	80010	12.0	60.0	43	7.1	28.0	7.0	758
27...	0922	80513	80513	17.0	60.0	43	6.6	27.5	6.2	758
27...	0924	80513	80513	18.0	60.0	42	6.2	26.0	.4	758
27...	0926	80513	80513	19.0	60.0	42	6.1	24.0	1.4	758
27...	0928	80513	80513	20.0	60.0	40	6.0	23.0	1.2	758
27...	0930	80513	80513	21.0	60.0	40	6.0	22.0	.2	758
27...	0932	80513	80513	22.0	60.0	51	6.1	22.0	.2	758
27...	0934	80513	80513	23.0	60.0	58	6.2	22.5	.2	758
27...	0936	80513	80513	24.0	60.0	61	6.3	19.5	.1	758
27...	0938	80513	80513	26.0	60.0	60	6.3	19.0	.1	758
27...	0940	80513	80513	30.0	60.0	61	6.3	18.0	.1	758
27...	0942	80513	80513	40.0	60.0	73	6.4	17.0	.1	758
27...	0945	80513	80010	48.0	60.0	86	6.4	16.5	.1	758
27...	0947	80513	80513	50.0	60.0	87	6.5	16.5	.1	758
27...	0950	80513	80513	60.0	60.0	105	6.5	16.0	.1	758

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
AUG										
27...	0915	1.70	0	--	--	--	--	--	--	--
27...	0920	--	--	15	1.0	1.4	10	12	2.7	4.5
27...	0945	--	--	10	3.0	1.6	12	22	2.4	4.2

DATE	TIME	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
AUG									
27...	0916	--	.020	<.010	.06	--	--	--	--
27...	0920	<.10	.020	<.010	.06	30	<1	10	1
27...	0945	<.10	.050	.040	.15	50	2	10	4

DATE	TIME	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)
AUG									
27...	0916	--	--	--	--	--	--	6.70	<.100
27...	0920	140	5	40	<.1	3	20	--	--
27...	0945	4200	5	800	<.1	5	20	--	--

07340990 DIERKS LAKE NEAR DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
SEP									
24...	1300	80513	80513	.00	55.0	37	6.6	24.5	7.2
24...	1301	80513	80513	3.00	55.0	37	6.7	24.5	7.1
24...	1304	80513	80513	10.0	55.0	37	6.6	24.5	6.8
24...	1306	80513	80513	20.0	55.0	39	6.4	23.5	4.2
24...	1308	80513	80513	21.0	55.0	42	6.3	23.5	2.9
24...	1310	80513	80513	22.0	55.0	66	6.3	22.0	.2
24...	1312	80513	80513	23.0	55.0	70	6.4	20.0	.2
24...	1314	80513	80513	24.0	55.0	68	6.4	19.0	.2
24...	1316	80513	80513	26.0	55.0	63	6.3	18.5	.1
24...	1318	80513	80513	30.0	55.0	61	6.3	18.0	.1
24...	1320	80513	80513	40.0	55.0	71	6.3	17.0	.1
24...	1322	80513	80513	50.0	55.0	85	6.4	16.5	.2
24...	1325	80513	80513	55.0	55.0	94	6.4	16.0	.2

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP								
24...	1300	757	2.20	--	--	--	--	--
24...	1301	757	--	<.10	.040	<.010	.12	<.100

07340992 SALINE RIVER BELOW DIERKS DAM, NEAR DIERKS, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (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)	COLOR (PLATINUM-COBALT UNITS) (00080)
OCT, 1984											
10...	1050	80513	80513	500	61	7.0	16.5	9.3	96	758	--
NOV											
20...	1230	80513	80513	854	35	7.1	15.0	10.2	101	761	--
DEC											
27...	0830	80513	80010	690	35	6.5	9.0	11.6	101	760	35
JAN, 1985											
23...	1320	80513	80513	48	36	7.0	6.0	12.7	103	753	--
FEB											
27...	1200	80513	80513	703	42	6.7	6.0	15.4	122	770	--
MAR											
20...	1030	80513	80513	17	38	6.7	9.5	10.0	88	756	--
APR											
24...	0940	80513	80513	7.0	53	6.6	17.0	9.6	101	751	--
MAY											
16...	1500	80513	80010	170	37	6.5	15.5	8.8	88	762	55
JUN											
18...	1230	80513	80513	18	40	6.7	26.5	6.8	86	753	--
JUL											
23...	1300	80513	80513	18	36	7.0	28.0	6.8	88	752	--
AUG											
27...	0830	80513	80010	18	44	6.6	27.5	7.1	90	759	15
SEP											
24...	1400	80513	80513	11	36	6.8	25.0	8.2	100	758	--

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	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)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)
DEC, 1984											
27...	0830	6.5	.5	27	13	4.0	2.1	.30	<.010	<.010	230
MAY, 1985											
16...	1500	8.1	.7	0	13	3.3	3.2	.30	<.010	.010	<10
AUG											
27...	0830	1.3	1.4	17	11	2.9	2.2	<.10	.020	<.010	40

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)
DEC, 1984										
27...	0830	<1	<10	1	530	<1	60	.2	<1	10
MAY, 1985										
16...	1500	1	10	3	1200	5	430	<.1	4	10
AUG										
27...	0830	<1	10	1	180	5	50	<.1	2	30

07341200 SALINE RIVER NEAR LOCKESBURG, ARK.

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.

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 above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--No estimated daily discharges. Records good. Some regulation since May 1975 by Dierks Lake, 26.6 mi upstream. Satellite telemeter at station.

AVERAGE DISCHARGE.--22 years, 402 ft^3/s, 291,200 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, 6,650 ft^3/s Apr. 23, gage height, 15.81 ft; minimum daily, 11 ft^3/s Sept. 24, 25, 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	1170	964	1060	457	1200	526	1870	121	32	22	20
2	21	1370	930	428	426	1290	964	1010	116	32	22	20
3	21	912	890	815	401	1170	1220	986	111	35	22	20
4	21	911	590	958	398	1150	1200	1040	85	38	22	24
5	25	866	486	944	611	1130	1160	999	47	35	25	25
6	68	1100	850	916	764	800	1130	972	217	32	30	23
7	429	1120	537	896	675	739	1100	953	509	30	30	22
8	207	1110	462	878	641	708	1080	940	608	29	27	22
9	88	1100	426	850	604	399	907	928	575	28	27	21
10	576	1140	397	766	615	367	446	900	539	27	25	24
11	668	1130	372	728	598	361	413	662	165	26	23	23
12	464	1090	218	271	667	400	227	631	56	38	23	22
13	268	1060	181	211	503	385	109	629	47	30	22	22
14	229	1050	882	205	344	1360	113	621	41	27	22	27
15	247	1050	890	153	294	845	117	308	39	25	19	22
16	476	1040	523	150	253	692	109	267	38	25	20	21
17	526	1030	556	377	233	671	101	281	37	25	20	20
18	492	1120	1900	266	220	625	97	481	1090	24	20	20
19	708	1330	1890	279	210	649	93	594	707	24	20	20
20	461	1140	795	276	218	1390	90	512	175	23	20	19
21	774	1070	946	247	225	2950	92	431	99	23	20	19
22	312	905	1190	160	297	1150	529	774	72	31	20	16
23	762	846	973	142	1750	1100	5310	258	63	32	20	12
24	842	279	920	147	2240	1090	2470	127	56	27	20	11
25	1710	120	1020	148	1110	904	444	90	49	27	20	11
26	1070	186	981	129	817	1120	979	72	44	25	20	12
27	1070	1610	956	241	1030	1160	1480	68	41	26	20	12
28	1290	1130	936	805	1010	966	2160	107	38	25	20	11
29	1320	804	927	578	---	729	590	100	34	24	20	12
30	1130	992	978	624	---	867	892	111	33	23	20	13
31	1130	---	1120	629	---	1910	---	129	---	23	20	---
TOTAL	17427	29781	25686	15277	17611	30277	26148	17851	5852	871	681	566
MEAN	562	993	829	493	629	977	872	576	195	28.1	22.0	18.9
MAX	1710	1610	1900	1060	2240	2950	5310	1870	1090	38	30	27
MIN	21	120	181	129	210	361	90	68	33	23	19	11
AC-FT	34570	59070	50950	30300	34930	60050	51860	35410	11610	1730	1350	1120

CAL YR 1984	TOTAL	177668	MEAN	485	MAX	6250	MIN	11	AC-FT	352400
WTR YR 1985	TOTAL	188028	MEAN	515	MAX	5310	MIN	11	AC-FT	373000

07341300 MILLWOOD LAKE NEAR ASHDOWN, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
OCT, 1984											
10...	0930	80513	80513	.00	29.0	67	7.5	21.5	8.4	759	.80
10...	0935	80513	80513	10.0	29.0	68	7.5	21.5	8.3	759	--
10...	0940	80513	80513	20.0	29.0	70	7.4	21.0	8.0	759	--
10...	0945	80513	80513	29.0	29.0	70	7.3	20.5	6.5	759	--
NOV											
20...	1100	80513	80513	.00	38.0	32	7.4	12.0	9.1	770	.40
20...	1105	80513	80513	10.0	38.0	32	7.4	12.0	9.0	770	--
20...	1110	80513	80513	20.0	38.0	32	7.4	12.0	9.0	770	--
20...	1115	80513	80513	30.0	38.0	31	7.4	12.0	8.8	770	--
20...	1120	80513	80513	38.0	38.0	31	7.4	12.0	8.8	770	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC									
26...	1420	80513	80513	.00	35.0	43	7.2	10.0	9.8
26...	1421	80513	80010	3.00	35.0	43	7.2	10.0	9.8
26...	1425	80513	80010	7.00	35.0	43	7.2	10.0	9.7
26...	1426	80513	80513	10.0	35.0	43	7.1	10.0	9.7
26...	1428	80513	80513	20.0	35.0	46	7.1	10.0	9.7
26...	1430	80513	80010	28.0	35.0	39	7.1	9.5	10.0
26...	1432	80513	80513	30.0	35.0	38	7.1	9.5	9.9
26...	1435	80513	80513	35.0	35.0	36	7.0	9.5	10.0

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)
DEC								
26...	1420	767	.90	22	--	--	--	--
26...	1425	767	--	--	50	15	.8	16
26...	1430	767	--	--	55	15	1.0	20

DATE	TIME	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)	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)
DEC									
26...	1425	17	6.2	6.0	.20	.020	<.010	380	<1
26...	1430	16	6.3	6.0	.20	.010	<.010	410	<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)
DEC									
26...	1425	<10	1	1400	<1	50	.1	1	10
26...	1430	<10	1	1200	<1	30	.2	<1	10

07341300 MILLWOOD LAKE NEAR ASHDOWN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)
JAN, 1985											
23...	1130	80513	80513	.00	31.0	48	7.6	2.5	13.1	762	.40
23...	1132	80513	80513	10.0	31.0	47	7.6	2.5	11.2	762	--
23...	1133	80513	80513	20.0	31.0	47	7.6	2.5	10.2	762	--
23...	1134	80513	80513	30.0	31.0	48	7.5	2.5	9.7	762	--
23...	1135	80513	80513	31.0	31.0	48	7.5	2.5	9.6	762	--
FEB											
28...	0930	80513	80513	.00	38.0	76	7.2	11.5	10.8	775	.60
28...	0932	80513	80513	10.0	38.0	70	7.3	11.5	10.6	775	--
28...	0933	80513	80513	20.0	38.0	70	7.2	11.5	7.6	775	--
28...	0934	80513	80513	30.0	38.0	70	7.2	11.5	6.4	775	--
28...	0935	80513	80513	38.0	38.0	72	7.2	11.5	6.2	775	--
MAR											
21...	0800	80513	80513	.00	34.0	44	6.8	13.5	9.6	758	.20
21...	0802	80513	80513	10.0	34.0	44	6.8	13.5	9.4	758	--
21...	0804	80513	80513	20.0	34.0	44	6.8	13.5	9.4	758	--
21...	0806	80513	80513	30.0	34.0	44	6.7	13.5	9.2	758	--
21...	0810	80513	80513	34.0	34.0	44	6.7	13.5	9.2	758	--
APR											
24...	1120	80513	80513	.00	33.0	56	7.1	21.0	8.7	756	1.00
24...	1122	80513	80513	4.00	33.0	54	7.0	20.0	8.6	756	--
24...	1124	80513	80513	10.0	33.0	57	6.9	19.5	8.4	756	--
24...	1126	80513	80513	20.0	33.0	57	6.8	19.5	8.4	756	--
24...	1128	80513	80513	30.0	33.0	57	6.7	19.5	8.4	756	--
24...	1130	80513	80513	33.0	33.0	57	6.7	19.5	8.4	756	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)
MAY									
14..	0800	80513	80513	.00	35.0	47	7.2	22.0	7.8
14...	0801	80513	80010	3.00	35.0	47	7.0	22.0	7.8
14...	0805	80513	80010	7.00	35.0	48	6.9	22.0	7.8
14...	0807	80513	80513	10.0	35.0	45	6.9	22.0	7.8
14...	0808	80513	80513	20.0	35.0	43	6.8	22.0	7.7
14...	0810	80513	80010	28.0	35.0	43	6.7	22.0	7.7
14...	0812	80513	80513	30.0	35.0	43	6.7	22.0	7.7
14...	0815	80513	80513	35.0	35.0	43	6.7	22.0	7.7

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
MAY									
14...	0800	763	1.20	0	--	--	--	--	--
14...	0805	763	--	--	30	9.1	1.2	15	4.4
14...	0810	763	--	--	30	9.0	1.3	12	4.6

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
MAY									
14...	0801	--	1.2	.010	<.010	--	--	--	--
14...	0805	15	<.10	.020	<.010	190	<1	10	1
14...	0810	12	.10	.020	<.010	370	<1	<10	1

07341300 MILLWOOD LAKE NEAR ASHDOWN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY									
14...	0801	--	--	--	--	--	--	3.60	<.100
14...	0805	520	3	40	<.1	2	50	--	--
14...	0810	800	5	60	.2	1	40	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUN									
19...	0800	80513	80513	.00	34.0	66	7.0	25.0	5.8
19...	0801	80513	80010	3.00	34.0	66	7.0	25.0	5.5
19...	0803	80513	80513	10.0	34.0	66	6.9	25.0	5.5
19...	0805	80513	80513	20.0	34.0	66	6.9	25.0	5.5
19...	0807	80513	80513	30.0	34.0	64	6.8	25.0	5.3
19...	0810	80513	80513	34.0	34.0	64	6.7	25.0	4.9

DATE	TIME	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUN									
19...	0800	760	.90	--	--	--	--	--	--
19...	0801	760	--	<.10	.020	.010	.06	3.20	<.100

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUL									
24...	0800	80513	80513	.00	34.0	52	7.1	28.0	5.5
24...	0801	80513	80010	3.00	34.0	54	7.1	28.0	5.5
24...	0805	80513	80513	10.0	34.0	56	7.0	28.0	5.4
24...	0807	80513	80513	20.0	34.0	62	6.7	27.0	1.7
24...	0810	80513	80513	30.0	34.0	70	6.6	26.5	.3
24...	0815	80513	80513	34.0	34.0	78	6.6	26.0	.2

DATE	TIME	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
JUL								
24...	0800	754	.60	--	--	--	--	--
24...	0801	754	--	<.10	<.010	.040	10.0	<.100

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
AUG									
29...	0830	80513	80513	.00	34.0	93	7.8	28.0	7.8
29...	0831	80513	80010	3.00	34.0	93	7.9	28.0	7.6
29...	0835	80513	80010	7.00	34.0	93	7.8	28.0	7.3
29...	0836	80513	80513	10.0	32.0	93	7.7	28.0	7.2
29...	0838	80513	80513	20.0	32.0	96	7.1	27.0	7.2
29...	0840	80513	80010	27.0	34.0	96	6.9	27.0	4.2
29...	0842	80513	80513	30.0	32.0	98	6.9	27.0	3.9
29...	0845	80513	80513	32.0	32.0	98	6.9	27.0	7.7

07341300 MILLWOOD LAKE NEAR ASHDOWN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)
AUG									
29...	0830	764	.90	0	--	--	--	--	--
29...	0835	764	--	--	10	2.0	1.8	27	25
29...	0840	764	--	--	15	1.5	1.4	27	26

DATE	TIME	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)
AUG									
29...	0831	--	--	--	.030	.030	.09	--	--
29...	0835	4.0	8.4	<.10	.030	<.010	.09	60	1
29...	0840	3.5	9.8	<.10	.020	.020	.06	90	2

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									
29...	0835	10	2	250	1	140	<.1	4	70
29...	0840	20	2	330	2	400	<.1	2	90

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	BAROMETRIC PRESSURE (MM OF HG) (00025)
SEP										
24...	1630	80513	80513	.00	30.0	87	7.8	24.0	9.0	760
24...	1631	80513	80010	3.00	30.0	87	7.7	24.0	8.6	760
24...	1633	80513	80513	10.0	30.0	89	7.5	23.0	8.2	760
24...	1635	80513	80513	20.0	30.0	88	7.4	23.0	7.8	760
24...	1640	80513	80513	30.0	30.0	88	7.2	22.5	7.5	760

DATE	TIME	TRANSPARENCY (SECCHI DISK) (M) (00078)	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)	PHOSPHORUS TOTAL (MG/L AS PO4) (71886)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
SEP									
24...	1630	.50	--	--	--	--	--	--	--
24...	1631	--	<.10	<.010	.080	.020	.25	14.0	<.100

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, ARK.
(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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT, 1984											
10...	0850	80513	80010	3900	70	7.7	21.5	3.2	8.7	99	759
NOV											
20...	1030	80513	80513	21300	31	7.4	11.5	--	10.3	93	770
DEC											
26...	1350	80513	80010	19200	37	7.3	10.0	15	11.0	97	767
JAN, 1985											
23...	1100	80513	80513	3560	50	7.7	3.0	--	14.4	107	763
FEB											
20...	1510	80513	80513	3520	60	7.0	8.5	8.5	12.4	105	767
28...	0900	80513	80513	28800	70	7.2	12.0	--	12.0	109	775
MAR											
21...	0700	80513	80513	10200	44	6.8	13.5	--	11.2	108	758
APR											
16...	1300	80513	80010	2850	47	7.0	21.0	15	9.9	112	757
24...	1100	80513	80513	16100	46	6.9	20.0	--	9.8	109	757
MAY											
14...	0735	80513	80513	7200	42	7.1	21.5	--	9.6	109	763
JUN											
19...	0730	80513	80513	4500	64	7.1	24.0	--	8.0	96	759
JUL											
24...	0720	80513	80513	157	70	7.0	28.0	--	6.8	88	757
AUG											
05...	1300	80513	80010	160	79	7.9	32.0	3.5	5.7	79	757
29...	0745	80513	80010	198	96	7.2	30.0	2.5	7.5	99	764
SEP											
24...	1800	80513	80513	380	87	7.4	23.0	--	8.8	103	761

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 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)
OCT, 1984											
10...	0850	--	--	20	0	5.5	1.5	5.6	36	.6	1.3
DEC											
26...	1350	61	--	14	--	--	--	--	--	--	--
FEB, 1985											
20...	1510	1	5	14	2	3.9	1.1	3.5	33	.4	.90
APR											
16...	1300	1	41	13	1	3.6	1.0	3.0	31	.4	1.1
MAY											
14...	0735	1	--	--	--	--	--	--	--	--	--
AUG											
05...	1300	13	92	27	3	8.0	1.7	5.1	28	.4	1.3
29...	0745	37	--	27	--	--	--	--	--	--	--

07341301 LITTLE RIVER AT MILLWOOD DAM NEAR ASHDOWN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	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, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
OCT, 1984											
10...	0850	20	4.3	7.3	<.10	6.0	52	44	.07	--	.23
DEC											
26...	1350	13	5.0	4.5	--	--	--	--	--	.20	--
FEB, 1985											
20...	1510	12	6.0	4.0	<.10	6.2	44	33	.06	--	.14
APR											
16...	1300	--	4.4	3.2	<.10	6.5	30	30	.04	--	.12
MAY											
14...	0735	--	--	--	--	--	--	--	--	.10	--
AUG											
05...	1300	24	5.6	5.5	<.10	5.8	52	48	.07	--	<.10
29...	0745	26	4.1	9.8	--	--	--	--	--	<.10	--

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DISSOLVED (UG/L AS AS) (01000)	BARIUM, DISSOLVED (UG/L AS BA) (01005)
OCT, 1984											
10...	0850	.210	.40	.100	.080	.020	--	20	--	<1	17
DEC											
26...	1350	--	--	<.010	--	--	450	--	<1	--	--
FEB, 1985											
20...	1510	.050	.60	.040	.030	.020	--	80	--	<1	14
APR											
16...	1300	.080	5.3	.010	<.010	<.010	--	40	--	<1	21
MAY											
14...	0735	--	--	.040	--	--	--	--	--	--	--
AUG											
05...	1300	.040	.50	.050	.020	.050	--	10	--	1	17
29...	0745	--	--	.050	--	--	90	--	1	--	--

DATE	TIME	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)
OCT, 1984										
10...	0850	<.5	2	9	--	<3	6	--	380	--
DEC										
26...	1350	--	--	--	10	--	--	1	--	1300
FEB, 1985										
20...	1510	1.1	3	7	--	<3	2	--	240	--
APR										
16...	1300	<.5	<1	<1	--	<3	3	--	100	--
AUG										
05...	1300	1.1	<1	<1	--	<3	9	--	13	--
29...	0745	--	--	--	<10	--	--	2	--	270

07341301 LITTLE RIVER AT MILLWOOD DAM NEAR ASHDOWN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)
OCT, 1984										
10...	0850	4	--	<4	2	--	<.1	--	<10	7
DEC										
26...	1350	--	<1	--	--	40	--	.1	--	--
FEB, 1985										
20...	1510	2	--	9	15	--	.3	--	<10	4
APR										
16...	1300	2	--	<4	4	--	<.1	--	<10	2
AUG										
05...	1300	3	--	<4	17	--	<.1	--	<10	3
29...	0745	--	2	--	--	220	--	<.1	--	--

DATE	TIME	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	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)	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. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT, 1984										
10...	0850	--	<1	<1	52	<3	--	13	137	57
DEC										
26...	1350	1	--	--	--	--	10	--	--	--
FEB, 1985										
20...	1510	--	1	<1	28	25	--	14	133	33
APR										
16...	1300	--	<1	<1	27	10	--	26	200	14
AUG										
05...	1300	--	<1	<1	73	58	--	17	7.3	58
29...	0745	4	--	--	--	--	40	--	--	--

07344275 SULPHUR RIVER SOUTH OF TEXARKANA, ARK.
(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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT, 1984											
09...	1345	80513	80010	143	265	7.8	19.0	38	7.1	77	759
FEB, 1985											
20...	0900	80513	80010	4350	300	7.9	7.5	20	12.0	99	767
APR											
17...	0830	80513	80010	8880	224	8.0	20.0	10	7.3	80	762
AUG											
06...	0830	80513	80010	125	214	7.7	30.0	25	3.2	43	757

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 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)
OCT, 1984											
09...	1345	--	--	82	11	27	3.5	16	29	.8	3.4
FEB, 1985											
20...	0900	3	100	76	10	25	3.3	21	36	1	2.9
APR											
17...	0830	11	24	--	--	--	--	--	--	--	3.4
AUG											
06...	0830	360	330	85	7	28	3.5	14	26	.7	3.2

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
OCT, 1984										
09...	1345	71	18	17	.20	4.0	153	130	.21	.22
FEB, 1985										
20...	0900	66	35	23	.10	6.7	189	160	.26	.22
APR										
17...	0830	68	18	10	.20	--	117	--	.16	.16
AUG										
06...	0830	78	17	15	.10	4.9	152	130	.21	.19

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	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)
OCT, 1984										
09...	1345	.030	1.0	.120	.050	<.010	900	1	56	<.5
FEB, 1985										
20...	0900	.100	1.9	.050	<.010	.030	90	<1	44	<.5
APR										
17...	0830	.080	2.2	.070	<.010	<.010	40	1	--	--
AUG										
06...	0830	.170	1.5	.100	<.010	.010	<10	1	67	1.3

07344275 SULPHUR RIVER SOUTH OF TEXARKANA, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)
OCT, 1984 09...	1345	<1	3	<3	27	54	11	<4	5	<.1
FEB, 1985 20...	0900	3	3	<3	10	170	3	18	20	.3
APR 17...	0830	--	1	--	5	--	4	--	--	.5
AUG 06...	0830	<1	<1	<3	11	16	<1	<4	3	<.1

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 CR 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, 1984 09...	1345	<10	7	<1	<1	240	25	90	35	92
FEB, 1985 20...	0900	<10	6	1	<1	220	21	24	282	76
APR 17...	0830	--	6	<1	<1	--	--	20	480	89
AUG 06...	0830	<10	2	<1	<1	260	10	107	36	90

07344300 DAYS CREEK SOUTHEAST OF TEXARKANA, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984											
09...	1315	9827	9827	30	401	7.1	22.0	3.8	25.0	590	8.8
NOV											
06...	1300	9827	9827	34	391	7.2	15.0	4.5	20.0	260	6.3
DEC											
04...	1230	9827	9827	15	334	7.3	9.0	6.3	10.0	--	--
JAN, 1985											
15...	1300	9827	9827	46	--	7.1	6.0	7.6	11.0	<4	7.6
FEB											
12...	1230	9827	9827	101	--	7.0	8.0	8.1	12.0	K24	--
MAR											
12...	1245	9827	9827	66	313	7.0	15.0	5.0	19.0	--	6.8
APR											
09...	1245	9827	9827	45	416	7.2	17.0	5.3	21.0	K64	--
MAY											
14...	0800	9827	9827	55	411	7.2	21.0	2.3	20.0	--	15
JUN											
04...	1230	9827	9827	19	--	7.3	29.0	4.3	31.0	500	15
JUL											
09...	1315	9827	9827	17	435	--	31.0	5.5	32.0	100	73
AUG											
13...	1230	9827	9827	17	631	7.7	34.0	--	30.0	200	17
SEP											
10...	1300	9827	9827	18	685	7.7	28.0	3.6	28.0	--	--

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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, 1984											
09...	1315	20	44	62	26	55	230	16	.25	--	--
NOV											
06...	1300	15	44	76	--	59	245	19	.64	3.30	1.6
DEC											
04...	1230	15	44	66	32	39	12	207	.63	4.75	1.1
JAN, 1985											
15...	1300	15	--	62	28	--	228	10	.73	5.00	.80
FEB											
12...	1230	20	--	56	24	44	186	18	.51	2.40	1.6
MAR											
12...	1245	10	28	58	22	44	187	15	.15	--	--
APR											
09...	1245	8.0	38	66	30	60	243	12	.19	5.40	1.5
MAY											
14...	0800	20	52	68	31	63	232	28	.78	4.60	1.5
JUN											
04...	1230	10	--	130	31	180	497	23	.04	8.20	--
JUL											
09...	1315	10	48	74	30	--	250	16	.24	--	--
AUG											
13...	1230	6.0	64	86	38	100	337	30	.06	--	--
SEP											
10...	1300	9.0	69	82	41	95	340	20	.04	14.5	2.5

07344300 DAYS CREEK SOUTHEAST OF TEXARKANA, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	SELENIUM, TOTAL (UG/L AS SE) (01147)
OCT, 1984											
09...	1315	--	--	--	1.30	--	<1	3	38	26	--
NOV											
06...	1300	4.9	5.5	.650	.490	6	1	2	38	18	<5
DEC											
04...	1230	5.8	6.4	1.10	.860	--	<1	<1	34	--	--
JAN, 1985											
15...	1300	5.8	6.5	--	--	<5	1	4	11	5	<5
FEB											
12...	1230	4.0	4.5	.950	.560	--	<1	1	12	6	--
MAR											
12...	1245	--	--	.740	.480	--	<1	<1	<15	13	--
APR											
09...	1245	6.9	7.1	.950	.680	4	1	1	<15	--	<1
MAY											
14...	0800	6.1	6.9	.940	.550	--	<1	2	<15	16	--
JUN											
04...	1230	--	--	2.15	1.45	--	<1	2	22	2	--
JUL											
09...	1315	--	--	1.65	.980	6	1	3	<15	7	--
AUG											
13...	1230	--	--	2.90	2.10	--	--	2	<15	7	--
SEP											
10...	1300	--	--	2.30	1.60	--	<1	4	<15	--	--

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984										
09...	1315	70	--	--	--	--	--	--	--	--
NOV										
06...	1300	130	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
JAN, 1985										
15...	1300	50	--	--	--	--	--	--	--	--
FEB										
12...	1230	60	--	--	--	--	--	--	--	--
MAR										
12...	1245	40	<.001	<.001	<.050	<.001	<.001	<.01	--	<1
APR										
09...	1245	20	--	--	--	--	--	--	--	--
MAY										
14...	0800	30	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
JUN										
04...	1230	30	--	--	--	--	--	--	--	--
JUL										
09...	1315	20	--	--	--	--	--	--	--	--
AUG										
13...	1230	20	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07344350 RED RIVER NEAR SPRING BANK, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984											
09...	1400	9827	9827	4970	380	7.8	22.0	8.4	26.0	200	2.9
NOV											
06...	1345	9827	9827	74900	158	7.8	16.0	7.8	20.0	530	1.9
DEC											
04...	1320	9827	9827	49300	270	7.6	9.0	7.7	10.0	--	1.6
JAN, 1985											
15...	1400	9827	9827	37200	--	7.8	5.0	11.7	11.0	K100	1.2
FEB											
12...	1330	9827	9827	23300	--	7.6	6.0	11.8	14.0	K70	1.7
MAR											
12...	1330	9827	9827	64900	424	7.7	15.0	9.3	16.0	--	1.8
APR											
09...	1330	9827	9827	95200	478	7.8	16.0	8.8	22.0	K80	1.2
MAY											
14...	0850	9827	9827	60100	334	7.8	21.0	7.0	20.0	K40	1.6
JUN											
04...	1300	9827	9827	19600	--	7.7	30.0	7.5	35.0	K20	2.2
JUL											
09...	1400	9827	9827	18700	687	8.1	31.0	6.7	32.0	K8	1.6
AUG											
13...	1330	9827	9827	4280	861	8.3	32.0	--	34.0	K32	6.3
SEP											
10...	1400	9827	9827	6680	439	8.1	28.0	8.9	24.0	K16	3.3

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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, 1984											
09...	1400	35	25	100	28	46	230	39	.27	.040	--
NOV											
06...	1345	170	31	68	--	11	166	371	.17	.110	.59
DEC											
04...	1320	35	49	76	25	31	51	193	.22	.100	.30
JAN, 1985											
15...	1400	15	--	280	170	--	776	252	.23	.120	--
FEB											
12...	1330	40	--	92	36	42	216	58	.24	.100	.20
MAR											
12...	1330	110	19	110	53	66	298	191	.26	.100	.30
APR											
09...	1330	160	27	150	54	70	319	304	.25	.090	.81
MAY											
14...	0850	120	27	110	37	41	212	245	.26	.070	.63
JUN											
04...	1300	80	--	110	9.0	41	221	103	.17	.040	--
JUL											
09...	1400	--	27	170	67	--	381	121	.12	.070	.43
AUG											
13...	1330	15	29	240	85	150	553	39	.02	.010	1.4
SEP											
10...	1400	25	23	120	35	55	225	44	.12	.260	.34

07344350 RED RIVER NEAR SPRING BANK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	SELENIUM, TOTAL (UG/L AS SE) (01147)
OCT, 1984											
09...	1400	<.10	--	--	.040	--	<1	2	<10	67	--
NOV											
06...	1345	.70	.87	.320	.100	6	1	9	23	110	<5
DEC											
04...	1320	.40	.62	.160	.110	--	1	<1	30	44	--
JAN, 1985											
15...	1400	--	--	--	--	11	<1	8	16	5	<5
FEB											
12...	1330	.30	.54	.120	.070	--	<1	<1	10	5	--
MAR											
12...	1330	.40	.66	.170	.090	--	<1	1	<15	22	--
APR											
09...	1330	.90	1.2	.270	.090	27	1	14	<15	--	<1
MAY											
14...	0850	.70	.96	.240	.100	--	<1	6	<15	6	--
JUN											
04...	1300	--	--	.140	.060	--	<1	<1	<15	7	--
JUL											
09...	1400	.50	.62	.150	.030	14	<1	8	<15	22	--
AUG											
13...	1330	1.4	1.4	.090	.040	--	--	3	<15	10	--
SEP											
10...	1400	.60	.72	.110	.040	--	<1	1	<15	--	--

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984										
09...	1400	20	--	--	--	--	--	--	--	--
NOV										
06...	1345	60	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
JAN, 1985										
15...	1400	30	--	--	--	--	--	--	--	--
FEB										
12...	1330	20	--	--	--	--	--	--	--	--
MAR										
12...	1330	30	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
APR										
09...	1330	50	--	--	--	--	--	--	--	--
MAY										
14...	0850	40	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
JUN										
04...	1300	20	--	--	--	--	--	--	--	--
JUL										
09...	1400	20	--	--	--	--	--	--	--	--
AUG										
13...	1330	30	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07348650 BAYOU DORCHEAT NEAR TAYLOR, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
23...	1315	9827	9827	1540	5.2	15.0	6.4	12.0	230
NOV									
20...	1230	9827	9827	230	5.5	11.0	7.8	11.0	400
DEC									
18...	1300	9827	9827	1150	5.8	18.0	5.6	21.0	<10
JAN, 1985									
29...	1230	9827	9827	401	5.9	5.0	11.2	8.0	K55
FEB									
26...	1300	9827	9827	1150	5.4	14.0	--	23.0	960
MAR									
26...	1230	9827	9827	2850	5.6	17.0	6.5	29.0	--
APR									
23...	1222	9827	9827	1150	5.8	21.0	5.3	29.0	570
MAY									
21...	1221	9827	9827	41	6.0	20.0	5.6	21.0	100
JUN									
18...	1306	9827	9827	8.0	6.5	24.0	3.3	23.0	>6000
JUL									
30...	1228	9827	9827	27	5.9	--	4.4	--	K48
AUG									
20...	1226	9827	9827	1.2	6.7	26.0	1.9	28.0	K80

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
23...	1315	1.2	8.0	30	10	22	115	10	.01
NOV									
20...	1230	.7	6.2	62	8.0	87	267	8	.02
DEC									
18...	1300	.7	7.0	52	8.0	46	128	10	.01
JAN, 1985									
29...	1230	.7	--	36	9.0	54	144	10	.11
FEB									
26...	1300	1.8	20	32	11	--	125	17	<.01
MAR									
26...	1230	.9	20	18	11	20	100	13	.04
APR									
23...	1222	2.4	20	22	9.0	24	98	20	.04
MAY									
21...	1221	2.1	150	30	6.0	45	146	14	.12
JUN									
18...	1306	3.8	15	58	7.0	50	174	28	.16
JUL									
30...	1228	1.4	15	72	9.0	98	--	--	.11
AUG									
20...	1226	1.7	20	80	6.0	100	276	8	.04

07348650 BAYOU DORCHEAT NEAR TAYLOR, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
23...	1315	.040	.060	.020	1	1	33	--	60
NOV									
20...	1230	<.010	.040	.010	1	4	25	36	60
DEC									
18...	1300	.010	--	.030	1	<1	--	--	--
JAN, 1985									
29...	1230	.060	.060	.010	<1	2	26	31	50
FEB									
26...	1300	.020	.080	.010	<1	3	40	--	40
MAR									
26...	1230	.010	--	.040	<1	2	36	50	--
APR									
23...	1222	.050	.090	.030	1	<1	38	65	50
MAY									
21...	1221	.240	.090	.040	1	<1	35	15	--
JUN									
18...	1306	.300	.090	.030	1	<1	40	--	40
JUL									
30...	1228	.060	.070	.010	1	<1	32	55	130
AUG									
20...	1226	.220	.070	.020	--	<1	25	16	--

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)
JUL, 1985									
30...	1228	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07349440 BODCAU CREEK NEAR LEWISVILLE, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)
OCT, 1984										
23...	1345	9827	9827	5.6	16.0	4.7	12.0	K170	2.7	9.0
NOV										
20...	1310	9827	9827	6.1	12.0	6.0	10.0	<10	--	9.5
DEC										
18...	1330	9827	9827	6.1	17.0	4.5	22.0	K930	1.1	8.0
JAN, 1985										
29...	1304	9827	9827	6.5	5.0	10.6	10.0	K80	.8	--
FEB										
26...	1327	9827	9827	5.8	14.0	--	20.0	780	2.6	25
MAR										
26...	1316	9827	9827	5.8	17.0	5.8	25.0	--	1.3	20
APR										
23...	1250	9827	9827	6.2	21.0	4.5	27.0	490	3.0	20
MAY										
21...	1300	9827	9827	6.3	21.0	--	22.0	210	--	20
JUN										
18...	1351	9827	9827	6.5	25.0	6.1	23.0	--	2.3	15
JUL										
30...	1332	9827	9827	6.3	--	5.3	--	K44	1.7	15
AUG										
20...	1318	9827	9827	6.6	28.0	5.4	30.0	K65	1.9	7.0
SEP										
17...	1321	9827	9827	--	--	--	--	K4	--	--

DATE	TIME	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, 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)
OCT, 1984									
23...	1345	30	12	16	106	8	.01	.050	.090
NOV									
20...	1310	20	9.0	39	146	10	.05	<.010	.110
DEC									
18...	1330	34	8.0	29	176	9	.03	.010	--
JAN, 1985									
29...	1304	28	8.0	41	122	11	.16	.070	.070
FEB									
26...	1327	32	11	--	105	14	.02	.040	.110
MAR									
26...	1316	16	11	10	85	8	.04	.030	--
APR									
23...	1250	24	12	17	93	22	.16	.090	.150
MAY									
21...	1300	24	8.0	22	109	27	.24	.040	.160
JUN									
18...	1351	24	6.0	34	133	24	.19	.090	.130
JUL									
30...	1332	26	12	19	--	--	.12	.020	.140
AUG									
20...	1318	34	8.0	45	127	10	.10	.010	.080

07349440 BODCAU CREEK NEAR LEWISVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
23...	1345	.050	--	1	2	24	--	--	60
NOV									
20...	1310	.080	<5	1	2	33	42	<5	40
DEC									
18...	1330	.050	--	1	<1	--	--	--	--
JAN, 1985									
29...	1304	.040	<5	<1	3	25	19	<5	40
FEB									
26...	1327	.040	--	<1	3	45	--	--	30
MAR									
26...	1316	.060	--	1	3	41	50	--	--
APR									
23...	1250	.080	2	1	2	34	39	<1	50
MAY									
21...	1300	.090	--	1	1	38	11	--	--
JUN									
18...	1351	.060	--	<1	<1	30	--	--	30
JUL									
30...	1332	.050	--	<1	<1	25	45	--	60
AUG									
20...	1318	.050	--	--	<1	<15	12	--	--

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)
JUL, 1985									
30...	1332	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07355825 PRAIRIE CREEK NEAR MENA, ARK.

LOCATION.--Lat 34°34'14", long 94°11'16", in NW 1/4 NE 1/4 sec.22, T.2 S., R.30 W., Polk County, Hydrologic Unit 08040101, on county road running between State Highways 8 and 88, 2 mi east of junction of county road and State Highway 8.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984									
16...	1020	9827	9827	6.8	19.0	8.5	25.0	<10	1.4
30...	0900	9827	9827	6.6	23.0	8.7	28.0	K68	1.6
NOV									
27...	0930	9827	9827	6.8	10.0	10.1	15.0	>600	3.4
JAN, 1985									
08...	0900	9827	9827	7.1	7.0	11.4	10.0	K24	.9
FEB									
26...	0905	9827	9827	6.8	11.0	10.7	18.0	110	.5
MAR									
05...	0910	9827	9827	7.1	12.0	10.8	15.0	K72	1.3
APR									
09...	0840	9827	9827	6.9	14.0	10.1	30.0	K4	1.3
MAY									
14...	1230	9827	9827	7.4	22.0	9.3	23.0	K1700	4.7
JUN									
11...	1210	9827	9827	7.2	24.0	8.1	28.0	K1500	4.4
JUL									
16...	1300	9827	9827	7.3	--	--	--	K910	--
AUG									
13...	1230	9827	9827	7.8	--	10.4	38.0	--	21
SEP									
15...	1100	9827	9827	--	--	--	--	K630	--

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984									
16...	1020	9.0	16	7.0	2.5	50	4	.16	<.010
30...	0900	9.0	20	4.0	3.0	36	4	.23	.050
NOV									
27...	0930	30	24	4.0	3.0	25	24	.19	3.00
JAN, 1985									
08...	0900	--	46	6.0	4.0	47	3	.29	.080
FEB									
26...	0905	15	24	4.0	5.5	48	8	.39	<.010
MAR									
05...	0910	6.0	30	--	3.5	60	4	.35	.060
APR									
09...	0840	5.0	22	5.0	3.0	44	6	.23	<.010
MAY									
14...	1230	30	26	10	6.5	--	36	--	.010
JUN									
11...	1210	55	28	10	65	78	54	.52	.130
JUL									
16...	1300	20	--	6.0	--	74	37	.22	<.010
AUG									
13...	1230	35	36	--	14	127	84	.42	<.010

07355825 PRAIRIE CREEK NEAR MENA, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1984								
16...	1020	.040	.040	<1	--	<10	<1	130
30...	0900	.050	--	<1	<1	<10	<1	120
NOV								
27...	0930	.070	.040	--	<1	<10	1	10
JAN, 1985								
08...	0900	.030	.020	<1	<1	<10	1	20
FEB								
26...	0905	--	--	<1	1	<10	2	20
MAR								
05...	0910	.040	.030	<1	<1	--	1	10
APR								
09...	0840	.020	.020	<1	1	<15	2	120
MAY								
14...	1230	.950	.710	<1	2	25	--	40
JUN								
11...	1210	1.08	.880	1	7	31	--	--
JUL								
16...	1300	1.15	.740	<1	<1	15	2	10
AUG								
13...	1230	3.80	2.90	<1	1	<15	--	<10

07356000 OUACHITA RIVER NEAR MOUNT IDA, ARK.

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 above 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.--Estimated daily discharges: Oct. 26 to Nov. 6. Water-discharge records good except for estimated daily discharges, which are fair. 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.--44 years, 725 ft^3/s, 525,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 102,000 ft^3/s Dec. 3, 1982, gage height, 39.78 ft, from flood-marks; 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 discharges greater than base discharge 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)
Oct. 25	1200	*36,000	*25.57	No other peaks greater than base discharge			

Minimum discharge, 25 ft^3/s Sept. 2, 3, gage height, 1.00 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	281	3200	1190	2770	674	1060	3590	1250	170	176	108	29
2	229	8000	986	2000	632	962	2510	1070	151	163	95	26
3	193	3400	821	1540	576	817	1810	821	136	170	68	26
4	167	2200	692	1250	536	793	1310	651	124	155	61	26
5	197	1500	817	1050	541	957	1080	537	115	143	85	26
6	908	1100	1190	907	552	765	922	449	116	130	82	27
7	2610	850	906	793	563	681	746	385	117	113	86	27
8	1510	799	807	693	606	628	626	352	139	102	77	28
9	937	687	734	618	652	581	537	317	133	93	64	68
10	695	612	669	818	940	531	473	280	124	89	63	130
11	630	520	602	876	1180	489	448	254	207	88	55	73
12	572	446	561	702	1030	460	429	236	181	88	49	58
13	877	395	562	635	901	421	379	225	153	80	46	53
14	1020	358	1120	608	790	2310	373	233	125	83	41	49
15	2930	537	1890	569	689	2180	378	228	111	71	37	48
16	2080	1220	1630	528	620	1430	335	206	104	65	36	47
17	4000	777	1570	542	559	1120	302	181	120	63	41	49
18	2780	4320	4730	505	500	904	275	164	3770	105	43	46
19	9930	4760	4500	452	535	754	253	154	1440	122	45	44
20	10400	2520	3660	405	694	2640	234	146	634	89	72	41
21	19000	1740	3920	354	623	6710	235	151	409	78	62	38
22	4460	1320	4710	326	838	5000	1210	257	639	106	57	36
23	3280	1080	2630	324	8170	2720	9320	264	3130	132	48	34
24	4380	916	1900	318	9900	1980	3220	221	1110	133	38	32
25	30000	815	1440	311	3450	1450	1810	179	707	96	33	36
26	8800	804	1150	293	2200	1160	1330	159	508	85	32	40
27	4600	5270	977	350	1570	1020	2230	149	381	92	31	43
28	2800	3230	893	821	1220	923	2960	168	300	86	30	41
29	2100	2080	812	764	---	786	1880	222	244	84	29	42
30	1500	1530	892	720	---	12400	1420	244	204	78	29	46
31	1100	---	1540	729	---	15500	---	205	---	132	28	---
TOTAL	124966	56986	50501	23571	41741	70132	42625	10358	15802	3290	1671	1309
MEAN	4031	1900	1629	760	1491	2262	1421	334	527	106	53.9	43.6
MAX	30000	8000	4730	2770	9900	15500	9320	1250	3770	176	108	130
MIN	167	358	561	293	500	421	234	146	104	63	28	26
CFSM	9.74	4.59	3.93	1.84	3.60	5.46	3.43	.81	1.27	.26	.13	.11
IN.	11.23	5.12	4.54	2.12	3.75	6.30	3.83	.93	1.42	.30	.15	.12
AC-FT	247900	113000	100200	46750	82790	139100	84550	20550	31340	6530	3310	2600

CAL YR 1984	TOTAL	393073	MEAN	1074	MAX	30000	MIN	20	CFSM	2.59	IN.	35.32	AC-FT	779700
WTR YR 1985	TOTAL	442952	MEAN	1214	MAX	30000	MIN	26	CFSM	2.93	IN.	39.80	AC-FT	878600

07356000 OUACHITA RIVER NEAR MOUNT IDA, ARK.--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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984											
16...	0900	9827	9827	2040	--	46	6.8	19.0	8.2	25.0	580
30...	0810	9827	9827	--	1500	37	6.6	23.0	8.7	25.0	K60
NOV											
27...	0830	9827	9827	6140	--	37	6.6	11.0	9.8	15.0	>600
JAN, 1985											
08...	0800	9827	9827	708	--	44	6.8	5.0	11.7	5.0	K32
FEB											
26...	0755	9827	9827	2320	--	38	6.6	10.0	10.6	15.0	160
MAR											
05...	0800	9827	9827	1060	--	--	6.8	11.0	10.5	14.0	K60
APR											
09...	0750	9827	9827	546	--	45	6.9	13.0	9.7	18.0	K20
30...	0820	9827	9827	1470	--	52	7.1	19.0	8.4	27.0	K100
MAY											
28...	0940	9827	9827	163	--	63	7.3	24.0	8.0	29.0	K20
JUL											
02...	0930	9827	9827	163	--	58	7.2	26.0	7.2	36.0	K4
AUG											
13...	0920	9827	9827	47	--	5	7.4	29.0	7.7	35.0	K24
27...	0905	9827	9827	31	--	72	7.4	25.0	7.2	31.0	K56

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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, 1984											
16...	0900	2.8	45	23	28	9.0	2.5	60	59	.29	.030
30...	0810	.9	15	8	20	5.0	2.5	40	10	.28	.050
NOV											
27...	0830	1.0	40	15	28	3.0	4.0	24	62	.19	.050
JAN, 1985											
08...	0800	.6	--	4	22	5.0	3.5	27	5	.24	.070
FEB											
26...	0755	.7	20	--	20	<3.0	3.5	38	14	.35	.010
MAR											
05...	0800	1.3	15	3	16	--	6.0	47	6	.31	.050
APR											
09...	0750	.5	7.6	4	18	6.0	2.0	36	6	.25	<.010
30...	0820	.3	15	8	16	--	2.5	35	6	.19	.020
MAY											
28...	0940	1.4	3.0	6	32	5.0	2.0	46	4	.02	.010
JUL											
02...	0930	1.4	--	5	24	7.0	2.0	51	2	.04	<.010
AUG											
13...	0920	1.2	2.0	73	28	8.0	2.5	48	2	.02	.010
27...	0905	1.1	2.0	7	32	8.0	2.0	58	3	.05	<.010

07356000 OUACHITA RIVER NEAR MOUNT IDA, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1984											
16...	0900	--	<.10	--	.120	.060	--	<1	--	<10	3
30...	0810	--	<.10	--	.050	--	--	<1	<1	<10	<1
NOV											
27...	0830	.05	.10	.29	.100	.040	<5	--	3	<10	2
JAN, 1985											
08...	0800	.03	.10	.34	.040	.020	<5	<1	1	<10	<1
FEB											
26...	0755	.29	.30	.65	.080	--	--	<1	4	<10	1
MAR											
05...	0800	--	<.10	--	.040	.030	--	<1	<1	--	1
APR											
09...	0750	--	.20	.45	.030	.020	2	<1	<1	<15	1
30...	0820	.08	.10	.29	.060	.030	--	<1	2	<15	<1
MAY											
28...	0940	--	--	--	.050	.030	--	<1	2	<15	<1
JUL											
02...	0930	--	<.10	--	.010	.010	<1	<1	<1	<15	1
AUG											
13...	0920	.69	.70	.72	.040	.030	--	<1	<1	<15	<1
27...	0905	--	2.2	2.3	.030	.010	--	<1	<1	<15	<1

DATE	TIME	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984											
16...	0900	--	20	--	--	--	--	--	--	--	--
30...	0810	--	20	--	--	--	--	--	--	--	--
NOV											
27...	0830	<5	20	--	--	--	--	--	--	--	--
JAN, 1985											
08...	0800	<5	<10	--	--	--	--	--	--	--	--
FEB											
26...	0755	--	10	--	--	--	--	--	--	--	--
MAR											
05...	0800	--	50	--	--	--	--	--	--	--	--
APR											
09...	0750	<1	10	--	--	--	--	--	--	--	--
JUL											
02...	0930	<1	10	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
AUG											
13...	0920	--	<10	--	--	--	--	--	--	--	--
27...	0905	--	<10	--	--	--	--	--	--	--	--

07358501 OUACHITA RIVER AT CARPENTER DAM, NEAR HOT SPRINGS, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STAND-ARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
30...	1500	9827	9827	9150	6.8	18.0	8.2	35.0	K36
APR, 1985									
09...	1530	9827	9827	6780	7.1	13.0	9.6	30.0	<10
30...	1415	9827	9827	8640	7.1	15.0	8.7	27.0	K80
MAY									
28...	1530	9827	9827	5080	6.9	15.0	8.2	28.0	K4
JUL									
02...	1545	9827	9827	3900	6.9	19.0	5.3	36.0	84
AUG									
13...	1615	9827	9827	4910	7.0	19.0	5.9	37.0	K20
27...	1540	9827	9827	3730	6.9	19.0	6.0	36.0	<4

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
30...	1500	.9	6.0	24	5.0	2.5	33	4	.16
APR, 1985									
09...	1530	.5	3.6	20	6.0	2.0	41	3	.14
30...	1415	1.3	8.0	20	--	2.5	35	6	.14
MAY									
28...	1530	1.4	70	18	5.0	2.5	51	81	.14
JUL									
02...	1545	1.7	2.0	12	8.0	2.0	42	3	.14
AUG									
13...	1615	2.1	3.0	30	8.0	2.5	42	2	.15
27...	1540	2.3	3.0	22	8.0	2.5	47	7	.15

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
30...	1500	.060	.030	--	<1	<1	<10	<1	10
APR, 1985									
09...	1530	.010	.030	.030	<1	<1	<15	<1	<10
30...	1415	.020	.030	.010	1	<1	<15	1	--
MAY									
28...	1530	.030	.130	.040	<1	<1	<15	4	--
JUL									
02...	1545	<.010	.020	.030	<1	<1	<15	4	60
AUG									
13...	1615	.010	.030	.020	<1	<1	<15	<1	50
27...	1540	.060	.040	.010	<1	<1	<15	<1	60

07359500 OUACHITA RIVER NEAR MALVERN, ARK.

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: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 228.05 ft above 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, nonrecording 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.--Estimated daily discharges: Jan. 18-22 and Jan. 30 to Mar. 26. Water-discharge records good except for estimated daily discharges Jan. 30 to Mar. 26, which are 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. U.S. Army Corps of Engineers satellite telemeter at station.

AVERAGE DISCHARGE.--58 years (1925-26, 1928-85), 2,412 ft^3/s, 1,747,000 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, 42,300 ft^3/s Oct. 19, gage height, 19.16 ft; minimum, 57 ft^3/s Oct. 2, gage height, 0.60 ft; minimum daily, 300 ft^3/s Feb. 17, 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	989	7970	7790	8690	3500	7500	7670	8720	703	709	3310	519
2	520	8850	7090	8520	3500	4700	8450	7550	786	775	2920	481
3	604	9880	6990	7440	3500	3200	3630	7890	867	1390	2890	748
4	871	10500	7820	6160	3500	3900	7910	7860	1320	525	2870	4660
5	2060	10500	8070	3690	3500	3300	7710	6560	671	618	2690	849
6	1850	10400	6560	3560	3500	3300	6930	6400	652	1090	3110	772
7	4350	11100	7380	3480	3500	410	6990	4440	549	1110	3210	505
8	2570	11400	7960	3470	3500	470	6750	4410	688	1870	3310	615
9	3200	10000	6990	3460	3500	790	7630	4390	545	1820	3290	464
10	3600	11600	6980	3480	3500	870	6400	4370	566	1790	3360	502
11	712	11100	6990	3460	3500	1200	7750	4360	681	1240	3070	482
12	1990	11500	7900	3450	3500	1400	6490	4110	521	1890	3130	479
13	3200	10800	6890	3460	3500	1400	5700	4210	499	1670	3390	453
14	2610	10400	8790	3460	3500	3000	3950	3530	505	1330	3870	486
15	10900	10300	9810	3460	3500	3200	4210	3770	514	1600	3120	394
16	4520	10100	8870	3470	700	3300	4600	3060	482	980	1820	573
17	4820	8660	7220	3480	300	3300	4600	2600	596	1580	3090	444
18	4370	8310	10100	3500	400	3700	4540	2820	2360	1970	3100	753
19	26500	8710	9940	3500	710	670	4640	1030	524	1580	3110	812
20	12400	8730	9240	3500	310	5100	4680	2450	496	3080	816	748
21	14700	7270	9250	3600	300	13000	4680	2900	477	2820	445	461
22	8940	7050	8250	3700	790	9400	7450	1050	494	3100	462	442
23	9910	7070	7850	3650	23000	8800	21200	782	557	2930	461	456
24	7890	7120	6890	3650	10000	7700	12400	732	563	3560	456	436
25	9140	8220	6960	3640	5300	8000	9020	740	913	3590	468	438
26	9810	8210	7490	3630	5100	8600	8850	582	947	3470	450	438
27	8910	17500	7040	3370	5300	8700	12000	577	1360	3580	486	440
28	9610	10600	6990	3550	6100	7910	10000	2330	675	996	449	437
29	9150	8810	7010	3530	---	8580	9610	2610	478	1980	443	528
30	9480	8860	6900	3500	---	7520	8430	535	443	2110	467	464
31	9010	---	7100	3900	---	9950	---	921	---	2870	460	---
TOTAL	199186	291520	241110	126410	110810	152870	224870	108289	21432	59623	64523	20279
MEAN	6425	9717	7778	4078	3958	4931	7496	3493	714	1923	2081	676
MAX	26500	17500	10100	8690	23000	13000	21200	8720	2360	3590	3870	4660
MIN	520	7050	6560	3370	300	410	3630	535	443	525	443	394
AC-FT	395100	578200	478200	250700	219800	303200	446000	214800	42510	118300	128000	40220

CAL YR 1984	TOTAL	1351963	MEAN	3694	MAX	26500	MIN	397	AC-FT	2682000
WTR YR 1985	TOTAL	1620922	MEAN	4441	MAX	26500	MIN	300	AC-FT	3215000

07359500 OUACHITA RIVER NEAR MALVERN, ARK.--CONTINUED

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1947-50, 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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984											
30...	1415	9827	9827	9030	--	54	7.0	18.0	8.7	35.0	120
NOV											
27...	1530	9827	9827	16000	--	57	6.7	11.0	10.8	12.0	340
JAN, 1985											
08...	1500	9827	9827	3450	--	89	6.8	10.0	10.4	16.0	K72
FEB											
26...	1500	9827	9827	--	5000	67	7.1	10.0	11.3	24.0	390
MAR											
05...	1450	9827	9827	--	3300	--	7.0	10.0	11.4	25.0	K28
APR											
09...	1500	9827	9827	8280	--	56	6.9	14.0	10.4	30.0	K12
JUL											
02...	1520	9827	9827	76	--	122	7.0	25.0	8.8	36.0	<4
AUG											
13...	1520	9827	9827	3540	--	109	7.4	22.0	7.6	37.0	K12
27...	1500	9827	9827	78	--	79	7.2	25.0	8.3	36.0	K8

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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, 1984											
30...	1415	3.8	8.0	8	20	7.0	2.5	44	10	.17	.090
NOV											
27...	1530	4.0	20	18	20	6.0	3.5	24	24	.15	.110
JAN, 1985											
08...	1500	1.5	--	12	26	11	85	53	9	.23	.400
FEB											
26...	1500	1.1	25	--	24	9.0	5.5	55	16	.15	.030
MAR											
05...	1450	1.7	8.5	7	24	--	14	77	10	.23	.600
APR											
09...	1500	1.3	5.4	11	28	8.0	2.5	32	8	.15	<.010
JUL											
02...	1520	2.4	3.0	8	30	16	13	71	3	.48	.150
AUG											
13...	1520	1.9	3.0	10	32	11	8.0	60	6	.29	.170
27...	1500	2.3	2.0	9	24	8.0	5.0	51	2	.15	<.010

07359500 OUACHITA RIVER NEAR MALVERN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1984											
30...	1415	.11	.20	.37	.050	--	--	<1	<1	<10	<1
NOV											
27...	1530	.19	.30	.45	.070	.040	<5	--	4	10	13
JAN, 1985											
08...	1500	.30	.70	.93	.040	.030	<5	<1	3	13	2
FEB											
26...	1500	.07	.10	.25	--	--	--	<1	8	<10	4
MAR											
05...	1450	--	<.10	--	.060	.060	--	<1	1	--	4
APR											
09...	1500	--	--	--	.030	.030	2	1	<1	<15	1
JUL											
02...	1520	.05	.20	.68	.030	.020	<1	<1	<1	5	1
AUG											
13...	1520	.63	.80	1.1	.060	.050	--	1	4	5	1
27...	1500	--	<.10	--	.050	.030	--	<1	1	<15	<1

DATE	TIME	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984											
30...	1415	--	50	<.002	<.002	<4.0	<.002	<.002	<.01	<.01	<1
NOV											
27...	1530	<5	240	--	--	--	--	--	--	--	--
JAN, 1985											
08...	1500	<5	110	--	--	--	--	--	--	--	--
FEB											
26...	1500	--	160	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
MAR											
05...	1450	--	130	--	--	--	--	--	--	--	--
APR											
09...	1500	<1	90	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
JUL											
02...	1520	<1	80	--	--	--	--	--	--	--	--
AUG											
13...	1520	--	80	--	--	--	--	--	--	--	--
27...	1500	--	<10	--	--	--	--	--	--	--	--

07359580 OUACHITA RIVER NEAR DONALDSON, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
16...	1530	9827	9827	9110	7.0	21.0	8.0	33.0	570
30...	1345	9827	9827	11900	6.7	17.0	8.6	35.0	K840
NOV									
27...	1505	9827	9827	17200	6.6	12.0	9.9	12.0	710
JAN, 1985									
08...	1425	9827	9827	3740	7.0	10.0	10.4	16.0	K28
FEB									
26...	1430	9827	9827	7500	6.7	10.0	10.9	24.0	110
MAR									
05...	1415	9827	9827	4890	6.8	11.0	11.1	25.0	K28
APR									
09...	1425	9827	9827	6760	7.0	14.0	10.3	30.0	K8
30...	1320	9827	9827	12000	7.1	16.0	9.1	27.0	280
MAY									
28...	1435	9827	9827	1460	6.8	--	7.4	32.0	80
JUL									
02...	1440	9827	9827	657	7.0	26.0	7.7	36.0	K12
AUG									
13...	1430	9827	9827	2920	7.0	22.0	7.4	37.0	K20
27...	1430	9827	9827	278	7.3	26.0	8.6	36.0	K4

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
16...	1530	2.0	10	28	9.0	2.5	45	13	.16
30...	1345	1.5	9.0	24	5.0	2.5	40	10	.17
NOV									
27...	1505	3.0	30	20	5.0	3.5	24	28	.14
JAN, 1985									
08...	1425	.7	--	34	10	7.0	50	5	.28
FEB									
26...	1430	.8	20	20	6.0	6.0	46	16	.19
MAR									
05...	1415	1.5	15	26	--	8.5	62	10	.26
APR									
09...	1425	1.4	6.0	24	6.0	2.5	37	9	.13
30...	1320	1.3	15	18	--	5.5	53	9	.21
MAY									
28...	1435	1.5	5.0	30	21	17	102	5	1.0
JUL									
02...	1440	1.8	3.0	28	14	12	76	4	.43
AUG									
13...	1430	3.4	4.0	34	13	11	65	8	.48
27...	1430	2.9	2.0	26	8.0	5.0	52	1	.16

07359580 OUACHITA RIVER NEAR DONALDSON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
16...	1530	.050	.060	.050	<1	--	<10	<1	10
30...	1345	.060	.040	--	<1	<1	<10	<1	20
NOV									
27...	1505	.100	.070	.040	--	<1	<10	2	10
JAN, 1985									
08...	1425	.290	.050	.020	<1	<1	<10	<1	10
FEB									
26...	1430	.020	--	--	<1	2	38	2	30
MAR									
05...	1415	.300	.060	.040	<1	<1	--	1	20
APR									
09...	1425	<.010	.050	.010	<1	<1	<15	1	<20
30...	1320	.170	.060	.020	<1	<1	<15	<1	--
MAY									
28...	1435	.290	.070	.040	<1	<1	<15	<1	--
JUL									
02...	1440	.060	.030	.040	<1	<1	<15	2	50
AUG									
13...	1430	.260	.050	.030	<1	<1	<15	<1	30
27...	1430	<.010	.050	.020	<1	<1	<15	<1	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)
AUG, 1985									
27...	1430	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07359653 SOUTH FORK CADDO RIVER AT FANCY HILL, ARK.

LOCATION.--Lat 34°22'00", long 93°46'08", in NE 1/4 SE 1/4 sec.27, T.4 S., R.26 W., Montgomery County, Hydrologic Unit 08040102, at bridge on county road at Fancy Hill, Ark., and 600 ft above confluence with the Caddo River.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984									
16...	1130	9827	9827	6.0	19.0	9.0	25.0	K150	1.8
30...	1000	9827	9827	4.8	23.0	9.2	28.0	--	1.0
NOV									
27...	1115	9827	9827	5.9	13.0	10.2	15.0	K16	1.2
JAN, 1985									
08...	1015	9827	9827	6.5	7.0	11.6	12.0	<4	.4
FEB									
26...	1010	9827	9827	4.8	11.0	10.7	18.0	<4	.2
MAR									
05...	1020	9827	9827	6.7	10.0	11.4	15.0	K4	1.0
APR									
09...	1000	9827	9827	6.6	13.0	10.1	22.0	K16	.5
30...	0920	9827	9827	5.2	18.0	9.1	27.0	<20	.3
MAY									
28...	1030	9827	9827	6.9	22.0	9.0	27.0	100	.6
JUL									
02...	1035	9827	9827	7.0	24.0	8.7	31.0	200	1.4
AUG									
13...	1030	9827	9827	7.1	24.0	8.6	34.0	K16	1.2
27...	1000	9827	9827	6.9	22.0	8.5	31.0	K8	.4

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984									
16...	1130	6.0	26	25	2.0	60	7	.12	<.010
30...	1000	5.0	30	32	2.5	53	4	.12	.050
NOV									
27...	1115	7.4	16	6.0	2.0	18	2	.08	.010
JAN, 1985									
08...	1015	--	30	23	4.0	45	3	.10	.080
FEB									
26...	1010	6.0	32	44	5.5	70	12	.14	<.010
MAR									
05...	1020	2.5	42	--	3.5	91	2	.15	.050
APR									
09...	1000	2.8	34	29	1.5	67	2	.10	<.010
30...	0920	6.0	22	--	2.5	45	5	.12	<.010
MAY									
28...	1030	1.0	56	32	3.0	78	<1	.04	<.010
JUL									
02...	1035	1.0	60	44	2.5	99	2	.11	<.010
AUG									
13...	1030	2.0	62	53	2.0	105	1	.10	<.010
27...	1000	1.0	26	16	2.0	53	<1	.09	<.010

07359653 SOUTH FORK CADDO RIVER AT FANCY HILL, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)
OCT, 1984									
16...	1130	.020	.020	1	--	24	<1	100	--
30...	1000	.010	--	2	<1	83	<1	160	--
NOV									
27...	1115	.010	.010	--	<1	<10	<1	20	--
JAN, 1985									
08...	1015	.020	.010	1	<1	22	1	60	--
FEB									
26...	1010	--	--	2	1	59	1	160	--
MAR									
05...	1020	.020	.010	1	2	--	2	80	--
APR									
09...	1000	.010	.010	1	<1	<15	<1	50	--
30...	0920	.010	<.010	2	<1	47	<1	--	--
MAY									
28...	1030	.030	.020	<1	7	<15	1	--	--
JUL									
02...	1035	<.010	.020	<1	1	<15	<1	30	<.001
AUG									
13...	1030	.020	.020	<1	<1	<15	1	<10	--
27...	1000	.010	.010	<1	<1	<15	1	<10	--

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)
JUL, 1985								
02...	1035	<1.0	<.002	<.001	<.001	<.01	<.01	<1

07359770 CADDO RIVER NEAR AMITY, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
30...	1300	9827	9827	1120	7.0	20.0	8.8	34.0	530
NOV									
27...	1415	9827	9827	3900	6.9	11.0	9.9	17.0	K480
JAN, 1985									
08...	1330	9827	9827	--	7.2	9.0	12.1	20.0	K12
FEB									
26...	1335	9827	9827	--	6.9	12.0	10.7	24.0	K56
MAR									
05...	1315	9827	9827	440	7.3	13.0	11.4	25.0	84
APR									
09...	1330	9827	9827	370	8.0	15.0	12.0	31.0	<4
30...	1220	9827	9827	925	7.2	19.0	8.8	25.0	K180
MAY									
28...	1330	9827	9827	225	7.8	24.0	9.6	32.0	>600
JUL									
02...	1340	9827	9827	170	7.8	27.0	9.5	36.0	K12
AUG									
13...	1400	9827	9827	60	8.0	31.0	8.2	39.0	K20
27...	1330	9827	9827	48	7.8	27.0	8.7	36.0	<4

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
30...	1300	1.2	10	30	6.0	2.5	49	6	.33
NOV									
27...	1415	1.3	20	28	5.0	3.0	26	12	.21
JAN, 1985									
08...	1330	1.2	--	40	7.0	4.0	51	3	.22
FEB									
26...	1335	.9	15	22	6.0	6.5	55	12	.37
MAR									
05...	1315	1.6	15	18	--	6.0	64	8	.33
APR									
09...	1330	1.0	3.5	34	8.0	2.0	56	4	.06
30...	1220	.8	9.0	28	--	3.5	46	8	.25
MAY									
28...	1330	1.9	4.0	50	6.0	3.5	70	6	.02
JUL									
02...	1340	1.5	2.0	46	10	2.0	67	2	.05
AUG									
13...	1400	3.0	2.0	52	10	2.0	76	4	.01
27...	1330	2.3	2.0	54	9.0	2.0	82	2	.04

07359770 CADDO RIVER NEAR AMITY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
30...	1300	.060	.040	--	<1	3	<10	<1	60
NOV									
27...	1415	.060	.050	.040	--	<1	<10	<1	10
JAN, 1985									
08...	1330	.070	.040	.020	<1	<1	<10	1	80
FEB									
26...	1335	.010	--	--	<1	3	<10	2	100
MAR									
05...	1315	.050	.040	.030	<1	<1	--	2	50
APR									
09...	1330	<.010	.030	.010	<1	<1	<15	1	40
30...	1220	<.010	.050	.020	<1	<1	<15	1	--
MAY									
28...	1330	<.010	.050	.010	<1	<1	<15	1	--
JUL									
02...	1340	<.010	.020	.070	<1	<1	<15	2	60
AUG									
13...	1400	<.010	.050	.030	<1	<1	<15	<1	30
27...	1330	<.010	.050	.020	<1	<1	<15	<1	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)
AUG, 1985									
27...	1330	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07360200 LITTLE MISSOURI RIVER NEAR LANGLEY, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984										
16...	1241	9827	9827	360	6.7	19.0	9.0	30.0	K60	1.2
30...	1100	9827	9827	390	6.6	17.0	9.4	30.0	K36	1.0
NOV										
27...	1220	9827	9827	1200	6.2	10.0	10.5	15.0	120	1.0
JAN, 1985										
08...	1130	9827	9827	690	6.7	7.0	12.0	12.0	K56	.3
FEB										
26...	1045	9827	9827	82	6.9	11.0	11.1	23.0	<4	.5
MAR										
05...	1210	9827	9827	130	6.8	11.0	11.5	20.0	<4	1.3
APR										
09...	1100	9827	9827	115	6.9	13.0	10.5	22.0	K4	1.2
30...	1030	9827	9827	38	6.8	16.0	9.6	25.0	K30	.5
MAY										
28...	1145	9827	9827	57	7.0	23.0	8.9	29.0	K24	.7
JUL										
02...	1130	9827	9827	30	7.3	25.0	8.9	33.0	K8	1.4
AUG										
13...	1300	9827	9827	21	7.5	29.0	8.4	37.0	K20	2.9
27...	1130	9827	9827	16	7.6	25.0	8.0	31.0	K16	.2

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, 1984										
16...	1241	6.0	16	7.0	2.0	32	2	.08	<.010	--
30...	1100	5.0	12	4.0	2.5	26	<1	.10	.050	--
NOV										
27...	1220	8.5	12	4.0	2.0	15	5	.06	.020	--
JAN, 1985										
08...	1130	--	16	5.0	2.5	20	<1	.08	.080	.62
FEB										
26...	1045	4.6	12	<3.0	5.5	35	2	.09	.010	--
MAR										
05...	1210	2.5	12	--	4.0	36	2	.09	.040	--
APR										
09...	1100	2.2	16	6.0	1.5	15	1	.07	<.010	--
30...	1030	4.0	12	--	2.5	23	<1	.09	.010	--
MAY										
28...	1145	2.0	22	4.0	2.5	42	<1	.02	<.010	--
JUL										
02...	1130	3.0	22	7.0	2.5	41	1	.05	<.010	--
AUG										
13...	1300	2.0	30	6.0	2.5	39	2	.03	.070	--
27...	1130	1.0	26	7.0	1.5	48	<1	.06	<.010	--

07360200 LITTLE MISSOURI RIVER NEAR LANGLEY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984										
16...	1241	--	--	.020	.020	<1	--	<10	<1	<10
30...	1100	--	--	.020	--	<1	<1	<10	<1	<10
NOV										
27...	1220	--	--	.020	.010	--	<1	<10	<1	10
JAN, 1985										
08...	1130	.70	.78	.030	.010	<1	1	<10	<1	<10
FEB										
26...	1045	--	--	--	--	<1	3	<10	<1	<10
MAR										
05...	1210	--	--	.020	.020	<1	<1	--	1	20
APR										
09...	1100	--	--	.020	.010	<1	<1	<15	<1	<10
30...	1030	--	--	.020	.010	<1	<1	<15	<1	--
MAY										
28...	1145	--	--	.040	.020	<15	<1	--	--	--
JUL										
02...	1130	--	--	<.010	<.010	1	<1	<15	1	60
AUG										
13...	1300	--	--	.030	.030	1	<1	<15	<1	50
27...	1130	--	--	.010	.010	<1	<1	<15	<1	<10

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)
AUG, 1985									
13...	1300	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07361022 PRAIRIE CREEK AT MURFREESBORO, ARK.

LOCATION.--Lat 34°04'02", long 93°40'58", in NE 1/4 SE 1/4 sec.8, T.8 S., R.25 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 27, 0.3 mi east of City Park, and 0.5 mi upstream form confluence with Spring Creek.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)
OCT, 1984											
16...	1330	9827	9827	42	6.7	21.0	8.1	30.0	K50	1.9	15
30...	1140	9827	9827	41	6.5	21.0	8.7	34.0	88	1.6	9.0
NOV											
27...	1305	9827	9827	32	5.9	12.0	9.7	15.0	K910	1.8	20
JAN, 1985											
08...	1225	9827	9827	40	6.5	8.0	12.7	12.0	K8	1.6	--
FEB											
26...	1240	9827	9827	36	6.4	12.0	10.7	22.0	K60	1.5	15
MAR											
05...	1100	9827	9827	--	6.5	12.0	11.0	20.0	88	1.7	20
APR											
09...	1225	9827	9827	38	6.7	15.0	10.4	25.0	K20	.9	6.2
30...	1120	9827	9827	34	6.7	19.0	8.8	25.0	K110	1.0	15
MAY											
28...	1230	9827	9827	44	6.6	23.0	7.9	34.0	K60	1.9	5.0
JUL											
02...	1230	9827	9827	59	6.8	25.0	6.6	32.0	K48	1.9	4.0
AUG											
13...	1140	9827	9827	66	6.9	28.0	6.1	37.0	K40	3.7	3.0
27...	1230	9827	9827	101	7.1	25.0	6.8	32.0	K8	1.9	4.0

DATE	TIME	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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)
OCT, 1984											
16...	1330	17	14	9.0	4.0	52	8	.22	<.010	--	<.10
30...	1140	10	--	5.0	--	36	4	.21	.060	.14	.20
NOV											
27...	1305	30	18	5.0	3.5	25	14	.30	.070	--	<.10
JAN, 1985											
08...	1225	4	16	6.0	4.5	35	2	.28	.080	--	<.10
FEB											
26...	1240	--	16	3.0	5.5	39	8	.41	.040	.06	.10
MAR											
05...	1100	9	14	--	6.0	49	7	.32	.040	--	<.10
APR											
09...	1225	6	12	5.0	3.0	28	6	.24	<.010	--	.20
30...	1120	8	20	--	4.0	40	4	.23	.010	--	<.10
MAY											
28...	1230	7	18	4.0	5.0	43	2	.26	<.010	--	--
JUL											
02...	1230	5	22	7.0	5.0	43	6	.39	.040	.06	.10
AUG											
13...	1140	13	30	8.0	6.0	51	4	.05	.010	.89	.90
27...	1230	7	26	7.0	5.0	53	6	.09	<.010	--	.10

07361022 PRAIRIE CREEK AT MURFREESBORO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITROGEN, TOTAL (MG/L AS N) (00600)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	SELENIUM, TOTAL (UG/L AS SE) (01147)
OCT, 1984										
16...	1330	--	.060	.040	--	1	--	<10	2	--
30...	1140	.41	.080	--	--	<1	<1	<10	<1	--
NOV										
27...	1305	--	.060	.040	<5	--	<1	<10	2	<5
JAN, 1985										
08...	1225	--	.030	.010	5	<1	<1	11	2	<5
FEB										
26...	1240	.51	--	--	--	<1	2	<10	2	--
MAR										
05...	1100	--	.050	.030	--	<1	<1	--	2	--
APR										
09...	1225	.44	.050	.010	2	<1	<1	<15	4	1
30...	1120	--	.040	.010	--	1	1	<15	1	--
MAY										
28...	1230	--	.050	.020	--	<1	<1	<15	1	--
JUL										
02...	1230	.49	.020	.020	<1	<1	<1	<15	3	<1
AUG										
13...	1140	.95	.070	.030	--	<1	<1	<15	<1	--
27...	1230	.19	.050	.010	--	<1	<1	<15	<1	--

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984										
16...	1330	600	--	--	--	--	--	--	--	--
30...	1140	190	--	--	--	--	--	--	--	--
NOV										
27...	1305	140	--	--	--	--	--	--	--	--
JAN, 1985										
08...	1225	80	--	--	--	--	--	--	--	--
FEB										
26...	1240	150	--	--	--	--	--	--	--	--
MAR										
05...	1100	80	--	--	--	--	--	--	--	--
APR										
09...	1225	110	--	--	--	--	--	--	--	--
JUL										
02...	1230	50	--	--	--	--	--	--	--	--
AUG										
13...	1140	80	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
27...	1230	50	--	--	--	--	--	--	--	--

07361025 PRAIRIE CREEK NEAR MURFREESBORO, ARK.

LOCATION.--Lat 34°02'34", long 93°41'02", in SE 1/4 NE 1/4 sec.20, T.8 S., R.25 W., Pike County, Hydrologic Unit 08040103, at bridge on State Highway 301, 0.3 mi northwest of Crater of Diamonds State Park, and 1.0 mi above confluence with Little Missouri River.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984										
16...	1345	9827	9827	50	6.8	21.0	8.3	30.0	K150	2.3
30...	1000	9827	9827	46	6.7	21.0	8.3	34.0	K200	2.6
NOV										
27...	1325	9827	9827	39	6.2	12.0	9.6	15.0	K800	2.3
JAN, 1985										
08...	1245	9827	9827	51	6.8	7.0	12.2	12.0	K12	--
FEB										
26...	1255	9827	9827	--	6.5	12.0	10.5	22.0	K200	1.1
MAR										
05...	1115	9827	9827	--	6.8	11.0	10.8	20.0	K180	1.5
APR										
09...	1245	9827	9827	50	6.9	15.0	11.3	25.0	K8	1.0
30...	1135	9827	9827	45	6.8	19.0	8.5	25.0	<20	1.1
MAY										
28...	1245	9827	9827	74	7.2	23.0	8.9	34.0	--	4.3
JUL										
02...	1255	9827	9827	121	7.3	25.0	7.4	32.0	K52	3.0
AUG										
13...	1200	9827	9827	123	7.6	29.0	6.7	31.0	K36	2.4
27...	1245	9827	9827	127	7.4	25.0	6.4	32.0	K28	3.8

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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, 1984										
16...	1345	15	18	18	9.0	3.5	66	7	.21	.030
30...	1000	15	12	20	4.0	3.5	43	5	.23	.100
NOV										
27...	1325	30	29	18	5.0	4.5	29	20	.28	.110
JAN, 1985										
08...	1245	--	16	30	7.0	5.0	39	3	.29	.150
FEB										
26...	1255	20	--	16	--	6.5	51	8	.41	.150
MAR										
05...	1115	20	12	20	--	6.0	56	8	.32	.160
APR										
09...	1245	6.2	8	20	6.0	3.0	34	4	.21	<.010
30...	1135	15	11	18	--	4.5	47	4	.26	.030
MAY										
28...	1245	15	21	30	6.0	5.0	64	16	.26	<.010
JUL										
02...	1255	20	12	44	8.0	6.0	81	14	.14	.080
AUG										
13...	1200	5.0	13	56	9.0	5.0	80	8	.01	<.010
27...	1245	6.0	9	54	8.0	5.0	80	8	.04	<.010

07361025 PRAIRIE CREEK NEAR MURFREESBORO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
OCT, 1984										
16...	1345	--	--	--	.110	.110	<1	--	<10	<1
30...	1000	--	<.10	--	.120	--	<1	<1	<10	<1
NOV										
27...	1325	.09	.20	.48	.080	.060	--	<1	<10	2
JAN, 1985										
08...	1245	.25	.40	.69	.070	.050	<1	<1	14	4
FEB										
26...	1255	.15	.30	.71	--	--	<1	3	<10	2
MAR										
05...	1115	--	<.10	--	.090	.060	<1	<1	--	2
APR										
09...	1245	--	.30	.51	.040	.030	<1	<1	<15	<1
30...	1135	.27	.30	.56	.110	.080	1	1	<15	1
MAY										
28...	1245	--	--	--	.310	.200	<1	<1	<15	1
JUL										
02...	1255	.92	1.0	1.1	.290	.160	<1	<1	22	2
AUG										
13...	1200	--	.50	.51	.130	.070	<1	3	<15	3
27...	1245	--	.20	.24	.110	.060	<1	1	<15	<1

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984										
16...	1345	120	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
30...	1000	50	--	--	--	--	--	--	--	--
NOV										
27...	1325	80	--	--	--	--	--	--	--	--
JAN, 1985										
08...	1245	70	--	--	--	--	--	--	--	--
FEB										
26...	1255	70	--	--	--	--	--	--	--	--
MAR										
05...	1115	70	--	--	--	--	--	--	--	--
APR										
09...	1245	30	--	--	--	--	--	--	--	--
JUL										
02...	1255	60	--	--	--	--	--	--	--	--
AUG										
13...	1200	50	<.001	<.010	<.002	<.001	<.001	<.01	<.01	<1
27...	1245	40	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07361500 ANTOINE RIVER AT ANTOINE, ARK.

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 U.S. Army 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 above National Geodetic Vertical Datum of 1929. Prior to Oct. 22, 1954, at site 75 ft upstream at present datum.

REMARKS.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--31 years, 277 ft^3/s, 21.13 in/yr, 200,700 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 discharges greater than base discharge of 6,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 21	0230	6,580	18.01	Feb. 23	1730	*13,100	*22.19
Nov. 27	0430	9,920	20.74	Apr. 27	1800	7,420	18.93

No flow Sept. 19-25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	573	481	725	411	477	498	663	29	1.8	28	.33
2	14	1090	380	437	370	430	378	415	22	2.4	25	.22
3	13	646	307	371	349	341	303	304	18	3.5	26	.34
4	12	509	262	318	349	348	259	239	16	4.8	14	.66
5	15	412	561	279	459	319	238	201	13	5.0	13	.61
6	28	338	848	255	587	262	215	169	11	4.8	23	.54
7	429	298	522	241	575	247	182	136	11	4.4	35	.54
8	269	276	432	223	519	237	150	117	8.7	4.0	19	.55
9	177	261	363	207	490	223	129	98	7.4	3.9	12	.63
10	245	307	313	263	537	208	114	79	6.3	3.5	8.2	.67
11	251	272	271	238	500	200	104	71	5.6	3.2	7.7	.62
12	241	240	255	203	400	225	97	65	4.8	4.2	5.5	.46
13	433	224	256	194	347	202	89	61	3.9	3.8	4.0	.35
14	331	214	857	193	302	643	98	64	3.2	3.4	3.2	.23
15	2910	214	615	186	270	551	83	67	2.7	2.8	2.9	.18
16	771	291	501	199	252	393	70	52	2.4	4.2	2.4	.13
17	552	242	428	315	236	313	60	39	2.0	4.4	2.5	.07
18	383	530	2570	257	215	264	53	32	4.8	4.9	2.2	.04
19	2320	756	1840	240	213	237	46	28	3.7	3.7	1.9	.00
20	1690	518	1170	222	232	1830	42	25	2.6	4.3	1.8	.00
21	3630	408	909	201	208	3420	38	38	3.9	3.5	1.6	.00
22	1210	347	753	194	374	1680	172	50	5.7	3.6	1.3	.00
23	1050	307	536	199	6360	995	2890	57	4.7	8.9	1.3	.00
24	1030	282	457	197	4430	680	1430	50	3.3	8.3	1.6	.00
25	1880	275	376	187	1350	471	719	34	2.5	5.1	1.7	.00
26	1590	824	309	169	884	362	909	27	2.0	4.3	1.3	.01
27	997	5930	277	300	629	548	4450	24	1.7	4.3	1.2	.02
28	1070	1560	262	809	473	472	2510	27	1.4	3.0	1.2	.04
29	1140	950	249	518	---	359	1030	34	1.4	2.1	.97	.09
30	727	667	270	448	---	341	707	53	1.5	1.6	.77	.27
31	550	---	309	515	---	896	---	40	---	21	.57	---
TOTAL	25974	19761	17939	9303	22321	18174	18063	3359	206.2	142.7	250.81	7.60
MEAN	838	659	579	300	797	586	602	108	6.87	4.60	8.09	.25
MAX	3630	5930	2570	809	6360	3420	4450	663	29	21	35	.67
MIN	12	214	249	169	208	200	38	24	1.4	1.6	.57	.00
CFSM	4.71	3.70	3.25	1.69	4.48	3.29	3.38	.61	.04	.03	.05	.00
IN.	5.43	4.13	3.75	1.94	4.66	3.80	3.77	.70	.04	.03	.05	.00
AC-FT	51520	39200	35580	18450	44270	36050	35830	6660	409	283	497	15

CAL YR 1984	TOTAL	145085.5	MEAN	396	MAX	7120	MIN	2.8	CFSM	2.22	IN.	30.32	AC-FT	287800
WTR YR 1985	TOTAL	135501.31	MEAN	371	MAX	6360	MIN	.00	CFSM	2.08	IN.	28.32	AC-FT	268800

07361600 LITTLE MISSOURI RIVER NEAR BOUGHTON, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
10...	0500	9827	9827	1330	6.4	19.0	8.2	19.0	K110
NOV									
07...	0500	9827	9827	1470	7.2	12.0	9.1	9.0	K24
DEC									
04...	0500	9827	9827	1330	7.0	11.0	10.6	4.0	--
JAN, 1985									
16...	0500	9827	9827	660	7.0	3.0	11.9	2.0	K12
FEB									
13...	0500	9827	9827	1880	6.7	5.0	12.1	.0	<30
MAR									
12...	0520	9827	9827	899	7.0	12.0	9.5	12.0	--
APR									
10...	0500	9827	9827	516	7.0	14.0	9.1	9.0	K4
MAY									
08...	0500	9827	9827	1090	7.2	16.0	8.2	18.0	K44
JUN									
05...	0500	9827	9827	118	6.7	26.0	6.7	25.0	K12
JUL									
09...	0500	9827	9827	50	--	26.0	7.1	24.0	140
AUG									
14...	0530	9827	9827	440	7.5	26.0	--	22.0	K60
SEP									
11...	0500	9827	9827	60	7.0	25.0	7.2	21.0	K24

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
10...	0500	1.1	25	24	8.0	3.5	53	17	.11
NOV									
07...	0500	.9	15	20	--	4.0	69	12	.14
DEC									
04...	0500	1.4	15	26	12	3.5	6	48	.18
JAN, 1985									
16...	0500	.9	15	32	13	--	--	10	.26
FEB									
13...	0500	.9	15	28	10	4.0	54	9	.17
MAR									
12...	0520	1.5	20	30	9.0	7.5	68	94	.25
APR									
10...	0500	.4	8.7	34	11	4.0	66	6	.20
MAY									
08...	0500	.7	15	22	9.0	3.0	55	10	.21
JUN									
05...	0500	.7	9.0	36	30	4.5	60	4	.14
JUL									
09...	0500	.6	10	20	9.0	--	51	14	.24
AUG									
14...	0530	1.1	15	32	10	4.0	62	18	.12
SEP									
11...	0500	1.2	25	70	7.0	2.5	33	12	.12

07361600 LITTLE MISSOURI RIVER NEAR BOUGHTON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
10...	0500	.080	--	.040	1	2	18	33	80
NOV									
07...	0500	.030	.050	.030	2	<1	34	27	130
DEC									
04...	0500	.040	.050	.020	1	2	42	60	--
JAN, 1985									
16...	0500	.040	--	--	1	18	48	90	--
FEB									
13...	0500	.040	.040	.030	<1	3	35	85	210
MAR									
12...	0520	.080	.050	.040	<1	3	37	33	110
APR									
10...	0500	.070	.060	.040	1	1	31	--	390
MAY									
08...	0500	.060	.050	.040	<1	<1	43	24	200
JUN									
05...	0500	.040	.040	.080	1	<1	60	13	170
JUL									
09...	0500	.030	.030	.020	1	3	35	31	240
AUG									
14...	0530	.050	.060	.050	--	12	210	20	200
SEP									
11...	0500	.050	.060	.040	<1	<1	30	--	--

07362000 OUACHITA RIVER AT CAMDEN, ARK.

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 U.S. Army 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 above 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.--Estimated daily discharges: Dec. 26, Jan. 5, Feb. 24-26, and June 16, 17, 24. Water-discharge records good. U.S. Army Corps of Engineers satellite telemeter at station. 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.--57 years, 7,564 ft^3/s, 5,480,000 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, 70,600 ft^3/s Apr. 27; maximum gage height, 34.69 ft Apr. 28; minimum daily, 703 ft^3/s Sept. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	909	25700	37200	12500	12600	41100	24300	41200	2730	1210	2780	929
2	948	23200	32600	15700	12200	32400	24000	40200	2470	1300	3700	865
3	1270	22900	28500	18000	11600	25700	22400	36800	1910	1630	3910	1020
4	1120	23300	26300	14000	11100	22700	19200	31300	1730	2450	3640	1250
5	2360	23300	22000	13000	10500	20100	17000	25200	2080	3690	3380	2170
6	3300	21600	19400	12500	10500	18500	16000	20500	2830	2050	3320	4120
7	4970	18100	20700	9770	12400	17700	14600	16900	1700	2060	3310	1990
8	7330	16800	20900	8080	13700	13800	13500	13900	1480	2320	3610	1580
9	9950	16200	19700	7840	13900	12300	12600	10900	1430	1980	3760	1300
10	10000	15900	16700	7910	13200	9190	12100	8150	1460	3440	4400	1100
11	11800	15800	14800	8750	12900	6780	13000	7260	1640	4190	4700	965
12	12000	15800	13500	8970	13100	6160	12500	7180	1510	3930	4620	884
13	11000	16000	14400	8380	12700	6150	10900	6280	1500	2830	4170	818
14	12800	15400	14700	7410	12800	6060	10500	5960	1620	3410	3320	805
15	11700	14200	18000	6750	11500	7800	8380	6310	1420	3220	3700	895
16	13900	14100	20600	6790	9650	9560	8040	5750	1300	2660	3930	825
17	16300	13600	20500	8910	8250	9200	7800	5040	1300	3140	3280	796
18	14000	12900	19400	12000	5710	8080	7550	4300	1640	2340	2360	811
19	14200	12100	21200	12700	4480	7810	6820	3890	5750	2140	3110	783
20	18700	14200	25100	12500	4130	8090	6730	3480	5080	2410	3370	836
21	20500	15200	27700	11500	4310	15400	6710	2410	4380	2680	3010	1310
22	23100	14500	29300	10500	3930	22400	6810	4050	3400	3870	1700	1180
23	27500	13400	29200	9130	3100	33900	13100	5120	1810	4580	1110	927
24	39500	12100	25800	8340	6500	44300	27700	4220	1600	5170	1160	793
25	41000	11000	21000	7740	11000	43600	39600	3300	1440	5180	1050	745
26	46900	12400	18000	7120	22000	38400	56700	2550	1640	6050	1030	706
27	46100	16400	15000	7110	44700	37300	68200	2170	2550	5580	1000	718
28	42900	22000	14700	8280	46700	34000	65600	1920	2290	4540	965	724
29	33900	28900	14100	11600	---	29800	59100	1930	2560	3850	932	703
30	34300	37300	13100	12900	---	26700	52000	3470	1900	2310	981	740
31	29800	---	12400	12800	---	25500	---	3750	---	2420	1050	---
TOTAL	564057	534300	646500	319480	359160	640480	663440	335390	66150	98630	86358	33288
MEAN	18200	17810	20850	10310	12830	20660	22110	10820	2205	3182	2786	1110
MAX	46900	37300	37200	18000	46700	44300	68200	41200	5750	6050	4700	4120
MIN	909	11000	12400	6750	3100	6060	6710	1920	1300	1210	932	703
AC-FT	1119000	1060000	1282000	633700	712400	1270000	1316000	665200	131200	195600	171300	66030

CAL YR 1984 TOTAL 3871808 MEAN 10580 MAX 57400 MIN 550 AC-FT 7680000
WTR YR 1985 TOTAL 4347233 MEAN 11910 MAX 68200 MIN 703 AC-FT 8623000

07362000 OUACHITA RIVER AT CAMDEN, ARK.--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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT, 1984											
09...	1110	80513	80010	9860	69	7.1	19.0	25	7.6	82	765
FEB, 1985											
19...	1330	80513	80010	4580	90	7.0	9.0	10	10.4	89	767
APR											
17...	1230	80513	80010	7760	73	6.9	18.0	15	8.5	90	764
AUG											
06...	1230	80513	80010	3670	70	7.5	25.0	10	7.3	88	762

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 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)
OCT, 1984											
09...	1110	--	--	20	2	6.0	1.3	3.8	27	.4	1.6
FEB, 1985											
19...	1330	9	78	25	9	8.0	1.2	5.4	31	.5	1.0
APR											
17...	1230	20	37	21	2	6.1	1.4	3.8	27	.4	1.3
AUG											
06...	1230	35	270	24	8	7.3	1.5	3.4	22	.3	1.2

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
OCT, 1984										
09...	1110	18	5.3	5.0	<.10	5.3	54	40	.07	.12
FEB , 1985										
19...	1330	16	8.0	13	<.10	6.4	68	54	.09	.14
APR										
17...	1230	19	6.6	5.1	<.10	5.8	47	42	.06	.21
AUG										
06...	1230	16	6.5	5.7	<.10	4.8	48	40	.07	.18

DATE	TIME	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)	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)
OCT, 1984										
09...	1110	.090	.40	.060	.020	<.010	70	2	29	<.5
FEB, 1985										
19...	1330	.130	.50	.050	<.010	.070	60	<1	30	<.5
APR										
17...	1230	.080	3.2	.020	<.010	<.010	30	<1	32	<.5
AUG										
06...	1230	.050	.40	<.010	<.010	<.010	20	<1	28	.5

07362000 OUACHITA RIVER AT CAMDEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)
OCT, 1984										
09...	1110	1	8	<3	4	260	4	<4	6	<.1
FEB, 1985										
19...	1330	5	7	<3	4	300	3	20	140	<.1
APR										
17...	1230	<1	<1	<3	3	150	2	<4	65	<.1
AUG										
06...	1230	<1	1	<3	9	69	<1	<4	37	<.1

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. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT, 1984										
09...	1110	<10	6	<1	<1	47	5	77	2050	89
FEB, 1985										
19...	1330	<10	5	4	<1	58	18	18	223	97
APR										
17...	1230	<10	4	<1	<1	45	12	19	398	91
AUG										
06...	1230	<10	2	<1	<1	36	34	25	248	88

07362065 OUACHITA RIVER BELOW CAMDEN, ARK.

LOCATION.--Lat 33°29'03", long 92°45'11", in NE 1/4 SE 1/4 sec.20, T.14 S., R.16 W., Ouachita County, Hydrologic Unit 08040201, at Frenchport Landing, 7.5 mi southeast of Camden, 6.5 mi downstream from Two Bayou Creek, and at mi 339.2.

DRAINAGE AREA.--5,676 mi^2.

PERIOD OF RECORD.--July 1969 to September 1972, November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
JAN, 1985										
29...	1100	9827	9827	11600	7.2	6.0	11.8	7.0	K120	.8
APR										
23...	1048	9827	9827	11600	6.7	20.0	7.9	24.0	1300	1.3
MAY										
21...	1045	9827	9827	2330	6.9	21.0	8.4	18.0	K16	.9
JUN										
18...	1130	9827	9827	1500	6.9	27.0	5.1	23.0	>6000	3.2
JUL										
30...	1050	9827	9827	2300	7.1	--	8.3	--	110	2.3
AUG										
20...	1043	9827	9827	3380	7.1	26.0	8.0	27.0	240	1.0
SEP										
17...	1044	9827	9827	800	--	--	--	--	K20	--

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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)
JAN, 1985										
29...	1100	--	24	9.0	13	65	34	.20	.080	.080
APR										
23...	1048	50	22	9.0	6.0	60	63	.14	.070	.110
MAY										
21...	1045	20	30	6.0	7.0	61	25	.11	.030	.070
JUN										
18...	1130	50	34	17	21	125	44	.11	.240	.110
JUL										
30...	1050	20	32	10	15	--	--	.27	.050	.080
AUG										
20...	1043	3.0	24	7.0	8.5	59	22	.30	.030	.060

DATE	TIME	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	SELENIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
JAN, 1985									
29...	1100	.020	<5	<1	2	28	15	<5	60
APR									
23...	1048	.040	2	1	1	33	36	<1	50
MAY									
21...	1045	.020	--	<1	<1	23	11	--	--
JUN									
18...	1130	.050	--	1	2	26	--	--	40
JUL									
30...	1050	.010	--	1	<1	22	35	--	90
AUG									
20...	1043	.040	--	--	<1	15	16	--	--

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)
JUL, 1985									
30...	1050	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07362100 SMACKOVER CREEK NEAR SMACKOVER, ARK.

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 U.S. Army 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 U.S. Army 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 above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Estimated daily discharges: Jan. 23-25. Records good.

AVERAGE DISCHARGE.--24 years, 385 ft^3/s, 13.58 in/yr, 278,700 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 discharges greater than base discharge 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)
Oct. 24	0500	7,820	16.85	Dec. 16	0100	2,940	13.56
Nov. 27	2300	*8,430	*16.97	Mar. 23	0800	4,970	15.33

Minimum discharge, 3.0 ft^3/s Sept. 24, 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	595	2190	548	731	647	1400	594	43	17	26	9.1
2	16	656	1730	686	646	545	1280	499	38	15	24	8.7
3	15	823	1190	598	641	557	1040	374	34	56	23	9.9
4	14	813	676	437	575	535	777	248	31	55	22	29
5	14	711	455	335	557	495	493	182	29	52	20	60
6	24	586	513	292	676	449	350	150	28	35	25	101
7	562	399	571	267	774	366	294	130	26	28	31	70
8	847	292	544	250	808	312	256	121	24	22	38	47
9	873	246	467	233	778	290	214	110	23	19	30	31
10	821	235	404	265	767	276	192	101	22	17	25	35
11	952	248	366	334	1160	267	180	94	21	17	21	30
12	1070	244	337	340	1490	260	170	88	22	16	20	23
13	1040	216	354	278	1510	254	161	84	22	15	20	19
14	1170	193	1420	234	1250	270	168	80	24	27	20	16
15	1170	180	2400	220	993	337	178	78	23	22	19	14
16	1100	179	2700	346	724	356	186	76	21	21	18	12
17	1130	178	2060	1210	542	303	167	73	19	29	18	11
18	928	195	1680	1670	444	248	139	64	25	19	18	9.0
19	927	315	1500	1790	376	217	121	56	40	37	17	7.6
20	1480	478	1480	1440	337	430	110	51	43	41	16	6.6
21	2820	474	1490	1120	318	2230	102	49	52	39	17	6.0
22	5310	374	1380	626	307	3840	161	54	44	90	19	5.0
23	7310	266	1130	520	406	4740	840	96	41	105	19	4.1
24	7610	225	797	430	1230	3390	1190	117	43	235	20	3.4
25	6090	211	548	360	1720	2540	1720	104	46	240	18	4.9
26	3950	362	438	315	1710	1950	1790	86	35	123	16	6.8
27	2610	5630	375	304	1310	1610	1430	65	27	79	14	7.9
28	2030	6910	346	581	966	1560	1040	54	22	60	13	7.6
29	1560	4040	345	764	---	1540	554	49	19	46	12	8.0
30	1110	2750	347	790	---	1340	346	49	18	35	11	18
31	748	---	356	784	---	1320	---	47	---	29	9.7	---
TOTAL	55317	29024	30589	18367	23746	33474	17049	4023	905	1641	619.7	620.6
MEAN	1784	967	987	592	848	1080	568	130	30.2	52.9	20.0	20.7
MAX	7610	6910	2700	1790	1720	4740	1790	594	52	240	38	101
MIN	14	178	337	220	307	217	102	47	18	15	9.7	3.4
CFSM	4.63	2.51	2.56	1.54	2.20	2.81	1.48	.34	.08	.14	.05	.05
IN.	5.34	2.80	2.96	1.77	2.29	3.23	1.65	.39	.09	.16	.06	.06
AC-FT	109700	57570	60670	36430	47100	66400	33820	7980	1800	3250	1230	1230

CAL YR 1984	TOTAL	241919	MEAN	661	MAX	7610	MIN	14	CFSM	1.72	IN.	23.38	AC-FT	479800
WTR YR 1985	TOTAL	215375.3	MEAN	590	MAX	7610	MIN	3.4	CFSM	1.53	IN.	20.81	AC-FT	427200

07362110 SMACKOVER CREEK NORTH OF SMACKOVER, ARK.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984											
23...	1030	9827	9827	7890	159	5.5	11.0	7.0	12.0	160	2.7
NOV											
20...	1100	9827	9827	516	623	6.3	9.0	8.9	6.0	530	--
DEC											
18...	1050	9827	9827	1810	284	5.8	17.0	5.7	20.0	K170	.6
JAN, 1985											
29...	1040	9827	9827	825	345	6.3	4.0	11.5	6.0	K100	1.1
FEB											
26...	1100	9827	9827	1850	267	5.6	13.0	--	12.0	1100	.3
MAR											
26...	1038	9827	9827	2110	188	5.9	16.0	7.4	23.0	--	1.2
APR											
23...	1024	9827	9827	907	790	5.7	20.0	6.7	24.0	1900	3.0
MAY											
21...	1022	9827	9827	53	826	6.4	21.0	9.7	18.0	K10	5.4
JUN											
18...	1104	9827	9827	27	825	6.4	25.0	5.4	23.0	4200	--
JUL											
30...	1029	9827	9827	38	426	6.3	--	6.0	--	600	2.5
AUG											
20...	1018	9827	9827	17	395	6.4	27.0	5.8	26.0	<10	4.1
SEP											
17...	1026	9827	9827	12	--	--	--	--	--	K24	--

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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, 1984										
23...	1030	15	59	28	8.0	38	147	14	.01	.040
NOV										
20...	1100	25	33	76	7.0	190	435	32	.03	.040
DEC										
18...	1050	9.0	37	40	7.0	76	228	7	.02	<.010
JAN, 1985										
29...	1040	--	26	54	11	110	246	26	.09	.060
FEB										
26...	1100	30	--	36	11	--	195	24	<.01	<.010
MAR										
26...	1038	25	36	24	11	50	143	13	.03	.010
APR										
23...	1024	75	55	100	9.0	230	475	164	.11	.140
MAY										
21...	1022	20	42	96	5.0	260	553	18	.01	.010
JUN										
18...	1104	20	46	94	4.0	290	513	20	.08	.080
JUL										
30...	1029	10	32	62	9.0	110	--	--	.09	.080
AUG										
20...	1018	10	33	54	6.0	130	275	14	.02	<.010

07362110 SMACKOVER CREEK NORTH OF SMACKOVER, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)
OCT, 1984										
23...	1030	.46	.50	.51	.080	.030	1	2	36	--
NOV										
20...	1100	.36	.40	.43	.070	.030	1	3	39	40
DEC										
18...	1050	--	--	--	--	.020	1	2	--	--
JAN, 1985										
29...	1040	--	<.10	--	.080	.010	1	3	24	22
FEB										
26...	1100	--	--	--	.100	.020	1	6	37	--
MAR										
26...	1038	.69	.70	.73	--	.040	<1	2	35	50
APR										
23...	1024	.86	1.0	1.1	.130	.040	1	2	30	43
MAY										
21...	1022	--	--	--	.100	.020	1	<1	29	17
JUN										
18...	1104	.72	.80	.88	.080	.010	1	<1	30	--
JUL										
30...	1029	--	--	--	.100	<.010	1	<1	40	45
AUG										
20...	1018	--	1.1	1.1	.070	.020	--	<1	18	11

DATE	TIME	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	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, 1984										
23...	1030	60	--	--	--	--	--	--	--	--
NOV										
20...	1100	70	--	--	--	--	--	--	--	--
JAN, 1985										
29...	1040	40	--	--	--	--	--	--	--	--
FEB										
26...	1100	40	--	--	--	--	--	--	--	--
APR										
23...	1024	80	--	--	--	--	--	--	--	--
JUN										
18...	1104	60	--	--	--	--	--	--	--	--
JUL										
30...	1029	120	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07362550 MORO CREEK NEAR BANKS, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1984									
23...	0930	9827	9827	4300	5.9	11.0	7.4	21.0	240
NOV									
20...	1000	9827	9827	133	6.6	9.0	8.4	5.0	K50
DEC									
18...	0950	9827	9827	1450	6.0	17.0	6.3	21.0	K1200
JAN, 1985									
29...	0926	9827	9827	720	6.8	3.0	11.5	4.0	K170
FEB									
26...	1000	9827	9827	900	6.0	11.0	--	12.0	180
MAR									
26...	0948	9827	9827	2350	6.0	15.0	8.0	21.0	--
APR									
23...	0922	9827	9827	380	6.4	20.0	6.2	27.0	2600
MAY									
21...	0920	9827	9827	.00	6.8	21.0	5.2	20.0	K20
JUN									
18...	1000	9827	9827	.00	6.7	24.0	4.4	22.0	K6100
JUL									
30...	0930	9827	9827	.00	6.9	--	4.4	--	K76
AUG									
20...	0920	9827	9827	.00	7.0	25.0	1.8	27.0	240
SEP									
17...	0919	9827	9827	.00	--	--	--	--	K32

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
23...	0930	1.5	15	16	6.0	3.0	78	10	.01
NOV									
20...	1000	1.2	25	16	9.0	6.5	97	64	.01
DEC									
18...	0950	1.4	25	18	9.0	5.5	80	13	.01
JAN, 1985									
29...	0926	1.0	--	16	11	11	72	11	.07
FEB									
26...	1000	1.4	35	20	12	--	82	24	<.01
MAR									
26...	0948	1.6	25	12	10	3.0	72	20	.03
APR									
23...	0922	4.3	55	18	10	6.0	84	83	.14
MAY									
21...	0920	1.1	40	18	6.0	8.5	113	20	.42
JUN									
18...	1000	3.0	40	26	6.0	9.0	113	42	.17
JUL									
30...	0930	2.6	8.0	52	6.0	8.5	--	--	.06
AUG									
20...	0920	3.1	8.0	34	5.0	7.5	79	13	.03

07362550 MORO CREEK NEAR BANKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
23...	0930	.040	.060	.020	2	1	26	--	40
NOV									
20...	1000	.020	.090	.050	1	5	18	24	30
DEC									
18...	0950	.020	--	.040	1	<1	--	--	--
JAN, 1985									
29...	0926	.020	.070	.020	<1	2	17	14	20
FEB									
26...	1000	.010	.120	.030	<1	3	31	--	30
MAR									
26...	0948	.030	--	.050	<1	1	28	20	--
APR									
23...	0922	.090	.130	.050	<1	1	23	24	40
MAY									
21...	0920	.090	.150	.110	1	<1	20	12	--
JUN									
18...	1000	.020	.150	.070	1	<1	29	--	30
JUL									
30...	0930	.070	.110	.020	1	<1	52	40	120
AUG									
20...	0920	.070	.100	.030	--	<1	17	14	--

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)
JUL, 1985									
30...	0930	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07363002 SALINE RIVER WEST OF BENTON, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
NOV, 1984											
06...	0935	9827	9827	815	88	7.2	14.0	6.9	15.0	K28	--
DEC											
11...	0940	9827	9827	446	107	7.3	9.0	10.8	8.0	K44	1.1
JAN, 1985											
08...	0933	9827	9827	453	--	7.3	6.0	11.7	3.0	K80	.9
15...	0935	9827	9827	268	--	7.4	4.0	12.1	3.0	K16	.7
FEB											
12...	0927	9827	9827	1270	--	--	3.0	12.6	2.0	<10	.1
MAR											
12...	0935	9827	9827	360	121	7.2	14.0	10.6	12.0	--	2.4
APR											
02...	0940	9827	9827	1440	--	7.4	14.0	9.4	17.0	88	.8
MAY											
07...	0935	9827	9827	245	122	7.3	21.0	8.3	25.0	K52	1.0
JUN											
04...	0930	9827	9827	62	--	7.0	27.0	11.5	29.0	100	1.1
JUL											
09...	0950	9827	9827	25	126	7.6	28.0	--	31.0	K1200	1.3
AUG											
06...	1015	9827	9827	298	116	7.6	26.0	8.0	22.0	600	1.8
SEP											
17...	0950	9827	9827	25	149	7.4	22.0	--	24.0	160	1.2

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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, 1984											
06...	0935	6.6	8	42	--	2.5	70	6	.08	.050	--
DEC											
11...	0940	5.0	8	50	8.0	3.5	74	2	.10	.050	--
JAN, 1985											
08...	0933	--	4	50	7.0	5.0	60	2	.10	.060	--
15...	0935	4.0	--	50	10	3.5	79	3	.09	.020	--
FEB											
12...	0927	7.5	--	46	10	5.5	74	4	.10	.050	--
MAR											
12...	0935	5.0	<1	42	9.0	4.5	79	6	.06	.090	--
APR											
02...	0940	9.0	--	36	9.0	2.0	80	8	.10	.030	.17
MAY											
07...	0935	5.0	7	50	10	3.0	--	6	--	.050	--
JUN											
04...	0930	5.0	--	62	--	2.5	94	7	.05	--	--
JUL											
09...	0950	6.0	12	46	9.0	2.5	80	8	.10	.070	--
AUG											
06...	1015	6.0	7	52	8.0	3.5	66	9	.05	.030	.27
SEP											
17...	0950	7.0	9	60	5.0	3.5	75	14	.09	.040	.06

07363002 SALINE RIVER WEST OF BENTON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	SELENIUM, TOTAL (UG/L AS SE) (01147)
NOV, 1984											
06...	0935	<.10	--	.020	.010	<5	1	2	<10	14	<5
DEC											
11...	0940	<.10	--	.020	.010	--	<1	3	12	12	--
JAN, 1985											
08...	0933	<.10	--	--	.020	<5	1	3	15	10	--
15...	0935	<.10	--	.040	.010	--	<1	2	15	13	--
FEB											
12...	0927	<.10	--	.020	.020	--	<1	<1	<10	21	--
MAR											
12...	0935	<.10	--	.030	.010	--	<1	3	15	16	--
APR											
02...	0940	.20	.30	--	.020	1	<1	<1	<15	11	1
MAY											
07...	0935	<.10	--	.020	.020	--	<1	6	14	27	--
JUN											
04...	0930	--	--	--	.010	--	1	<1	<15	21	--
JUL											
09...	0950	<.10	--	.040	.020	<1	<1	4	16	23	<1
AUG											
06...	1015	.30	.35	.030	.020	--	--	<1	<15	1	--
SEP											
17...	0950	.10	.19	--	.030	--	<1	<1	<15	--	--

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984										
06...	0935	60	--	--	--	--	--	--	--	--
JAN, 1985										
08...	0933	60	--	--	--	--	--	--	--	--
FEB										
12...	0927	80	--	--	--	--	--	--	--	--
MAR										
12...	0935	80	--	--	--	--	--	--	--	--
JUN										
04...	0930	50	--	--	--	--	--	--	--	--
JUL										
09...	0950	30	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
AUG										
06...	1015	620	--	--	--	--	--	--	--	--

07363054 SALINE RIVER NEAR SHAW, ARK.

LOCATION.--Lat 34°29'56", long 92°33'46", in NW 1/4 NW 1/4 sec.1, T.3 S., R.15 W., Saline County, Hydrologic Unit 08040203, at Shaw Bridge, 2.0 mi west of Shaw, Ark., and 2.0 mi east of Dotted Lake.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
NOV, 1984											
06...	1000	9827	9827	852	78	7.1	15.0	8.9	17.0	K56	.9
DEC											
11...	1015	9827	9827	547	113	7.3	9.0	10.5	9.0	140	1.0
JAN, 1985											
08...	1000	9827	9827	535	--	7.4	7.0	--	9.0	160	.5
15...	1004	9827	9827	344	--	7.2	4.0	12.0	.0	200	.9
FEB											
12...	0955	9827	9827	1340	--	--	4.0	12.4	5.0	250	.8
MAR											
12...	1000	9827	9827	441	120	7.4	15.0	9.3	13.0	--	1.6
APR											
02...	1015	9827	9827	1500	--	7.4	14.0	9.2	17.0	170	.9
MAY											
07...	1010	9827	9827	332	149	7.1	21.0	7.9	26.0	96	1.3
JUN											
04...	1003	9827	9827	106	--	7.3	27.0	6.4	29.0	K36	1.7
JUL											
09...	1040	9827	9827	31	146	7.3	28.0	--	31.0	<10	2.0
AUG											
06...	1050	9827	9827	183	284	7.5	26.0	6.2	23.0	290	1.8
SEP											
17...	1025	9827	9827	30	200	7.3	23.0	--	25.0	K72	1.5

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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)
NOV, 1984										
06...	1000	7.8	11	40	--	2.5	66	10	.09	.040
DEC										
11...	1015	6.0	7	52	14	2.5	73	6	.14	.080
JAN, 1985										
08...	1000	--	5	50	11	5.0	68	5	.14	.110
15...	1004	6.5	--	56	14	3.5	86	5	.14	.090
FEB										
12...	0955	8.0	--	48	12	6.0	33	8	.11	.050
MAR										
12...	1000	6.0	6	48	9.0	5.0	76	12	.11	.120
APR										
02...	1015	20	--	32	9.0	2.0	70	15	.11	.040
MAY										
07...	1010	9.0	7	52	15	4.0	--	10	--	.080
JUN										
04...	1003	10	--	62	6.0	4.5	85	12	.17	--
JUL										
09...	1040	9.0	10	56	30	3.0	113	8	.22	.060
AUG										
06...	1050	30	12	52	89	7.0	209	39	.44	.120
SEP										
17...	1025	15	9	62	18	5.5	100	18	.36	.120

07363054 SALINE RIVER NEAR SHAW, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
NOV, 1984										
06...	1000	--	<.10	--	.030	.030	<1	<1	<10	10
DEC										
11...	1015	--	<.10	--	.050	.030	<1	<1	<10	11
JAN, 1985										
08...	1000	.19	.30	.44	--	.040	<1	2	15	17
15...	1004	.11	.20	.34	.060	.030	<1	<1	10	9
FEB										
12...	0955	--	<.10	--	.030	.020	<1	<1	13	11
MAR										
12...	1000	--	<.10	--	.070	.030	<1	<1	18	14
APR										
02...	1015	.96	1.0	1.1	--	.030	<1	<1	<15	12
MAY										
07...	1010	--	--	--	.060	.040	<1	<1	<15	10
JUN										
04...	1003	--	--	--	--	.050	<1	<1	<15	17
JUL										
09...	1040	--	<.10	--	.110	.060	<1	2	<15	<1
AUG										
06...	1050	.28	.40	.84	.220	.150	--	<1	<15	<1
SEP										
17...	1025	--	<.10	--	--	.120	<1	<1	<15	--

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984										
06...	1000	40	--	--	--	--	--	--	--	--
JAN, 1985										
08...	1000	40	--	--	--	--	--	--	--	--
FEB										
12...	0955	60	--	--	--	--	--	--	--	--
MAR										
12...	1000	80	--	--	--	--	--	--	--	--
JUN										
04...	1003	40	--	--	--	--	--	--	--	--
JUL										
09...	1040	20	--	--	--	--	--	--	--	--
AUG										
06...	1050	60	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07363200 SALINE RIVER NEAR SHERIDAN, ARK.

LOCATION.--Lat 34°06'56", long 92°24'21", in NE 1/4 NW 1/4 sec.15, T.7 S., R.13 W., Grant County, Hydrologic Unit 08040203, on downstream side of bridge on U.S. Highway 167, 1.0 mi upstream from Gamble Creek, 1.6 mi downstream from Lost Creek, 2.1 mi upstream from Hurricane Creek, 13.5 mi south of Sheridan, and at mi 131.4.

DRAINAGE AREA.--1,123 mi^2.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
NOV, 1984									
06...	1058	9827	9827	3260	6.9	14.0	9.1	17.0	K48
DEC									
11...	1105	9827	9827	2590	7.3	9.0	9.9	15.0	K28
JAN, 1985									
08...	1058	9827	9827	2080	7.2	6.0	--	9.0	120
15...	1057	9827	9827	1120	7.0	4.0	11.7	2.0	K16
FEB									
12...	1047	9827	9827	3270	--	4.0	11.5	5.0	K90
MAR									
12...	1055	9827	9827	1000	7.2	15.0	8.8	13.0	--
APR									
02...	1100	9827	9827	3230	7.3	16.0	7.8	18.0	K52
MAY									
07...	1100	9827	9827	1190	7.8	21.0	7.0	27.0	K28
JUN									
04...	1100	9827	9827	294	7.2	27.0	6.5	32.0	K8
JUL									
09...	1140	9827	9827	181	7.5	29.0	--	32.0	K20
AUG									
06...	1140	9827	9827	172	7.3	26.0	6.8	25.0	300
SEP									
17...	1127	9827	9827	155	7.4	23.0	--	28.0	K80

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1984									
06...	1058	3.0	8.8	34	--	2.5	74	10	.04
DEC									
11...	1105	1.1	15	40	12	4.0	69	12	.09
JAN, 1985									
08...	1058	1.0	--	44	9.0	5.5	62	9	.10
15...	1057	1.0	10	42	14	4.5	77	9	.11
FEB									
12...	1047	1.1	10	26	11	6.5	57	8	.09
MAR									
12...	1055	1.3	20	36	9.0	6.0	73	20	.13
APR									
02...	1100	1.1	25	36	12	2.5	85	18	.11
MAY									
07...	1100	1.0	20	34	10	3.0	--	24	--
JUN									
04...	1100	1.0	25	42	9.0	4.0	81	22	.29
JUL									
09...	1140	1.7	10	52	34	4.5	113	18	.14
AUG									
06...	1140	1.6	50	30	55	5.0	139	68	.10
SEP									
17...	1127	1.2	20	48	54	5.5	135	24	.31

07363200 SALINE RIVER NEAR SHERIDAN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1984									
06...	1058	.040	.040	.030	<1	1	12	19	80
DEC									
11...	1105	.040	.050	.020	<1	<1	21	19	--
JAN, 1985									
08...	1058	.090	--	.030	<1	1	18	18	60
15...	1057	.050	.050	.010	<1	<1	18	7	--
FEB									
12...	1047	.040	.040	.020	<1	<1	13	9	70
MAR									
12...	1055	.080	.070	.030	<1	<1	16	11	80
APR									
02...	1100	.050	--	.030	<1	<1	17	10	--
MAY									
07...	1100	.080	.080	.040	<1	3	<15	12	--
JUN									
04...	1100	--	--	.050	<1	2	18	12	60
JUL									
09...	1140	.010	.060	.020	<1	2	<15	1	10
AUG									
06...	1140	.020	.100	.050	--	<1	<15	<1	40
SEP									
17...	1127	.040	--	.060	<1	1	<15	--	--

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)
AUG, 1985									
06...	1140	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07363270 HURRICANE CREEK NEAR SARDIS, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
NOV, 1984											
06...	0855	9827	9827	240	968	8.7	14.0	8.0	14.0	K44	1.5
DEC											
11...	0900	9827	9827	305	462	7.4	9.0	10.3	8.0	K48	1.5
JAN, 1985											
08...	0857	9827	9827	77	--	8.0	7.0	11.0	10.0	220	1.1
15...	0855	9827	9827	238	--	7.5	4.0	11.7	-1.0	K32	1.2
FEB											
12...	0850	9827	9827	365	--	--	3.0	12.6	4.0	K80	.9
MAR											
12...	0855	9827	9827	294	843	7.5	14.0	9.1	12.0	--	2.0
APR											
02...	0850	9827	9827	325	--	7.8	14.0	8.9	16.0	100	1.3
MAY											
07...	0855	9827	9827	212	1110	8.0	21.0	7.8	25.0	360	1.6
JUN											
04...	0850	9827	9827	170	--	8.0	26.0	7.3	30.0	92	1.9
JUL											
09...	0850	9827	9827	115	837	7.9	25.0	--	30.0	K40	1.4
AUG											
06...	0920	9827	9827	138	938	7.2	24.0	7.7	22.0	2300	2.5
SEP											
17...	0902	9827	9827	188	1340	7.1	20.0	--	21.0	K24	1.1

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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)
NOV, 1984										
06...	0855	35	8	180	--	8.0	674	32	.30	.240
DEC										
11...	0900	9.0	17	120	140	5.0	308	16	.25	.180
JAN, 1985										
08...	0857	--	16	110	370	120	702	15	.24	.160
15...	0855	15	--	80	250	8.5	465	14	.21	.160
FEB										
12...	0850	9.0	--	64	190	8.5	388	12	.17	--
MAR										
12...	0855	15	10	80	300	10	562	20	.16	.160
APR										
02...	0850	8.0	--	64	270	6.0	503	11	.14	.080
MAY										
07...	0855	25	17	90	400	10	--	22	--	.120
JUN										
04...	0850	9.0	--	150	730	14	1250	13	--	.300
JUL										
09...	0850	3.0	14	72	240	6.0	580	4	.32	.040
AUG										
06...	0920	30	20	15	430	7.5	641	74	.41	.010
SEP										
17...	0902	1.0	6	230	490	10	976	7	.49	.150

RED RIVER BASIN

07363270 HURRICANE CREEK NEAR SARDIS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)
NOV, 1984										
06...	0855	--	--	.40	.040	.030	1	5	10	13
DEC										
11...	0900	.12	.30	.55	.060	.010	<1	1	<10	4
JAN, 1985										
08...	0857	.14	.30	.54	--	.030	<1	6	18	10
15...	0855	.14	.30	.51	.050	.010	<1	6	16	10
FEB										
12...	0850	--	.20	.37	.040	.030	<1	<1	13	13
MAR										
12...	0855	.14	.30	.46	.060	.010	<1	4	16	29
APR										
02...	0850	.42	.50	.64	--	.020	<1	4	<15	13
MAY										
07...	0855	.48	.60	--	.050	.020	<1	1	<15	14
JUN										
04...	0850	--	--	--	--	.010	1	10	18	23
JUL										
09...	0850	--	<.10	--	.010	<.010	<1	3	22	20
AUG										
06...	0920	.59	.60	1.0	.060	.020	--	<1	<15	6
SEP										
17...	0902	--	<.10	--	--	.020	<1	4	<15	--

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984										
06...	0855	120	--	--	--	--	--	--	--	--
JAN, 1985										
08...	0857	70	--	--	--	--	--	--	--	--
FEB										
12...	0850	300	--	--	--	--	--	--	--	--
MAR										
12...	0855	110	--	--	--	--	--	--	--	--
JUN										
04...	0850	70	--	--	--	--	--	--	--	--
JUL										
09...	0850	100	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
AUG										
06...	0920	440	--	--	--	--	--	--	--	--

07363300 HURRICANE CREEK NEAR SHERIDAN, ARK.

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 U.S. Army Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1970: 1969.

GAGE.--Water-stage recorder. Datum of gage is 200.00 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--24 years, 236 ft^3/s, 15.71 in/yr, 171,000 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 discharges greater than base discharge 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)
Oct. 20	2200	5,730	14.66	Apr. 24	1600	*8,520	*15.24
Nov. 28	0500	5,500	14.60				

No flow Sept. 27, 28, 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	171	1100	315	989	313	619	807	99	20	15	9.9
2	15	160	600	471	997	331	470	389	65	20	13	8.2
3	14	213	364	566	984	345	275	264	51	19	14	6.3
4	14	193	293	426	974	294	200	191	42	18	15	10
5	14	158	260	303	678	265	175	143	37	18	15	126
6	18	134	423	250	390	250	153	116	35	23	16	89
7	154	117	663	217	443	192	154	97	34	16	16	39
8	390	100	584	196	398	162	123	85	34	9.5	36	31
9	389	95	384	176	350	147	102	77	32	7.1	18	28
10	152	147	311	187	390	135	92	70	30	6.8	12	24
11	199	433	263	318	797	124	84	67	29	6.5	9.4	22
12	189	677	222	315	1110	121	79	60	30	6.3	8.3	20
13	178	377	198	228	725	127	76	52	28	7.7	11	18
14	301	209	269	182	411	128	90	53	26	7.7	8.7	20
15	351	160	436	170	314	236	268	51	24	5.2	7.0	16
16	477	155	552	167	262	305	259	50	19	4.3	6.7	14
17	591	184	646	397	221	204	149	46	24	4.0	16	13
18	1070	183	509	721	187	147	112	42	25	3.6	18	12
19	1190	375	764	505	167	117	92	40	30	3.2	19	11
20	2460	594	1200	314	177	123	78	38	50	2.8	16	6.8
21	4280	566	1270	224	213	1160	62	37	40	3.3	17	6.5
22	2790	347	1090	162	198	3610	76	36	32	4.0	14	8.2
23	2640	243	936	154	201	2620	1520	61	35	4.6	18	4.3
24	1980	195	647	173	619	1510	6820	66	52	5.5	16	2.0
25	1450	174	399	179	1490	859	4510	46	37	10	16	.84
26	904	172	314	163	1730	420	1990	40	30	14	15	.10
27	501	1270	252	201	1020	304	1710	37	28	16	15	.00
28	334	5180	228	803	473	364	2990	35	26	16	15	.00
29	269	3580	213	1480	---	448	2700	35	23	16	15	.00
30	253	1800	201	1180	---	345	1410	51	21	15	16	.00
31	215	---	210	884	---	377	---	133	---	15	13	---
TOTAL	23798	18362	15801	12027	16908	16083	27438	3315	1068	328.1	460.1	546.14
MEAN	768	612	510	388	604	519	915	107	35.6	10.6	14.8	18.2
MAX	4280	5180	1270	1480	1730	3610	6820	807	99	23	36	126
MIN	14	95	198	154	167	117	62	35	19	2.8	6.7	.00
CFSM	3.76	3.00	2.50	1.90	2.96	2.54	4.49	.52	.17	.05	.07	.09
IN.	4.34	3.35	2.88	2.19	3.08	2.93	5.00	.60	.19	.06	.08	.10
AC-FT	47200	36420	31340	23860	33540	31900	54420	6580	2120	651	913	1080

CAL YR 1984	TOTAL	133803.8	MEAN	366	MAX	8480	MIN	2.0	CFSM	1.79	IN.	24.40	AC-FT	265400
WTR YR 1985	TOTAL	136134.34	MEAN	373	MAX	6820	MIN	.00	CFSM	1.83	IN.	24.82	AC-FT	270000

07363465 BIG CREEK NEAR PANSY, ARK.

LOCATION.--Lat 33°49'44", long 92°04'58", in NE 1/4 sec.24, T.10 S., R.10 W., Cleveland County, Hydrologic Unit 08040204, at bridge on State Highway 35, 1.0 mi upstream from Saline River, and 5.0 mi west of Pansy.

DRAINAGE AREA.--157 mi^2.

PERIOD OF RECORD.--November 1983 to current year.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
NOV, 1984									
06...	1230	9827	9827	6.2	14.0	8.0	21.0	K32	.9
DEC									
11...	1210	9827	9827	5.8	9.0	10.0	2.0	K20	1.5
JAN, 1985									
08...	1250	9827	9827	5.9	6.0	11.5	11.0	K20	.5
15...	1239	9827	9827	5.8	4.0	12.1	8.0	K28	1.0
FEB									
12...	1230	9827	9827	--	4.0	11.4	10.0	K110	1.3
MAR									
12...	1246	9827	9827	6.0	17.0	8.7	22.0	--	1.3
APR									
02...	1245	9827	9827	6.2	16.0	8.6	20.0	K30	1.3
MAY									
07...	1240	9827	9827	5.9	20.0	6.0	28.0	K36	.8
JUN									
04...	1210	9827	9827	6.6	26.0	3.3	31.0	450	2.0
JUL									
09...	1310	9827	9827	6.9	27.0	--	32.0	K40	3.6
AUG									
06...	1317	9827	9827	6.9	27.0	4.1	30.0	K30	--
SEP									
17...	1313	9827	9827	6.9	25.0	--	33.0	K18	--

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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)
NOV, 1984									
06...	1230	9.8	34	--	6.0	107	10	.01	.020
DEC									
11...	1210	25	30	32	6.0	84	10	--	.060
JAN, 1985									
08...	1250	--	38	33	9.0	90	11	.04	.090
15...	1239	15	28	33	7.0	95	9	.06	.040
FEB									
12...	1230	20	22	19	6.0	77	22	.08	.040
MAR									
12...	1246	20	30	36	9.0	109	17	.06	.070
APR									
02...	1245	30	22	35	5.5	107	33	.05	.030
MAY									
07...	1240	30	26	24	7.0	--	16	--	.130
JUN									
04...	1210	25	32	10	6.5	107	18	.10	--
JUL									
09...	1310	30	32	12	3.5	79	18	.12	.020
AUG									
06...	1317	20	22	13	3.5	64	26	.02	<.010
SEP									
17...	1313	30	24	5.0	4.0	53	270	.04	.020

07363465 BIG CREEK NEAR PANSY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)
NOV, 1984									
06...	1230	.040	.020	1	1	10	8	70	--
DEC									
11...	1210	.030	.020	<1	<1	<10	5	--	--
JAN, 1985									
08...	1250	--	.020	<1	1	14	8	50	--
15...	1239	.040	<.010	<1	<1	15	4	--	--
FEB									
12...	1230	.040	.030	<1	<1	14	13	70	--
MAR									
12...	1246	.050	.040	<1	<1	17	8	60	--
APR									
02...	1245	--	.020	<1	<1	15	5	50	--
MAY									
07...	1240	.080	.040	<1	3	<15	5	--	--
JUN									
04...	1210	--	.050	1	<1	<15	14	40	--
JUL									
09...	1310	.090	.030	<1	3	<15	3	20	--
AUG									
06...	1317	.140	.030	--	<1	<15	<1	30	--
SEP									
17...	1313	--	.030	<1	1	<15	--	--	<.001

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)
SEP, 1985								
17...	1313	<.001	<.002	<.001	<.001	<.01	<.01	<1

07363500 SALINE RIVER NEAR RYE, ARK.

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 above National Geodetic Vertical Datum of 1929. Prior to May 30, 1939, nonrecording gage at present site and datum.

REMARKS.--Estimated daily discharges: May 12 to June 2. Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--48 years, 2,626 ft^3/s, 16.97 in/yr, 1,903,000 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 discharges greater than base discharge 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)
Oct. 26	1600	*37,300	*26.88	Mar. 29	1600	16,600	28.83
Dec. 6	0100	14,500	23.87	Apr. 30	2300	28,400	25.43
Mar. 6	0100	10,400	21.98				

Minimum discharge, 73 ft^3/s Sept. 4, gage height, 4.85 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	374	13300	7740	5800	4520	4990	12500	27600	350	277	127	107
2	299	11400	7750	5690	4800	6350	10600	25200	380	256	127	94
3	248	10000	8280	5190	4990	7840	9210	23300	487	267	125	81
4	216	8990	9910	4540	5090	9140	8030	21000	505	536	131	76
5	192	8100	13400	4030	5250	10200	6970	18100	504	433	141	77
6	216	7290	14200	3770	5490	10300	6030	15200	426	274	158	84
7	2850	6540	12800	3680	5710	9520	5260	12400	354	215	161	365
8	3040	5800	11200	3710	5780	8400	4760	10200	304	187	194	545
9	2830	5080	9900	3770	5680	7020	4230	8400	262	179	217	545
10	3380	4440	8790	3760	5480	5240	3350	5840	233	177	197	545
11	4240	3800	7710	3530	5720	3390	2390	3260	220	197	281	545
12	4320	3110	6600	3110	6410	2250	1820	2040	209	201	391	456
13	4480	2570	5460	2730	6780	1800	1520	1170	198	177	372	346
14	5300	2380	4620	2420	6960	1600	1440	980	194	158	311	303
15	6460	2470	4650	2220	6960	1500	1510	860	189	147	255	255
16	7550	2630	4930	2150	6780	1450	1570	790	185	138	207	241
17	8180	2770	5060	3470	6360	1530	1640	710	180	128	185	242
18	8580	2760	5040	4250	5870	1840	1740	630	223	121	181	225
19	9070	2460	5060	4430	5300	2180	1740	590	192	114	183	197
20	9720	2320	5230	4370	4570	2460	1540	580	180	109	202	174
21	11300	2580	5690	4090	3510	4900	1290	530	209	116	192	161
22	13400	2760	6060	3640	2540	7320	1170	500	523	249	181	153
23	15900	2820	6210	3160	2240	8110	1910	470	532	341	208	146
24	18500	2890	6220	2640	3860	8730	3640	410	533	224	247	138
25	27400	3000	6120	2100	4790	8790	5050	370	533	165	281	135
26	36500	3180	6070	1750	4910	8860	5960	380	532	157	251	128
27	35300	4450	6100	1620	4860	9740	6820	420	481	160	208	123
28	29500	6400	6200	2370	4730	12900	8450	430	417	150	178	106
29	23600	7150	6260	3140	---	16300	14900	420	355	133	156	93
30	19000	7590	6190	3680	---	15800	26700	410	315	123	137	86
31	15700	---	5930	4100	---	14400	---	400	---	126	120	---
TOTAL	327645	151030	225380	108910	145940	214850	163740	183590	10205	6235	6305	6772
MEAN	10570	5034	7270	3513	5212	6931	5458	5922	340	201	203	226
MAX	36500	13300	14200	5800	6960	16300	26700	27600	533	536	391	545
MIN	192	2320	4620	1620	2240	1450	1170	370	180	109	120	76
CFSM	5.03	2.39	3.46	1.67	2.48	3.30	2.60	2.82	.16	.10	.10	.11
IN.	5.80	2.67	3.99	1.93	2.58	3.80	2.90	3.25	.18	.11	.11	.12
AC-FT	649900	299600	447000	216000	289500	426200	324800	364200	20240	12370	12510	13430

CAL YR 1984	TOTAL	1558866	MEAN	4259	MAX	36500	MIN	96	CFSM	2.03	IN.	27.59	AC-FT 3092000
WTR YR 1985	TOTAL	1550602	MEAN	4248	MAX	36500	MIN	76	CFSM	2.02	IN.	27.44	AC-FT 3076000

07364012 SALINE RIVER NEAR FOUNTAIN HILL, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1984									
09...	1620	9827	9827	3680	6.0	20.0	6.2	24.0	810
NOV									
06...	1430	9827	9827	9480	6.9	17.0	5.6	26.0	K32
DEC									
04...	1440	9827	9827	12900	6.5	9.0	8.1	6.0	K64
JAN, 1985									
15...	1340	9827	9827	2890	6.7	6.0	11.2	13.0	K30
FEB									
12...	1327	9827	9827	8330	6.8	5.0	11.9	10.0	K20
MAR									
12...	1409	9827	9827	2920	6.7	15.0	7.8	19.0	--
APR									
09...	1412	9827	9827	5500	6.9	17.0	7.8	22.0	K10
MAY									
07...	1325	9827	9827	16100	6.8	21.0	6.6	28.0	K20
JUN									
04...	1417	9827	9827	656	7.0	33.0	10.1	35.0	K20
JUL									
09...	1400	9827	9827	233	6.9	32.0	9.5	37.0	<10
AUG									
06...	1326	9827	9827	205	7.6	30.0	2.2	33.0	K72
SEP									
03...	1442	9827	9827	105	7.3	27.0	--	24.0	K30

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1984									
09...	1620	2.7	35	16	9.0	3.5	70	31	.05
NOV									
06...	1430	1.0	5.6	34	--	6.0	102	6	.02
DEC									
04...	1440	1.6	20	20	--	4.5	12	76	.03
JAN, 1985									
15...	1340	1.2	15	32	--	5.5	104	10	.12
FEB									
12...	1327	1.6	15	32	23	8.5	83	10	.10
MAR									
12...	1409	1.5	20	30	20	7.0	98	14	.10
APR									
09...	1412	.3	20	34	14	4.0	84	14	.09
MAY									
07...	1325	1.7	9.0	20	13	3.0	65	8	.08
JUN									
04...	1417	3.7	10	40	.5	5.0	136	14	--
JUL									
09...	1400	6.2	20	32	19	5.0	80	13	.16
AUG									
06...	1326	8.6	6.0	--	28	7.0	95	18	.03
SEP									
03...	1442	.6	9.0	38	38	--	--	12	.05

07364012 SALINE RIVER NEAR FOUNTAIN HILL, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT, 1984									
09...	1620	.060	--	.040	--	<1	23	--	--
NOV									
06...	1430	<.010	--	--	3	2	43	27	--
DEC									
04...	1440	.030	.080	--	<1	6	29	--	50
JAN, 1985									
15...	1340	.050	--	.020	1	2	33	13	50
FEB									
12...	1327	.020	.040	.020	<1	--	25	20	30
MAR									
12...	1409	.060	.070	--	<1	<1	35	--	40
APR									
09...	1412	.070	.040	.030	<1	1	22	17	30
MAY									
07...	1325	.010	--	.040	<1	<1	<15	<1	20
JUN									
04...	1417	.020	--	.030	<1	<1	39	--	30
JUL									
09...	1400	<.010	.060	.020	<1	2	--	1	40
AUG									
06...	1326	.020	.050	.030	--	1	35	--	--
SEP									
03...	1442	.010	.070	.020	1	<1	30	30	10

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)
AUG, 1985									
06...	1326	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07364115 BAYOU BARTHOLOMEW NEAR LADD, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
NOV, 1984									
06...	1335	9827	9827	310	6.9	16.0	8.4	21.0	K76
DEC									
11...	1327	9827	9827	360	6.4	10.0	8.1	21.0	K68
JAN, 1985									
08...	1339	9827	9827	396	6.5	7.0	9.7	18.0	130
15...	1333	9827	9827	415	6.8	6.0	10.7	7.0	110
FEB									
12...	1320	9827	9827	980	--	6.0	10.8	12.0	350
MAR									
12...	1333	9827	9827	146	7.0	18.0	7.6	18.0	--
APR									
02...	1336	9827	9827	455	7.1	17.0	5.5	20.0	490
MAY									
07...	1327	9827	9827	175	7.0	24.0	4.0	25.0	88
JUN									
04...	1310	9827	9827	57	7.2	31.0	6.2	32.0	K60
JUL									
09...	1400	9827	9827	140	7.1	29.0	--	33.0	K20
AUG									
06...	1413	9827	9827	66	7.3	28.0	5.4	27.0	4400
SEP									
17...	1405	9827	9827	35	7.4	27.0	--	32.0	K20

DATE	TIME	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	TURBIDITY (NTU) (00076)	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, RESIDUE AT 105 DEG. C, SUSPENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
NOV, 1984									
06...	1335	5.8	8.6	28	--	5.0	90	8	.10
DEC									
11...	1327	1.7	30	26	17	5.0	90	14	.09
JAN, 1985									
08...	1339	1.5	--	22	13	7.0	87	11	.14
15...	1333	1.3	30	26	15	7.0	97	10	.23
FEB									
12...	1320	2.0	45	22	11	7.0	82	29	.19
MAR									
12...	1333	2.5	30	42	15	13	111	37	.29
APR									
02...	1336	2.7	25	36	18	8.5	117	22	.21
MAY									
07...	1327	1.7	30	34	14	8.5	--	30	--
JUN									
04...	1310	3.6	20	72	7.0	17	147	38	.03
JUL									
09...	1400	3.2	50	30	13	5.0	96	46	.26
AUG									
06...	1413	3.1	35	42	12	6.0	87	52	.07
SEP									
17...	1405	2.0	15	60	5.0	13	125	12	.07

07364115 BAYOU BARTHOLOMEW NEAR LADD, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
NOV, 1984									
06...	1335	.170	.260	.270	<1	2	15	8	50
DEC									
11...	1327	.070	.140	.110	<1	<1	<10	13	--
JAN, 1985									
08...	1339	.130	--	.140	<1	41	14	21	70
15...	1333	.070	.150	.110	<1	1	17	9	--
FEB									
12...	1320	.090	.130	.090	<1	<1	15	14	60
MAR									
12...	1333	.060	.210	.110	<1	1	19	16	60
APR									
02...	1336	.530	--	.220	<1	<1	22	8	--
MAY									
07...	1327	.120	.310	.200	<1	4	20	20	--
JUN									
04...	1310	--	--	.060	<1	<1	<15	5	60
JUL									
09...	1400	.110	.300	.130	<1	7	<15	3	40
AUG									
06...	1413	.010	.220	.100	--	<1	<15	1	130
SEP									
17...	1405	.070	--	.080	<1	1	<15	--	--

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, 1984									
06...	1335	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
JAN, 1985									
08...	1339	<.002	<.002	<.004	<.002	<.002	<.01	<.01	<1
APR									
02...	1336	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1
SEP									
17...	1405	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07364150 BAYOU BARTHOLOMEW NEAR MCGEHEE, ARK.

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 U.S. Army 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 U.S. Army Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 120.48 ft above 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.--Estimated daily discharges: Mar. 22 to Apr. 20. Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--44 years (1939-42, 1946-85), 681 ft^3/s, 16.06 in/yr, 493,400 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, 3,730 ft^3/s Oct. 31; maximum gage height, 19.57 ft Nov. 1; minimum discharge, 15 ft^3/s Sept. 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	3710	702	1200	1110	1700	1900	543	108	37	91	41
2	46	3660	805	1220	1120	1660	2000	619	88	42	76	37
3	48	3570	914	1220	1120	1590	2100	682	67	50	60	34
4	48	3450	1020	1210	1090	1510	2200	728	50	62	45	32
5	47	3310	1120	1190	1020	1410	2200	755	42	64	36	30
6	59	3140	1190	1150	989	1320	2200	775	41	62	36	30
7	361	2930	1230	1100	988	1240	2100	783	48	74	54	30
8	634	2710	1270	1040	1000	1160	2000	785	52	82	66	28
9	774	2480	1300	982	1020	1080	1800	782	51	82	66	28
10	1050	2250	1310	933	1030	1000	1600	773	48	79	63	37
11	1230	2020	1310	882	1120	930	1500	756	41	78	59	31
12	1280	1810	1300	838	1180	863	1300	725	37	76	55	27
13	1330	1610	1270	801	1210	797	1200	684	31	73	50	25
14	1360	1430	1220	772	1230	732	1000	634	27	67	47	24
15	1350	1270	1170	751	1280	669	900	570	23	62	44	23
16	1300	1120	1100	773	1320	604	790	502	21	52	47	22
17	1240	980	1020	941	1370	540	700	443	19	44	58	20
18	1160	917	953	1050	1390	481	620	369	236	37	63	20
19	1090	897	889	1120	1390	431	540	304	320	29	69	19
20	1070	806	834	1170	1370	378	470	249	303	25	81	19
21	1230	701	784	1200	1340	393	402	207	239	23	84	18
22	1620	601	745	1210	1300	470	344	172	180	23	86	18
23	1970	506	727	1190	1290	590	310	140	130	26	86	22
24	2330	426	747	1160	1430	710	290	117	91	32	81	19
25	2700	364	804	1120	1510	850	267	102	65	44	74	18
26	3030	320	883	1070	1580	990	255	92	49	57	68	18
27	3290	360	963	1030	1650	1200	257	87	41	67	64	17
28	3480	455	1030	1060	1700	1300	270	87	39	75	61	16
29	3630	532	1080	1060	---	1400	316	106	36	88	58	15
30	3700	609	1110	1080	---	1600	395	117	33	101	53	15
31	3720	---	1130	1100	---	1800	---	118	---	103	47	---
TOTAL	46223	48944	31930	32623	35147	31398	32226	13806	2556	1816	1928	733
MEAN	1491	1631	1030	1052	1255	1013	1074	445	85.2	58.6	62.2	24.4
MAX	3720	3710	1310	1220	1700	1800	2200	785	320	103	91	41
MIN	46	320	702	751	988	378	255	87	19	23	36	15
AC-FT	91680	97080	63330	64710	69710	62280	63920	27380	5070	3600	3820	1450

CAL YR 1984 TOTAL 340427 MEAN 930 MAX 3720 MIN 20 AC-FT 675200
WTR YR 1985 TOTAL 279330 MEAN 765 MAX 3720 MIN 15 AC-FT 554100

07364600 BAYOU DE LOUTRE NEAR EL DORADO, ARK.

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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984										
09...	1130	9827	9827	--	5.3	20.0	4.8	23.0	K190	2.4
NOV										
06...	0945	9827	9827	--	7.1	12.0	6.7	16.0	450	1.4
DEC										
04...	0927	9827	9827	--	--	7.0	--	5.0	130	--
JAN, 1985										
15...	0853	9827	9827	--	7.0	4.0	10.0	2.0	K120	2.6
FEB										
12...	0850	9827	9827	--	6.3	4.0	10.3	3.0	270	1.9
MAR										
12...	0924	9827	9827	2640	6.9	13.0	5.4	12.0	--	5.5
APR										
09...	0930	9827	9827	--	7.1	16.0	6.3	20.0	K50	1.5
MAY										
07...	0900	9827	9827	--	7.4	23.0	4.3	26.0	230	3.2
JUN										
04...	0912	9827	9827	--	7.8	28.0	3.9	33.0	3300	5.4
JUL										
09...	0853	9827	9827	--	7.8	27.0	4.0	32.0	390	--
AUG										
06...	0904	9827	9827	--	7.8	27.0	2.8	29.0	K1000	--
SEP										
03...	0916	9827	9827	--	7.8	25.0	--	25.0	K840	2.9

DATE	TIME	TURBIDITY (NTU) (00076)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	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, 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, 1984										
09...	1130	8.0	--	140	32	300	729	12	.25	.080
NOV										
06...	0945	20	--	190	--	--	886	22	.91	.120
JAN, 1985										
15...	0853	15	--	92	--	80	510	17	>1.0	.070
FEB										
12...	0850	20	--	88	28	240	430	14	.24	.110
MAR										
12...	0924	20	51	270	61	170	1610	49	1.5	1.20
APR										
09...	0930	25	--	270	47	660	1330	30	1.4	.270
MAY										
07...	0900	20	--	290	53	890	1780	34	1.7	.200
JUN										
04...	0912	20	--	320	82	1100	2180	47	--	.240
JUL										
09...	0853	25	--	110	150	260	828	41	1.3	.160
AUG										
06...	0904	15	--	--	93	1400	2780	30	.89	.230
SEP										
03...	0916	15	--	560	94	--	--	40	.75	.370

07364600 BAYOU DE LOUTRE NEAR EL DORADO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT, 1984										
09...	1130	--	.080	--	--	<1	80	--	--	--
NOV										
06...	0945	--	--	<5	1	6	19	38	<5	--
JAN, 1985										
15...	0853	--	.140	<5	<1	4	13	18	<5	50
FEB										
12...	0850	.090	.060	--	<1	--	32	19	--	70
MAR										
12...	0924	.240	--	--	1	3	30	--	--	--
APR										
09...	0930	.120	.060	2	1	3	20	44	1	70
MAY										
07...	0900	--	.070	--	<1	1	<15	1	--	20
JUN										
04...	0912	--	.130	--	1	3	39	--	--	70
JUL										
09...	0853	.440	.250	2	1	3	--	33	<1	60
AUG										
06...	0904	.230	.140	--	--	6	26	--	--	--
SEP										
03...	0916	.270	.190	--	1	1	37	72	--	70

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)
JUL, 1985									
09...	0853	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

07365800 CORNIE BAYOU NEAR THREE CREEKS, ARK.

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.--Estimated daily discharges: June 1-20, June 22 to Aug. 5, and Aug. 7-22. Water-discharge records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--29 years, 176 ft^3/s, 13.28 in/yr, 127,500 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 discharges greater than base discharge 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)
Oct. 23	1900	2,370	10.74	Feb. 25	1600	1,840	10.41
Nov. 27	2400	*6,710	*11.92	Mar. 22	1600	3,050	10.79

No flow at times.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.12	222	819	195	369	371	778	254	4.5	2.5	1.0	.00
2	.03	310	579	266	341	253	593	408	4.0	2.0	.55	.00
3	.00	307	375	287	284	240	496	394	3.5	2.0	.35	.00
4	.44	309	221	233	234	223	281	235	3.5	6.0	.20	2.7
5	1.0	336	156	142	257	208	169	94	3.0	6.0	.10	32
6	1.3	250	162	101	323	201	123	51	3.0	5.5	.00	28
7	117	139	183	83	408	172	100	35	2.5	4.5	.00	20
8	235	91	201	74	460	126	84	25	2.5	3.5	.00	8.3
9	189	70	171	61	460	106	62	19	2.5	3.0	.00	1.9
10	122	54	135	65	428	98	48	16	2.5	2.5	.00	.16
11	165	43	114	93	664	93	55	14	2.5	2.5	.15	.05
12	243	38	103	125	993	84	39	12	3.5	2.5	.20	1.4
13	373	33	93	104	1030	83	34	11	5.0	2.5	.15	.23
14	361	27	128	75	835	93	33	10	7.0	3.0	.15	.03
15	336	23	305	57	585	175	38	19	10	2.5	.15	.00
16	284	23	980	102	368	191	38	25	9.0	2.0	.15	.00
17	259	30	718	386	272	148	33	19	7.0	7.0	.15	.00
18	222	36	534	587	239	102	24	11	5.0	5.0	.15	.00
19	173	55	447	744	194	80	19	8.9	10	8.0	1.5	.00
20	133	138	401	558	161	132	15	6.9	30	9.0	7.0	.00
21	505	186	430	444	140	835	12	6.3	23	6.0	6.0	.00
22	1500	132	441	271	133	2620	12	7.5	15	9.5	5.4	.00
23	2220	80	354	151	183	2250	118	7.8	10	15	2.1	.00
24	2010	53	232	105	675	1350	457	8.4	7.5	25	.34	.00
25	1860	45	154	106	1580	932	920	13	6.0	35	.00	.00
26	1410	96	116	112	1410	701	814	11	5.0	20	.00	.00
27	938	3820	95	118	919	638	515	9.1	4.5	15	.00	.00
28	666	4900	83	240	622	720	215	7.2	3.5	9.0	.00	.00
29	432	1950	82	294	---	757	137	6.1	3.0	6.5	.00	.00
30	220	1160	84	338	---	942	123	5.3	2.5	4.5	.00	.60
31	152	---	97	375	---	1020	---	4.6	---	2.0	.00	---
TOTAL	15127.89	14956	8993	6892	14567	15944	6385	1754.1	200.5	229.0	25.79	95.37
MEAN	488	499	290	222	520	514	213	56.6	6.68	7.39	.83	3.18
MAX	2220	4900	980	744	1580	2620	920	408	30	35	7.0	32
MIN	.00	23	82	57	133	80	12	4.6	2.5	2.0	.00	.00
CFSM	2.71	2.77	1.61	1.23	2.89	2.86	1.18	.31	.04	.04	.00	.02
IN.	3.13	3.09	1.86	1.42	3.01	3.30	1.32	.36	.04	.05	.01	.02
AC-FT	30010	29670	17840	13670	28890	31620	12660	3480	398	454	51	189

CAL YR 1984	TOTAL	88248.28	MEAN	241	MAX	4900	MIN	.00	CFSM	1.34	IN.	18.24	AC-FT	175000
WTR YR 1985	TOTAL	85169.65	MEAN	233	MAX	4900	MIN	.00	CFSM	1.29	IN.	17.60	AC-FT	168900

07365800 CORNIE BAYOU NEAR THREE CREEKS, ARK.--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 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	TEMPERATURE, AIR (DEG C) (00020)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1984										
23...	1545	9827	9827	2300	5.5	15.0	6.7	12.0	440	1.3
NOV										
20...	1520	9827	9827	155	5.6	9.0	8.5	6.0	K110	.8
DEC										
18...	1500	9827	9827	533	5.5	18.0	5.8	28.0	210	.8
JAN, 1985										
29...	1500	9827	9827	302	5.9	5.0	11.1	10.0	K80	.6
FEB										
26...	1530	9827	9827	1300	5.4	15.0	--	18.0	930	1.0
MAR										
26...	1500	9827	9827	673	6.1	17.0	7.9	28.0	--	1.6
APR										
23...	1445	9827	9827	158	6.4	--	6.6	--	K1800	2.2
MAY										
21...	1428	9827	9827	6.6	5.6	21.0	--	24.0	K10	4.9
JUN										
18...	1524	9827	9827	5.0	5.6	25.0	4.5	26.0	250	1.5
JUL										
30...	1454	9827	9827	4.5	6.6	--	5.5	--	K52	2.1
AUG										
20...	1512	9827	9827	7.0	6.7	29.0	3.8	34.0	280	2.5
SEP										
17...	1452	9827	9827	.00	--	--	--	--	K32	--

DATE	TIME	TURBIDITY (NTU) (00076)	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, 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, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT, 1984										
23...	1545	20	32	9.0	43	176	16	.03	.040	--
NOV										
20...	1520	6.9	140	8.0	240	587	12	.06	.050	--
DEC										
18...	1500	8.0	50	8.0	80	238	9	.03	<.010	.60
JAN, 1985										
29...	1500	--	86	12	120	322	15	.10	.080	--
FEB										
26...	1530	30	50	11	--	181	19	<.01	<.010	--
MAR										
26...	1500	20	58	12	90	23	16	.05	.010	--
APR										
23...	1445	35	110	9.0	240	515	50	.15	.280	--
MAY										
21...	1428	15	220	3.0	390	809	20	--	.350	--
JUN										
18...	1524	25	290	1.0	540	1100	20	.25	.300	--
JUL										
30...	1454	15	72	9.0	110	--	--	.14	.070	--
AUG										
20...	1512	15	54	7.0	44	149	6	.09	.020	--

07365800 CORNIE BAYOU NEAR THREE CREEKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	NITROGEN, TOTAL (MG/L AS N) (00600)	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)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	SELENIUM, TOTAL (UG/L AS SE) (01147)
OCT, 1984										
23...	1545	--	.080	.040	--	2	2	58	--	--
NOV										
20...	1520	--	.040	.020	<5	1	6	35	46	<5
DEC										
18...	1500	.63	--	.030	--	1	5	--	--	--
JAN, 1985										
29...	1500	--	.070	.010	<5	1	5	31	33	<5
FEB										
26...	1530	--	.100	.030	--	1	13	44	--	--
MAR										
26...	1500	--	--	.030	--	1	5	49	80	--
APR										
23...	1445	--	.100	.040	2	1	2	51	46	<1
MAY										
21...	1428	--	.050	.010	--	1	<1	59	23	--
JUN										
18...	1524	--	.040	.010	--	2	1	50	--	--
JUL										
30...	1454	--	.110	.030	--	2	<1	48	35	--
AUG										
20...	1512	--	.100	.050	--	--	<1	29	19	--

DATE	TIME	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	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, 1984										
23...	1545	100	--	--	--	--	--	--	--	--
NOV										
20...	1520	100	--	--	--	--	--	--	--	--
JAN, 1985										
29...	1500	70	--	--	--	--	--	--	--	--
FEB										
26...	1530	60	--	--	--	--	--	--	--	--
APR										
23...	1445	110	--	--	--	--	--	--	--	--
JUN										
18...	1524	100	--	--	--	--	--	--	--	--
JUL										
30...	1454	100	<.001	<.001	<.002	<.001	<.001	<.01	<.01	<1

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, Ark.	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	1962-85	10-21-84	6.84	85
07047820	Murray Creek near Jonesboro, Ark.	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	1960-85	--	unknown	unknown
07047880	Pope Creek tributary at Birdeye, Ark.	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	1963-85	10-23-84	4.10	48
		White River basin					
07047990	West Fork White River tributary near Greenland, Ark.	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	1960-85	10-20-84	5.46	140
07049000	War Eagle Creek near Hindsville, Ark.	Lat 36°12'02", long 93°51'20", in SE 1/4 NE 1/4 sec.28, T.18 N., R.27 W., Madison County, on left bank about 800 ft above bridge on State Highway 45, 3.9 miles north of Hindsville.	262	1953-70† 1971-77 1985	02-23-85	22.88	24,700
07050500	Kings River near Berryville, Ark.	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† 1976-85	10-25-84	13.79	7,510
07054450	East Sugarloaf Creek tributary near Lead Hill, Ark.	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	1962-85	02-24-85	7.36	179
07055000	White River near Flippin, Ark.	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† 1981-85	03-29-85	14.08	31,800
07055550	Crooked Creek tributary near Dogpatch, Ark.	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	1961-85	--	<4.50	<125
07055608	Crooked Creek at Yellville, Ark.	Lat 33°13'23", long 92°40'47", in NW 1/4 NE 1/4 sec.9, T.18 N., R.16 W., Marion County, on left bank at bridge on State Highway 14, at Yellville.	406	1985	02-23-85	24.01	(a)

† Operated as a continuous-record gaging station.
a 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					
07057300	Dodd Creek tributary near Mountain Home, Ark.	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	1961-85	09-05-85	13.58	800
07060600	Band Mill Creek near Brockwell, Ark.	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	1961-85	03-31-85	7.03	520
07061000	White River at Batesville, Ark.	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	1978-85	02-24-85	19.75	132,000
07061100	Gibbs Creek at Sulphur Rock, Ark.	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	1962-85	10-11-84	6.06	305
07069000	Black River at Pocahontas, Ark.	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, 1981-85	12-26-84	23.19	43,200
07069250	Brush Creek near Mammoth Spring, Ark.	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	1961-85	11-27-84	9.66	280
07072200	Hubble Creek near Pocahontas, Ark.	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	1961-85	10-20-84	8.27	400
07073500	Piney Fork near Evening Shade, Ark.	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, on right bank, 20 ft. upstream from bridge on U.S. Highway 167, 0.8 mi north of Evening Shade.	99.2	1939-84† 1985	11-27-84	17.59	8,490
07074420	Black River at Elgin Ferry, Ark.	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	1979-85	04-03-85	25.88	(a)
07074850	White River near Augusta, Ark.	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	1983-85	02-27-85	33.76	94,200
07074900	Trace Creek tributary near Marshall, Ark.	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	1961-85	05-07-84 02-23-85	[b]8.99 9.10	[b]145 153
07075000	Middle Fork Little Red River at Shirley, Ark.	Lat 35°39'10", long 92°19'10", in SW 1/4 sec.20, T.12 N., R.12 W., Van Buren County, on right bank 0.5 mi downstream from Sugar Camp (or Weavers) Creek, 1.0 mi east of Shirley.	302	1939-84† 1985	03-30-85	23.24	34,300

† Operated as a continuous-record gaging station.
a Not determined.
b Revised.

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					
07075600	Choctaw Creek tributary near Choctaw, Ark.	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	1964-85	09-04-85	14.68	710
07075800	Dill Branch tributary near Ida, Ark.	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	1964-85	11-27-84	6.35	32
07076000	Little Red River near Heber Springs, Ark.	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† 1981-85	03-29-85	15.90	7,930
07076750	White River at Georgetown, Ark.	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	1978-85	04-05-85	23.94	94,900
07076870	Pigeon Roost Creek at Butlerville, Ark.	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	1961-85	05-03-84 11-27-84	10.54 11.44	b1,800 3,800
07077200	Big Creek tributary near Boydsville, Ark.	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	1962-85	10-21-84	7.41	350
07077340	Sugar Creek tributary near Walcott, Ark.	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	1963-85	11-27-84	6.41	180
07077430	Willow Ditch near Egypt, Ark.	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	1963-85	10-21-84	4.96	26
07077920	Big Creek at Goodwin, Ark.	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	1961-85	10-23-84	9.34	600
07078210	Tarleton Creek tributary at Ethel, Ark.	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	1963-85	10-07-84	5.27	73
		Arkansas River basin					
07195450	Ballard Creek at Summers, Ark.	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	1963-85	21-21-84	7.84	2,300
07249447	Mill Creek at Fort Smith, Ark.	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	1981-85	02-23-85	35.90	2,180
07249457	May Branch at Fort Smith, Ark.	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	1981-85	02-23-85	67.93	560

† Operated as a continuous-record gaging station.
b Revised.

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					
07249500	Cove Creek near Lee Creek, Ark.	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† 1971-85	02-23-85	7.35	2,860
07250515	Sunnymede Creek at Fort Smith, Ark.	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	1981-85	02-23-85	6.15	114
07251500	Frog Bayou at Rudy, Ark.	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† 1971-85	03-30-85	13.22	14,500
07252200	North Fork White Oak Creek tributary near Watalula, Ark.	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	1961-85	03-30-85	7.68	330
07256500	Spadra Creek at Clarksville, Ark.	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† 1971-85	02-23-85	12.25	8,840
07257100	Minnow Creek tributary near Hagarville, Ark.	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	1962-85	11-25-84	3.78	36
07257200	Little Piney Creek near Lamar, Ark.	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	1978-85	02-23-85	14.45	11,600
07257500	Illinois Bayou near Scottsville, Ark.	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† 1971-85	02-23-85	16.95	21,600
07257700	McCoy Creek near Dover, Ark.	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	1961-85	10-25-84	7.87	1,500
07258200	Pack Saddle Creek tributary near Waldron, Ark.	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	1961-85	10-21-84	9.42	689
07258500	Petit Jean River near Booneville, Ark.	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, 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.	241	1938-84† 1985	10-21-84	22.03	11,100
07259500	Petit Jean River near Waveland, Ark.	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† 1981-85	12-30-84	17.40	3,420
07260000	Dutch Creek at Waltreak, Ark.	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† 1976-85	10-20-84	19.66	15,000

† 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	Gage height (feet)	Discharge (ft^3/s)
		Arkansas River basin--Continued					
07260673	West Fork Point Remove Creek near Hattieville, Ark.	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	1978-85	10-20-84	20.40	7,460
07260679	East Fork Point Remove Creek tributary near Saint Vincent, Ark.	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	1967-85	03-30-85	6.75	51
07261250	Cadron Creek near Conway, Ark.	Lat 35°06'53', long 92°31'35", in NE 1/4 SE 1/4 sec.31, T.6 N., R.14 W., Faulkner County, about 600 ft downstream from bridge on U.S. Highway 64, 4.0 mi west of Conway.	752	1979-85	12-04-82 04-10-84 02-25-85	c22.23 11.64 23.25	(a) c4,430 (a)
07261800	Brogan Creek near Rover, Ark.	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	1963-85	10-25-84	7.16	510
07262500	Fourche LaFave River near Nimrod, Ark.	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† 1981-85	11-04-84	12.66	9,870
07263012	Fourche LaFave River near Aplin, Ark.	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	1980-85	10-20-84	33.79	24,700
07263100	Fourche LaFave River tributary near Perryville, Ark.	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	1962-85	03-21-85	9.61	720
07263400	Little Maumelle River at Ferndale, Ark.	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	1963-85	10-18-84	11.78	3,700
07263530	Fourche Creek at Red Gate, Ark.	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, 1981-85	10-19-84	14.00	6,100
07263570	Grassy Flat Creek at Little Rock, Ark.	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, 1981-85	10-18-84	11.70	4,000
07263580	Rock Creek at Little Rock, Ark.	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	1978-85,	10-18-84	13.23	8,900
07263910	Cypress Branch near Jacksonville, Ark.	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	1961-85	03-21-85	11.37	860
07264100	White Oak Branch near Lonoke, Ark.	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	1961-85	04-23-85	8.98	1,050

† Operated as a continuous-record gaging station.
a Not determined.
c 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					
07339500	Rolling Fork near DeQueen, Ark.	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† 1981-85	10-25-84	12.52	3,810
07339800	Pepper Creek near DeQueen, Ark.	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	1961-85	03-31-85	7.87	2,400
07340500	Cossatot River near DeQueen, Ark.	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† 1981-85	10-25-84	15.62	15,600
07340530	Mill Slough tributary near Lockesburg, Ark.	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	1963-85	10-25-84	4.30	94
07341000	Saline River near Dierks, Ark.	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† 1981-85	04-22-85	8.96	1,610
07355800	Lewis Creek tributary near Mena, Ark.	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	1961-85	10-25-84	4.51	296
07357700	Glazypeau Creek at Mountain Valley, Ark.	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	1961-85	10-19-84	12.69	2,800
07361020	Prairie Creek tributary near Kirby, Ark.	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	1963-85	02-24-85	3.60	43
07361180	South Fork Ozan Creek near Ozan, Ark.	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	1963-85	02-24-85	21.60	3,800
07361680	Middle Caney Creek tributary near Rosston, Ark.	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	1961-85	--	<6.51	<20
07362330	Dunn Creek near Hampton, Ark.	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	1962-85	10-23-84	7.74	800
07362500	Moro Creek near Fordyce, Ark.	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, on downstream side of bridge on State Highway 8, 4.0 mi southeast of Fordyce.	240	1952-83† 1984-85	10-24-84	13.61	8,110
07363000	Saline River at Benton, Ark.	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† 1980-85	10-19-84	24.93	52,500

† 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	Gage height (feet)	Discharge (ft^3/s)
		Red River basin--Continued					
07363050	Holly Creek tributary near Benton, Ark.	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	1962-85	10-19-84	6.11	355
07363200	Saline River near Sheridan, Ark.	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† 1983-85	10-22-84	18.58	31,100
07363450	Varnell Creek near Rison, Ark.	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	1964-85	10-24-84	6.28	65
07364030	L'Aigle Creek tributary near Hermitage, Ark.	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	1963-85	10-07-84	3.52	3.5
07364110	Nevins Creek tributary near Pine Bluff, Ark.	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	1961-85	10-24-84	d5.56	155
07364550	Caney Creek tributary near El Dorado, Ark.	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	1961-85	10-07-84	7.83	70
07367658	Cypress Creek Canal No. 19 tributary near Dumas, Ark.	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	1961-85	10-27-84	6.83	68
07367740	Camp Bayou near Parkdale, Ark.	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	1963-85	10-07-84	8.12	235

† Operated as a continuous-record gaging station.
d From floodmark.

Measurements at Miscellaneous Sites

Measurements of streamflow at points other than gaging stations or partial-record stations are given in the following table. Those that are measurements of base flow are designated by an asterisk (*); measurements of peak flow by a dagger (†).

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1985

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
		St. Francis River basin				
Second Creek	L'Anguille River	Lat 35°02'20", long 90°54'40", in SW 1/4 SE 1/4, sec.17, T.5 N., R.2 E., St. Francis County at bridge on county road 4.0 mi north of Palestine.	(a)	1984	01-10-85	129
					04-02-85	166
					07-22-85	5.12
		White River basin				
West Fork White River	White River	Lat 36°03'11", long 94°06'16", in NE 1/4 NE 1/4, sec.24, T.16 N., R.30 W., Washington County on downstream side of bridge on State Highway 16 near Baldwin.	(a)	--	09-23-85	8.89
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, 1983-84	10-24-84	204
					01-08-85	354
					04-24-85	467
					08-14-85	43.4
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)	1974-84	11-28-84	1,480
					02-14-85	252
					06-19-85	129
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)	1974-84	11-04-84	1.57
					01-09-85	131
					04-02-85	168
					07-23-85	0
Wattensaw Bayou	White River	Lat 34°52'34", long 91°33'56", in SE 1/4 SE 1/4 sec.18, T.3 N., R.5 W., Prairie County, at bridge on State Highway 11, 7.0 mi north of Hazen.	(a)	1984	11-16-84	518
					01-28-85	632
					04-30-85	905
					07-24-85	0
		Arkansas River basin				
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	1971-84	11-06-84	41.8
					01-29-85	26.5
					04-23-85	28.8
					07-16-85	8.98
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[b] 1974-78 1979-81[c] 1982-84	08-28-85	17.6
					09-27-85	17.8
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[c] 1977, 1982-84	11-06-84	176
					01-29-85	167
					04-23-85	190
					07-17-85	38.9
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[c] 1982-84	11-06-84	611
					01-29-85	445
					04-23-85	647
					08-28-85	161
					09-27-85	166
Poteau River	Arkansas River	Lat 34°54'47", long 94°06'28", in SE 1/4 SW 1/4 sec.17, T.3 N., R.29 W., Scott County, at bridge on U.S. Highway 71, 0.9 mi north of Waldron.	(a)	1984	10-02-84	0.04
					12-19-84	47.1
					04-25-85	34.8
					07-17-85	1.83

a Not determined.
b Operated as a low-flow partial-record station.
c Operated as a continuous-record gaging station.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1985--Continued

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		Arkansas River basin--Continued				
Hurricane Creek	Mulberry River	Lat 35°42'23", long 94°01'37", in SW 1/4 SE 1/4 sec.13, T.12 N., R.29 W., Crawford County, at bridge on Forest Road, 4.8 mi north of Fern.	(a)	1984	03-15-85 06-19-85 06-26-85 08-07-85 09-11-85	27.5 0.59 0.11 0.12 0.01
Big Shoal Creek	Arkansas River	Lat 35°11'41", long 93°32'37", in NW 1/4 SW 1/4 sec.10, T.6 N., R.24 W., Logan County, at low water crossing on county road 5.9 mi north of Havana.	(a)	1984	03-12-85 06-19-85 06-25-85 08-06-85 09-11-85	12.0 0.52 0.26 0 [d]0.01
Mill Creek	Illinois Bayou	Lat 35°30'19", long 93°00'11", in NE 1/4 NW 1/4 sec.22, T.10 N., R.19 W., Pope County, at bridge on Forest Road 3.2 mi northwest of Hector.	(a)	1984	03-15-85 06-27-85 07-18-85 08-06-85 09-11-85	9.72 0.16 [d]0.01 0.03 [d]0.01
Chickalah Creek	Petit Jean River	Lat 35°09'36", long 93°17'34", in SW 1/4 sec.24, T.6 N., R.22 W., Yell County, at bridge on State Highway 27, 0.5 mi upstream from Little Chickalah Creek and 1.0 mi southwest of Chickalah.	(a)	1964-67[b], 1984	11-21-84 02-13-85 04-25-85 07-17-85	119 62.8 101 0.01
		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)	1973-84	10-03-84 12-18-84 02-12-85 06-06-85 09-12-85	27.2 457 94.3 21.8 13.4
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)	1974-84	10-03-84 11-06-84 02-13-85	1.0 343 692
Caddo River	Ouachita River	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, at bridge on State Highway 84, 2.9 mi northeast of Amity.	291	1984	11-13-84 02-08-85 04-25-85 07-17-85	442 624 1,850 113
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[b] 1974-84	10-01-84 02-08-85 04-25-85 07-17-85	34.7 125 437 28.6
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[b] 1974-84	10-30-84 01-22-85 04-29-85 08-06-85 09-24-85	1,740 890 1,120 0 0
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)	1974-84	11-20-84 02-08-85 05-01-85 07-24-85	169 124 198 15.0
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, 1974-84	01-29-85 06-28-85	373 3.20
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[b] 1971-75, 1978-84	11-06-84 03-13-85 08-06-85	42.5 38.6 13.3

a Not determined.
b Operated as a low-flow partial-record station.
d Estimated.
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 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN

07048800 RICHLAND CREEK AT GOSHEN, ARK.
(LAT 36 06 10 LONG 094 00 25)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
13...	1430	80513	80513	.00	6.0	730	K5100	.00	--
13...	1435	80513	80010	3.00	6.0	730	--	--	100
MAY, 1985									
06...	1330	80513	80513	.00	8.0	746	120	1.80	--
06...	1331	80513	80010	3.00	8.0	746	--	--	--
06...	1335	80513	80010	4.00	8.0	746	--	--	114
AUG									
05...	1330	80513	80513	.00	6.0	735	<10	.00	--
05...	1335	80513	80010	3.00	6.0	735	--	--	187

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
13...	1435	7.5	9.5	4.5	80	9.5	87	2.8
MAY, 1985								
06...	1335	7.7	18.5	4.5	15	9.7	106	1.2
AUG								
05...	1335	7.5	24.5	95	20	8.9	111	3.7

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
DEC, 1984								
13...	1435	48	33	.90	.320	.220	<.100	<.100
MAY, 1985								
06...	1331	--	--	--	--	--	<.100	<.100
06...	1335	50	40	.50	<.010	<.010	--	--
AUG								
05...	1335	62	--	.80	W160	.150	3.50	<.100

07048910 BEAVER LAKE AT HIGHWAY 68 BRIDGE NEAR SONORA, ARK.
(LAT 36 06 14 LONG 094 00 26)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
13...	1400	80513	80513	.00	50.0	730	8	1.00	--
13...	1401	80513	80010	3.00	50.0	730	--	--	--
13...	1405	80513	80010	25.0	50.0	730	--	--	100
MAY, 1985									
06...	1415	80513	80513	.00	47.0	746	52	.50	--
06...	1416	80513	80010	3.00	47.0	746	--	--	--
06...	1420	80513	80010	23.5	47.0	746	--	--	83
AUG									
05...	1400	80513	80513	.00	44.0	735	60	.70	--
05...	1401	80513	80010	3.00	44.0	735	--	--	--
05...	1405	80513	80010	22.0	44.0	735	--	--	139

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07048910 BEAVER LAKE AT HIGHWAY 68 BRIDGE NEAR SONORA, ARK.--CONTINUED

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
13...	1405	7.6	6.5	4.5	5	9.6	82	1.2
MAY, 1985								
06...	1420	7.6	16.5	20	55	10.8	113	1.4
AUG								
05...	1405	7.4	24.0	80	460	6.7	83	6.7

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
13...	1401	--	--	--	--	--	.400	<.100
13...	1405	50	42	1.0	.040	.060	--	--
MAY, 1985								
06...	1416	--	--	--	--	--	<.100	<.100
06...	1420	36	26	.40	.030	.030	--	--
AUG								
05...	1401	--	--	--	--	--	6.80	<.100
05...	1405	56	--	.70	.310	.260	--	--

07049050 BEAVER LAKE AT WAR EAGLE, ARK.
(LAT 36 16 03 LONG 093 56 35)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
13...	1300	80513	80513	.00	4.0	732	K450	.00	--
13...	1305	80513	80010	2.00	4.0	732	--	--	140
MAY, 1985									
06...	1530	80513	80010	.00	4.0	746	130	1.20	--
06...	1535	80513	80010	2.00	4.0	746	--	--	150
AUG									
05...	1500	80513	80513	.00	6.0	735	<10	.00	--
05...	1505	80513	80010	3.00	6.0	735	--	--	160

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COZALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
13...	1305	7.7	9.5	3.0	5	9.9	90	1.0
MAY, 1985								
06...	1535	7.9	18.0	3.0	5	9.5	103	2.1
AUG								
05...	1505	7.5	22.5	60	35	7.6	91	5.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07049050 BEAVER LAKE AT WAR EAGLE, ARK.--CONTINUED

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
13...	1305	70	62	1.0	<.010	.020	.600	<.100
MAY, 1985								
06...	1535	70	64	.60	<.010	<.010	1.20	<.100
AUG								
05...	1505	74	62	1.0	.250	.210	11.0	<.100

07049200 BEAVER LAKE AT ROGERS WATER INTAKE NEAR LOWELL, ARK.
(LAT 36 15 31 LONG 094 04 09)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
14...	0900	80513	80513	.00	95.0	746	2	.70	--
14...	0901	80513	80010	3.00	95.0	746	--	--	--
14...	0905	80513	80010	19.0	95.0	746	--	--	90
14...	0910	80513	80010	76.0	95.0	746	--	--	90
MAY, 1985									
07...	1430	80513	80513	.00	90.0	744	6	1.10	--
07...	1431	80513	80010	3.00	90.0	744	--	--	--
07...	1435	80513	80010	18.0	90.0	744	--	--	106
07...	1440	80513	80010	72.0	90.0	744	--	--	115
AUG									
06...	1015	80513	80513	.00	90.0	736	6	2.40	--
06...	1016	80513	80010	3.00	90.0	736	--	--	--
06...	1020	80513	80010	18.0	90.0	736	--	--	129
06...	1025	80513	80010	72.0	90.0	736	--	--	133

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS (MG/L AS CACO3) (00900)
DEC, 1984									
14...	0905	7.4	7.5	8.0	30	9.8	83	1.7	46
14...	0910	7.3	7.0	15	30	9.3	78	2.6	42
MAY, 1985									
07...	1435	7.3	17.0	3.5	25	6.9	73	1.5	46
07...	1440	6.8	9.0	1.3	30	--	--	1.0	50
AUG									
06...	1020	7.3	27.5	1.5	10	4.9	64	1.6	56
06...	1025	7.0	11.5	30	35	1.6	15	1.6	56

DATE	TIME	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
DEC, 1984									
14...	0905	55	1.0	.050	.050	270	<1	10	2
14...	0910	51	.90	.030	.030	510	<1	10	1
MAY, 1985									
07...	1435	38	.50	.020	.030	340	<1	<10	2
07...	1440	40	1.0	.030	.030	740	<1	<10	1
AUG									
06...	1020	51	<.10	<.010	.010	60	<1	<10	7
06...	1025	55	.30	.010	.020	500	2	<10	7

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07049200 BEAVER LAKE AT ROGERS WATER INTAKE NEAR LOWELL, ARK.--CONTINUED

DATE	TIME	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)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984									
14...	0901	--	--	--	--	--	--	1.80	<.100
14...	0905	550	<1	40	<.1	3	20	--	--
14...	0910	1100	1	90	.1	3	10	--	--
MAY, 1985									
07...	1431	--	--	--	--	--	--	16.0	<.100
07...	1435	600	<1	20	<.1	5	20	--	--
07...	1440	1100	1	90	<.1	1	20	--	--
AUG									
06...	1016	--	--	--	--	--	--	2.80	<.100
06...	1020	100	2	80	<.1	4	<10	--	--
06...	1025	2300	3	2000	<.1	5	90	--	--

07049230 BEAVER LAKE AT MONTE NE, ARK.
(LAT 36 16 56 LONG 094 04 30)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
14...	0930	80513	80513	.00	16.0	746	6	.70	--
14...	0931	80513	80010	3.00	16.0	746	--	--	--
14...	0935	80513	80010	8.00	16.0	746	--	--	180
MAY, 1985									
07...	1530	80513	80513	.00	14.0	744	9	1.10	--
07...	1531	80513	80010	3.00	14.0	744	--	--	--
07...	1535	80513	80010	7.00	14.0	744	--	--	108
AUG									
06...	1045	80513	80513	.00	10.0	737	150	1.80	--
06...	1046	80513	80010	3.00	10.0	737	--	--	--
06...	1050	80513	80513	5.00	10.0	737	--	--	127

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
14...	0935	7.4	9.0	3.0	10	9.9	88	1.6
MAY, 1985								
07...	1535	7.7	20.0	4.4	15	10.2	115	2.1
AUG								
06...	1050	8.2	28.0	15	5	7.4	98	1.2

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
14...	0931	--	--	--	--	--	8.00	<.100
14...	0935	78	124	1.6	.020	.020	--	--
MAY, 1985								
07...	1531	--	--	--	--	--	1.20	<.100
07...	1535	48	40	.40	<.010	.020	--	--
AUG								
06...	1046	--	--	--	--	--	4.40	<.100
06...	1050	54	51	<.10	<.010	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07049500 BEAVER LAKE AT HIGHWAY 12 BRIDGE NEAR ROGERS, ARK.
(LAT 36 19 57 LONG 094 01 08)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
14...	0800	80513	80513	.00	130	745	1	.90	--
14...	0801	80513	80010	3.00	130	745	--	--	--
14...	0805	80513	80010	26.0	130	745	--	--	120
14...	0810	80513	80010	104	130	745	--	--	120
MAY, 1985									
07...	0900	80513	80513	.00	120	744	0	1.30	--
07...	0901	80513	80010	3.00	120	744	--	--	--
07...	0905	80513	80010	24.0	120	744	--	--	99
07...	0910	80513	80010	96.0	120	744	--	--	112
AUG									
06...	0945	80513	80513	.00	120	737	6	2.40	--
06...	0946	80513	80010	3.00	120	737	--	--	--
06...	0950	80513	80010	24.0	120	737	--	--	115
06...	0955	80513	80010	96.0	120	737	--	--	121

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)
DEC, 1984									
14...	0805	7.4	9.0	10	15	9.1	81	1.2	54
14...	0810	7.2	8.5	10	20	8.2	72	1.4	52
MAY, 1985									
07...	0905	7.4	17.0	7.0	35	9.0	95	1.4	43
07...	0910	7.1	7.5	8.2	35	8.6	73	1.6	49
AUG									
06...	0950	8.1	27.0	1.1	10	6.0	78	.8	52
06...	0955	7.1	10.0	3.5	20	.5	5	.7	54

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
DEC, 1984									
14...	0805	88	.90	.020	.040	360	1	10	1
14...	0810	106	.90	.030	.040	270	<1	<10	2
MAY, 1985									
07...	0905	37	.50	.020	<.010	380	<1	10	1
07...	0910	40	.60	.020	<.010	280	<1	<10	1
AUG									
06...	0950	48	<.10	<.010	<.010	--	<1	20	--
06...	0955	48	.80	<.010	<.010	--	<1	20	--

DATE	TIME	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)
DEC, 1984									
14...	0801	--	--	--	--	--	--	1.30	<.100
14...	0805	740	1	60	.2	3	20	--	--
14...	0810	620	1	140	.1	2	20	--	--
MAY, 1985									
07...	0901	--	--	--	--	--	--	7.70	<.100
07...	0905	620	<1	20	<.1	1	10	--	--
07...	0910	680	1	40	<.1	2	20	--	--
AUG									
06...	0946	--	--	--	--	--	--	2.30	<.100
06...	0950	140	--	30	<.1	--	870	--	--
06...	0955	290	--	1600	<.1	--	740	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07049570 BEAVER LAKE ON PRAIRIE CREEK NEAR ROGERS, ARK.
(LAT 36 20 48 LONG 094 04 57)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
14...	1030	80513	80513	.00	12.0	746	0	1.20	--
14...	1031	80513	80010	3.00	12.0	746	--	--	--
14...	1035	80513	80010	6.00	12.0	746	--	--	260
MAY, 1985									
07...	0830	80513	80513	.00	10.0	744	10	1.10	--
07...	0831	80513	80010	3.00	10.0	744	--	--	--
07...	0835	80513	80010	5.00	10.0	744	--	--	116
AUG									
06...	0830	80513	80513	.00	4.0	736	83	1.50	--
06...	0835	80513	80010	2.00	4.0	736	--	--	118

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
14...	1035	7.6	9.5	3.0	<1	9.6	86	1.5
MAY, 1985								
07...	0835	8.0	21.0	7.1	20	10.8	124	2.3
AUG								
06...	0835	7.8	27.0	15	5	7.0	91	1.3

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
DEC, 1984								
14...	1031	--	--	--	--	--	1.80	<.100
14...	1035	120	167	1.3	.010	.020	--	--
MAY, 1985								
07...	0831	--	--	--	--	--	3.50	<.100
07...	0835	52	44	1.0	.010	.010	--	--
AUG								
06...	0835	52	48	<.10	.030	.030	3.60	<.100

07049590 BEAVER LAKE NEAR AVOCA, ARK.
(LAT 36 22 10 LONG 094 03 38)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
14...	1000	80513	80513	.00	16.0	746	0	1.10	--
14...	1001	80513	80010	3.00	16.0	746	--	--	--
14...	1005	80513	80010	8.00	16.0	746	--	--	180
MAY, 1985									
07...	0800	80513	80513	.00	14.0	744	1	1.00	--
07...	0801	80513	80010	3.00	14.0	744	--	--	--
07...	0805	80513	80010	7.00	14.0	744	--	--	102
AUG									
06...	0800	80513	80513	.00	12.0	736	74	1.30	--
06...	0801	80513	80010	3.00	12.0	736	--	--	--
06...	0805	80513	80010	6.00	12.0	736	--	--	118

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07049590 BEAVER LAKE NEAR AVOCA, ARK.--CONTINUED

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS (MG/L AS CACO3) (00900)
DEC, 1984									
14...	1005	7.5	9.5	2.0	5	9.5	85	2.0	82
MAY, 1985									
07...	0805	7.9	19.5	5.0	20	8.8	98	3.2	44
AUG									
06...	0805	8.3	28.0	3.1	5	7.0	93	1.1	50

DATE	TIME	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
DEC, 1984									
14...	1005	121	.70	.030	.030	80	<1	20	1
MAY, 1985									
07...	0805	37	1.0	.010	.010	270	<1	<10	1
AUG									
06...	0805	51	<.10	.040	.040	60	<1	<10	9

DATE	TIME	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)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984									
14...	1001	--	--	--	--	--	--	<.100	<.100
14...	1005	130	<1	20	<.1	3	50	--	--
MAY, 1985									
07...	0801	--	--	--	--	--	--	8.90	<.100
07...	0805	360	<1	20	<.1	4	20	--	--
AUG									
06...	0801	--	--	--	--	--	--	4.20	<.100
06...	0805	90	2	20	<.1	1	20	--	--

07050080 TABLE ROCK LAKE NEAR EAGLE ROCK, MO.
(LAT 36 31 22 LONG 093 43 26)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
12...	1030	80513	80513	.00	60.0	737	0	2.70	--
12...	1031	80513	80010	3.00	60.0	737	--	--	--
12...	1035	80513	80010	12.0	60.0	737	--	--	220
12...	1040	80513	80010	48.0	60.0	737	--	--	240
MAY, 1985									
08...	1100	80513	80513	.00	60.0	753	16	1.90	--
08...	1101	80513	80010	3.00	60.0	753	--	--	--
08...	1105	80513	80010	12.0	60.0	753	--	--	175
08...	1110	80513	80010	48.0	60.0	753	--	--	142
AUG									
07...	1200	80513	80513	.00	50.0	742	1	2.80	--
07...	1201	80513	80010	3.00	50.0	742	--	--	--
07...	1205	80513	80010	10.0	50.0	742	--	--	187
07...	1210	80513	80010	40.0	50.0	742	--	--	161

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07050080 TABLE ROCK LAKE NEAR EAGLE ROCK, MO.--CONTINUED

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
12...	1035	8.0	7.5	1.0	<1	10.4	90	1.2
12...	1040	8.4	6.5	2.0	<1	10.4	88	.8
MAY, 1985								
08...	1105	8.4	19.0	.60	5	10.0	109	1.2
08...	1110	7.6	10.0	1.5	5	10.0	90	.6
AUG								
07...	1205	8.6	28.5	2.0	10	8.3	110	1.4
07...	1210	7.4	20.5	1.1	5	4.6	53	1.4

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
12...	1031	--	--	--	--	--	1.70	<.100
12...	1035	110	108	.20	<.010	<.010	--	--
12...	1040	130	120	.50	<.010	<.010	--	--
MAY, 1985								
08...	1101	--	--	--	--	--	2.80	<.100
08...	1105	84	77	.30	<.010	.010	--	--
08...	1110	65	55	.50	<.010	<.010	--	--
AUG								
07...	1201	--	--	--	--	--	3.00	<.100
07...	1205	84	81	.30	<.010	<.010	--	--
07...	1210	100	75	<.10	<.010	<.010	--	--

07050510 TABLE ROCK LAKE (KINGS RIVER ARM) NEAR CARR LANE, MO.
(LAT 36 30 08 LONG 093 36 00)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
12...	1100	80513	80513	.00	18.0	737	6	2.50	--
12...	1101	80513	80010	3.00	18.0	737	--	--	--
12...	1105	80513	80010	3.50	18.0	737	--	--	210
12...	1110	80513	80010	14.5	18.0	737	--	--	210
MAY, 1985									
08...	1230	80513	80513	.00	24.0	754	K900	.40	--
08...	1231	80513	80010	3.00	24.0	754	--	--	--
08...	1235	80513	80010	5.00	24.0	754	--	--	219
08...	1240	80513	80010	19.0	24.0	754	--	--	218
AUG									
07...	1330	80513	80513	.00	18.0	743	K8600	.00	--
07...	1331	80513	80010	3.00	18.0	743	--	--	--
07...	1335	80513	80010	4.00	18.0	743	--	--	164
07...	1340	80513	80010	15.0	18.0	743	--	--	164

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
12...	1105	8.3	8.5	2.0	<1	10.6	94	1.0
12...	1110	8.2	8.5	2.0	<1	10.6	94	1.4
MAY, 1985								
08...	1235	7.8	19.0	4.5	5	8.4	92	1.4
08...	1240	7.8	18.0	7.5	5	8.4	90	1.2
AUG								
07...	1335	7.5	24.0	60	100	7.3	89	1.6
07...	1340	7.5	23.5	60	100	6.4	77	1.6

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07050510 TABLE ROCK LAKE (KINGS RIVER ARM) NEAR CARR LANE, MO.--CONTINUED

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
12...	1101	--	--	--	--	--	<.100	<.100
12...	1105	110	99	.70	<.010	<.010	--	--
12...	1110	110	99	.70	<.010	<.010	--	--
MAY, 1985								
08...	1231	--	--	--	--	--	2.20	<.100
08...	1235	110	103	.30	.020	.020	--	--
08...	1240	110	103	.30	.020	.020	--	--
AUG								
07...	1331	--	--	--	--	--	1.40	<.100
07...	1335	80	73	.60	.040	.040	--	--
07...	1340	83	73	.60	.040	.050	--	--

07050530 TABLE ROCK LAKE NEAR LAMPE, MO.
(LAT 36 34 20 LONG 093 31 25)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
11...	1430	80513	80513	.00	160	740	0	3.1	--
11...	1431	80513	80010	3.00	160	740	--	--	--
11...	1435	80513	80010	32.0	160	740	--	--	230
11...	1440	80513	80010	128	160	740	--	--	300
MAY, 1985									
09...	1330	80513	80513	.00	150	753	0	2.80	--
09...	1331	80513	80010	3.00	150	753	--	--	--
09...	1335	80513	80010	30.0	150	753	--	--	170
09...	1340	80513	80010	120	150	753	--	--	154
AUG									
08...	1600	80513	80513	.00	140	740	K3	2.60	--
08...	1601	80513	80010	3.00	140	740	--	--	--
08...	1605	80513	80010	28.0	140	740	--	--	213
08...	1610	80513	80010	111	140	740	--	--	152

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
11...	1435	8.1	9.5	1.0	<1	8.4	76	1.2
11...	1440	8.1	8.5	6.0	<1	8.1	71	1.0
MAY, 1985								
09...	1335	7.8	15.0	2.1	15	6.8	68	1.0
09...	1340	7.3	8.0	3.0	5	8.2	70	.6
AUG								
08...	1605	7.5	25.0	.80	5	2.6	32	1.2
08...	1610	7.0	11.0	2.0	<1	1.9	18	.9

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
11...	1431	--	--	--	--	--	1.60	<.100
11...	1435	110	100	.50	.020	<.010	--	--
11...	1440	150	131	1.5	.070	.050	--	--
MAY, 1985								
09...	1331	--	--	--	--	--	1.80	<.100
09...	1335	82	77	.30	<.010	<.010	--	--
09...	1340	70	62	.40	<.010	<.010	--	--
AUG								
08...	1601	--	--	--	--	--	2.30	<.100
08...	1605	100	95	<.10	<.010	<.010	--	--
08...	1610	76	82	.50	<.010	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIB DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
12...	0900	80513	80513	.00	50.0	737	1	1.70	--
12...	0901	80513	80010	3.00	50.0	737	--	--	--
12...	0905	80513	80010	10.0	50.0	737	--	--	310
12...	0910	80513	80010	40.0	50.0	737	--	--	330
MAY, 1985									
09...	1600	80513	80513	.00	50.0	751	1	.90	--
09...	1601	80513	80010	3.00	50.0	751	--	--	--
09...	1605	80513	80010	10.0	50.0	751	--	--	289
09...	1610	80513	80513	40.0	50.0	751	--	--	224
AUG									
08...	1800	80513	80513	.00	44.0	740	1	.80	--
08...	1801	80513	80010	3.00	44.0	740	--	--	--
08...	1805	80513	80010	9.00	44.0	740	--	--	219
08...	1810	80513	80010	35.0	44.0	740	--	--	288

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
12...	0905	8.1	6.5	3.0	<1	12.0	101	1.8
12...	0910	8.0	5.5	2.5	5	12.0	98	1.1
MAY, 1985								
09...	1605	8.3	18.5	1.4	5	10.0	108	3.0
09...	1610	7.7	15.5	25	25	7.3	74	2.4
AUG								
08...	1805	8.2	28.5	1.0	5	7.3	97	2.9
08...	1810	7.2	21.5	1.1	10	.4	5	1.8

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
DEC, 1984								
12...	0901	--	--	--	--	--	1.30	<.100
12...	0905	160	137	1.8	.090	.070	--	--
12...	0910	170	139	2.2	.120	.110	--	--
MAY, 1985								
09...	1601	--	--	--	--	--	23.0	<.100
09...	1605	140	132	.90	.040	.030	--	--
09...	1610	110	104	.70	.050	.050	--	--
AUG								
08...	1801	--	--	--	--	--	16.0	<.100
08...	1805	99	88	<.10	.010	.020	--	--
08...	1810	160	158	<.10	.140	.150	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
11...	1500	80513	80513	.00	152	740	0	3.1	--
11...	1501	80513	80010	3.00	152	740	--	--	--
11...	1505	80513	80010	30.0	152	740	--	--	180
11...	1510	80513	80010	120	152	740	--	--	200
MAY, 1985									
09...	1430	80513	80513	.00	160	753	0	3.1	--
09...	1431	80513	80010	3.00	160	753	--	--	--
09...	1435	80513	80010	32.0	160	753	--	--	244
09...	1440	80513	80513	128	160	753	--	--	255
AUG									
08...	1630	80513	80513	.00	145	840	0	1.90	--
08...	1631	80513	80010	3.00	145	740	--	--	--
08...	1635	80513	80010	29.0	145	740	--	--	238
08...	1640	80513	80010	116	145	740	--	--	239

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
11...	1505	8.1	9.5	1.5	<1	8.5	77	1.1
11...	1510	8.0	8.5	3.0	5	8.4	74	1.2
MAY, 1985								
09...	1435	7.7	14.5	3.0	5	5.3	53	1.0
09...	1440	7.4	8.0	1.0	10	5.4	46	1.2
AUG								
08...	1635	7.6	26.0	1.0	5	2.2	28	1.2
08...	1640	7.2	11.5	1.7	10	.4	4	1.1

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
DEC, 1984								
11...	1501	--	--	--	--	--	1.50	<.100
11...	1505	96	89	.30	<.010	<.010	--	--
11...	1510	100	92	.30	<.010	<.010	--	--
MAY, 1985								
09...	1431	--	--	--	--	--	5.70	<.100
09...	1435	120	106	1.1	<.010	<.010	--	--
09...	1440	120	110	1.3	.050	.070	--	--
AUG								
08...	1631	--	--	--	--	--	2.90	<.100
08...	1635	110	101	<.10	<.010	<.010	--	--
08...	1640	120	114	.60	.080	.090	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07053320 TABLE ROCK LAKE (LONG CREEK ARM) NEAR RIDGEDALE, MO.
(LAT 36 31 39 LONG 093 18 10)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
11...	1330	80513	80513	.00	115	743	0	3.2	--
11...	1331	80513	80010	3.00	115	743	--	--	--
11...	1335	80513	80010	23.0	115	743	--	--	220
11...	1340	80513	80010	92.0	115	743	--	--	230
MAY, 1985									
09...	1030	80513	80513	.00	110	754	0	3.4	--
09...	1031	80513	80010	3.00	110	754	--	--	--
09...	1035	80513	80010	22.0	110	754	--	--	209
09...	1040	80513	80010	88.0	110	754	--	--	213
AUG									
08...	1100	80513	80513	.00	110	742	1	2.20	--
08...	1101	80513	80010	3.00	110	742	--	--	--
08...	1105	80513	80010	22.0	110	742	--	--	177
08...	1110	80513	80010	88.0	110	742	--	--	231

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
11...	1335	8.2	9.5	1.0	<1	9.2	83	1.2
11...	1340	8.2	8.0	3.0	<1	9.2	80	1.0
MAY, 1985								
09...	1035	8.0	16.5	1.5	10	8.5	88	.5
09...	1040	7.6	10.5	2.1	10	7.4	67	.4
AUG								
08...	1105	8.6	26.5	1.1	10	7.6	97	1.8
08...	1110	7.2	12.0	1.5	10	.4	4	1.1

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
DEC, 1984								
11...	1331	--	--	--	--	--	1.70	<.100
11...	1335	110	99	.40	<.010	<.010	--	--
11...	1340	120	106	.70	<.010	<.010	--	--
MAY, 1985								
09...	1031	--	--	--	--	--	3.20	<.100
09...	1035	100	92	.60	<.010	<.010	--	--
09...	1040	100	92	.80	.010	.020	--	--
AUG								
08...	1101	--	--	--	--	--	3.50	<.100
08...	1105	86	77	<.10	<.010	<.010	--	--
08...	1110	120	114	.50	< 010	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07053830 BULL SHOALS LAKE AT FORSYTH, MO.
(LAT 36 40 17 LONG 093 07 10)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
11...	0900	80513	80010	.00	22.0	753	5	3.4	--
11...	0901	80513	80010	3.00	22.0	753	--	--	--
11...	0905	80513	80010	11.0	22.0	753	--	--	230
MAY, 1985									
20...	1200	80513	80513	.00	38.0	754	1	1.20	--
20...	1201	80513	80010	3.00	38.0	754	--	--	--
20...	1205	80513	80010	16.0	38.0	754	--	--	218
AUG									
12...	1400	80513	80513	.00	22.0	746	0	1.10	--
12...	1401	80513	80010	3.00	22.0	746	--	--	--
12...	1405	80513	80010	11.0	22.0	746	--	--	226

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)
DEC, 1984									
11...	0905	8.0	9.0	2.0	<1	8.8	77	1.4	110
MAY, 1985									
20...	1205	7.8	14.0	.90	<1	9.1	89	2.0	120
AUG									
12...	1405	8.4	28.0	1.5	18	7.1	93	2.2	110

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	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)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
11...	0901	--	--	--	--	--	.500	<.010
11...	0905	104	.30	.080	<.010	<.010	--	--
MAY, 1985								
20...	1201	--	--	--	--	--	18.0	<.100
20...	1205	99	.70	--	.020	.010	--	--
AUG								
12...	1401	--	--	--	--	--	8.80	<.100
12...	1405	103	<.10	--	<.010	<.010	--	--

07054220 BULL SHOALS LAKE ON FOX CREEK NEAR MO.-ARK. STATE LINE
(LAT 36 30 05 LONG 093 03 26)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
17...	1415	80513	80513	.00	56.0	757	19	2.10	--
17...	1416	80513	80010	3.00	56.0	757	--	--	--
17...	1420	80513	80010	28.0	56.0	757	--	--	240
MAY, 1985									
23...	1230	80513	80513	.00	68.0	768	1	3.4	--
23...	1231	80513	80010	3.00	68.0	768	--	--	--
23...	1235	80513	80010	34.0	68.0	768	--	--	259
AUG									
12...	1500	80513	80513	.00	54.0	744	0	1.90	--
12...	1501	80513	80010	3.00	54.0	744	--	--	--
12...	1505	80513	80010	27.0	54.0	744	--	--	260

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07054220 BULL SHOALS LAKE ON FOX CREEK NEAR MO.-ARK. STATE LINE--CONTINUED

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
17...	1420	7.9	8.5	2.0	<1	9.9	85	.8
MAY, 1985								
23...	1235	7.6	12.5	1.5	15	5.0	47	1.4
AUG								
12...	1505	7.6	26.5	1.1	10	.5	6	1.7

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
17...	1416	--	--	--	--	--	9.90	<.100
17...	1420	130	121	.30	<.010	<.010	--	--
MAY, 1985								
23...	1231	--	--	--	--	--	3.30	<.100
23...	1235	130	121	.50	<.010	<.010	--	--
AUG								
12...	1501	--	--	--	--	--	1.50	<.100
12...	1505	130	117	<.10	<.010	.010	--	--

07054290 BULL SHOALS LAKE AT HIGHWAY 160 NEAR THEODOSIA, MO.
(LAT 36 34 40 LONG 092 38 47)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
11...	0800	80513	80513	.00	42.0	755	1	2.80	--
11...	0801	80513	80010	3.00	42.0	755	--	--	--
11...	0805	80513	80010	21.0	42.0	755	--	--	280
MAY, 1985									
22...	1500	80513	80513	.00	60.0	754	6	2.30	--
22...	1501	80513	80010	3.00	60.0	754	--	--	--
22...	1505	80513	80010	30.0	60.0	754	--	--	321
AUG									
14...	1100	80513	80513	.00	44.0	750	0	3.00	--
14...	1101	80513	80010	3.00	44.0	750	--	--	--
14...	1105	80513	80010	22.0	44.0	750	--	--	321

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
11...	0805	8.4	9.5	1.5	5	10.2	90	1.1
MAY, 1985								
22...	1505	8.3	20.5	.80	10	8.2	92	1.5
AUG								
14...	1105	8.3	20.5	1.0	5	8.2	93	1.4

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07054290 BULL SHOALS LAKE AT HIGHWAY 160 NEAR THEODOSIA, MO.--CONTINUED

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
11...	0801	--	--	--	--	--	3.00	<.100
11...	0805	150	141	.20	<.010	<.010	--	--
MAY, 1985								
22...	1501	--	--	--	--	--	3.70	<.100
22...	1505	170	165	<.10	<.010	<.010	--	--
AUG								
14...	1101	--	--	--	--	--	6.30	<.100
14...	1105	160	158	<.10	<.010	<.010	--	--

07054445 BULL SHOALS LAKE NEAR BUCK CREEK, ARK.
(LAT 36 29 25 LONG 092 47 15)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
17...	1630	80513	80513	.00	165	758	2	3.6	--
17...	1631	80513	80010	3.00	165	758	--	--	--
17...	1635	80513	80010	33.0	165	758	--	--	250
17...	1640	80513	80010	132	165	758	--	--	260
MAY, 1985									
23...	1015	80513	80513	.00	165	767	--	5.4	--
23...	1016	80513	80010	3.00	165	767	--	--	--
23...	1020	80513	80010	33.0	165	767	--	--	236
23...	1025	80513	80010	132	165	767	--	--	235
AUG									
14...	0845	80513	80513	.00	150	748	K3	3.5	--
14...	0846	1028	80010	3.00	150	748	--	--	--
14...	0850	80513	80010	30.0	150	748	--	--	260
14...	0855	80513	80010	120	150	748	--	--	236

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
17...	1635	8.0	10.5	2.5	<1	9.2	83	.6
17...	1640	7.9	8.5	2.5	<1	9.2	79	.6
MAY, 1985								
23...	1020	8.0	15.0	.60	5	7.6	75	.8
23...	1025	7.6	7.5	4.5	15	8.7	72	.8
AUG								
14...	0850	7.2	23.5	.60	<1	.6	7	1.3
14...	0855	7.2	11.0	1.5	10	3.1	29	.7

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07054445 BULL SHOALS LAKE NEAR BUCK CREEK, ARK.--CONTINUED

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
DEC, 1984								
17...	1631	--	--	--	--	--	2.10	<.100
17...	1635	130	117	.20	<.010	<.010	--	--
17...	1640	140	132	.30	<.010	<.010	--	--
MAY, 1985								
23...	1016	--	--	--	--	--	2.80	<.100
23...	1020	120	110	.50	<.010	<.010	--	--
23...	1025	120	106	.80	<.010	<.010	--	--
AUG								
14...	0846	--	--	--	--	--	2.70	<.100
14...	0850	130	121	<.10	<.010	<.010	--	--
14...	0855	120	106	.60	©.010	<.010	--	--

07054471 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (FISH PENS)
(LAT 36 25 30 LONG 092 42 00)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
DEC, 1984									
18...	1100	80513	80513	.00	95.0	760	260	7.9	10.5
18...	1101	80513	80010	3.00	95.0	760	260	7.8	10.5
18...	1103	80513	80513	10.0	95.0	760	260	7.8	10.5
18...	1105	80513	80010	18.0	95.0	760	260	7.8	10.5
18...	1107	80513	80513	20.0	95.0	760	260	7.8	10.5
18...	1110	80513	80513	30.0	95.0	760	260	7.8	10.5
18...	1112	80513	80513	40.0	95.0	760	260	7.8	10.5
18...	1114	80513	80513	50.0	95.0	760	260	7.8	10.5
18...	1116	80513	80513	60.0	95.0	760	260	7.7	10.5
18...	1118	80513	80513	70.0	95.0	760	260	7.6	10.5
18...	1120	80513	80010	76.0	95.0	760	260	7.8	10.5
18...	1122	80513	80513	80.0	95.0	760	260	7.5	10.0
18...	1123	80513	80513	90.0	95.0	760	260	7.4	10.0
18...	1125	80513	80513	95.0	95.0	760	260	7.4	10.0

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	EXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)
DEC, 1984									
18...	1100	8.0	72	3.4	0	--	--	--	--
18...	1101	8.0	72	--	--	--	--	--	--
18...	1103	8.0	72	--	--	--	--	--	--
18...	1105	7.9	71	--	--	2.0	<1	.7	35
18...	1107	7.9	71	--	--	--	--	--	--
18...	1110	7.9	71	--	--	--	--	--	--
18...	1112	7.9	71	--	--	--	--	--	--
18...	1114	7.9	71	--	--	--	--	--	--
18...	1116	7.1	64	--	--	--	--	--	--
18...	1118	5.7	51	--	--	--	--	--	--
18...	1120	5.4	49	--	--	1.5	<1	.7	30
18...	1122	4.9	44	--	--	--	--	--	--
18...	1123	2.0	18	--	--	--	--	--	--
18...	1125	1.8	16	--	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07054471 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (FISH PENS)--CONTINUED

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
18...	1101	--	--	--	--	--	2.00	<.100
18...	1105	130	125	.20	<.010	<.010	--	--
18...	1120	140	132	.20	<.010	.020	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)
MAY									
22...	1130	80513	80513	.00	104	755	250	8.6	20.0
22...	1131	80513	80010	3.00	104	755	250	8.6	20.0
22...	1132	80513	80513	10.0	104	755	250	8.6	20.0
22...	1134	80513	80513	20.0	104	755	250	8.6	20.0
22...	1135	80513	80010	22.0	104	755	250	8.5	19.5
22...	1137	80513	80513	25.0	104	755	250	8.2	18.5
22...	1140	80513	80513	30.0	104	755	250	8.2	17.5
22...	1142	80513	80513	32.0	104	755	250	8.1	16.5
22...	1144	80513	80513	35.0	104	755	250	8.0	15.5
22...	1146	80513	80513	37.0	104	755	250	7.8	14.5
22...	1148	80513	80513	38.0	104	755	250	7.8	13.5
22...	1150	80513	80513	40.0	104	755	250	7.7	12.5
22...	1152	80513	80513	45.0	104	755	250	7.7	11.5
22...	1154	80513	80513	50.0	104	755	250	7.7	11.0
22...	1156	80513	80513	60.0	104	755	240	7.6	10.5
22...	1158	80513	80513	70.0	104	755	240	7.6	10.5
22...	1200	80513	80513	80.0	104	755	240	7.5	10.0
22...	1205	80513	80010	82.0	104	755	240	7.4	10.0
22...	1207	80513	80513	90.0	104	755	240	7.3	9.5
22...	1208	80513	80513	100	104	755	250	7.2	9.5
22...	1210	80513	80513	104	104	755	250	7.2	9.5

DATE	TIME	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)
MAY, 1985									
22...	1130	8.4	93	3.8	0	--	--	--	--
22...	1131	8.4	93	--	--	--	--	--	--
22...	1132	8.4	93	--	--	--	--	--	--
22...	1134	8.2	91	--	--	--	--	--	--
22...	1135	8.0	88	--	--	.70	5	1.2	17
22...	1137	7.7	83	--	--	--	--	--	--
22...	1140	7.8	82	--	--	--	--	--	--
22...	1142	7.9	82	--	--	--	--	--	--
22...	1144	7.3	74	--	--	--	--	--	--
22...	1146	7.3	72	--	--	--	--	--	--
22...	1148	7.4	72	--	--	--	--	--	--
22...	1150	6.9	65	--	--	--	--	--	--
22...	1152	7.1	66	--	--	--	--	--	--
22...	1154	7.3	67	--	--	--	--	--	--
22...	1156	7.1	64	--	--	--	--	--	--
22...	1158	6.6	60	--	--	--	--	--	--
22...	1200	5.0	45	--	--	--	--	--	--
22...	1205	4.7	42	--	--	1.0	10	1.0	10
22...	1207	4.1	36	--	--	--	--	--	--
22...	1208	2.3	20	--	--	--	--	--	--
22...	1210	1.8	16	--	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07054471 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (FISH PENS)--CONTINUED

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
MAY, 1985								
22...	1131	--	--	--	--	--	2.30	<.100
22...	1135	120	114	.30	<.010	<.010	--	--
22...	1205	120	112	.50	<.010	<.010	--	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)
AUG, 1985									
13...	1430	80513	80513	.00	60.0	748	254	8.7	30.0
13...	1431	80513	80010	3.00	60.0	748	254	8.7	30.0
13...	1432	80513	80513	10.0	60.0	748	254	8.7	29.5
13...	1435	80513	80010	12.0	60.0	748	255	8.7	29.0
13...	1437	80513	80513	20.0	60.0	748	257	8.5	28.5
13...	1439	80513	80513	25.0	60.0	748	259	8.3	28.0
13...	1440	80513	80513	27.0	60.0	748	264	7.7	25.0
13...	1442	80513	80513	29.0	60.0	748	267	7.6	24.0
13...	1444	80513	80513	30.0	60.0	748	267	7.5	23.0
13...	1446	80513	80513	32.0	60.0	748	267	7.5	22.5
13...	1448	80513	80513	35.0	60.0	748	266	7.4	21.5
13...	1450	80513	80513	40.0	60.0	748	270	7.4	20.0
13...	1452	80513	80513	45.0	60.0	748	270	7.4	19.5
13...	1455	80513	80010	50.0	60.0	748	267	7.4	18.5
13...	1457	80513	80513	55.0	60.0	748	264	7.4	17.0
13...	1500	80513	80513	60.0	60.0	748	264	7.4	16.0

DATE	TIME	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)
AUG, 1985									
13...	1430	8.6	116	3.6	7	--	--	--	--
13...	1431	8.4	113	--	--	--	--	--	--
13...	1432	8.3	111	--	--	--	--	--	--
13...	1435	7.9	105	--	--	1.0	5	1.3	<10
13...	1437	6.3	83	--	--	--	--	--	--
13...	1439	5.8	76	--	--	--	--	--	--
13...	1440	2.4	30	--	--	--	--	--	--
13...	1442	1.4	17	--	--	--	--	--	--
13...	1444	.7	8	--	--	--	--	--	--
13...	1446	.5	6	--	--	--	--	--	--
13...	1448	.3	3	--	--	--	--	--	--
13...	1450	.2	2	--	--	--	--	--	--
13...	1452	.2	2	--	--	--	--	--	--
13...	1455	.2	2	--	--	1.0	5	1.4	<10
13...	1457	.1	1	--	--	--	--	--	--
13...	1500	.2	2	--	--	--	--	--	--

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
AUG, 1985								
13...	1431	--	--	--	--	--	2.10	<.100
13...	1435	130	121	<.10	<.010	<.010	--	--
13...	1455	130	125	.30	<.010	.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07054472 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (LOG BOOM)
(LAT 36 25 30 LONG 092 42 00)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
DEC, 1984									
18...	1130	80513	80513	.00	75.0	760	260	7.8	10.5
18...	1131	80513	80010	3.00	75.0	760	260	7.8	10.5
18...	1133	80513	80513	10.0	75.0	760	260	7.8	10.5
18...	1135	80513	80010	15.0	75.0	760	260	7.8	10.5
18...	1137	80513	80513	20.0	75.0	760	260	7.8	10.5
18...	1140	80513	80513	30.0	75.0	760	260	7.8	10.5
18...	1142	80513	80513	40.0	75.0	760	260	7.8	10.5
18...	1143	80513	80513	50.0	75.0	760	260	7.8	10.5
18...	1145	80513	80010	60.0	75.0	760	260	7.7	10.5
18...	1147	80513	80513	70.0	75.0	760	260	7.6	10.5
18...	1150	80513	80513	75.0	75.0	760	260	7.5	10.0

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
18...	1130	8.0	72	4.0	0	--	--	--
18...	1131	8.0	72	--	--	--	--	--
18...	1133	8.0	72	--	--	--	--	--
18...	1135	7.9	71	--	--	2.0	<1	.6
18...	1137	7.9	71	--	--	--	--	--
18...	1140	7.9	71	--	--	--	--	--
18...	1142	7.9	71	--	--	--	--	--
18...	1143	7.7	69	--	--	--	--	--
18...	1145	6.8	61	--	--	1.5	5	.6
18...	1147	5.6	50	--	--	--	--	--
18...	1150	4.8	43	--	--	--	--	--

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
DEC, 1984								
18...	1131	--	--	--	--	--	1.80	<.100
18...	1135	130	125	.30	<.010	<.010	--	--
18...	1145	130	125	.20	<.010	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07054472 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (LOG BOOM)--CONTINUED

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
MAY, 1985									
22...	1215	80513	80513	.00	92.0	755	250	8.6	20.0
22...	1216	80513	80513	3.00	92.0	755	250	8.6	20.0
22...	1217	80513	80513	10.0	92.0	755	250	8.6	20.0
22...	1220	80513	80010	18.0	92.0	755	250	8.5	20.0
22...	1222	80513	80513	20.0	92.0	755	250	8.5	20.0
22...	1224	80513	80513	22.0	92.0	755	250	8.4	19.0
22...	1226	80513	80513	25.0	92.0	755	250	8.2	18.0
22...	1228	80513	80513	30.0	92.0	755	250	8.1	17.0
22...	1230	80513	80513	32.0	92.0	755	250	8.1	16.0
22...	1232	80513	80513	35.0	92.0	755	250	7.9	15.0
22...	1234	80513	80513	37.0	92.0	755	240	7.8	14.0
22...	1236	80513	80513	40.0	92.0	755	240	7.7	13.0
22...	1238	80513	80513	42.0	92.0	755	240	7.7	12.0
22...	1240	80513	80513	45.0	92.0	755	240	7.6	11.0
22...	1242	80513	80513	50.0	92.0	755	240	7.6	11.0
22...	1244	80513	80513	60.0	92.0	755	240	7.6	10.5
22...	1247	80513	80513	70.0	92.0	755	240	7.5	10.0
22...	1250	80513	80010	74.0	92.0	755	240	7.5	10.0
22...	1252	80513	80513	80.0	92.0	755	250	7.4	10.0
22...	1253	80513	80513	90.0	92.0	755	250	7.3	9.5
22...	1255	80513	80513	92.0	92.0	755	250	7.3	9.5

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
MAY, 1985								
22...	1215	9.2	102	3.9	0	--	--	--
22...	1216	9.0	100	--	--	--	--	--
22...	1217	9.0	100	--	--	--	--	--
22...	1220	9.0	100	--	--	.70	5	1.2
22...	1222	8.7	97	--	--	--	--	--
22...	1224	8.3	90	--	--	--	--	--
22...	1226	7.3	78	--	--	--	--	--
22...	1228	7.8	82	--	--	--	--	--
22...	1230	7.8	80	--	--	--	--	--
22...	1232	7.2	72	--	--	--	--	--
22...	1234	7.4	73	--	--	--	--	--
22...	1236	6.8	65	--	--	--	--	--
22...	1238	7.0	66	--	--	--	--	--
22...	1240	7.2	66	--	--	--	--	--
22...	1242	7.3	67	--	--	--	--	--
22...	1244	7.1	64	--	--	--	--	--
22...	1247	6.3	56	--	--	--	--	--
22...	1250	6.5	58	--	--	1.1	10	1.0
22...	1252	5.9	53	--	--	--	--	--
22...	1253	4.0	35	--	--	--	--	--
22...	1255	4.0	35	--	--	--	--	--

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
MAY, 1985								
22...	1216	--	--	--	--	--	1.70	<.100
22...	1220	120	115	.20	<.010	<.010	--	--
22...	1250	120	110	.60	.020	.030	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07054472 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (LOG BOOM)--CONTINUED

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
AUG, 1985											
13...	1515	80513	80513	.00	70.0	748	254	8.6	30.0	8.5	115
13...	1516	80513	80010	3.00	70.0	748	254	8.6	30.0	8.4	113
13...	1518	80513	80513	10.0	70.0	748	254	8.6	29.0	8.5	113
13...	1520	80513	80010	14.0	70.0	748	254	8.6	29.0	8.3	110
13...	1522	80513	80513	20.0	70.0	748	255	8.5	28.5	8.0	105
13...	1524	80513	80513	24.0	70.0	748	259	8.1	27.5	4.9	63
13...	1526	80513	80513	26.0	70.0	748	263	7.8	26.0	3.4	43
13...	1528	80513	80513	28.0	70.0	748	264	7.6	24.5	2.1	26
13...	1530	80513	80513	30.0	70.0	748	266	7.5	23.5	1.2	14
13...	1532	80513	80513	35.0	70.0	748	268	7.4	21.5	.3	3
13...	1534	80513	80513	40.0	70.0	748	264	7.4	20.5	.3	3
13...	1537	80513	80513	45.0	70.0	748	266	7.4	19.5	.2	2
13...	1538	80513	80513	50.0	70.0	748	270	7.4	18.0	.1	1
13...	1540	80513	80010	56.0	70.0	748	266	7.4	16.5	.2	2
13...	1542	80513	80513	60.0	70.0	748	263	7.4	16.0	.2	2
13...	1545	80513	80513	70.0	70.0	748	259	7.3	15.5	.2	2

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG, 1985											
13...	1515	3.6	K3	--	--	--	--	--	--	--	--
13...	1520	--	--	.80	5	1.4	130	121	<.10	<.010	.020
13...	1540	--	--	1.3	5	1.2	130	123	.30	<.010	.020

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (MOUTH)
(LAT 36 25 30 LONG 092 42 00)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)
DEC, 1984									
18...	1200	80513	80513	.00	160	760	260	7.8	10.5
18...	1201	80513	80010	3.00	160	760	260	7.8	10.5
18...	1203	80513	80513	10.0	160	760	260	7.8	10.5
18...	1206	80513	80513	20.0	160	760	260	7.8	10.5
18...	1208	80513	80513	30.0	160	760	260	7.8	10.5
18...	1210	80513	80010	32.0	160	760	260	7.8	10.5
18...	1212	80513	80513	40.0	160	760	260	7.7	10.5
18...	1214	80513	80513	50.0	160	760	260	7.7	10.5
18...	1216	80513	80513	60.0	160	760	260	7.7	10.5
18...	1218	80513	80513	70.0	160	760	260	7.6	10.5
18...	1220	80513	80513	80.0	160	760	260	7.6	10.0
18...	1222	80513	80513	90.0	160	760	260	7.6	10.0
18...	1224	80513	80513	100	160	760	260	7.6	10.0
18...	1226	80513	80513	110	160	760	260	7.5	10.0
18...	1228	80513	80513	120	160	760	260	7.5	10.0
18...	1230	80513	80010	128	160	760	260	7.5	10.0
18...	1232	80513	80513	130	160	760	260	7.5	10.0
18...	1234	80513	80513	140	160	760	260	7.5	9.5
18...	1237	80513	80513	150	160	760	260	7.5	9.0
18...	1240	80513	80513	160	160	760	260	7.5	9.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (MOUTH)--CONTINUED

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
18...	1200	8.6	77	4.0	2	--	--	--
18...	1201	8.3	75	--	--	--	--	--
18...	1203	8.1	73	--	--	--	--	--
18...	1206	8.0	72	--	--	--	--	--
18...	1208	7.9	71	--	--	--	--	--
18...	1210	7.7	69	--	--	1.0	5	.6
18...	1212	7.5	67	--	--	--	--	--
18...	1214	7.5	67	--	--	--	--	--
18...	1216	7.0	63	--	--	--	--	--
18...	1218	6.6	59	--	--	--	--	--
18...	1220	6.3	56	--	--	--	--	--
18...	1222	6.3	56	--	--	--	--	--
18...	1224	6.3	56	--	--	--	--	--
18...	1226	7.8	69	--	--	--	--	--
18...	1228	6.0	53	--	--	--	--	--
18...	1230	6.0	53	--	--	1.0	10	.8
18...	1232	5.7	51	--	--	--	--	--
18...	1234	5.6	49	--	--	--	--	--
18...	1237	5.2	45	--	--	--	--	--
18...	1240	4.8	42	--	--	--	--	--

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
DEC, 1984								
18...	1201	--	--	--	--	--	2.10	<.100
18...	1210	130	125	.20	<.010	<.010	--	--
18...	1230	140	128	.30	<.010	<.010	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
MAY, 1985									
22...	1300	80513	80513	.00	148	756	250	8.5	19.5
22...	1301	80513	80010	3.00	148	756	250	8.5	19.5
22...	1302	80513	80513	10.0	148	756	250	8.5	19.5
22...	1305	80513	80010	20.0	148	755	250	8.3	19.0
22...	1307	80513	80513	25.0	148	756	250	8.2	18.0
22...	1310	80513	80513	30.0	148	756	250	8.1	17.0
22...	1312	80513	80513	35.0	148	756	250	8.0	16.0
22...	1314	80513	80513	36.0	148	756	250	7.8	15.0
22...	1316	80513	80513	37.0	148	756	250	7.7	14.0
22...	1318	80513	80513	40.0	148	756	250	7.7	13.0
22...	1320	80513	80513	42.0	148	756	250	7.7	12.0
22...	1322	80513	80513	45.0	148	756	250	7.7	11.0
22...	1324	80513	80513	50.0	148	756	240	7.6	11.0
22...	1326	80513	80513	60.0	148	756	240	7.6	10.5
22...	1328	80513	80513	70.0	148	756	240	7.6	10.0
22...	1330	80513	80513	80.0	148	756	240	7.6	10.0
22...	1332	80513	80513	90.0	148	756	240	7.6	9.5
22...	1333	80513	80513	100	148	756	240	7.6	9.0
22...	1334	80513	80513	110	148	756	250	7.6	9.0
22...	1335	80513	80010	119	148	756	250	7.6	9.0
22...	1337	80513	80513	120	148	756	250	7.6	8.5
22...	1338	80513	80513	130	148	756	250	7.5	7.5
22...	1340	80513	80513	140	148	756	250	7.5	7.0
22...	1345	80513	80513	148	148	756	250	7.5	7.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (MOUTH)--CONTINUED

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)
MAY, 1985									
22...	1300	9.2	101	4.0	1	--	--	--	--
22...	1301	9.1	100	--	--	--	--	--	--
22...	1302	9.1	100	--	--	--	--	--	--
22...	1305	8.0	87	--	--	.60	<1	1.1	20
22...	1307	7.9	84	--	--	--	--	--	--
22...	1310	8.1	85	--	--	--	--	--	--
22...	1312	7.7	79	--	--	--	--	--	--
22...	1314	7.6	76	--	--	--	--	--	--
22...	1316	7.5	73	--	--	--	--	--	--
22...	1318	7.7	74	--	--	--	--	--	--
22...	1320	7.9	74	--	--	--	--	--	--
22...	1322	8.0	73	--	--	--	--	--	--
22...	1324	8.0	73	--	--	--	--	--	--
22...	1326	8.0	72	--	--	--	--	--	--
22...	1328	8.0	71	--	--	--	--	--	--
22...	1330	7.7	69	--	--	--	--	--	--
22...	1332	8.1	71	--	--	--	--	--	--
22...	1333	8.1	71	--	--	--	--	--	--
22...	1334	8.0	70	--	--	--	--	--	--
22...	1335	7.9	69	--	--	3.0	10	2.1	19
22...	1337	7.9	68	--	--	--	--	--	--
22...	1338	7.2	61	--	--	--	--	--	--
22...	1340	6.0	50	--	--	--	--	--	--
22...	1345	5.4	45	--	--	--	--	--	--

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
MAY, 1985								
22...	1301	--	--	--	--	--	1.80	<.100
22...	1305	120	114	.30	<.010	<.010	--	--
22...	1335	120	108	.60	<.010	<.010	--	--

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)
AUG, 1985									
13...	1600	80513	80513	.00	158	748	254	8.3	30.0
13...	1601	80513	80010	3.00	158	748	254	8.5	30.0
13...	1602	80513	80513	10.0	158	748	255	8.5	29.5
13...	1604	80513	80513	20.0	158	748	254	8.4	28.5
13...	1606	80513	80513	22.0	158	748	255	8.2	27.5
13...	1608	80513	80513	25.0	158	748	259	7.9	26.5
13...	1610	80513	80513	27.0	158	748	264	7.7	25.0
13...	1612	80513	80513	28.0	158	748	263	7.6	24.5
13...	1614	80513	80513	30.0	158	748	266	7.4	23.5
13...	1615	80513	80010	32.0	158	748	267	7.4	23.0
13...	1617	80513	80513	35.0	158	748	265	7.4	21.5
13...	1619	80513	80513	37.0	158	748	261	7.3	20.5
13...	1620	80513	80513	40.0	159	748	261	7.3	20.0
13...	1622	80513	80513	50.0	158	748	267	7.3	18.0
13...	1624	80513	80513	53.0	158	748	266	7.3	17.0
13...	1626	80513	80513	55.0	158	748	266	7.3	17.0
13...	1628	80513	80513	60.0	158	748	260	7.3	16.0
13...	1630	80513	80513	70.0	158	748	251	7.3	14.5
13...	1632	80513	80513	80.0	158	748	246	7.3	13.5
13...	1634	80513	80513	90.0	158	748	246	7.2	12.5
13...	1636	80513	80513	100	158	748	242	7.2	12.0
13...	1638	80513	80513	110	158	748	240	7.2	11.0
13...	1639	80513	80513	120	158	748	241	7.1	10.5
13...	1640	80513	80010	128	158	748	243	7.1	10.5
13...	1644	80513	80513	130	158	748	244	7.1	10.5
13...	1646	80513	80513	140	158	748	244	7.1	10.5
13...	1648	80513	80513	150	158	748	244	7.1	10.5
13...	1650	80513	80513	158	158	748	244	7.1	10.5

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (MOUTH)--CONTINUED

DATE	TIME	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	TRANSPARENCY (SECCHI DISK) (M) (00078)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L) (00340)
AUG, 1985									
13...	1600	8.6	116	3.6	K3	--	--	--	--
13...	1601	8.3	112	--	--	--	--	--	--
13...	1602	8.3	111	--	--	--	--	--	--
13...	1604	7.7	101	--	--	--	--	--	--
13...	1606	6.2	80	--	--	--	--	--	--
13...	1608	4.9	62	--	--	--	--	--	--
13...	1610	3.2	40	--	--	--	--	--	--
13...	1612	2.9	35	--	--	--	--	--	--
13...	1614	1.6	19	--	--	--	--	--	--
13...	1615	1.1	13	--	--	.90	<1	1.2	<10
13...	1617	.6	7	--	--	--	--	--	--
13...	1619	.4	5	--	--	--	--	--	--
13...	1620	.3	3	--	--	--	--	--	--
13...	1622	.1	1	--	--	--	--	--	--
13...	1624	.1	1	--	--	--	--	--	--
13...	1626	.1	1	--	--	--	--	--	--
13...	1628	.8	8	--	--	--	--	--	--
13...	1630	1.6	16	--	--	--	--	--	--
13...	1632	2.5	24	--	--	--	--	--	--
13...	1634	1.7	16	--	--	--	--	--	--
13...	1636	2.6	25	--	--	--	--	--	--
13...	1638	2.5	23	--	--	--	--	--	--
13...	1639	2.1	19	--	--	--	--	--	--
13...	1640	1.4	13	--	--	4.0	5	1.4	<10
13...	1644	1.2	11	--	--	--	--	--	--
13...	1646	1.1	10	--	--	--	--	--	--
13...	1648	1.1	10	--	--	--	--	--	--
13...	1650	1.1	10	--	--	--	--	--	--

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
AUG, 1985								
13...	1601	--	--	--	--	--	1.00	<.100
13...	1615	130	121	.20	<.010	.010	--	--
13...	1640	120	110	.60	<.010	.010	--	--

07054486 BULL SHOALS LAKE ABOVE PINE BRANCH AT INDIAN POINT, ARK.
(LAT 36 28 30 LONG 092 37 44)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
18...	1300	80513	80513	.00	168	760	2	3.5	--
18...	1301	80513	80010	3.00	168	760	--	--	--
18...	1305	80513	80010	33.5	168	760	--	--	260
18...	1310	80513	80010	135	168	760	--	--	280
MAY, 1985									
22...	1700	80513	80513	.00	162	754	0	4.4	--
22...	1701	80513	80010	3.00	162	754	--	--	--
22...	1705	80513	80010	33.0	162	754	--	--	245
22...	1710	80513	80010	130	162	754	--	--	256
AUG									
14...	0935	80513	80513	.00	165	749	0	4.1	--
14...	0936	1028	80010	3.00	165	749	--	--	--
14...	0940	80513	80010	33.0	165	749	--	--	267
14...	0945	80513	80010	132	165	749	--	--	259

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07054486 BULL SHOALS LAKE ABOVE PINE BRANCH AT INDIAN POINT, ARK.--CONTINUED

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
18...	1305	7.9	10.5	2.5	5	8.8	79	.7
18...	1310	7.9	9.5	2.5	<1	8.6	76	.8
MAY, 1985								
22...	1705	7.9	14.5	.80	10	7.8	77	1.7
22...	1710	7.6	8.0	1.1	5	7.8	67	.7
AUG								
14...	0940	7.4	21.5	.50	10	1.6	18	1.2
14...	0945	7.2	11.0	1.0	5	1.8	17	.7

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
18...	1301	--	--	--	--	--	2.70	<.100
18...	1305	160	128	.20	<.010	<.010	--	--
18...	1310	130	136	.20	<.010	<.010	--	--
MAY, 1985								
22...	1701	--	--	--	--	--	1.80	<.100
22...	1705	120	114	.40	<.010	<.010	--	--
22...	1710	130	121	.50	<.010	<.010	--	--
AUG								
14...	0936	--	--	--	--	--	3.40	<.100
14...	0940	140	128	.20	<.010	<.010	--	--
14...	0945	130	125	.40	<.010	<.010	--	--

07054496 BULL SHOALS LAKE AT JIMMIE CREEK NEAR BULL SHOALS, ARK.
(LAT 36 23 00 LONG 092 36 58)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
18...	1000	80513	80513	.00	155	760	0	5.0	--
18...	1001	80513	80010	3.00	155	760	--	--	--
18...	1005	80513	80010	31.0	155	760	--	--	260
18...	1010	80513	80010	124	155	760	--	--	260
MAY, 1985									
22...	0930	80513	80513	.00	150	754	3	4.4	--
22...	0931	80513	80010	3.00	150	754	--	--	--
22...	0935	80513	80010	30.0	150	754	--	--	246
22...	0940	80513	80010	120	150	754	--	--	249
AUG									
13...	1020	80513	80513	.00	145	750	1	3.4	--
13...	1021	80513	80010	3.00	145	750	--	--	--
13...	1025	80513	80010	29.0	145	750	--	--	266
13...	1030	80513	80010	117	145	750	--	--	250

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07054496 BULL SHOALS LAKE AT JIMMIE CREEK NEAR BULL SHOALS, ARK.--CONTINUED

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
18...	1005	8.0	10.5	1.5	<1	9.2	83	.6
18...	1010	7.9	10.0	1.0	<1	8.2	73	.4
MAY, 1985								
22...	0935	8.1	17.5	1.5	<1	8.5	90	1.0
22...	0940	7.6	9.0	1.0	5	7.3	64	.8
AUG								
13...	1025	7.7	22.5	.80	<1	5.0	59	1.4
13...	1030	7.4	11.5	1.0	10	2.8	26	1.0

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
18...	1001	--	--	--	--	--	1.40	<.100
18...	1005	140	132	.20	<.010	.010	--	--
18...	1010	140	128	.20	<.010	<.010	--	--
MAY, 1985								
22...	0931	--	--	--	--	--	2.90	<.100
22...	0935	120	117	.30	<.010	<.010	--	--
22...	0940	130	115	.50	<.010	<.010	--	--
AUG								
13...	1021	--	--	--	--	--	1.90	<.100
13...	1025	130	119	<.10	<.010	<.010	--	--
13...	1030	120	114	.40	<.010	.010	--	--

07054499 BULL SHOALS LAKE ON HOWARD CREEK NEAR LAKEVIEW, ARK.
(LAT 36 23 32 LONG 092 32 10)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
18...	1330	80513	80513	.00	170	760	3	3.5	--
18...	1335	80513	80010	34.0	170	760	--	--	260
18...	1340	80513	80010	136	170	760	--	--	260
MAY, 1985									
22...	0900	80513	80513	.00	175	758	0	4.3	--
22...	0901	80513	80010	3.00	175	758	--	--	--
22...	0905	80513	80010	35.0	175	758	--	--	244
22...	0910	80513	80010	140	175	758	--	--	249
AUG									
13...	0945	80513	80513	.00	150	750	0	3.3	--
13...	0946	80513	80010	3.00	150	750	--	--	--
13...	0950	80513	80010	30.0	150	750	--	--	260
13...	0955	80513	80010	120	150	750	--	--	252

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
18...	1335	8.0	10.5	1.5	5	8.9	80	.8
18...	1340	7.8	10.0	2.0	5	7.6	68	.3
MAY, 1985								
22...	0905	7.8	15.0	.70	5	8.2	82	.8
22...	0910	7.5	7.5	.70	<1	7.3	61	.6
AUG								
13...	0950	7.9	25.5	.80	10	6.6	82	1.4
13...	0955	7.4	12.0	1.0	5	3.2	30	.9

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07054499 BULL SHOALS LAKE ON HOWARD CREEK NEAR LAKEVIEW, ARK.--CONTINUED

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
18...	1335	140	125	.20	<.010	<.010	--	--
18...	1340	140	136	.20	<.010	<.010	--	--
MAY, 1985								
22...	0901	--	--	--	--	--	1.30	<.100
22...	0905	120	117	.30	<.010	<.010	--	--
22...	0910	120	117	.40	<.010	<.010	--	--
AUG								
13...	0946	--	--	--	--	--	7.00	<.100
13...	0950	130	121	.10	<.010	.020	--	--
13...	0955	120	114	.50	<.010	<.010	--	--

07058500 NORTH FORK RIVER AT TECUMSEH, MO.
(LAT 36 35 12 LONG 092 17 18)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
06...	1300	80513	80513	.00	18.0	763	38	4.1	--
06...	1301	80513	80010	3.00	18.0	763	--	--	--
06...	1305	80513	80010	3.50	18.0	763	--	--	325
06...	1310	80513	80010	14.5	18.0	763	--	--	320
MAY, 1985									
23...	0800	80513	80513	.00	30.0	760	>3000	.20	--
23...	0801	80513	80010	3.00	30.0	760	--	--	--
23...	0805	80513	80010	6.00	30.0	760	--	--	249
23...	0810	80513	80010	24.0	30.0	760	--	--	258
AUG									
14...	1200	80513	80513	.00	16.0	751	54	.90	--
14...	1205	80513	80010	3.00	16.0	751	--	--	393
14...	1210	80513	80010	13.0	16.0	751	--	--	388

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
06...	1305	8.2	6.0	1.0	<1	7.4	59	1.1
06...	1310	8.4	6.0	1.5	<1	7.2	58	4.3
MAY, 1985								
23...	0805	7.9	15.5	25	20	7.3	73	1.8
23...	0810	7.9	15.5	1.0	20	7.8	78	1.4
AUG								
14...	1205	7.9	23.5	3.5	5	7.6	91	1.0
14...	1210	7.9	21.5	45	5	7.5	86	1.2

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
06...	1301	--	--	--	--	--	<.100	<.100
06...	1305	170	183	.90	<.010	.020	--	--
06...	1310	170	169	.90	<.010	.010	--	--
MAY, 1985								
23...	0801	--	--	--	--	--	3.30	<.100
23...	0805	130	125	.40	.020	.010	--	--
23...	0810	140	132	.50	.010	<.010	--	--
AUG								
14...	1205	210	205	.50	<.010	<.010	1.20	<.100
14...	1210	210	202	.50	<.010	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07058600 NORFORK LAKE NEAR UDALL, MO.
(LAT 36 32 53 LONG 092 16 55)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
06...	1630	80513	80513	.00	18.0	763	46	3.1	--
06...	1631	80513	80010	3.00	18.0	763	--	--	--
06...	1635	80513	80010	9.00	18.0	763	--	--	330
MAY, 1985									
23...	0830	80513	80513	.00	38.0	762	3	1.90	--
23...	0831	80513	80010	3.00	38.0	762	--	--	--
23...	0835	80513	80010	19.0	38.0	762	--	--	313
AUG									
14...	1230	80513	80513	.00	16.0	751	0	1.20	--
14...	1231	80513	80010	3.00	16.0	751	--	--	--
14...	1235	80513	80010	8.00	16.0	751	--	--	287

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
06...	1635	8.6	6.0	2.0	<1	6.2	50	1.0
MAY, 1985								
23...	0835	8.0	17.0	20	20	6.5	67	1.5
AUG								
14...	1235	8.3	30.5	2.0	10	6.6	90	2.2

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
06...	1631	--	--	--	--	--	<.100	<.100
06...	1635	170	198	.90	<.010	.010	--	--
MAY, 1985								
23...	0831	--	--	--	--	--	6.00	<.100
23...	0835	170	161	.40	<.010	<.010	--	--
AUG								
14...	1231	--	--	--	--	--	12.0	<.100
14...	1235	150	143	<.10	<.010	<.010	--	--

07058700 NORFORK LAKE ON PIGEON CREEK NEAR MOUNTAIN HOME, ARK.
(LAT 36 24 07 LONG 092 19 15)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
10...	1200	80513	80513	.00	70.0	759	2	2.80	--
10...	1201	80513	80010	3.00	70.0	759	--	--	--
10...	1205	80513	80010	14.0	72.0	759	--	--	310
10...	1210	80513	80010	56.0	70.0	759	--	--	310
MAY, 1985									
24...	0845	80513	80513	.00	74.0	761	1	4.6	--
24...	0846	1028	80010	3.00	74.0	761	--	--	--
24...	0850	80513	80010	15.0	74.0	761	--	--	273
24...	0855	80513	80010	59.0	74.0	761	--	--	271
AUG									
15...	1400	80513	80513	.00	60.0	750	0	2.10	--
15...	1401	80513	80010	3.00	60.0	750	--	--	--
15...	1405	80513	80010	12.0	60.0	750	--	--	274
15...	1410	80513	80010	48.0	60.0	750	--	--	323

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07058700 NORFORK LAKE ON PIGEON CREEK NEAR MOUNTAIN HOME, ARK.--CONTINUED

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
10...	1205	8.1	9.5	1.5	5	9.8	86	1.1
10...	1210	8.5	9.0	1.0	5	9.5	83	1.0
MAY, 1985								
24...	0850	8.3	20.0	.80	10	8.4	93	1.7
24...	0855	7.6	12.0	2.5	5	4.2	39	1.0
AUG								
15...	1405	8.7	29.5	.80	5	8.6	115	1.4
15...	1410	7.4	20.0	4.0	5	.3	3	1.5

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AT P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
10...	1201	--	--	--	--	--	1.60	<.100
10...	1205	170	169	.20	<.010	.020	--	--
10...	1210	170	169	.20	<.010	<.010	--	--
MAY, 1985								
24...	0846	--	--	--	--	--	2.80	<.100
24...	0850	150	143	<.10	<.010	<.010	--	--
24...	0855	140	139	.50	<.010	<.010	--	--
AUG								
15...	1401	--	--	--	--	--	3.80	<.100
15...	1405	150	143	<.10	<.010	<.010	--	--
15...	1410	160	167	<.10	<.010	<.010	--	--

07058995 NORFORK LAKE AT HENDERSON, ARK.
(LAT 36 22 30 LONG 092 14 37)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
10...	1300	80513	80513	.00	138	759	1	2.90	--
10...	1301	80513	80010	3.00	138	759	--	--	--
10...	1305	80513	80010	27.5	138	759	--	--	310
10...	1310	80513	80010	111	138	759	--	--	310
MAY, 1985									
24...	0730	80513	80513	.00	130	759	6	2.80	--
24...	0731	80513	80010	3.00	130	759	--	--	--
24...	0735	80513	80010	26.0	130	759	--	--	264
24...	0740	80513	80010	104	130	759	--	--	273
AUG									
15...	1430	80513	80513	.00	130	749	3	3.3	--
15...	1431	80513	80010	3.00	130	749	--	--	--
15...	1435	80513	80010	26.0	130	749	--	--	319
15...	1440	80513	80010	104	130	749	--	--	296

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
10...	1305	8.3	10.0	1.0	5	9.1	81	1.1
10...	1310	8.3	9.0	1.5	5	8.8	76	1.3
MAY, 1985								
24...	0735	8.1	19.0	1.1	5	8.0	87	1.1
24...	0740	7.6	8.5	2.0	10	6.5	56	1.0
AUG								
15...	1435	7.6	26.5	.70	5	1.6	20	1.1
15...	1440	7.3	13.5	3.7	10	.3	3	1.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07058995 NORFORK LAKE AT HENDERSON, ARK.--CONTINUED

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
10...	1301	--	--	--	--	--	1.10	<.100
10...	1305	190	167	.20	<.010	<.010	--	--
10...	1310	180	165	.20	<.010	<.010	--	--
MAY, 1985								
24...	0731	--	--	--	--	--	3.30	<.100
24...	0735	140	136	.20	<.010	<.010	--	--
24...	0740	140	139	.60	<.010	<.010	--	--
AUG								
15...	1431	--	--	--	--	--	1.90	<.100
15...	1435	170	158	<.10	<.010	<.010	--	--
15...	1440	150	147	<.10	<.010	<.010	--	--

07059095 NORFORK LAKE ON FALL CREEK, ARK.
(LAT 36 20 07 LONG 092 17 04)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
10...	1330	80513	80513	.00	32.0	759	2	2.80	--
10...	1331	80513	80010	3.00	32.0	759	--	--	--
10...	1335	80513	80010	16.0	32.0	759	--	--	310
MAY, 1985									
24...	0930	80513	80513	.00	38.0	760	2	2.60	--
24...	0931	80513	80010	3.00	38.0	760	--	--	--
24...	0935	80513	80010	38.0	38.0	760	--	--	269
AUG									
15...	1500	80513	80513	.00	20.0	746	2	1.80	--
15...	1501	80513	80010	3.00	20.0	746	--	--	--
15...	1505	80513	80010	10.0	20.0	746	--	--	282

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
10...	1335	8.3	10.0	1.0	5	9.5	85	1.5
MAY, 1985								
24...	0935	7.9	20.0	.70	15	6.2	68	1.4
AUG								
15...	1505	8.5	29.5	1.0	10	7.4	99	2.1

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
10...	1331	--	--	--	--	--	1.20	<.100
10...	1335	180	169	.20	<.010	<.010	--	--
MAY, 1985								
24...	0931	--	--	--	--	--	3.40	<.100
24...	0935	140	139	.20	<.010	<.010	--	--
AUG								
15...	1501	--	--	--	--	--	6.60	<.100
15...	1505	150	145	<.10	<.010	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07059495 NORFORK LAKE NEAR HAND, ARK.
(LAT 36 16 27 LONG 092 12 30)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
07...	1000	80513	80513	.00	150	763	11	2.00	--
07...	1001	80513	80010	3.00	150	763	--	--	--
07...	1005	80513	80010	30.0	150	763	--	--	300
07...	1010	80513	80010	120	150	763	--	--	300
MAY, 1985									
23...	1630	80513	80513	.00	150	760	0	3.8	--
23...	1631	80513	80010	3.00	150	760	--	--	--
23...	1635	80513	80010	30.0	150	760	--	--	254
23...	1640	80513	80010	120	150	760	--	--	277
AUG									
15...	1100	80513	80513	.00	140	752	K6	3.00	--
15...	1101	80513	80010	3.00	140	752	--	--	--
15...	1105	80513	80010	28.0	140	752	--	--	280
15...	1110	80513	80010	112	140	752	--	--	252

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
07...	1005	8.1	10.5	1.5	<1	7.5	67	.8
07...	1010	8.1	10.5	2.0	<1	7.3	65	.9
MAY, 1985								
23...	1635	8.0	18.5	.80	5	6.6	71	1.2
23...	1640	7.6	7.5	1.9	10	6.2	52	.6
AUG								
15...	1105	7.7	25.0	.70	<1	3.2	39	1.1
15...	1110	7.8	12.5	1.2	5	.6	6	.9

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
DEC, 1984								
07...	1001	--	--	--	--	--	1.20	<.100
07...	1005	160	158	.20	<.010	<.010	--	--
07...	1010	160	159	.20	<.010	<.010	--	--
MAY, 1985								
23...	1631	--	--	--	--	--	1.70	<.100
23...	1635	140	128	.30	<.010	<.010	--	--
23...	1640	150	139	.40	<.010	<.010	--	--
AUG								
15...	1101	--	--	--	--	--	2.00	<.100
15...	1105	140	136	<.10	<.010	<.010	--	--
15...	1110	140	128	.30	<.010	<.010	--	--

07061600 BLACK RIVER BELOW ANNAPOLIS, MO.
(LAT 37 19 30 LONG 090 45 50)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
05...	0900	80513	80513	.00	6.0	770	6	.90	--
05...	0905	80513	80010	3.00	6.0	770	--	--	160
MAY, 1985									
01...	0800	80513	80513	.00	4.0	754	66	1.20	--
01...	0805	80513	80010	2.00	4.0	754	--	--	175
AUG									
20...	1700	80513	80513	.00	6.0	753	14	--	--
20...	1705	80513	80010	3.00	6.0	753	--	--	243

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07061600 BLACK RIVER BELOW ANNAPOLIS, MO.--CONTINUED

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
05...	0905	8.0	6.0	15	5	11.6	92	.5
MAY, 1985								
01...	0805	7.8	16.0	1.0	5	8.8	90	.4
AUG								
20...	1705	8.2	24.0	.30	<1	8.6	104	.6

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
05...	0905	80	51	.20	<.010	<.010	<.100	<.100
MAY, 1985								
01...	0805	90	84	.20	<.010	.010	.300	<.100
AUG								
20...	1705	120	110	.10	.010	<.010	<.100	<.100

07061700 CLEARWATER LAKE ABOVE FINLEY BRANCH, MO.
(LAT 37 12 30 LONG 090 46 43)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
05...	1100	80513	80513	.00	12.0	770	26	.60	--
05...	1101	80513	80010	3.00	12.0	770	--	--	--
05...	1105	80513	80010	6.00	12.0	770	--	--	170
MAY, 1985									
01...	1145	80513	80513	.00	30.0	756	0	3.2	--
01...	1146	80513	80010	3.00	30.0	756	--	--	--
01...	1150	80513	80010	15.0	30.0	756	--	--	176
AUG									
20...	1430	80513	80513	.00	34.0	757	5	2.50	--
20...	1431	80513	80010	3.00	34.0	757	--	--	--
20...	1435	80513	80010	17.0	34.0	757	--	--	215

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
05...	1105	7.6	6.0	1.0	<1	10.0	79	1.2
MAY, 1985								
01...	1150	7.6	17.5	2.0	10	7.6	80	.5
AUG								
20...	1435	7.3	26.5	1.0	5	2.3	29	1.0

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07061700 CLEARWATER LAKE ABOVE FINLEY BRANCH, MO.--CONTINUED

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
05...	1101	--	--	--	--	--	1.30	<.100
05...	1105	84	68	.20	<.010	.010	--	--
MAY, 1985								
01...	1146	--	--	--	--	--	1.30	<.100
01...	1150	89	84	<.10	<.010	<.010	--	--
AUG								
20...	1431	--	--	--	--	--	5.30	<.100
20...	1435	100	111	<.10	.020	<.010	--	--

07061950 CLEARWATER LAKE AT CARTER HOLLOW, MO.
(LAT 37 09 58 LONG 090 48 43)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
05...	1430	80513	80513	.00	10.0	770	32	.30	--
05...	1431	80513	80010	3.00	10.0	770	--	--	--
05...	1435	80513	80010	5.00	10.0	770	--	--	175
MAY, 1985									
01...	1115	80513	80513	.00	32.0	756	0	3.00	--
01...	1116	80513	80010	3.00	32.0	756	--	--	--
01...	1120	80513	80010	16.0	32.0	756	--	--	161
AUG									
20...	1415	80513	80513	.00	32.0	757	K3	2.50	--
20...	1416	80513	80010	3.00	32.0	757	--	--	--
20...	1420	80513	80010	16.0	32.0	757	--	--	178

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
05...	1435	8.1	6.0	20	10	9.8	78	2.8
MAY, 1985								
01...	1120	7.4	17.5	3.0	10	7.0	74	.6
AUG								
20...	1420	7.6	28.0	1.0	5	3.7	48	1.0

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
05...	1431	--	--	--	--	--	7.40	<.100
05...	1435	86	79	.20	.100	.030	--	--
MAY, 1985								
01...	1116	--	--	--	--	--	1.20	<.100
01...	1120	82	70	.20	<.010	<.010	--	--
AUG								
20...	1416	--	--	--	--	--	4.80	<.100
20...	1420	88	95	<.10	.020	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07061980 CLEARWATER LAKE NEAR CARTER SPRING ON WEBB CREEK, MO.
(LAT 37 08 34 LONG 090 49 08)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
05...	1400	80513	80513	.00	10.0	770	8	.60	--
05...	1401	80513	80010	3.00	10.0	770	--	--	--
05...	1405	80513	80010	5.00	10.0	770	--	--	170
MAY, 1985									
01...	1100	80513	80513	.00	28.0	756	0	3.00	--
01...	1101	80513	80010	3.00	28.0	756	--	--	--
01...	1105	80513	80010	14.0	28.0	756	--	--	138
AUG									
20...	1400	80513	80513	.00	30.0	757	0	1.70	--
20...	1401	80513	80010	3.00	30.0	757	--	--	--
20...	1405	80513	80010	15.0	30.0	757	--	--	178

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
05...	1405	7.7	6.0	15	10	8.4	67	1.6
MAY, 1985								
01...	1105	7.5	17.0	2.5	10	7.0	73	1.3
AUG								
20...	1405	7.7	28.0	.80	5	6.2	80	1.4

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
DEC, 1984								
05...	1401	--	--	--	--	--	1.60	<.100
05...	1405	88	37	.20	.090	.010	--	--
MAY, 1985								
01...	1101	--	--	--	--	--	1.70	<.100
01...	1105	69	66	<.10	<.010	<.010	--	--
AUG								
20...	1401	--	--	--	--	--	5.90	<.100
20...	1405	88	80	<.10	.020	<.010	--	--

07075025 GREERS FERRY LAKE AT BRUSH CREEK, ARK.
(LAT 35 37 15 LONG 092 11 16)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
03...	1200	80513	80513	.00	76.0	770	85	1.30	--
03...	1201	80513	80010	3.00	76.0	770	--	--	--
03...	1205	80513	80010	15.0	76.0	770	--	--	50
03...	1210	80513	80010	61.0	76.0	770	--	--	62
MAY, 1985									
03...	0630	80513	80513	.00	62.8	765	48	.80	--
03...	0631	80513	80513	3.00	62.0	765	--	--	--
03...	0635	80513	80513	12.5	62.0	765	--	--	59
03...	0640	80513	80513	49.5	62.0	765	--	--	59
AUG									
19...	1000	80513	80513	.00	45.0	754	0	2.20	--
19...	1001	80513	80010	3.00	45.0	754	--	--	--
19...	1005	80513	80010	9.00	45.0	754	--	--	50
19...	1010	80513	80010	36.0	45.0	754	--	--	100

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07075025 GREERS FERRY LAKE AT BRUSH CREEK, ARK.--CONTINUED

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
03...	1205	7.0	10.0	6.0	10	10.0	88	1.7
03...	1210	6.9	8.5	9.0	<1	9.6	81	1.4
MAY, 1985								
03...	0635	8.2	17.5	12	25	7.3	76	.6
03...	0640	6.8	11.5	17	35	6.4	58	.6
AUG								
19...	1005	7.3	28.5	1.3	5	7.2	94	.9
19...	1010	6.5	17.5	6.0	50	.4	4	1.2

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
03...	1201	--	--	--	--	--	3.40	<.100
03...	1205	17	14	.20	.010	<.010	--	--
03...	1210	23	20	.10	.010	.030	--	--
MAY, 1985								
03...	0631	--	--	--	--	--	1.40	<.100
03...	0635	27	22	.10	<.010	.010	--	--
03...	0640	28	22	.20	<.010	.020	--	--
AUG								
19...	1001	--	--	--	--	--	3.00	<.100
19...	1005	21	18	<.10	.020	<.010	--	--
19...	1010	46	42	<.10	.110	.090	--	--

07075215 GREERS FERRY LAKE ABOVE HILL CREEK, ARK.
(LAT 35 36 24 LONG 092 30 14)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
03...	1245	80513	80513	.00	94.0	771	60	1.40	--
03...	1246	80513	80010	3.00	94.0	771	--	--	--
03...	1250	80513	80010	19.0	94.0	771	--	--	50
03...	1255	80513	80010	75.0	94.0	771	--	--	52
MAY, 1985									
03...	0715	80513	80513	.00	85.0	765	22	.90	--
03...	0716	80513	80010	3.00	85.0	765	--	--	--
03...	0720	80513	80010	17.0	85.0	765	--	--	43
03...	0725	80513	80010	68.0	85.0	765	--	--	49
AUG									
19...	1030	80513	80513	.00	75.0	754	2	2.60	--
19...	1031	80513	80010	3.00	75.0	754	--	--	--
19...	1035	80513	80010	15.0	75.0	754	--	--	41
19...	1040	80513	80010	60.0	75.0	754	--	--	69

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS (MG/L AS CACO3) (00900)
DEC, 1984									
03...	1250	6.9	10.5	4.0	15	9.1	81	1.5	16
03...	1255	6.7	9.0	10	20	9.3	79	1.4	14
MAY, 1985									
03...	0720	6.9	16.5	9.5	30	8.2	84	.8	16
03...	0725	6.5	9.5	10	25	5.3	46	.5	20
AUG									
19...	1035	7.2	28.5	8.5	5	7.5	98	1.0	16
19...	1040	6.4	12.5	8.1	40	.5	5	.9	22

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07075215 GREERS FERRY LAKE ABOVE HILL CREEK, ARK.--CONTINUED

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	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)
DEC, 1984									
03...	1246	--	--	--	--	--	--	1.80	<.100
03...	1250	14	.10	--	--	.010	.030	--	--
03...	1255	11	.20	.70	.90	<.010	.010	--	--
MAY, 1985									
03...	0716	--	--	--	--	--	--	.800	<.100
03...	0720	15	.10	--	--	<.010	<.010	--	--
03...	0725	16	.30	--	--	<.010	<.010	--	--
AUG									
19...	1031	--	--	--	--	--	--	3.70	<.100
19...	1035	15	<.10	--	--	.020	<.010	--	--
19...	1040	26	<.10	--	--	.030	<.010	--	--

07075490 GREERS FERRY LAKE NEAR CLINTON, ARK.
(LAT 35 35 06 LONG 092 25 32)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
03...	0930	80513	80513	.00	22.0	771	130	1.20	--
03...	0931	80513	80010	3.00	22.0	771	--	--	--
03...	0935	80513	80010	11.0	22.0	771	--	--	36
MAY, 1985									
02...	1630	80513	80513	.00	24.0	760	110	1.20	--
02...	1631	80513	80010	3.00	24.0	760	--	--	--
02...	1635	80513	80010	12.0	24.0	760	--	--	27
AUG									
19...	0800	80513	80513	.00	6.0	755	9	.80	--
19...	0805	80513	80010	3.00	6.0	755	--	--	43

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
03...	0935	6.9	8.0	6.0	10	10.0	83	1.6
MAY, 1985								
02...	1635	6.6	16.5	8.0	20	8.1	83	.5
AUG								
19...	0805	6.7	28.0	3.0	<1	6.5	84	2.1

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
DEC, 1984								
03...	0931	--	--	--	--	--	.500	<.100
03...	0935	8	8	<.10	.010	.020	--	--
MAY, 1985								
02...	1631	--	--	--	--	--	5.80	<.100
02...	1635	10	9	<.10	<.010	<.010	--	--
AUG								
19...	0805	15	15	<.10	.030	<.010	15.0	<.100

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07075602 GREERS FERRY LAKE NEAR CHOCTAW, ARK.
(LAT 35 31 27 LONG 092 25 04)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
03...	1015	80513	80513	.00	22.0	771	130	.40	--
03...	1016	80513	80010	3.00	22.0	771	--	--	--
03...	1020	80513	80010	11.0	22.0	771	--	--	38
MAY, 1985									
02...	1715	80513	80513	.00	16.0	760	9	1.50	--
02...	1716	80513	80010	3.00	16.0	760	--	--	--
02...	1720	80513	80010	8.00	16.0	760	--	--	24
AUG									
19...	0830	80513	80513	.00	8.0	755	3	1.00	--
19...	0831	80513	80010	3.00	8.0	755	--	--	--
19...	0835	80513	80010	4.00	8.0	755	--	--	33

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
03...	1020	6.7	9.5	15	20	10.2	88	1.6
MAY, 1985								
02...	1720	6.7	20.0	7.0	10	7.9	87	.9
AUG								
19...	0835	7.0	27.5	1.0	5	7.4	95	1.1

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
03...	1016	--	--	--	--	--	1.70	<.100
03...	1020	9	7	.10	.020	<.010	--	--
MAY, 1985								
02...	1716	--	--	--	--	--	.500	<.100
02...	1720	10	8	.10	<.010	<.010	--	--
AUG								
19...	0831	--	--	--	--	--	4.00	<.100
19...	0835	12	11	<.10	.020	<.010	--	--

07075638 GREERS FERRY LAKE AT HIGDEN, ARK.
(LAT 35 33 48 LONG 092 11 48)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
03...	1315	80513	80513	.00	155	770	21	1.60	--
03...	1316	80513	80010	3.00	155	770	--	--	--
03...	1320	80513	80010	31.0	155	770	--	--	48
03...	1325	80513	80010	121	155	770	--	--	48
MAY, 1985									
03...	0800	80513	80513	.00	125	766	3	1.30	--
03...	0801	80513	80513	3.00	125	766	--	--	--
03...	0805	80513	80010	25.0	125	766	--	--	32
03...	0810	80513	80010	100	125	766	--	--	39
AUG									
19...	1100	80513	80513	.00	120	754	11	4.1	--
19...	1101	80513	80010	3.00	120	754	--	--	--
19...	1105	80513	80010	24.0	120	754	--	--	37
19...	1110	80513	80010	96.0	120	754	--	--	36

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07075638 GREERS FERRY LAKE AT HIGDEN, ARK.--CONTINUED

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS (MG/L AS CACO3) (00900)
DEC, 1984									
03...	1320	6.8	11.0	35	10	8.7	78	.8	17
03...	1325	6.7	9.5	20	20	8.4	73	1.3	20
MAY, 1985									
03...	0805	6.9	15.0	9.5	35	9.1	90	.6	19
03...	0810	6.3	7.5	11	15	8.7	72	.6	17
AUG									
19...	1105	6.9	28.0	.50	5	5.9	76	1.0	15
19...	1110	6.5	11.5	5.0	25	4.5	42	2.2	17

DATE	TIME	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984									
03...	1316	--	--	--	--	--	--	.700	<.100
03...	1320	14	.10	--	--	<.010	<.010	--	--
03...	1325	17	.10	1.5	1.6	.030	.020	--	--
MAY, 1985									
03...	0801	--	--	--	--	--	--	1.40	<.100
03...	0805	14	.90	--	--	<.010	.160	--	--
03...	0810	13	<.10	--	--	.030	.030	--	--
AUG									
19...	1101	--	--	--	--	--	--	1.00	<.100
19...	1105	13	<.10	--	--	.020	<.010	--	--
19...	1110	15	.30	--	--	.020	<.010	--	--

07075660 GREERS FERRY LAKE NEAR EDEN ISLE, ARK.
(LAT 35 30 12 LONG 092 05 32)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)
DEC, 1984										
03...	1445	80513	80513	.00	92.0	770	8	2.50	--	--
03...	1446	80513	80010	3.00	92.0	770	--	--	--	--
03...	1450	80513	80010	18.0	92.0	770	--	--	46	6.9
03...	1455	80513	80010	72.0	92.0	770	--	--	46	6.9
MAY, 1985										
02...	1315	80513	80513	.00	74.0	766	2	2.80	--	--
02...	1316	80513	80010	3.00	74.0	766	--	--	--	--
02...	1320	80513	80010	15.0	74.0	766	--	--	40	7.7
02...	1325	80513	80010	59.0	74.0	766	--	--	41	7.2
AUG										
19...	1515	80513	80513	.00	70.0	758	1	3.5	--	--
19...	1516	80513	80010	3.00	70.0	758	--	--	--	--
19...	1520	80513	80010	14.0	70.0	758	--	--	38	7.3
19...	1525	80513	80010	56.0	70.0	758	--	--	37	6.6

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

WHITE RIVER BASIN--CONTINUED

07075660 GREERS FERRY LAKE NEAR EDEN ISLE, ARK.--CONTINUED

DATE	TIME	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC, 1984										
03...	1450	12.5	--	--	9.7	90	1.0	15	13	.10
03...	1455	11.0	3.5	5	9.4	84	1.0	15	13	.10
MAY, 1985										
02...	1320	20.0	--	15	9.9	108	.6	16	13	<.10
02...	1325	11.5	3.5	10	9.8	89	.2	17	13	.20
AUG										
19...	1520	28.5	.50	<1	7.7	100	.8	15	13	<.10
19...	1525	13.0	3.5	5	3.3	31	.5	15	13	.20

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)	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)
DEC, 1984									
03...	1446	--	--	--	--	--	--	.700	<.100
03...	1450	.010	--	--	--	.010	.020	--	--
03...	1455	--	--	--	--	<.010	<.010	--	--
MAY, 1985									
02...	1316	--	--	--	--	--	--	1.60	<.100
02...	1320	.040	.36	.40	--	<.010	<.010	--	--
02...	1325	--	--	.80	1.0	.010	<.010	--	--
AUG									
19...	1516	--	--	--	--	--	--	1.00	<.100
19...	1520	--	--	--	--	.010	<.010	--	--
19...	1525	--	--	--	--	.010	<.010	--	--

ARKANSAS RIVER BASIN

07247095 BLACK FORK AT BLACK FORK, ARK.
(LAT 34 45 43 LONG 094 25 52)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
AUG, 1985										
08...	0900	80513	80010	E.05	750	54	6.9	26.5	5.2	66

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	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)
AUG, 1985										
08...	0900	11	0	1.8	1.5	1.6	23	.2	.60	10

DATE	TIME	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)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)
AUG, 1985										
08...	0900	2.7	1.1	<.10	4.3	22	20	.03	<.10	140

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

ARKANSAS RIVER BASIN--CONTINUED

07247095 BLACK FORK AT BLACK FORK, ARK.--CONTINUED

DATE	TIME	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, DISSOLVED (UG/L AS B) (01020)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
AUG, 1985									
08...	0900	<1	<1	<100	<10	<20	<20	<1	10

DATE	TIME	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)
AUG, 1985									
08...	0900	<1	5	160	950	2	<10	40	<.1

DATE	TIME	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDIMENT, SUSPENDED (MG/L) (80154)
AUG, 1985									
08...	0900	<1	8	<1	<1	40	40	3.6	3

07258600 BLUE MOUNTAIN LAKE AT THE NARROWS, ARK.
(LAT 35 05 37 LONG 093 48 35)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
21...	1005	80513	80513	.00	20.0	745	200	.20	--
21...	1006	80513	80010	3.00	20.0	745	--	--	--
21...	1010	80513	80010	10.0	20.0	745	--	--	38
MAY, 1985									
28...	1230	80513	80010	.00	6.0	761	77	--	--
28...	1235	80513	80010	3.00	6.0	761	--	--	74
AUG									
22...	1445	80513	80513	.00	4.0	753	160	.50	--
22...	1450	80513	80010	2.00	4.0	753	--	--	112

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
21...	1010	6.5	9.5	10	45	9.7	87	1.2
MAY, 1985								
28...	1235	6.9	23.5	--	10	8.3	98	2.1
AUG								
22...	1450	7.3	27.5	2.0	15	5.7	73	3.2

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

ARKANSAS RIVER BASIN--CONTINUED

07258600 BLUE MOUNTAIN LAKE AT THE NARROWS, ARK.--CONTINUED

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
21...	1006	--	--	--	--	--	<.100	<.100
21...	1010	8	9	<.10	<.010	<.010	--	--
MAY, 1985								
28...	1235	24	25	.20	.050	.020	11.0	<.100
AUG								
22...	1450	30	39	<.10	.030	<.010	<.100	<.100

07258680 SUGAR CREEK NEAR BOONEVILLE, ARK.
(LAT 35 02 05 LONG 093 50 47)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS (MG/L AS CACO3) (00900)
AUG, 1985											
08...	1130	80513	80010	E.50	750	77	7.1	31.0	5.2	71	18

DATE	TIME	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	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 FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
AUG, 1985											
08...	1130	0	2.8	2.6	5.0	35	.5	1.7	19	1.8	6.1

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, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)
AUG, 1985											
08...	1130	<.10	5.6	39	37	.05	<.10	60	<1	<1	<100

DATE	TIME	BERYL-LIUM, TOTAL RECOV-ERABLE (UG/L AS BE) (01012)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132)
AUG, 1985											
08...	1130	<10	20	1	20	<1	3	300	1600	1	<10

DATE	TIME	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
AUG, 1985											
08...	1130	110	<.1	<1	7	<1	<1	30	30	4.0	4

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

ARKANSAS RIVER BASIN--CONTINUED

07258699 BLUE MOUNTAIN LAKE AT SUGAR GROVE, ARK.
(LAT 35 04 41 LONG 093 49 05)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
21...	0740	80513	80513	.00	30.0	743	K1600	.60	--
21...	0741	80513	80010	3.00	30.0	743	--	--	--
21...	0745	80513	80010	15.0	30.0	743	--	--	48
MAY, 1985									
28...	1400	80513	80513	.00	5.0	770	10	1.5	--
28...	1405	80513	80010	2.50	5.0	770	--	--	48

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
21...	0745	7.0	10.0	30	60	9.7	88	1.2
MAY, 1985								
28...	1405	6.7	23.0	6.0	20	8.0	92	1.4

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
DEC, 1984								
21...	0741	--	--	--	--	--	.500	<.100
21...	0745	14	15	.20	.050	<.010	--	--
MAY, 1985								
28...	1405	17	13	<.10	<.010	<.010	1.00	<.100

07258705 BLUE MOUNTAIN LAKE NEAR SUGAR GROVE, ARK.
(LAT 35 05 50 LONG 093 48 08)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
21...	0910	80513	80513	.00	60.0	744	68	.30	--
21...	0911	80513	80010	3.00	60.0	744	--	--	--
21...	0915	80513	80010	12.0	60.0	744	--	--	41
21...	0920	80513	80010	48.0	60.0	744	--	--	42
MAY, 1985									
28...	1300	80513	80513	.00	12.8	768	15	.20	--
28...	1305	80513	80010	3.00	12.0	768	--	--	86
28...	1310	80513	80010	10.0	12.0	768	--	--	73
AUG									
22...	1400	80513	80513	.00	9.0	754	0	.50	--
22...	1401	80513	80010	3.00	9.0	754	--	--	--
22...	1405	80513	80010	2.00	9.0	754	--	--	119
22...	1410	80513	80010	7.00	9.0	754	--	--	137

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

ARKANSAS RIVER BASIN--CONTINUED

07258705 BLUE MOUNTAIN LAKE NEAR SUGAR GROVE, ARK.--CONTINUED

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
21...	0915	7.0	9.5	15	60	6.8	61	1.4
21...	0920	6.4	9.0	25	85	6.6	58	1.8
MAY, 1985								
28...	1305	6.7	20.5	8.3	20	4.8	53	1.2
28...	1310	6.6	20.5	2.7	20	4.0	44	2.3
AUG								
22...	1405	7.5	28.0	2.0	15	6.5	84	2.8
22...	1410	7.2	27.5	3.5	10	1.0	13	2.4

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
21...	0911	--	--	--	--	--	.900	<.100
21...	0915	16	18	.10	.050	.010	--	--
21...	0920	14	18	.10	.040	<.010	--	--
MAY, 1985								
28...	1305	24	22	.10	.030	<.010	12.0	<.100
28...	1310	21	20	.10	<.010	<.010	--	--
AUG								
22...	1401	--	--	--	--	--	21.0	<.100
22...	1405	32	40	<.10	.030	<.010	--	--
22...	1410	33	41	<.10	.020	<.010	--	--

07258900 BLUE MOUNTAIN LAKE AT ASHLEY CREEK NEAR WAVELAND, ARK.
(LAT 35 06 14 LONG 093 42 26)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
20...	1630	80513	80513	.00	34.0	750	130	.70	--
20...	1631	80513	80010	3.00	34.0	750	--	--	--
20...	1635	80513	80010	17.0	34.0	750	--	--	39
MAY, 1985									
28...	1130	80513	80513	.00	6.0	762	0	.60	--
28...	1135	80513	80513	3.00	6.0	762	--	--	56
AUG									
23...	0745	80513	80513	.00	4.0	754	8	.30	--
23...	0750	80513	80010	2.00	4.0	754	--	--	67

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
20...	1635	7.7	9.5	20	50	8.0	71	1.2
MAY, 1985								
28...	1135	7.0	24.0	3.5	30	10.0	119	1.3
AUG								
23...	0750	7.6	27.0	11	20	6.4	81	3.4

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

ARKANSAS RIVER BASIN--CONTINUED

07258900 BLUE MOUNTAIN LAKE AT ASHLEY CREEK NEAR WAVELAND, ARK.--CONTINUED

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
DEC, 1984								
20...	1631	--	--	--	--	--	.300	<.100
20...	1635	17	18	.20	.030	.010	--	--
MAY, 1985								
28...	1135	16	15	<.10	<.010	<.010	1.20	<.100
AUG								
23...	0750	19	19	<.10	.060	.030	41.0	<.100

07261400 MILL CREEK NEAR BOLES, ARK.
(LAT 34 44 14 LONG 094 04 49)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
APR, 1985										
23...	1430	80513	80010	545	737	21	6.7	19.0	9.6	107

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (ZY/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
APR, 1985										
23...	1430	6	0	.99	.86	1.2	28	.2	.60	3.9

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 DISSOLVED (MG/L AS N) (00631)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, TOTAL (UG/L AS SB) (01097)
APR, 1985										
23...	1430	2.0	<.10	5.7	14	19	.02	<.10	450	<1

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, DISSOLVED (UG/L AS B) (01020)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)
APR, 1985									
23...	1430	<1	<100	<10	20	30	1	20	5

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)
APR, 1985									
23...	1430	6	76	1200	3	<10	20	<.1	44

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

ARKANSAS RIVER BASIN--CONTINUED

07261400 MILL CREEK NEAR BOLES, ARK.--CONTINUED

DATE	TIME	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	SEDIMENT, SUSPENDED (MG/L) (80154)
APR, 1985 23...	1430	1	<1	<1	20	30	3.7	<.4	9

07261600 GAFFORDS CREEK NEAR BLUFFTON, ARK.
(LAT 34 53 52 LONG 093 36 45)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
APR, 1985 23...	1145	80513	80010	409	750	30	7.2	17.0	9.3	98

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	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)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
APR, 1985 23...	1145	9	0	1.7	1.1	1.9	27	.3	1.7	11

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 DISSOLVED (MG/L AS N) (00631)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, TOTAL (UG/L AS SB) (01097)
APR, 1985 23...	1145	3.5	<.10	7.0	16	33	.02	<.10	720	<1

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, DISSOLVED (UG/L AS B) (01020)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)
APR, 1985 23...	1145	<1	<100	<10	<20	50	1	10	6

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)
APR, 1985 23...	1145	4	140	200	8	<10	30	<.1	30

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

ARKANSAS RIVER BASIN--CONTINUED

07261600 GAFFORDS CREEK NEAR BLUFFTON, ARK.--CONTINUED

DATE	TIME	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	STRON-TIUM, TOTAL RECOV-ERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
APR, 1985									
23...	1145	3	<1	<1	20	30	4.2	<.4	28

07261820 NIMROD LAKE AT HIGHWAY 27 BRIDGE, ARK.
(LAT 34 55 36 LONG 093 24 36)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
20...	1415	80513	80513	.00	10.0	756	240	.20	--
20...	1416	80513	80010	3.00	10.0	756	--	--	--
20...	1420	80513	80010	5.00	10.0	756	--	--	19
MAY, 1985									
29...	1330	80513	80513	.00	8.0	761	11	.40	--
29...	1331	80513	80010	3.00	8.0	761	--	--	--
29...	1335	80513	80513	4.00	8.0	761	--	--	50
AUG									
26...	1315	80513	80513	.00	2.0	760	17	--	--
26...	1320	80513	80010	1.00	2.0	760	--	--	62

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
20...	1420	6.3	10.0	35	40	9.8	87	1.4
MAY, 1985								
29...	1335	6.7	24.0	6.5	15	8.2	98	3.4
AUG								
26...	1320	6.9	29.0	4.5	5	7.2	94	2.3

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
20...	1416	--	--	--	--	--	.800	<.100
20...	1420	8	11	.10	.030	<.010	--	--
MAY, 1985								
29...	1331	--	--	--	--	--	5.70	<.100
29...	1335	18	22	<.10	<.010	<.010	--	--
AUG								
26...	1320	19	22	<.10	.030	<.010	8.40	<.100

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

ARKANSAS RIVER BASIN--CONTINUED

07261880 NIMROD LAKE AT PLAINVIEW, ARK.
(LAT 34 59 03 LONG 093 18 36)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
20...	1310	80513	80513	.00	6.0	756	76	.20	--
20...	1315	80513	80010	3.00	6.0	756	--	--	23
MAY, 1985									
29...	1300	80513	80513	.00	2.0	761	K4800	--	--
29...	1305	80513	80010	1.00	2.0	761	--	--	81
AUG									
26...	1245	80513	80513	.00	2.0	761	K3	.60	--
26...	1250	80513	80010	1.00	2.0	761	--	--	109

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
20...	1315	6.4	10.0	35	70	10.2	91	2.2
MAY, 1985								
29...	1305	6.5	20.5	65	15	6.4	71	4.4
AUG								
26...	1250	6.4	24.0	3.0	15	4.5	54	2.6

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
DEC, 1984								
20...	1315	10	12	.10	.080	.030	.900	<.100
MAY, 1985								
29...	1305	19	17	.40	.180	.140	5.70	<.100
AUG								
26...	1250	32	36	<.10	.030	<.010	4.90	<.100

07261910 NIMROD LAKE NEAR WARDS CROSSING, ARK.
(LAT 34 57 03 LONG 093 19 24)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
20...	1220	80513	80513	.00	18.0	756	K3400	.70	--
20...	1221	80513	80010	3.00	18.0	756	--	--	--
20...	1225	80513	80010	9.00	18.0	756	--	--	48
MAY, 1985									
29...	1400	80513	80513	.00	12.0	762	K3400	.40	--
29...	1401	80513	80010	3.00	12.0	762	--	--	--
29...	1405	80513	80010	6.00	12.0	762	--	--	40
AUG									
26...	1045	80513	80513	.00	10.0	762	14	.40	--
26...	1046	80513	80010	3.00	10.0	762	--	--	--
26...	1050	80513	80010	5.00	10.0	762	--	--	45

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

ARKANSAS RIVER BASIN--CONTINUED

07261910 NIMROD LAKE NEAR WARDS CROSSING, ARK.--CONTINUED

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
20...	1225	6.5	10.0	20	75	7.5	67	1.8
MAY, 1985								
29...	1405	6.1	21.0	2.6	15	1.3	15	1.2
AUG								
26...	1050	6.3	27.5	10	15	4.7	60	2.6

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
20...	1221	--	--	--	--	--	1.30	<.100
20...	1225	18	24	.20	.120	.080	--	--
MAY, 1985								
29...	1401	--	--	--	--	--	1.90	<.100
29...	1405	14	15	<.10	.100	.080	--	--
AUG								
26...	1046	--	--	--	--	--	27.0	<.100
26...	1050	11	11	<.10	.050	<.010	--	--

07261925 NIMROD LAKE ON PRAIRIE CREEK, ARK.
(LAT 34 56 54 LONG 093 17 12)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
20...	1040	80513	80513	.00	12.0	755	K3000	.40	--
20...	1041	80513	80010	3.00	12.0	755	--	--	--
20...	1045	80513	80010	6.00	12.0	755	--	--	23
MAY, 1985									
29...	1030	80513	80513	.00	6.0	762	K46	.30	--
29...	1035	80513	80010	3.00	6.0	762	--	--	41
AUG									
26...	1020	80513	80513	.00	4.0	762	2	.30	--
26...	1025	80513	80010	2.00	4.0	762	--	--	41

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
20...	1045	6.7	11.0	20	30	8.2	75	.8
MAY, 1985								
29...	1035	6.1	23.0	5.0	40	3.6	42	3.5
AUG								
26...	1025	6.6	25.5	3.5	10	5.4	66	2.6

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

ARKANSAS RIVER BASIN--CONTINUED

07261925 NIMROD LAKE ON PRAIRIE CREEK, ARK.--CONTINUED

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
20...	1041	--	--	--	--	--	.700	<.100
20...	1045	10	13	.10	.030	<.010	--	--
MAY, 1985								
29...	1035	11	22	<.10	.010	.020	1.90	<.100
AUG								
26...	1025	12	11	<.10	.040	.010	21.0	<.100

07261950 NIMROD LAKE NEAR CARTER COVE, ARK.
(LAT 34 57 22 LONG 093 14 56)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
DEC, 1984									
20...	1015	80513	80513	.00	10.0	756	K3900	.90	--
20...	1016	80513	80010	3.00	10.0	756	--	--	--
20...	1020	80513	80010	5.00	10.0	756	--	--	26
MAY, 1985									
29...	1000	80513	80513	.00	4.0	762	1	.40	--
29...	1005	80513	80010	2.00	4.0	762	--	--	36
AUG									
26...	1000	80513	80513	.00	2.0	762	1	.40	--
26...	1005	80513	80010	1.00	2.0	762	--	--	42

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
DEC, 1984								
20...	1020	6.4	10.5	9.5	40	7.9	71	1.2
MAY, 1985								
29...	1005	6.3	23.5	11	30	6.8	80	1.7
AUG								
26...	1005	6.6	24.0	7.5	10	6.7	80	2.8

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984								
20...	1016	--	--	--	--	--	1.40	<.100
20...	1020	12	15	<.10	.030	<.010	--	--
MAY, 1985								
29...	1005	10	9	<.10	<.010	<.010	2.40	<.100
AUG								
26...	1005	12	13	<.10	.050	<.010	13.0	<.100

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

RED RIVER BASIN

07339430 DEQUEEN LAKE AT ROBINSON CREEK NEAR GILLHAM, ARK.
(LAT 34 09 49 LONG 094 24 18)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)
DEC, 1984										
27...	1405	80513	80513	.00	12.0	758	44	2.50	--	--
27...	1406	80513	80010	3.00	12.0	758	--	--	--	--
27...	1410	80513	80010	6.00	6.0	758	--	--	22	6.7
MAY, 1985										
16...	1130	80513	80513	.00	10.0	764	83	.90	--	--
16...	1131	80513	80010	3.00	10.0	764	--	--	--	--
16...	1135	80513	80010	5.00	10.0	764	--	--	41	6.8
AUG										
28...	0945	80513	80513	.00	6.0	761	9	1.40	--	--
28...	0950	80513	80010	3.00	6.0	761	--	--	51	6.5

DATE	TIME	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
DEC, 1984										
27...	1410	8.0	4.5	15	10.8	92	.0	8	9	3.8
MAY, 1985										
16...	1135	22.5	2.5	15	7.6	88	1.3	12	11	2.9
AUG										
28...	0950	28.0	2.5	5	6.6	85	2.9	14	15	2.8

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUMINUM, TOTAL RECOVERABLE (UG/L AE AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
DEC, 1984									
27...	1410	1.8	<.10	<.010	<.010	120	<1	10	1
MAY, 1985									
16...	1135	4.5	.10	<.010	.010	<10	<1	10	1
AUG									
28...	0950	4.0	<.10	.060	.020	<10	<1	10	1

DATE	TIME	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)
DEC, 1984									
27...	1406	--	--	--	--	--	--	<.100	<.100
27...	1410	300	<1	20	.2	<1	10	--	--
MAY, 1985									
16...	1131	--	--	--	--	--	--	6.40	<.100
16...	1135	220	2	30	.1	4	20	--	--
AUG									
28...	0950	420	2	150	<.1	3	60	4.20	2.50

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

RED RIVER BASIN--CONTINUED

07339440 DEQUEEN LAKE AT BELLAH CREEK NEAR KELLUM, ARK.
(LAT 34 07 07 LONG 094 23 10)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
27...	1425	80513	80513	.00	50.0	757	54	.90	--
27...	1426	80513	80010	3.00	50.0	757	--	--	--
27...	1430	80513	80010	10.0	50.0	757	--	--	32
27...	1435	80513	80010	40.0	50.0	757	--	--	30
MAY, 1985									
16...	1100	80513	80513	.00	44.0	764	0	1.30	--
16...	1101	80513	80010	3.00	44.0	764	--	--	--
16...	1105	80513	80010	9.00	44.0	764	--	--	32
16...	1110	80513	80010	35.0	44.0	764	--	--	33
AUG									
28...	0915	80513	80513	.00	44.0	761	1	1.50	--
28...	0916	80513	80010	3.00	44.0	761	--	--	--
28...	0920	80513	80010	9.00	44.0	761	--	--	40
28...	0925	80513	80010	35.0	44.0	761	--	--	78

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)
DEC, 1984									
27...	1430	7.2	10.5	6.5	20	9.0	81	.3	10
27...	1435	7.1	10.0	6.0	15	9.0	80	.2	8
MAY, 1985									
16...	1105	7.0	22.0	4.0	20	7.8	89	1.9	12
16...	1110	6.3	17.0	4.6	30	3.2	33	.4	11
AUG									
28...	0920	6.8	28.0	1.3	5	6.6	85	1.7	10
28...	0925	6.3	20.5	2.0	150	.2	2	1.4	13

DATE	TIME	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)	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)
DEC, 1984									
27...	1430	9	--	4.0	.20	.010	<.010	--	--
27...	1435	9	--	4.2	.20	<.010	<.010	--	--
MAY, 1985									
16...	1101	--	--	--	--	--	--	12.0	<.100
16...	1105	9	3.2	3.2	<.10	<.010	.010	--	--
16...	1110	9	3.1	3.5	.10	<.010	<.010	--	--
AUG									
28...	0916	--	--	--	--	--	--	11.0	<.100
28...	0920	11	2.6	4.0	<.10	.030	<.010	--	--
28...	0925	27	1.8	5.0	<.10	.060	.050	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

RED RIVER BASIN--CONTINUED

07340430 GILLHAM LAKE AT DUCKETT FORD NEAR UMPIRE, ARK.
(LAT 34 15 46 LONG 094 11 34)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)
DEC, 1984										
27...	1225	80513	80513	.00	8.0	758	20	>2.40	--	--
27...	1226	80513	80010	3.00	8.0	758	--	--	--	--
27...	1230	80513	80010	4.00	4.0	758	--	--	22	6.6
MAY, 1985										
15...	1230	80513	80513	.00	6.0	764	6	1.80	--	--
15...	1235	80513	80010	3.00	6.0	764	--	--	40	7.4
AUG										
27...	1345	80513	80513	.00	4.0	758	11	1.20	--	--
27...	1350	80513	80010	2.00	4.0	758	--	--	77	7.6

DATE	TIME	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
DEC, 1984										
27...	1230	8.0	4.0	8	11.2	95	.4	8	9	3.3
MAY, 1985										
15...	1235	21.5	.70	15	8.0	90	.0	12	13	2.7
AUG										
27...	1350	28.0	.60	10	7.9	102	1.1	24	26	3.5

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
DEC, 1984									
27...	1230	1.9	<.10	<.010	<.010	130	<1	<10	1
MAY, 1985									
15...	1235	3.2	<.10	<.010	<.010	<10	<1	10	1
AUG									
27...	1350	4.7	<.10	.030	<.010	50	<1	10	3

DATE	TIME	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)
DEC, 1984									
27...	1226	--	--	--	--	--	--	<.100	<.100
27...	1230	290	<1	10	.2	<1	10	--	--
MAY, 1985									
15...	1235	90	2	20	<.1	2	20	<.100	<.100
AUG									
27...	1350	220	3	<10	<.1	4	30	.500	<.100

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

RED RIVER BASIN--CONTINUED

07340435 GILLHAM LAKE (OPOSSUM CREEK ARM) NEAR DUCKETT, ARK.
(LAT 34 15 14 LONG 094 13 08)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
27...	1215	80513	80513	.00	30.0	758	26	.60	--
27...	1216	80513	80010	3.00	30.0	758	--	--	--
27...	1220	80513	80010	15.0	30.0	758	--	--	28
MAY, 1985									
15...	1300	80513	80513	.00	26.0	764	6	1.90	--
15...	1301	80513	80010	3.00	26.0	764	--	--	--
15...	1305	80513	80010	13.0	26.0	764	--	--	35
AUG									
27...	1330	80513	80513	.00	18.0	759	K3	1.40	--
27...	1331	80513	80010	3.00	36.0	759	--	--	--
27...	1335	80513	80010	9.00	18.0	759	--	--	58

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)
DEC, 1984									
27...	1220	6.7	8.5	6.5	12	10.0	86	.3	10
MAY, 1985									
15...	1305	6.3	22.0	5.5	10	7.7	88	.9	10
AUG									
27...	1335	6.6	28.5	1.5	10	5.0	65	2.5	18

DATE	TIME	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)	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)
DEC, 1984									
27...	1216	--	--	--	--	--	--	2.40	<.100
27...	1220	9	--	--	.10	<.010	<.010	--	--
MAY, 1985									
15...	1301	--	--	--	--	--	--	4.20	<.100
15...	1305	11	2.5	3.8	<.10	<.010	.010	--	--
AUG									
27...	1331	--	--	--	--	--	--	6.60	<.100
27...	1335	20	2.5	3.0	<.10	.030	<.010	--	--

07340440 GILLHAM LAKE ABOVE COON CREEK NEAR DIERKS, ARK.
(LAT 34 13 53 LONG 094 13 54)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
27...	1200	80513	80513	.00	65.0	759	28	.60	--
27...	1201	80513	80010	3.00	65.0	759	--	--	--
27...	1205	80513	80010	13.0	65.0	759	--	--	27
27...	1210	80513	80010	52.0	65.0	759	--	--	27
MAY, 1985									
15...	1400	80513	80513	.00	58.0	764	0	1.80	--
15...	1401	80513	80010	3.00	58.0	764	--	--	--
15...	1405	80513	80010	11.5	58.0	764	--	--	30
15...	1410	80513	80010	46.5	58.0	764	--	--	30
AUG									
27...	1300	80513	80513	.00	55.0	759	K3	1.20	--
27...	1301	80513	80513	3.00	55.0	759	--	--	--
27...	1305	80513	80010	11.0	55.0	759	--	--	43
27...	1310	80513	80010	44.0	55.0	759	--	--	96

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

RED RIVER BASIN--CONTINUED

07340440 GILLHAM LAKE ABOVE COON CREEK NEAR DIERKS, ARK.--CONTINUED

DATE	TIME	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS (MG/L AS CACO3) (00900)
DEC, 1984									
27...	1205	7.0	11.0	9.0	20	9.0	82	.8	8
27...	1210	6.9	9.0	6.0	10	8.1	70	.5	8
MAY, 1985									
15...	1405	6.5	22.0	4.1	15	7.0	80	.6	9
15...	1410	6.0	15.5	8.1	20	3.2	32	.2	9
AUG									
27...	1305	6.9	28.5	1.0	15	6.2	80	1.9	12
27...	1310	6.4	20.0	3.0	20	.3	3	2.2	17

DATE	TIME	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, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984									
27...	1201	--	--	--	--	--	--	1.00	<.100
27...	1205	8	--	5.0	.10	<.010	<.010	--	--
27...	1210	8	--	3.5	.10	<.010	<.010	--	--
MAY, 1985									
15...	1401	--	--	--	--	--	--	3.60	<.100
15...	1405	8	2.8	3.2	<.10	<.010	<.010	--	--
15...	1410	9	2.9	3.2	.10	<.010	<.010	--	--
AUG									
27...	1301	--	--	--	--	--	--	5.00	<.100
27...	1305	13	2.7	3.7	<.10	.020	.010	--	--
27...	1310	34	1.6	.70	<.10	.060	.020	--	--

07340595 LITTLE RIVER NEAR WILTON, ARK.
(LAT 33 47 00 LONG 094 08 54)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)
DEC, 1984										
27...	0725	80513	80513	.00	25.0	765	20	.70	--	--
27...	0726	80513	80010	3.00	25.0	765	--	--	--	--
27...	0730	80513	80010	5.00	25.0	765	--	--	28	7.0
27...	0735	80513	80010	20.0	25.0	765	--	--	30	7.1
MAY, 1985										
14...	1000	80513	80513	.00	21.0	765	9	.60	--	--
14...	1001	80513	80010	3.00	21.0	765	--	--	--	--
14...	1005	80513	80010	4.00	21.0	765	--	--	51	6.4
14...	1010	80513	80010	17.0	21.0	765	--	--	38	6.4
AUG										
28...	1130	80513	80513	.00	18.0	765	5	1.20	--	--
28...	1131	80513	80010	3.00	18.0	765	--	--	--	--
28...	1135	80513	80010	4.00	18.0	765	--	--	78	6.8
28...	1140	80513	80010	15.0	18.0	765	--	--	65	6.7

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
DEC, 1984										
27...	0730	10.0	9.5	30	10.0	88	.4	12	12	4.5
27...	0735	10.0	9.5	25	9.9	87	.2	12	11	4.3
MAY, 1985										
14...	1005	20.0	12	40	7.4	81	.8	17	13	4.3
14...	1010	19.0	6.1	35	7.9	85	4.2	12	9	3.6
AUG										
28...	1135	29.0	4.0	10	6.8	88	1.8	11	9	3.8
28...	1140	28.5	5.0	25	4.1	53	2.4	30	44	2.4

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

RED RIVER BASIN--CONTINUED

07340595 LITTLE RIVER NEAR WILTON, ARK.--CONTINUED

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
DEC, 1984									
27...	0730	2.6	.20	<.010	<.010	400	<1	<10	1
27...	0735	2.5	.20	<.010	<.010	370	<1	10	1
MAY, 1985									
14...	1005	13	.20	.030	<.010	420	<1	<10	3
14...	1010	3.0	.20	.030	<.010	320	<1	10	1
AUG									
28...	1135	8.0	<.10	.110	.050	190	1	10	2
28...	1140	14	<.10	.150	.050	70	8	10	2

DATE	TIME	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)
DEC, 1984									
27...	0726	--	--	--	--	--	--	.600	<.100
27...	0730	1000	1	50	<.1	<1	30	--	--
27...	0735	1000	<1	60	<.1	<1	30	--	--
MAY, 1985									
14...	1001	--	--	--	--	--	--	.600	<.100
14...	1005	1200	4	190	<.1	2	10	--	--
14...	1010	940	2	130	<.1	1	60	--	--
AUG									
28...	1131	--	--	--	--	--	--	8.40	<.100
28...	1135	610	1	130	.1	1	70	--	--
28...	1140	3000	2	6200	<.1	6	40	--	--

07340800 MILLWOOD LAKE AT YARBOROUGH LANDING NEAR ASHDOWN, ARK.
(LAT 33 43 29 LONG 094 01 05)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)
DEC, 1984										
26...	1545	80513	80513	.00	32.0	766	50	.50	--	--
26...	1546	80513	80010	3.00	32.0	766	--	--	--	--
26...	1550	80513	80010	16.0	32.0	766	--	--	34	6.9
MAY, 1985										
14...	0900	80513	80513	.00	30.0	764	4	.40	--	--
14...	0901	80513	80010	3.00	30.0	764	--	--	--	--
14...	0905	80513	80010	15.0	30.0	764	--	--	48	6.6
AUG										
29...	1000	80513	80513	.00	28.0	764	K180	1.60	--	--
29...	1001	80513	80010	3.00	28.0	764	--	--	--	--
29...	1005	80513	80010	14.0	28.0	764	--	--	114	6.5

DATE	TIME	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
DEC, 1984										
26...	1550	10.0	10	35	10.0	88	.5	10	12	4.6
MAY, 1985										
14...	0905	20.5	19	35	7.2	80	1.0	14	13	4.2
AUG										
29...	1005	27.5	2.5	10	2.4	30	1.5	20	19	3.4

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

RED RIVER BASIN--CONTINUED

07340800 MILLWOOD LAKE AT YARBOROUGH LANDING NEAR ASHDOWN, ARK.--CONTINUED

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P) (73007)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
DEC, 1984									
26...	1550	2.5	.20	<.010	<.010	310	<1	10	2
MAY, 1985									
14...	0905	13	.20	.090	<.010	430	<1	<10	3
AUG									
29...	1005	18	<.10	.050	.020	50	1	10	2

DATE	TIME	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)
DEC, 1984									
26...	1546	--	--	--	--	--	--	.600	<.100
26...	1550	1000	<1	110	<.1	<1	10	--	--
MAY, 1985									
14...	0901	--	--	--	--	--	--	3.40	<.100
14...	0905	1200	3	200	<.1	7	30	--	--
AUG									
29...	1001	--	--	--	--	--	--	2.00	<.100
29...	1005	400	3	490	<.1	3	180	--	--

07340960 DIERKS LAKE AT CAMP CREEK NEAR BURG, ARK.
(LAT 34 11 59 LONG 094 05 22)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)
DEC, 1984										
27...	1005	80513	80513	.00	12.0	759	32	.40	--	--
27...	1006	80513	80010	3.00	12.0	759	--	--	--	--
27...	1010	80513	80010	6.00	12.0	759	--	--	33	6.6
MAY, 1985										
16...	1445	80513	80513	.00	16.0	762	20	.90	--	--
16...	1446	80513	80010	3.00	16.0	762	--	--	--	--
16...	1450	80513	80010	8.00	16.0	762	--	--	42	7.1
AUG										
27...	1030	80513	80513	.00	8.0	760	8	.90	--	--
27...	1031	80513	80010	3.00	8.0	760	--	--	--	--
27...	1035	80513	80010	4.00	8.0	760	--	--	49	6.5

DATE	TIME	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
DEC, 1984										
27...	1010	8.5	10	25	10.4	89	.1	12	12	3.6
MAY, 1985										
16...	1450	23.0	6.5	35	7.9	92	3.7	12	13	2.6
AUG										
27...	1035	27.5	3.5	15	5.5	70	2.6	12	16	4.2

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

RED RIVER BASIN--CONTINUED

07340960 DIERKS LAKE AT CAMP CREEK NEAR BURG, ARK.--CONTINUED

DATE	TIME	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
DEC, 1984									
27...	1010	13	.70	<.010	<.010	440	<1	10	1
MAY, 1985									
16...	1450	4.0	<.10	<.010	.010	<10	<1	<10	2
AUG									
27...	1035	4.4	<.10	.040	.010	140	1	<10	3

DATE	TIME	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)
DEC, 1984									
27...	1006	--	--	--	--	--	--	1.50	<.100
27...	1010	850	<1	30	.3	<1	10	--	--
MAY, 1985									
16...	1446	--	--	--	--	--	--	1.30	<.100
16...	1450	560	3	100	.1	1	<10	--	--
AUG									
27...	1031	--	--	--	--	--	--	10.0	<.100
27...	1035	890	2	210	<.1	6	30	--	--

07340980 DIERKS LAKE AT HOSE CREEK NEAR LEBANON, ARK.
(LAT 34 10 08 LONG 094 05 45)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)
DEC, 1984									
27...	0935	80513	80513	.00	55.0	759	25	.30	--
27...	0936	80513	80010	3.00	55.0	759	--	--	--
27...	0940	80513	80010	11.0	55.0	759	--	--	32
27...	0945	80513	80010	44.0	55.0	759	--	--	41
MAY, 1985									
16...	1400	80513	80513	.00	56.0	762	0	1.90	--
16...	1401	80513	80010	3.00	56.0	762	--	--	--
16...	1405	80513	80010	11.0	56.0	762	--	--	37
16...	1410	80513	80010	45.0	56.0	762	--	--	38
AUG									
27...	1000	80513	80513	.00	45.0	759	0	1.80	--
27...	1001	80513	80010	3.00	45.0	759	--	--	--
27...	1005	80513	80010	9.00	45.0	759	--	--	42
27...	1010	80513	80010	36.0	45.0	759	--	--	126

DATE	TIME	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)
DEC, 1984									
27...	0940	6.4	10.5	15	--	8.1	73	.6	12
27...	0945	6.8	9.0	9.5	30	6.4	56	.4	12
MAY, 1985									
16...	1405	6.6	21.5	1.1	25	6.0	68	2.3	12
16...	1410	6.3	16.0	2.1	25	.0	0	.4	11
AUG									
27...	1005	6.9	28.0	1.3	10	6.9	89	1.8	10
27...	1010	6.4	17.5	3.0	200	.3	3	2.1	18

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

RED RIVER BASIN--CONTINUED

07340980 DIERKS LAKE AT HOSE CREEK NEAR LEBANON, ARK.--CONTINUED

DATE	TIME	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)
DEC, 1984									
27...	0936	--	--	--	--	--	--	1.30	<.100
27...	0940	12	--	4.5	.40	.020	<.010	--	--
27...	0945	13	--	4.5	.50	<.010	<.010	--	--
MAY, 1985									
16...	1401	--	--	--	--	--	--	7.10	<.100
16...	1405	11	3.0	4.0	<.10	<.010	<.010	--	--
16...	1410	11	2.9	3.3	.10	<.010	.010	--	--
AUG									
27...	1001	--	--	--	--	--	--	10.0	<.100
27...	1005	12	3.2	4.3	<.10	.030	.010	--	--
27...	1010	35	2.2	3.6	<.10	.230	.200	--	--

07341250 MILLWOOD LAKE AT HIGHWAY 332 BRIDGE NEAR SCHAAL, ARK.
(LAT 33 49 08 LONG 093 59 06)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	RESERVOIR DEPTH (FEET) (72025)	BAROMETRIC PRESSURE (MM OF HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANSPARENCY (SECCHI DISK) (M) (00078)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)
DEC, 1984										
26...	1205	80513	80513	.00	14.0	767	110	.50	--	--
26...	1206	80513	80010	3.00	14.0	767	--	--	--	--
26...	1210	80513	80010	7.00	14.0	767	--	--	46	7.0
MAY, 1985										
13...	1100	80513	80513	.00	15.0	762	27	.20	--	--
13...	1101	80513	80513	3.00	15.0	762	--	--	--	--
13...	1105	80513	80010	7.50	15.0	762	--	--	41	7.2
AUG										
29...	1300	80513	80513	.00	6.0	762	110	.70	--	--
29...	1305	80513	80010	3.00	6.0	762	--	--	73	7.0

DATE	TIME	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PERCENT SATURATION) (00301)	OXYGEN DEMAND, BIOCHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CACO3) (00900)	ALKALINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
DEC, 1984										
26...	1210	8.5	10	35	10.4	88	.6	18	13	5.9
MAY, 1985										
13...	1105	18.0	15	55	8.0	85	1.1	18	11	4.3
AUG										
29...	1305	27.0	7.5	25	4.1	52	1.8	16	20	3.5

DATE	TIME	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	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)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)
DEC, 1984									
26...	1210	3.5	.30	<.010	<.010	340	<1	10	5
MAY, 1985									
13...	1105	11	.40	.040	<.010	300	<1	<10	2
AUG									
29...	1305	7.5	<.10	.090	<.010	230	1	10	2

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

RED RIVER BASIN--CONTINUED

07341250 MILLWOOD LAKE AT HIGHWAY 332 BRIDGE NEAR SCHAAL, ARK.--CONTINUED

DATE	TIME	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)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984									
26...	1206	--	--	--	--	--	--	.800	<.100
26...	1210	1500	1	380	<.1	<1	10	--	--
MAY, 1985									
13...	1101	--	--	--	--	--	--	.400	<.100
13...	1105	1100	3	110	.2	2	40	--	--
AUG									
29...	1305	1400	3	310	<.1	3	80	16.0	8.10

07341280 MILLWOOD LAKE ON MINE CREEK NEAR OKAY, ARK.
(LAT 33 47 16 LONG 093 56 11)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)
DEC, 1984										
26...	1305	80513	80513	.00	10.0	768	91	1.20	--	--
26...	1306	80513	80010	3.00	10.0	768	--	--	--	--
26...	1310	80513	80010	5.00	10.0	768	--	--	130	7.4
MAY, 1985										
13...	1300	80513	80513	.00	12.0	763	7	.50	--	--
13...	1301	80513	80010	3.00	12.0	763	--	--	--	--
13...	1305	80513	80010	6.00	12.0	763	--	--	98	6.8
AUG										
29...	1200	80513	80513	.00	10.0	763	34	1.00	--	--
29...	1201	80513	80010	3.00	10.0	763	--	--	--	--
29...	1205	80513	80010	5.00	10.0	763	--	--	165	7.2

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
DEC, 1984										
26...	1310	8.0	15	30	9.4	79	1.1	46	37	14
MAY, 1985										
13...	1305	23.0	5.0	25	8.4	98	2.8	35	31	8.4
AUG										
29...	1205	27.0	1.5	15	3.2	40	2.9	46	51	3.3

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
DEC, 1984									
26...	1310	6.4	.70	.260	.130	220	<1	<10	2
MAY, 1985									
13...	1305	31	.30	.170	.120	320	1	<10	3
AUG									
29...	1205	13	<.10	.060	.020	100	2	10	2

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

RED RIVER BASIN--CONTINUED

07341280 MILLWOOD LAKE ON MINE CREEK NEAR OKAY, ARK.--CONTINUED

DATE	TIME	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)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984									
26...	1306	--	--	--	--	--	--	1.10	<.100
26...	1310	2000	2	60	<.1	<1	10	--	--
MAY, 1985									
13...	1301	--	--	--	--	--	--	10.0	<.100
13...	1305	1700	4	210	<.1	1	40	--	--
AUG									
29...	1201	--	--	--	--	--	--	6.10	4.20
29...	1205	970	3	240	<.1	4	60	--	--

07341295 MILLWOOD LAKE NEAR SARATOGA, ARK.
(LAT 33 44 20 LONG 093 57 09)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)
DEC, 1984										
26...	1440	80513	80513	.00	35.0	767	17	.40	--	--
26...	1441	80513	80010	3.00	35.0	767	--	--	--	--
26...	1445	80513	80010	7.00	35.0	767	--	--	43	7.2
26...	1450	80513	80010	28.0	35.0	767	--	--	42	7.1
MAY, 1985										
13...	1430	80513	80513	.00	37.0	763	0	.80	--	--
13...	1435	80513	80010	7.50	37.0	763	--	--	46	6.8
13...	1440	80513	80010	29.5	37.0	763	--	--	47	6.8
AUG										
29...	1100	80513	80513	.00	36.0	764	3	1.50	--	--
29...	1101	80513	80010	3.00	36.0	764	--	--	--	--
29...	1105	80513	80010	7.00	36.0	764	--	--	94	7.3
29...	1110	80513	80010	29.0	36.0	764	--	--	97	7.0

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
DEC, 1984										
26...	1445	10.0	15	40	10.0	88	.7	16	16	5.5
26...	1450	10.0	40	40	9.9	87	1.1	16	15	5.5
MAY, 1985										
13...	1435	22.0	6.5	30	7.8	89	1.4	16	13	5.0
13...	1440	22.0	8.3	40	7.8	89	1.6	16	13	4.8
AUG										
29...	1105	27.0	2.7	15	6.6	83	1.9	28	26	3.7
29...	1110	27.0	3.5	10	3.9	49	1.7	28	27	3.5

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
DEC, 1984									
26...	1445	3.1	.20	<.010	<.010	280	<1	10	2
26...	1450	3.1	.20	<.010	<.010	690	<1	<10	2
MAY, 1985									
13...	1435	13	<.10	.030	<.010	320	<1	<10	1
13...	1440	13	<.10	.030	<.010	360	<1	<10	1
AUG									
29...	1105	8.0	<.10	.030	<.010	70	2	10	2
29...	1110	8.5	<.10	.040	.030	60	2	10	2

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

RED RIVER BASIN--CONTINUED

07341295 MILLWOOD LAKE NEAR SARATOGA, ARK.--CONTINUED

DATE	TIME	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)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC, 1984									
26...	1441	--	--	--	--	--	--	1.00	<.100
26...	1445	1000	<1	30	.3	<10	10	--	--
26...	1450	4400	3	370	<.1	2	20	--	--
MAY, 1985									
13...	1435	720	4	50	<.1	1	20	--	--
13...	1440	760	6	50	.2	1	30	--	--
AUG									
29...	1101	--	--	--	--	--	--	7.80	<.100
29...	1105	200	2	150	<.1	4	140	--	--
29...	1110	360	2	420	<.1	2	50	--	--

07355850 BOARD CAMP CREEK NEAR SHADY, ARK.
(LAT 34 28 34 LONG 094 05 03)

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
AUG, 1985										
07...	1530	80513	80020	E1.5	730	44	7.2	28.0	7.4	99

DATE	TIME	HARD-NESS (MG/L AS CACO3) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CACO3) (00902)	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 FIELD (MG/L AS CACO3) (00410)
AUG, 1985										
07...	1530	17	0	4.2	1.6	2.1	20	.2	.90	21

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)
AUG, 1985										
07...	1530	3.8	2.2	.10	9.2	33	37	.04	<.10	120

DATE	TIME	ANTI-MONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	BERYL-LIUM, TOTAL RECOV-ERABY0 (UG/L AS BE) (01012)	BORON, DIS-SOLVED (UG/L AS B) (01020)	BORON, TOTAL RECOV-ERABLE (UG/L AS B) (01022)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
AUG, 1985									
07...	1530	<1	<1	<100	<10	<20	<20	<1	10

DATE	TIME	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOV-ERABLE (UG/L AS LI) (01132)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)
AUG, 1985									
07...	1530	5	9	18	250	4	<10	10	<.1

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

RED RIVER BASIN--CONTINUED

07355850 BOARD CAMP CREEK NEAR SHADY, ARK.--CONTINUED

DATE	TIME	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDIMENT, SUSPENDED (MG/L) (80154)
AUG, 1985 07...	1530	<1	5	<1	<1	70	300	1.0	6

07355980 SHIRLEY CREEK NEAR ODEN, ARK.
(LAT 34 36 10 LONG 093 49 49)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
APR, 1985 23...	1625	80513	80010	79	737	33	7.0	17.5	10.1	109

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	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)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
APR, 1985 23...	1625	11	1	3.3	.74	.90	14	.1	.50	4.7

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 DISSOLVED (MG/L AS N) (00631)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, TOTAL (UG/L AS SB) (01097)
APR, 1985 23...	1625	1.2	<.10	5.7	22	23	.03	<.10	230	<1

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, DISSOLVED (UG/L AS B) (01020)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)
APR, 1985 23...	1625	<1	<100	<10	<20	40	1	20	6

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERAZIE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)
APR, 1985 23...	1625	4	50	310	1	<10	20	<.1	32

DATE	TIME	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	SEDIMENT, SUSPENDED (MG/L) (80154)
APR, 1985 23...	1625	2	<1	<1	20	20	3.3	<.4	9

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

RED RIVER BASIN--CONTINUED

07356285 NORTH FORK CREEK NEAR MOUNT TABOR, ARK.
(LAT 34 41 20 LONG 093 20 28)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
AUG, 1985 09...	1345	80513	80010	5.6	750	33	7.2	32.5	6.8	96

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	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)
AUG, 1985 09...	1345	12	2	2.0	1.7	2.5	29	.3	1.1	10

DATE	TIME	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)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)
AUG, 1985 09...	1345	2.6	2.9	<.10	5.1	21	24	.03	<.10	100

DATE	TIME	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, DISSOLVED (UG/L AS B) (01020)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
AUG, 1985 09...	1345	<1	<1	<100	<10	<20	<20	2	<10

DATE	TIME	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)
AUG, 1985 09...	1345	<1	3	130	280	3	<10	<10	<.1

DATE	TIME	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDIMENT, SUSPENDED (MG/L) (80154)
AUG, 1985 09...	1345	<1	3	<1	<1	70	30	3.4	3

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

RED RIVER BASIN--CONTINUED

07359650 SOUTH FORK CADDO RIVER NEAR FANCY HILL, ARK.
(LAT 34 22 48 LONG 093 47 22)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
JUN, 1985 18...	1400	80513	80010	23	744	54	7.0	20.0	8.2	92

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	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)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
JUN, 1985 18...	1400	19	11	5.0	1.5	1.8	17	.2	.80	14

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 DISSOLVED (MG/L AS N) (00631)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, TOTAL (UG/L AS SB) (01097)
JUN, 1985 18...	1400	1.3	<.10	7.9	45	37	.06	.26	320	<1

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, DISSOLVED (UG/L AS B) (01020)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)
JUN, 1985 18...	1400	<1	<100	<10	<20	<20	1	10	<1

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)
JUN, 1985 18...	1400	6	76	510	<1	<10	100	<.1	2

DATE	TIME	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	SEDIMENT, SUSPENDED (MG/L) (80154)
JUN, 1985 18...	1400	6	<1	<1	10	120	2.2	<.4	11

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

RED RIVER BASIN--CONTINUED

07360187 LITTLE MISSOURI RIVER AT ALBERT, ARK.
(LAT 34 22 33 LONG 093 52 39)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)
JUN, 1985 18...	1230	80513	80010	108	743	33	7.2	20.0	8.0	90

DATE	TIME	HARDNESS (MG/L AS CACO3) (00900)	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)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
JUN, 1985 18...	1230	12	0	3.1	.99	1.5	21	.2	.60	3.0

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 DISSOLVED (MG/L AS N) (00631)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, TOTAL (UG/L AS SB) (01097)
JUN, 1985 18...	1230	1.4	<.10	7.2	29	24	.04	.11	280	<1

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)	BORON, DISSOLVED (UG/L AS B) (01020)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)
JUN, 1985 18...	1230	<1	<100	<10	<20	<20	<1	10	<1

DATE	TIME	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)
JUN, 1985 18...	1230	3	55	560	<1	<10	10	<.1	2

DATE	TIME	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	URANIUM NATURAL DISSOLVED (UG/L AS U) (22703)	SEDIMENT, SUSPENDED (MG/L) (80154)
JUN , 1985 18...	1230	1	<1	<1	80	30	1.2	<.4	12

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

RED RIVER BASIN--CONTINUED

07362587 ALUM FORK SALINE RIVER NEAR REFORM, ARK.
(LAT 34 47 50 LONG 092 56 00)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAMFLOW, INSTANTANEOUS (CFS) (00061)	BAROMETRIC PRESSURE (MM OF HG) (00025)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS (MG/L AS CACO3) (00900)
AUG, 1985 09...	0900	80513	80010	.74	750	33	6.6	25.5	6.1	76	11

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)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)
AUG, 1985 09...	0900	0	1.8	1.5	1.5	22	.2	.70	2.7	2.0	<.10

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, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ANTIMONY, TOTAL (UG/L AS SB) (01097)	ARSENIC TOTAL (UG/L AS AS) (01002)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA) (01007)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE) (01012)
AUG, 1985 09...	0900	4.3	24	21	.03	<.10	180	<1	<1	<100	<10

DATE	TIME	BORON, DISSOLVED (UG/L AS B) (01020)	BORON, TOTAL RECOVERABLE (UG/L AS B) (01022)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	IRON, DISSOLVED (UG/L AS FE) (01046)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI) (01132)
AUG, 1985 09...	0900	<20	<20	1	10	<1	5	310	500	4	<10

DATE	TIME	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR) (01082)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDIMENT, SUSPENDED (MG/L) (80154)
AUG, 1985 09...	0900	30	<.1	<1	5	<1	<1	60	60	2.9	4

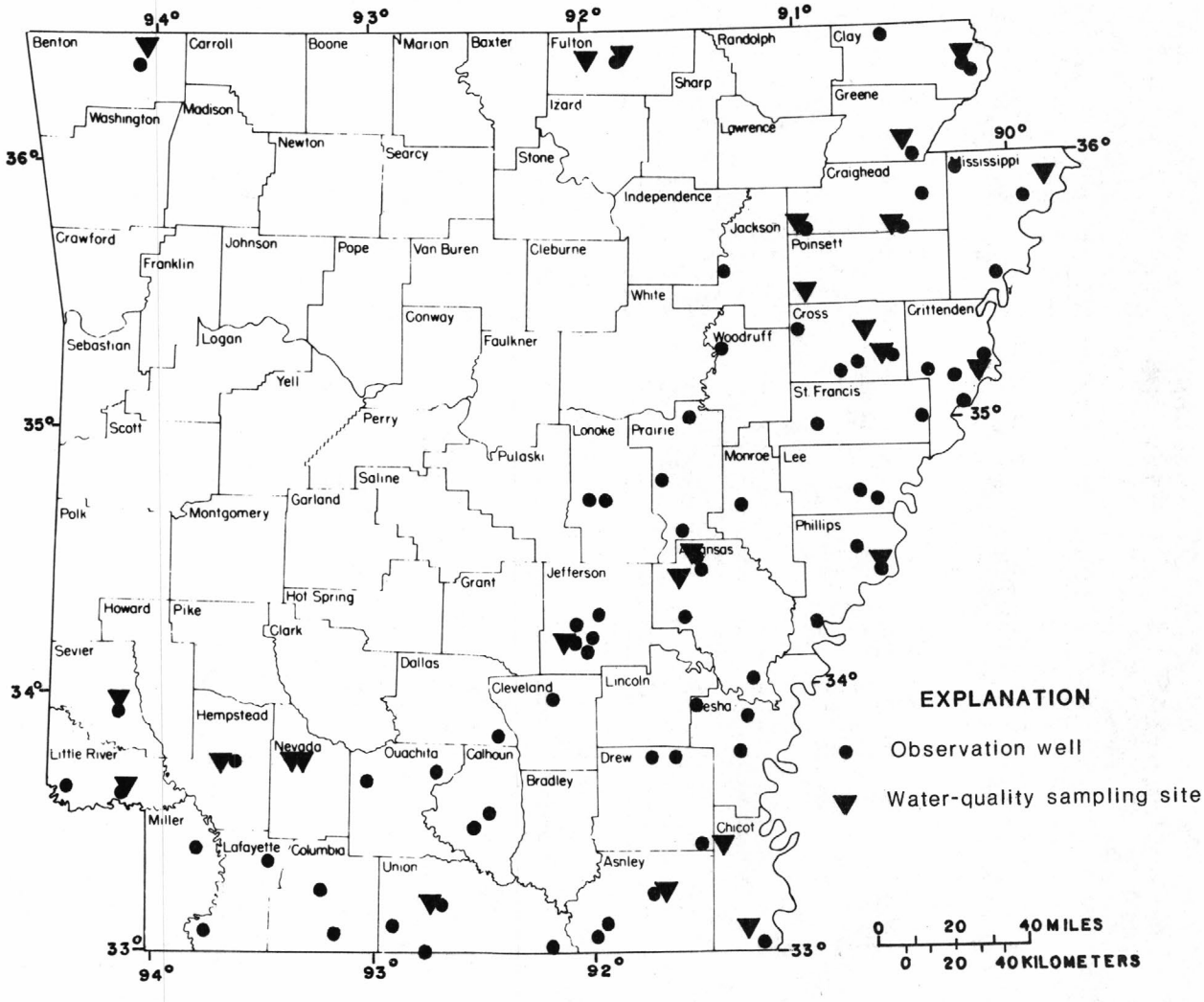


Figure 6.--Locations of observation wells in Arkansas.

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.--Apr. 11, 1985, 41.85 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, 49.45 ft below land surface, Apr. 2, 1985; lowest, 56.09 ft below land surface, Sept. 16, 1964.
MEASUREMENT FOR CURRENT YEAR.--Apr. 2, 1985, 49.45 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.--Apr. 4, 1985, 151.68 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, August 1979, and June 1983 are available in files of district office.

342924091315301. Local number, 02S05W34BDA1.
LOCATION.--Lat 34°29'24", long 91°31'53", Hydrologic Unit 08020402, near Stuttgart.
Owner: Alfred Heien.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 28 in, 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 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	198.99	177.28	168.57				150.92	148.80	166.77	198.74	211.24	211.25
10	192.74	175.41	---				150.33	149.20	177.72	191.32	211.23	211.25
15	188.22	173.80	---				149.73	149.57	187.17	199.22	211.24	211.25
20	184.83	172.47	---				149.70	156.39	187.81	199.30	211.24	211.25
25	182.14	170.83	---				149.27	163.90	188.07	200.00	208.62	210.14
EOM	179.28	169.66	---				148.90	163.25	191.65	206.46	211.25	202.40

WTR YR 1985 MAX 148.74 MAY 4, 1985 MIN 211.65 AUG. 23, 1985

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, August 1979, and June 1983 are available in files of district office.

330624091552801. Local number, 18S08W28DDD2.
LOCATION.--Lat 33°06'24", long 91°55'28", Hydrologic Unit 08040205, near Crossett.
Owner: Georgia-Pacific Paper Co.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in, 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, 86.60 ft below land surface, Mar. 28, 1984; lowest, 93.28 ft below land surface, Aug. 22, 1963.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	87.56	87.74	87.61	87.72	87.35	87.73	87.03	87.61	87.63	87.49	87.59	87.63
10	87.66	87.50	87.54	87.59	87.42	87.51	87.61	87.57	87.60	87.50	87.61	87.57
15	87.37	87.65	87.65	87.70	87.61	87.58	87.21	87.74	87.51	87.61	87.51	87.68
20	87.54	87.95	87.49	87.94	87.55	87.23	87.48	87.59	87.64	87.62	87.64	87.55
25	87.86	87.46	87.96	87.56	87.57	87.57	87.42	87.60	87.58	87.65	87.60	87.47
EOM	87.76	87.39	87.39	87.37	87.66	87.37	87.50	87.55	87.67	87.61	87.48	87.61

WTR YR 1985 MAX 87.00 MAR. 21, 1985 MIN 88.09 JAN. 12, 1985

331015091522401. Local number, 18S08W01AAB1.
LOCATION.--Lat 33°10'15", long 91°52'24", Hydrologic Unit 08040205, near Crossett.
Owner: Earl Daugherty and Sons.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled artesian well, diameter 16 in, depth 128 ft, cased 0-108 ft.
DATUM.--Land surface, 181 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in pipe, 0.75 ft above land surface.
PERIOD OF RECORD.--May 1984.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 78.63 ft below land surface, May 15, 1984; lowest, 78.63 ft below land surface, May 15, 1984.
MEASUREMENT FOR CURRENT YEAR.--Apr. 11, 1985, 82.65 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, August 1979, and June 1983 are available in files of district office.

331729091424001. Local number, 16S06W27BAB1.
LOCATION.--Lat 33°17'29", long 91°42'40", Hydrologic Unit 08040205, near Mist.
Owner: E. T. Muller.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in, 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, 81.82 ft below land surface, Mar. 24, 1984.
MEASUREMENT FOR CURRENT YEAR.--Apr. 10, 1985, 77.58 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. 9, 1985, 133.71 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 May 1978.
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. 22, 1985, 156.70 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, 32.16 ft below land surface, June 5, 1979; lowest, 36.04 ft below land surface, Nov. 16-18, 1984.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	35.69	34.54	34.35	34.22	34.05	34.03	33.88	34.10	34.85	35.38	35.72	36.01
10	35.24	34.49	34.28	34.22	34.08	34.06	33.97	34.15	34.97	35.49	35.76	36.00
15	35.14	34.53	34.24	34.25	34.04	34.06	34.00	34.30	35.09	35.56	35.83	35.99
20	34.95	34.52	34.22	34.19	34.06	34.00	34.09	34.42	35.10	35.62	35.83	36.05
25	34.74	34.51	34.24	34.17	34.01	33.95	34.01	34.53	35.19	35.54	35.87	36.13
EOM	34.66	34.32	34.22	34.08	34.04	33.88	34.03	34.70	35.33	35.63	35.96	36.12

WTR YR 1985 MAX 33.88 MAR. 31, APR. 1, 4-5, 1985 MIN 36.15 SEP. 27-28, 1985

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.--Apr. 10, 1985, 7.48 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, May 1979, and June 1983 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.--Apr. 10, 1985, 43.27 ft below land surface.

332613091255101. Local number, 14S03W32DCB1.
LOCATION.--Lat 33°26'13", long 91°25'51", Hydrologic Unit 08050001, near Jerome.
Owner: James Roy Baugh.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16-10 in, 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, 24.08 ft below land surface, Mar. 29, 1984; lowest, 24.58 ft below land surface, Mar. 23, 1983.
MEASUREMENT FOR CURRENT YEAR.--Apr. 9, 1985, 23.42 ft below land surface.

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. Not measured 1985.
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. 27, 1984, 17.90 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 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.--Apr. 3, 1985, +0.20 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.--Apr. 3, 1985, 11.55 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.--Apr. 11, 1985, 193.10 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. 18, 1985, 251.57 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. 17, 1985, 325.47 ft below land surface.

CRAIGHEAD COUNTY

354246090503801. Local number, 13N02E35DAA1.
LOCATION.--Lat 35°42'46", long 90°50'38", Hydrologic Unit 08020302, near Otwell.
Owner: A. B. Clark.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused irrigation water-table well, diameter 12 in, 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 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	81.68	81.51	81.26	81.20	80.65	80.63	80.41	80.57	80.59	80.62	81.67	81.83
10	81.67	81.29	81.15	81.06	80.70	80.60	80.62	80.52	80.60	80.62	81.99	81.82
15	81.56	81.38	81.37	81.14	80.92	80.62	80.38	80.61	80.62	80.62	82.31	81.81
20	81.46	81.72	81.14	81.32	80.87	80.61	80.57	80.53	80.62	80.62	82.09	81.75
25	81.63	81.07	81.68	81.02	80.64	80.62	80.57	80.51	80.62	81.47	81.97	81.66
EOM	81.53	81.10	80.89	80.87	80.63	80.59	80.52	80.49	80.62	81.91	81.82	81.78

WTR YR 1985 MAX 80.00 FEB. 5, 1985 MIN 82.38 AUG. 15, 1985

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.--Apr. 4, 1985, 3.72 ft below land surface.

354635090365601. Local number, 13N04E12ABB1.
LOCATION.--Lat 35°46'35", long 90°36'56", Hydrologic Unit 08020203, near Bay.
Owner: Wilburn Morrison.
AQUIFER.--Sand and gravel or Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 10 in, depth 110 ft, cased 0-70 ft, screened 70-110 ft.
DATRUM.--Land surface, 231 ft National Geodetic Vertical Datum of 1929. Measuring point: Cut-out in North side of casing, 1.50 ft above land sand surface.
REMARKS.--Water-quality records for August 1984. This well replaced 13N05E21BDD1 for a master well.
PERIOD OF RECORD.--August 1984.
EXTREMES FOR PERIOD OF RECORD.--Highest waer level measured, 14.73 ft below land surface, Apr. 1, 1985; lowest, 19.30 ft below land surface, Aug. 7, 1984.
MEASUREMENT FOR CURRENT YEAR.--Apr. 1, 1985, 14.73 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.--Apr. 4, 1985, 8.65 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, 26.22 ft below land surface, Oct. 15, 1983.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.83	23.36	22.60	21.19	22.54	19.88	19.39	20.02	21.05	22.29	24.45	25.61
10	24.70	22.85	22.97	20.97	21.91	19.36	19.10	19.74	20.89	22.52	24.64	25.81
15	24.65	23.27	23.38	21.51	22.02	19.24	18.95	20.40	20.82	22.87	24.99	26.30
20	24.62	23.27	22.68	22.29	21.94	19.42	19.73	20.50	21.26	23.31	25.19	26.49
25	23.94	22.84	22.16	22.50	21.81	19.67	19.95	20.45	21.47	23.76	24.98	26.54
EOM	23.81	23.00	21.63	22.64	20.87	20.34	20.15	20.70	21.94	24.29	25.28	26.58

WTR YR 1985 MAX 18.93 APR. 14, 1985 MIN 26.66 SEPT. 28, 1985

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, 20.64 ft below land surface, Oct. 15, 31, 1983.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.08	19.83	19.37	18.90	18.26	18.35	17.06	16.83	17.11	17.83	19.24	20.27
10	20.01	19.63	19.25	18.74	18.33	18.14	17.23	16.85	17.21	18.01	19.43	20.37
15	19.89	19.67	19.25	18.65	18.46	17.94	16.97	16.87	17.32	18.29	19.64	20.58
20	19.89	19.68	19.07	18.59	18.45	17.66	16.98	16.87	17.47	18.56	19.83	20.63
25	19.96	19.46	19.27	18.41	18.39	17.51	16.78	16.90	17.58	18.72	19.95	20.63
EOM	19.93	19.35	18.94	18.33	18.42	17.20	16.78	16.94	17.70	19.00	20.13	20.73

WTR YR 1985 MAX 16.70 MAY 1, 1985 MIN 20.76 SEPT. 28, 1985

350906090104201. Local number, 06N09E07CAC1.
LOCATION.--Lat 35°09'06", long 90°10'42", Hydrologic Unit 08020203, at West Memphis (city well No. 5).
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, 57.42 ft below land surface, Mar. 21, 1984; lowest, 64.95 ft below land surface, Mar. 27, 1985.
MEASUREMENTS FOR CURRENT YEAR.--Mar. 27, 1985, 64.95 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. 27, 1985, 19.58 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.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	34.27	32.03	31.18	28.68	---	27.51	27.42	28.90	30.33	32.14	---	35.82
10	34.10	31.64	31.88	28.87	31.24	26.71	27.05	28.71	30.19	32.30	---	36.00
15	34.11	32.09	32.37	29.95	31.25	26.72	27.28	29.50	30.17	32.63	---	36.48
20	34.03	32.25	31.33	31.21	31.22	27.21	28.52	29.28	30.95	33.37	---	36.56
25	32.81	31.41	30.41	31.72	30.66	27.91	28.85	29.33	31.04	34.10	---	36.44
EOM	32.95	31.77	29.74	31.34	29.15	28.95	29.12	29.66	31.62	34.60	35.44	36.44

WTR YR 1985 MAX 26.51 MAR. 11, 13, 1985 MIN 36.56 SEPT. 19, 20, 1985

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, 14.45 ft below land surface, Mar. 29, 1985; lowest, 30.66 ft below land surface, Mar. 17, 1983.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1985, 14.45 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. 29, 1985, 250.95 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, 85.76 ft below land surface, Mar. 29, 1985.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1985, 85.76 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. 29, 1985, 39.45 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, 59.60 ft below land surface, Mar. 29, 1985.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1985, 59.60 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, 141.08 ft below land surface, Mar. 31, 1984.
MEASUREMENT FOR CURRENT YEAR.--Apr. 4, 1985, 138.65 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, 55.58 ft below land surface, Apr. 8, 1985.
MEASUREMENT FOR CURRENT YEAR.--Apr. 8, 1985, 55.58 ft below land surface.

335258091152301. Local number, 09S02W26DDC1.
LOCATION.--Lat 33°52'58", long 91°15'23", Hydrologic Unit 08050002, near Watson.
Owner: Ed 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 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.97	15.39	14.12			---	10.59	10.73	13.93	18.10	21.33	20.38
10	18.76	15.30	14.00			---	10.62	10.81	14.65	18.62	21.28	20.24
15	17.80	15.28	---			11.39	10.61	10.98	15.46	19.21	20.88	20.10
20	17.39	15.01	---			11.42	10.63	11.65	16.08	19.78	20.79	19.96
25	16.01	14.69	---			11.32	10.64	12.69	16.94	20.20	20.67	19.80
EOM	15.57	14.25	---			10.87	10.68	13.42	17.58	20.90	20.53	19.66

WTR YR 1985 MAX 10.56 APR. 6, 1985 MIN 21.42 AUG. 12, 1985

335810091325301. Local number, 09S04W06BBC1.
OCATION.--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, 26.88 ft below land surface, Mar. 26, 1984.
MEASUREMENT FOR CURRENT YEAR.--Apr. 8, 1985, 19.25 ft below land surface.

DREW COUNTY

332418091272601. Local number, 15S04W12DDA1.
LOCATION.--Lat 33°24'18", long 91°27'26", Hydrologic Unit 08050001, near Jerome.
Owner: Ernest Ellington and Son.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS--Drilled unused artesian well, diameter 18-8 in, 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, 51.96 ft below land surface, Apr. 16, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1985, 51.47 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. 28, 1985, 33.42 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, 131.77 ft below land surface, Apr. 17, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1985, 130.62 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, 1.74 ft below land surface, Apr. 2, 1985; lowest, 50.73 ft below land surface, Nov. 21, 1974.
MEASUREMENT FOR CURRENT YEAR.--Apr. 2, 1985, 1.74 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, 111.08 ft below land surface, Mar. 21, 1984.
MEASUREMENT FOR CURRENT YEAR.--Apr. 2, 1985, 94.30 ft below land surface.

GREENE COUNTY

360322090290401. Local number, 17N06E31DCB1.
LOCATION.--Lat 36°03'22", long 90°29'04", Hydrologic Unit 08020203, at Paragould (city well No. 1).
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, June 1981, and July 1984 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.--Apr. 3, 1985, 96.10 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.--Apr. 4, 1985, 35.49 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, 196.10 ft below land surface, Mar. 29, 1985.
MEASUREMENT FOR CURRENT YEAR.--Mar. 29, 1985, 196.10 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. 29, 1985, 194.94 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, 7.59 ft below land surface, Apr. 4, 1985; lowest, 28.25 ft below land surface, Sept. 21, 1959.
MEASUREMENT FOR CURRENT YEAR.--Apr. 4, 1985, 7.59 ft below land surface.

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.--Apr. 15, 1985, 10.82 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, 246.65 ft below land surface, Apr. 25, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Oct. 31	226.10	Jan. 23	229.00	Mar. 23	224.80	June 26	220.30	Aug. 28	220.25
Nov. 21	227.90	Feb. 20	229.20	Apr. 25	222.85	July 24	214.55	Sept. 26	222.10
Dec. 20	228.90			May 21	222.50				

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.--Apr. 12, 1985, 252.90 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, August 1979, and June 1983 are available in files of district office.

341427091565201. Local number, 05S09W35AAB1.
LOCATION.--Lat 34°14'27", long 91°56'52", Hydrologic Unit 11110207, at St. Louis and Southwestern Railroad yard near Pine Bluff (company observation well No. 5).
Owner: International Paper Company.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in, 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.--Apr. 15, 1985, 242.25 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, 42.55 ft below land surface, Mar. 26, 1984.
MEASUREMENT FOR CURRENT YEAR.--May 16, 1985, 35.10 ft below land surface.

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. 19, 1985, 13.93 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. 18, 1985, 67.79 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, 29.52 ft below land surface, Apr. 9, 1985.
MEASUREMENT FOR CURRENT YEAR.--Apr. 9, 1985, 29.52 ft below land surface.

344341090460001. Local number, 01N03E02BBC1.
LOCATION.--Lat 34°43'41", long 90°46'00", Hydrologic Unit 08020304, near Marianna.
Owner: University of Arkansas, Cotton Branch Experiment Station.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 24-12 in, 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.--Apr. 9, 1985, 34.32 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. 28, 1985, 23.91 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, 1.84 ft below land surface, Mar. 28, 1984; lowest, 5.47 ft below land surface, Mar. 24, 1981.
MEASUREMENT FOR CURRENT YEAR.--Mar. 28, 1985, 1.90 ft below land surface.

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 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	112.62	111.02	111.05	110.61	109.87	109.95	109.89	110.99	112.09	112.52	113.27	114.07
10	112.19	110.67	110.77	110.41	109.82	110.16	110.96	110.67	112.74	113.13	113.87	113.81
15	111.46	110.75	110.90	110.45	110.00	109.91	110.81	110.44	112.70	113.85	115.63	113.63
20	111.44	111.36	110.75	110.67	109.90	109.53	111.37	110.37	112.38	113.52	115.15	114.25
25	111.54	110.92	111.19	110.15	109.88	109.75	111.15	110.27	112.00	113.53	114.58	115.63
EOM	111.23	110.79	110.37	110.02	109.94	110.43	111.21	110.45	112.25	113.43	114.02	114.75

WTR YR 1985 MAX 109.27 MAR. 21, 1985 MIN 115.63 AUG. 15, 1985

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.--June 13, 1985, 101.98 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. 18, 1985, 8.63 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.--Apr. 1, 1985, 9.74 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.--Apr. 2, 1985, 10.58 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.--Apr. 2, 1985, 8.32 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.

MONROE COUNTY

344135091165101. Local number, 01N03W24BBB1.
LOCATION.--Lat 34°41'35", long 91°16'51", Hydrologic Unit 08020303, near Clarendon.
Owner: B. B. Bateman.
AQUIFER.--Sand and gravel of Quaternary age.
WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 14-6 in, 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.--Apr. 8, 1985, 18.74 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, and June 1983 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.--Apr. 2, 1985, 155.24 ft below land surface.

334759093231301. Local number, 11S22W08DAC2.
LOCATION.--Lat 33°47'59", long 93°23'13", Hydrologic Unit 08040103, at Prescott (city well No. 4).
Owner: City of Prescott.
AQUIFER.--Nacatoch Sand of Cretaceous age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-12 in, 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.--Apr. 2, 1985, 127.62 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.--Apr. 8, 1985, 45.97 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.--Apr. 8, 1985, 25.83 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.--Apr. 2, 1985, 13.67 ft below land surface.

342910090363401. Local number, 02S05E29CBC1.
LOCATION.--Lat 34°29'30", long 90°36'34", Hydrologic Unit 08020303, near Helena.
Owner: Arcadian Corporation, formerly Allied Chemical Co.
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: Arcadian Corporation, formerly Allied Chemical Co.
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.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	36.26	33.09	30.16	28.78		---	28.35	32.63	37.02	29.15	27.85	28.45
10	33.14	33.07	30.41	29.42		---	29.24	33.83	36.72	28.97	27.89	28.77
15	34.62	31.88	31.18	29.60		---	32.35	35.32	36.43	27.85	28.56	29.46
20	33.18	32.48	31.14	30.09		---	33.23	35.03	35.61	27.91	28.09	29.60
25	35.34	30.87	29.73	33.35		27.34	34.36	34.73	36.66	28.57	28.00	30.11
EOM	33.89	30.70	29.96	---		28.66	33.72	33.14	28.99	27.78	28.37	29.55

WTR YR 1985 MAX 27.20 MAR. 26, 1985 MIN 37.02 JUNE 5, 1985

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 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.98	12.44	10.42	10.08	9.24	9.22	9.14	8.06	11.59	14.41	15.62	16.37
10	15.13	12.10	10.24	9.69	9.20	9.41	9.90	7.80	11.93	14.68	15.71	16.37
15	14.78	11.81	10.72	9.79	8.27	10.09	10.38	8.79	12.82	14.94	15.86	16.26
20	14.29	11.30	10.75	9.97	8.75	10.47	10.91	9.34	13.43	15.17	15.97	16.17
25	13.42	10.89	11.06	10.19	8.05	10.19	8.45	10.10	13.80	15.39	16.10	16.11
EOM	12.91	10.42	10.63	9.24	8.30	10.04	7.37	11.08	14.18	15.44	16.24	16.10

WTR YR 1985 MAX 7.37 APR. 30, 1985 MIN 16.43 SEPT. 7, 1985

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, 71.13 ft below land surface, Mar. 28, 1985.
MEASUREMEMT FOR CURRENT YEAR.--Mar. 28, 1985, 71.13 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 138.04 ft below land surface, Apr. 2, 1985.
MEASUREMENT FOR CURRENT YEAR.--Apr. 2, 1985, 138.04 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.--Apr. 3, 1985, 103.94 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, 63.60 ft below land surface, Mar. 23, 1984.
MEASUREMENT FOR CURRENT YEAR.--Apr. 3, 1985, 63.00 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, 32.01 ft below land surface, Mar. 20, 1984.
MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1985, 31.90 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. 26, 1985, 22.07 ft below land surface.

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. 28, 1985, 70.77 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.

UNION COUNTY

330107092432301. Local number, 19S16W35DDC1.
LOCATION.-Lat 33°01'07", long 92°43'23", Hydrologic Unit 08040206, at Junction City.
Owner: Junction City.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10-8 in, 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. 10, 1985, 211.68 ft below land surface.

330228092111201. Local number,19S11W25AAA1.
LOCATION.--Lat 33°02'28", long 92°11'12", Hydrologic Unit 08040202, at Huttig (city well No. 2).
Owner: City of Huttig.
AQUIFER.--Sparta Sand of Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10-6 in, depth 529 ft, cased 0-469 ft, screened 469-529 ft.
DATUM.--Land surface, 135 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump base, 1.50 ft above land surface.
PERIOD OF RECORD.--December 1964 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 108.63 ft below land surface, Mar. 12, 1965; lowest, 138.39 ft below land surface, Apr. 10, 1985.
MEASUREMENTS FOR CURRENT YEAR.--Apr. 10, 1985, 138.39 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. 10, 1985, 354.91 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 1984 TO SEPTEMBER 1985
MEAN VALUE

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	331.92	329.18	327.37	325.70	330.09	329.22	327.76	328.51	335.40	339.93	340.52	340.51
10	330.36	328.87	327.05	326.12	331.08	329.27	328.04	330.05	337.76	340.51	340.43	339.48
15	329.90	328.04	327.09	326.78	330.43	328.71	327.13	330.83	338.29	340.53	340.52	338.56
20	330.12	327.53	326.18	326.89	329.51	328.54	328.55	332.13	338.40	340.52	339.83	338.26
25	329.67	327.45	326.08	328.84	329.51	327.90	327.98	331.67	339.07	339.10	340.51	337.56
EOM	329.60	327.33	325.60	328.90	329.46	327.39	327.91	332.57	340.54	339.47	340.51	336.02

331438092411901--Continued

WTR YR 1985 MAX 325.30 JAN. 3, 1985 MIN 340.54 JUNE 29, 30-JUL. 1, 2, 1985

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, 343.07 ft below land surface, Sept. 30, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR 1984 TO SEPTEMBER 1985
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	343.00	342.41	342.02	341.70	341.75	342.32	342.14	342.37	342.73	343.60	344.56	345.02
10	342.78	342.30	341.88	341.68	341.88	342.29	342.38	342.40	342.86	343.78	344.72	345.14
15	342.53	342.33	341.74	341.75	342.04	342.33	342.24	342.48	343.00	343.99	344.80	345.35
20	342.50	342.40	341.60	341.82	342.12	342.16	342.38	342.47	343.17	344.12	344.84	345.38
25	342.50	342.17	341.77	341.75	342.16	342.29	342.29	342.52	343.35	344.16	344.94	345.36
EOM	342.45	341.98	341.56	341.70	342.25	342.22	342.30	342.55	343.54	344.40	345.02	345.46

WTR YR 1985 MAX 341.54 DEC. 21, 1984 MIN 345,53 SEPT. 28, 1985

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.--Apr. 3, 1985, 18.25 ft below land surface.

GARLAND COUNTY

STATION NUMBER	LOCAL NUMBER	GEOLOGIC UNIT	DEPTH OF WELL (FEET)
343155093220401	02S22W28CBC1	367BLKL	SP

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
AUG, 1985 06...	1700	80513	80020	236	7.2	23.0	.70	130	18	41

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 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)
AUG, 1985 06...	1700	7.0	1.9	3	.0	1.8	114	3.8	2.3	.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)	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)	BORON, DISSOLVED (UG/L AS B) (01020)
AUG, 1985 06...	1700	14	162	140	.22	20	<1	27	1.7	<20

DATE	TIME	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)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
AUG, 1985 06...	1700	<1	<1	<3	2	10	<1	11	<1

DATE	TIME	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)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
AUG, 1985 06...	1700	<.1	<10	3	<1	<1	82	56	.60

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsylvanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

SP - Spring.

GARLAND COUNTY

STATION NUMBER	LOCAL NUMBER	GEOLOGIC UNIT	DEPTH OF WELL (FEET)
343234093211001	02S22W21DD1	367WMBL	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
AUG, 1985 06...	1530	80513	80020	303	7.0	20.5	8.0	120	0	35

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)	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)
AUG, 1985 06...	1530	6.9	6.0	10	.3	1.3	20	3.2	.40	20

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)	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)	BORON, DISSOLVED (UG/L AS B) (01020)
AUG, 1985 06...	1530	180	180	.24	10	<1	12	<.5	<20

DATE	TIME	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)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
AUG, 1985 06...	1530	2	<1	<3	3	1300	1	6	180

DATE	TIME	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)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
AUG, 1985 06...	1530	.1	<10	12	<1	<1	130	15000	3.7

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsylvanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

HOT SPRING COUNTY

STATION NUMBER	LOCAL NUMBER	GEOLOGIC UNIT	DEPTH OF WELL (FEET)
342239093082801	04S20W21AAA1	330ARKS	141

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	BAROMETRIC PRESSURE (MM OF HG) (00025)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
AUG, 1985 06...	1100	80513	80020	222	7.4	23.0	1.1	747	83	0

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)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
AUG, 1985 06...	1100	23	6.0	13	26	.6	.40	109	3.0	.90

DATE	TIME	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)	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)
AUG, 1985 06...	1100	.10	25	136	140	.19	20	<1	24	<.5

DATE	TIME	BORON, DISSOLVED (UG/L AS B) (01020)	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)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
AUG, 1985 06...	1100	20	<1	<1	<3	4	29	<1	15	63

DATE	TIME	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)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
AUG, 1985 06...	1100	<.1	<10	4	<1	<1	310	120	3.1

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsylvanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

MONTGOMERY COUNTY

STATION NUMBER	LOCAL NUMBER	GEOLOGIC UNIT	DEPTH OF WELL (FEET)
342358093370801	04S25W13AAD2	110ALVM	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
AUG, 1985 06...	1400	80513	80020	122	7.6	20.0	.60	48	5	17

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 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)
AUG, 1985 06...	1400	1.2	3.3	12	.2	2.3	43	3.7	1.9	.10

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)	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)	BORON, DISSOLVED (UG/L AS B) (01020)
AUG, 1985 06...	1400	8.1	67	64	.09	20	<1	33	1.2	<20

DATE	TIME	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)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
AUG, 1985 06...	1400	<1	3	<3	5	11	<1	<4	1

DATE	TIME	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)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
AUG, 1985 06...	1400	<.1	<10	5	<1	<1	110	16	1.7

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsylvanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

POLK COUNTY

STATION NUMBER	LOCAL NUMBER	GEOLOGIC UNIT	DEPTH OF WELL (FEET)
342659094071901	03S29W32BBA1	350MSRM	160

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	BAROMETRIC PRESSURE (MM OF HG) (00025)	HARDNESS (MG/L AS CACO3) (00900)	HARDNESS, NONCARBONATE (MG/L CACO3) (00902)
AUG, 1985 07...	1700	80513	80020	218	6.9	21.5	1.0	730	71	0

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)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)
AUG, 1985 07...	1700	23	3.3	20	38	1	.70	95	13	4.2

DATE	TIME	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)	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)
AUG, 1985 07...	1700	<.10	19	135	140	.18	10	<1	7	.6

DATE	TIME	BORON, DISSOLVED (UG/L AS B) (01020)	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)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
AUG, 1985 07...	1700	80	<1	1	<3	8	20	<1	16	34

DATE	TIME	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)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
AUG, 1985 07...	1700	<.1	<10	2	<1	<1	100	760	2.0

Geologic Unit:

110ALVM - Alluvium, Quaternary age.
326ATOK - Atoka Formation, Pennsylvanian age.
328JKFK - Jackfork Sandstone, Pennsylvanian age.
330ARKS - Arkansas Novaculite, Mississippian age.
330STNL - Stanley Shale, Mississippian age.
350MSRM - Missouri Mountain Slate, Silurian age.
361PKCK - Polk Creek Shale, Upper Ordovician age.
367BLKL - Blakely Sandstone, Lower Ordovician age.
367WMBL - Womble Shale, Lower Ordovician age.

341045093055400 NATIONAL TRENDS NETWORK SITE NEAR CADDO VALLEY, ARK.

LOCATION.--Lat 34°10'45", long 93°05'54", in NW 1/4 NW 1/4, sec.36, T.6 S., R.20 W., Clark County, Hydrologic Unit 08040102, approximately 1.6 mi west of Caddo Valley.

PERIOD OF RECORD.--January 1984 to July 1985.

INSTRUMENTATION.--An automatic wet-dry precipitation collector is used to collect 7-day accumulations. The collector is equipped with a precipitation sensor which activates a motor to operate the sample bucket cover. The sample bucket remains uncovered for the duration of each precipitation event and covered during dry periods. Dryfall samples are not collected. A standard 8.0-inch recording rain gage is used to obtain on-site precipitation records.

REMARKS.--These data are part of the data for this site verified by the National Atmospheric Deposition Program/ National Trends Network (NADP/NTN) Coordinator. Additional data, including collection efficiencies, are available from the NADP/NTN Coordinator, Natural Resource Ecology Laboratory, Fort Collins, Co. 80523. Data for all sites in the network are published quarterly by the NADP/NTN Coordinator's Office. Laboratory analyses were performed by the Central Analytical Laboratory of the Illinois State Water Survey. Additional data for the 1985 water year will be published in "Water Resources Data for Arkansas, Water Year 1986."

PRECIPITATION QUALITY, MAY 1984 TO JULY 1985

DATE	TIME	COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	AGENCY PRECIPITATION TOTAL INCHES/ WEEK (00046)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	CALCIUM DISSOLVED (MG/L AS CA) (00915)
MAY 29-JUN 05	0925-0900	1028	17003	0.00	--	--	--	--	--
JUN 05-12	0900-0920	1028	17003	0.19	5.2	5.6	10	10	0.37
JUN 12-19	0920-0900	1028	17003	0.00	--	--	--	--	--
JUN 19-26	0900-0955	1028	17003	0.92	4.2	4.2	29	29	0.11
JUN 26-JUL 03	0955-0907	1028	17003	0.83	4.1	4.1	47	46	0.50
JUL 03-10	0907-0907	1028	17003	1.76	4.8	5.0	10	9	0.14
JUL 10-17	0907-0950	1028	17003	3.36	4.7	4.7	13	12	0.19
JUL 17-24	0950-0915	1028	17003	0.25	3.4	3.5	141	137	0.57
JUL 24-31	0915-0935	1028	17003	3.17	4.4	4.4	19	20	0.07
JUL 31-AUG 07	0935-0915	1028	17003	1.73	4.3	4.3	25	24	0.09
AUG 07-14	0915-0900	1028	17003	0.87	4.3	4.4	27	26	0.28
AUG 14-21	0900-0910	1028	17003	1.22	3.9	3.8	64	65	0.25
AUG 21-28	0910-1245	1028	17003	1.93	4.7	4.8	10	10	0.09
AUG 28-SEP 04	1245-0905	1028	17003	1.57	4.7	4.7	13	13	0.21
SEP 04-11	0905-0920	1028	17003	1.43	4.9	5.0	7	7	0.08
SEP 11-18	0920-0920	1028	17003	1.48	4.6	4.6	15	16	0.22
SEP 18-25	0920-0920	1028	17003	0.93	4.7	4.8	11	11	0.07
SEP 25-OCT 02	0920-0925	1028	17003	0.06	--	--	--	--	--
OCT 02-09	0925-0910	1028	17003	1.48	4.6	4.6	13	14	0.05
OCT 09-16	0910-1115	1028	17003	4.87	4.9	4.9	7	7	0.01
OCT 16-23	1115-1115	1028	17003	3.16	4.8	4.9	8	9	0.06
OCT 23-30	1115-0920	1028	17003	0.24	4.1	4.3	38	37	0.20
OCT 30-NOV 06	0920-1023	1028	17003	0.65	--	5.1	6	6	0.06
NOV 06-13	1023-0900	1028	17003	0.23	4.9	5.3	16	15	0.55
NOV 13-20	0900-1104	1028	17003	1.48	4.5	4.6	17	16	0.20
NOV 20-27	1104-0930	1028	17003	2.10	4.7	4.9	11	10	0.08
NOV 27-DEC 04	0930-0905	1028	17003	0.04	--	6.4	--	15	0.58
DEC 04-11	0905-0905	1028	17003	1.00	4.5	4.6	14	14	0.06
DEC 11-18	0905-0910	1028	17003	3.21	4.7	4.9	11	11	0.07
DEC 18-26	0910-0855	1028	17003	0.76	4.2	4.3	38	36	0.13
DEC 26 1984-JAN 02 1985	0855-0905	1028	17003	1.31	4.8	5.1	7	7	0.04

341045093055400 NATIONAL TRENDS NETWORK SITE NEAR CADDO VALLEY, ARK.--CONTINUED

PRECIPITATION QUALITY, MAY 1984 TO JULY 1985

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P) (00671)
MAY 29-JUN 05	--	--	--	--	--	--	--	--
JUN 05-12	0.20	0.09	0.57	0.15	0.91	0.44	1.6	<0.001
JUN 12-19	--	--	--	--	--	--	--	--
JUN 19-26	0.04	0.02	0.13	0.15	2.0	0.23	2.2	0.003
JUN 26-JUL 03	0.06	0.06	0.11	0.59	3.8	0.27	4.0	<0.001
JUL 03-10	0.03	0.05	0.11	0.26	1.1	0.15	0.9	<0.001
JUL 10-17	0.03	0.02	0.11	0.16	1.2	0.18	1.0	<0.001
JUL 17-24	0.13	0.09	0.19	1.30	5.2	0.39	15	<0.001
JUL 24-31	0.02	0.02	0.05	0.23	1.1	0.10	1.6	<0.001
JUL 31-AUG 07	0.02	0.03	0.04	0.18	1.3	0.11	1.9	<0.001
AUG 07-14	0.07	0.03	0.29	0.24	2.2	0.42	2.4	<0.001
AUG 14-21	0.04	0.04	0.07	0.71	2.8	0.16	6.8	<0.001
AUG 21-28	0.01	0.01	0.05	0.13	0.83	0.10	0.8	<0.001
AUG 28-SEP 04	0.04	0.03	0.13	0.19	1.2	0.17	1.3	<0.001
SEP 04-11	0.02	0.01	0.08	0.06	0.65	0.15	0.6	<0.001
SEP 11-18	0.07	0.02	0.25	0.02	0.90	0.21	1.4	<0.002
SEP 18-25	0.04	0.02	0.27	0.05	0.75	0.43	0.8	<0.001
SEP 25-OCT 02	--	--	--	--	--	--	--	--
OCT 02-09	0.03	0.02	0.19	0.13	0.79	0.27	1.2	<0.001
OCT 09-16	0.01	0.01	0.06	0.08	0.45	0.11	0.6	<0.001
OCT 16-23	0.03	0.02	0.18	0.09	0.41	0.28	0.8	<0.001
OCT 23-30	0.14	0.06	0.83	0.34	2.2	1.3	3.2	0.004
OCT 30-NOV 06	0.03	0.02	0.14	0.05	0.41	0.15	0.7	<0.001
NOV 06-13	0.13	0.07	0.8	0.39	1.4	1.1	2.1	<0.001
NOV 13-20	0.05	0.04	0.3	0.26	0.98	0.49	1.6	<0.001
NOV 20-27	0.03	0.02	0.21	0.10	0.55	0.34	0.8	<0.001
NOV 27-DEC 04	0.25	0.11	0.55	0.63	1.7	0.34	2.2	<0.001
DEC 04-11	0.01	0.01	0.04	0.06	0.58	0.04	1.3	<0.001
DEC 11-18	0.06	0.03	0.42	0.18	0.47	0.75	1.1	<0.001
DEC 18-26	0.09	0.06	0.61	0.59	2.0	1.0	3.5	<0.001
DEC 26 1984-JAN 02 1985	0.04	0.02	0.27	0.09	0.41	0.40	0.7	<0.001

341045093055400 NATIONAL TRENDS NETWORK SITE NEAR CADDO VALLEY, ARK--CONTINUED

PRECIPITATION QUALITY, MAY 1984 TO JULY 1985

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER)	AGENCY ANALYZING SAMPLE (CODE NUMBER)	PRECIPITATION TOTAL INCHES/ WEEK	PH (STANDARD UNITS)	PH LAB (STANDARD UNITS)	SPECIFIC CONDUCTANCE (US/CM)	SPECIFIC CONDUCTANCE LAB (US/CM)	CALCIUM DISSOLVED (MG/L AS CA)
JAN, 1985									
02-08	0905-0915	1028	17003	0.00	--	--	--	--	--
JAN 08-15	0915-0915	1028	17003	0.36	4.3	4.5	32	26	0.75
JAN 15-22	0915-0910	1028	17003	0.85	--	--	--	--	--
JAN 22-29	0915-0910	1028	17003	1.23	--	--	--	--	--
JAN 29-FEB 05	0910-0910	1028	17003	1.27	--	--	--	--	--
FEB 05-12	0910-0900	1028	17003	0.27	--	--	--	--	--
FEB 12-19	0900-1300	1028	17003	0.25	--	--	--	--	--
FEB 19-26	1300-0900	1028	17003	3.49	--	--	--	--	--
FEB 26-MAR 05	0900-0900	1028	17003	0.49	4.5	4.6	17	17	0.11
MAR 05-12	0900-0905	1028	17003	0.41	5.0	5.9	12	10	0.36
MAR 12-19	0905-0915	1028	17003	0.79	4.5	4.6	18	17	0.10
MAR 19-26	0915-0915	1028	17003	4.79	4.8	4.9	7	7	0.03
MAR 26-APR 02	0915-0900	1028	17003	1.11	5.0	5.6	7	7	0.29
APR 02-09	0900-0920	1028	17003	0.32	--	--	--	--	--
APR 09-16	0920-0900	1028	17003	0.43	4.5	4.6	17	15	0.06
APR 16-23	0900-0920	1028	17003	3.33	4.7	5.0	10	8	0.10
APR 23-30	0920-0900	1028	17003	3.12	4.8	4.8	12	13	0.15
APR 30-MAY 07	0900-0900	1028	17003	0.06	4.8	5.0	11	11	0.13
MAY 07-14	0900-0940	1028	17003	0.18	4.6	4.8	12	10	0.15
MAY 14-21	0940-0915	1028	17003	0.85	4.5	4.6	15	13	0.05
MAY 21-28	0915-0910	1028	17003	0.58	4.6	4.6	16	13	0.08
MAY 28-JUN 04	0910-0915	1028	17003	0.6	4.6	4.6	16	15	0.12
JUN 04-11	0915-0905	1028	17003	0.08	4.5	4.6	18	16	0.31
JUN 11-18	0905-1120	1028	17003	3.07	--	--	--	--	--
JUN 18-25	1120-0900	1028	17003	0.02	--	5.3	--	23	0.48
JUN 25-JUL 02	0910-0900	1028	17003	0.74	4.4	4.7	--	18	0.64
JUL 02-09	0900-0910	1028	17003	0.25	4.7	4.7	--	11	0.09
JUL 09-16	0910-0910	1028	17003	0.10	4.9	5.2	14	13	0.56
JUL 16-23	0910-0900	1028	17003	0.72	4.6	4.7	14	11	0.06
JUL 23-30	0900-0900	1028	17003	0.02	--	4.9	--	16	0.42

341045093055400 NATIONAL TRENDS NETWORK SITE NEAR CADDO VALLEY, ARK--CONTINUED

PRECIPITATION QUALITY, MAY 1984 TO JULY 1985

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	SODIUM, DIS-SOLVED (MG/L AS NA)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SULFATE DIS-SOLVED (MG/L AS SO4)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
JAN, 1985 02-08	--	--	--	--	--	--	--	--
JAN 08-15	0.08	0.07	0.29	0.41	2.8	0.41	3.0	<0.001
JAN 15-22	--	--	--	--	--	--	--	--
JAN 22-29	--	--	--	--	--	--	--	--
JAN 29-FEB 05	--	--	--	--	--	--	--	--
FEB 05-12	--	--	--	--	--	--	--	--
FEB 12-19	--	--	--	--	--	--	--	--
FEB 19-26	--	--	--	--	--	--	--	--
FEB 26-MAR 05	0.04	0.05	0.30	0.26	0.91	0.39	1.5	<0.001
MAR 05-12	0.04	0.04	0.22	0.64	1.4	0.26	1.4	<0.001
MAR 12-19	0.02	0.03	0.14	0.34	1.0	0.18	1.7	0.003
MAR 19-26	0.01	0.01	0.04	0.08	0.37	0.1	0.6	<0.001
MAR 26-APR 02	0.04	0.09	0.21	0.19	0.58	0.36	1.1	0.002
APR 02-09	--	--	--	--	--	--	--	--
APR 09-16	0.04	0.06	0.13	0.21	0.85	0.18	1.5	<0.001
APR 16-23	0.03	0.02	0.17	0.13	0.55	0.26	0.8	0.003
APR 23-30	0.03	0.07	0.18	0.44	0.85	0.32	1.8	<0.001
APR 30-MAY 07	0.06	0.04	0.17	0.40	1.0	0.28	1.4	<0.001
MAY 07-14	0.05	0.07	0.14	0.17	0.95	0.23	1.1	<0.001
MAY 14-21	0.01	0.02	0.04	0.08	0.99	0.09	0.8	<0.001
MAY 21-28	0.03	0.03	0.06	0.30	1.2	0.19	1	<0.001
MAY 28-JUN 04	0.02	0.03	0.08	0.43	0.90	0.16	1.8	<0.001
JUN 04-11	0.10	0.06	0.32	<0.02	0.88	0.57	1.4	<0.001
JUN 11-18	--	--	--	--	--	--	--	--
JUN 18-25	0.24	0.17	1.4	0.43	1.3	2.5	1.2	<0.005
JUN 25-JUL 02	0.04	0.06	0.04	0.39	2.5	0.13	1.8	<0.001
JUL 02-09	0.03	0.01	0.04	0.04	1.1	0.11	0.6	<0.001
JUL 09-16	0.08	0.07	0.17	0.44	1.8	0.22	1.5	<0.001
JUL 16-23	0.01	0.01	0.03	0.04	0.89	0.05	0.8	<0.001
JUL 23-30	0.11	0.02	0.41	0.24	1.6	0.7	1.3	<0.001

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October 1, 1978

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
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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