



Water Resources Data Arkansas Water Year 1986



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AR-86-1
Prepared in cooperation with the Arkansas Department of Pollution
Control and Ecology; Arkansas Geological Commission; Arkansas
Soil and Water Conservation Commission; Arkansas State
Highway and Transportation Department and with
other State and Federal agencies

CALENDAR FOR WATER YEAR 1986

1985

OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4	5						1	2	1	2	3	4	5	6	7
6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14
13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21
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1986

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Water Resources Data Arkansas

Water Year 1986

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



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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 Highway and Transportation Department and with other State and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

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1987

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, and 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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[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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INTRODUCTION

Water resources data for the 1986 water year for Arkansas consist of records of gage height, discharge, and water quality of streams; water quality of lakes; and water levels and water quality of wells. This report contains discharge records for 48 gaging stations; water quality for 154 stations, 73 partial-record stations, 5 observation wells, and 1 precipitation station, and water levels for 96 observation wells. Also included are data for 85 crest-stage partial record stations. Additional water data were collected at various sites, not part of the systematic data-collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Arkansas.

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

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released, either in separate reports or in conjunction 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-86-1." 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 Parks and Tourism, Richard Davies, director.
 Arkansas Department of Pollution Control and Ecology, Phyllis J. Moore, director.
 Arkansas Soil and Water Conservation Commission, J. Randy Young, director.
 Arkansas State Highway and Transportation Department, Henry C. Gray, director.

Assistance in the form of funds or services was given by the Corps of Engineers, U.S. Army, and the U. S. Environmental Protection Agency 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 average for the 1986 water year. However, the storm of November 19, which produced over 6 inches of rainfall on saturated ground, caused severe local flooding in northwest Arkansas. Maximum stage for the period of record was established at two continuous-record gaging stations and two partial-record gaging stations. A peak discharge exceeding the 100-year recurrence interval occurred at the White River near Fayetteville gaging station.

On June 27-28, remnants of hurricane Bonnie produced over 11 inches of rainfall in less than 24 hours which caused severe local flooding in south central Arkansas. A peak discharge exceeding the 50-year recurrence interval occurred at the Smackover Creek near Smackover gaging station. Damage to farmland, roads, and bridges was excessive. Runoff at the index station on the Buffalo River near St. Joe, which is representative of north Arkansas, was 81 percent of median for the 30-year base period 1951-80. Runoff at the index station on the Saline River near Rye, which is representative of south Arkansas, was 85 percent of median for the 30-year base period 1951-80.

Monthly and annual mean discharges for the 1986 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.

WATER-RESOURCES DATA FOR ARKANSAS, 1986

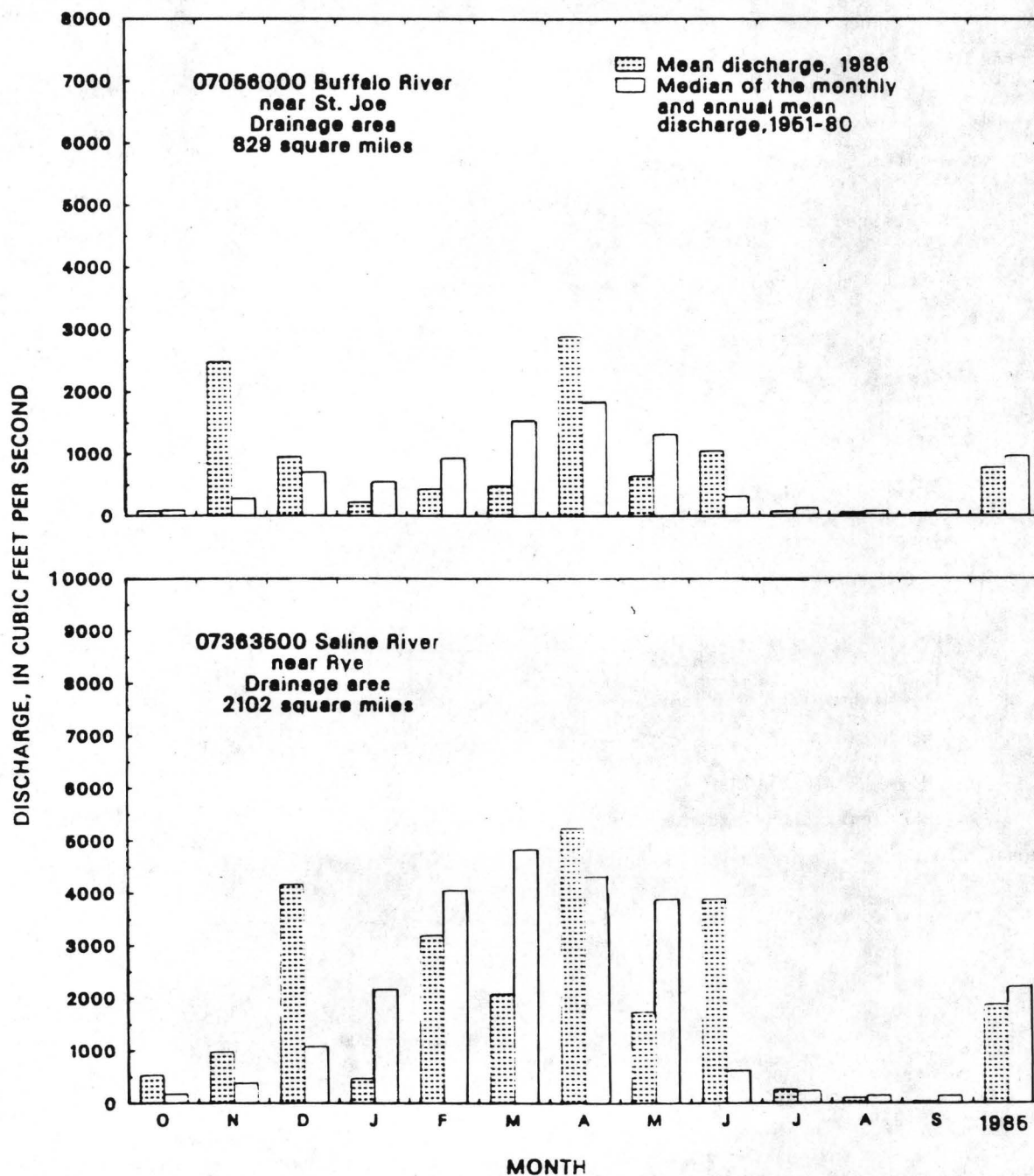


Figure 1.--Comparison of discharge at two representative long-term gaging stations for the 1986 water year with the median of the monthly and annual mean discharge for a 30-year period.

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 effects of coal mining. Seepage from naturally occurring salt deposits in Kansas and Oklahoma, which increases 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 1986 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 1986 was 752 mg/L in the Red River at Index. This concentration is considered normal for this station. The St. Francis Bay at Riverfront had a dissolved-solids concentration that was greater than the maximum for the previous period of record. Dissolved-solids concentrations, in milligrams per liter, are shown in the following table:

	1986		Period of Record through 1985	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	208	282	153	339
St. Francis Bay at Riverfront	100	314	55	290
Cache River at Patterson	--	--	41	242
White River at Clarendon	99	162	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 construc- tion)	241	392	86	2400
Red River at Index	499	752	157	1260
Ouachita River at Camden	33	65	30	193

The highest dissolved-chloride concentration found in 1986 was 240 mg/L in the Red River at Index. This concentration did not exceed the maximum concentration for the period of record and was within tolerance for most uses. Dissolved-chloride concentrations, in milligram per liter, are shown in the following table:

	1986		Period of Record through 1985	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	10	23	7.9	30
St. Francis Bay at Riverfront	3.7	10	0.1	13
Cache River at Patterson	3.1	15	1.7	20
White River at Clarendon	2.6	4.6	.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 construc- tion)	49	130	11	1240
Red River at Index	140	240	23	405
Ouachita River at Camden	3.8	13	3.1	79

The highest fecal-coliform concentration found in 1986 was K2,100 colonies per 100 mL in the Mississippi River at Memphis, Tennessee. The Arkansas River at David D. Terry Lock and Dam had a fecal-coliform concentration that was below the minimum for the previous period of record. Fecal-coliform concentrations, in colonies per 100 milliliters, are shown in the table on the following page.

	1986		Period of record through 1985	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	100	^a K2,100	20	16,000
St. Francis Bay at Riverfront	^a K11	210	8	4,600
Cache River at Patterson	^a K54	620	5	1,700
White River at Clarendon	13	100	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 construc- tion)	0	68	1	51,000
Red River at Index	4	^a K360	3	5,000
Ouachita River at Camden	^a K4	20	2	1,400

^aPlate count outside ideal range.

The highest suspended-sediment concentration found in 1986 was 620 mg/L in the Red River at Index. The Ouachita River at Camden had a suspended-sediment concentration that was below the minimum for the period of record. Suspended-sediment concentrations, in milligrams per liter, are shown in the following table:

	1986		Period of record through 1985	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	94	275	24	740
St. Francis Bay at Riverfront	45	390	21	959
Cache River at Patterson	62	215	23	220
White River at Clarendon	35	125	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 construc- tion)	24	200	2	644
Red River at Index	31	620	16	8,820
Ouachita River at Camden	11	35	17	639

Ground-Water Levels

The regional potentiometric gradient in the deposits of Quaternary age is southward from an altitude of about 290 feet above sea level in the northeastern part of the State to about 90 feet in the southeastern part. The normal gradient of the water surface 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 under Arkansas and Prairie Counties is as much as 97 feet deep which is about 95 feet above sea level. A second cone of depression has developed west of Crowleys Ridge in Poinsett and Cross Counties where large withdrawals for irrigation also occur. Water levels in the center of both cones are more than 100 feet below land surface. Comparison of 1986 to 1985 water levels shows that on the average, declines of 1 1/2 feet or less have occurred in both of these areas.

The regional potentiometric gradient in the Sparta Sand of Tertiary age generally is southward except where affected by pumpage. Three cones of depression, centered in Columbia, Union and Jefferson Counties, are a result of relatively large withdrawals for industrial and public supplies in those areas. Large withdrawals in the Grand Prairie for irrigation resulted in a northeasterly elongation of the cone centered under Jefferson County. At the centers of these cones, the water levels vary from about 270 feet to more than 430 feet below land surface. The deepest water levels occurred at El Dorado in Union County. Water levels, on the average, did not change from the previous year in Jefferson County, but declines of more than 1/2 and 2 feet occurred in Union and Columbia Counties, respectively. A one foot rise in water levels occurred in the Grand Prairie area. Elsewhere in the State, water levels in the Sparta Sand or Memphis Sand declined slightly more than 1/2 foot from last year.

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 those in the Quaternary Alluvium and Sparta Sand. 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 1986, five wells in the network were sampled. Chemical analyses for these wells 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 \pm 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 streptococcal 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 \pm 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 streambed, 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/m³), and periphyton and benthic organisms in grams per square meter (g/m²).

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 chlorophyll 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 (FT³/S, ft³/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:

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

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 may 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 17.

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

Ion	Multi- ply by	Ion	Multi- ply 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.

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 Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

<u>Classification</u>	<u>Size (mm)</u>	<u>Method of analyses</u>
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 environment, the zooplankton are a vital part of the aquatic food 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.

Sea Level refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)-- a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called "Mean Sea Level of 1929."

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 hierarchical 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

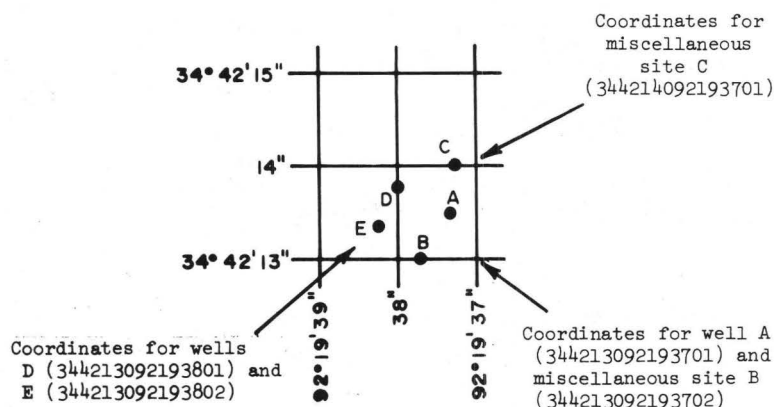
Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream 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 indentation in the list of stations in the front of the report. Each indentation represents one rank. This downstream order and system of indentation 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 may 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 48 stations in Arkansas in 1986. The locations of these stations are shown in figures 2 and 3, pages 30 and 31.

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.

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, or 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 ft³/s; to tenths, between 1.0 and 10 ft³/s; to whole numbers, between 10 and 1,000 ft³/s; and to three significant figures, above 1,000 ft³/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.

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.

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. Tables of daily mean gage heights are included for some streamflow 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 error 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."

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 is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder, 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, 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.

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-four stations are included for 1986. The location of these stations are shown in figures 4 and 5, pages 32 and 33.

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 19 and 20.

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.

WATER RESOURCES DATA FOR ARKANSAS, 1986

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	Di- vide by	Range of concentration, in 1,000 mg/L	Di- vide by	Range of concentration, in 1,000 mg/L	Di- vide by	Range of concentration, in 1,000 mg/L	Di- vide 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 505). 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

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, Books and Open-File Reports Section, Federal Center, Box 25425, Denver, Colorado 80225 (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.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 Pages.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-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.
- 3-A13. *Computation of continuous records of streamflow*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.
- 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.
- 3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.

- 3-C1. *Fluvial sediment concepts* by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment.* by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge,* by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. *Some statistical tools in hydrology,* by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. *Frequency curves,* by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. *Low-flow investigations,* by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. *Storage analyses for water supply,* by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. *Regional analyses of streamflow characteristics,* by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. *Computation of rate and volume of stream depletion by wells* by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments* by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.
- 5-A2. *Determination of minor elements in water by emission spectroscopy.* by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 5-A3. *Methods for analysis of organic substances in water,* by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples.* edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.
- 5-A5. *Methods for determination of radioactive substances in water and fluvial sediments.* by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
- 5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments,* 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.
- 7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments,* by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water,* by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 7-C3. *A model for simulation of flow in singular and interconnected channels* by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
- 8-A1. *Methods of measuring water levels in deep wells.* by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages
- 8-A2. *Installation and service manual for U.S. Geological Survey manometers* by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.
- 8-B2. *Calibration and maintenance of vertical-axis type current meters.* by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

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.

DISCONTINUED WATER-QUALITY STATIONS

The following water-quality stations have been discontinued in Arkansas. Continuous daily records of water temperature or sediment and monthly or periodic samples of chemical quality were collected and published for the period of record shown for each station.

Station number	Station name	Type of record	Period of record
Mississippi River Main Stem			
07024181	Mississippi River at Huffman, Ark.	Chem.	1972-74
07029150	Mississippi River at Barfield, Ark.	Chem.	1974-83
07032010	Mississippi River at West Memphis, Ark.	Chem.	1969-70
07047968	St. Francis River North of Helena, Ark.	Chem.	1972-83
07265455	Mississippi River near Greenville, Miss.	Chem.	1973-74
St. Francis River basin			
07040350	Big Slough Ditch near Paragould, Ark.	Chem., Sed.	1978-84
07040424	Locust Creek Ditch near Paragould, Ark.	Chem., Sed.	1978-84
07040428	Eight Mile Ditch near Paragould, Ark.	Chem., Sed.	1978-84
07040440	Thompson Creek near Lester, Ark.	Chem., Sed.	1978-81
07040445	Big Bay Ditch near Lester, Ark.	Chem., Sed.	1978-81
07040500	Cockle Burr Slough Ditch near Black Oak, Ark.	Chem., Sed.	1978-79
07046500	Big Lake Outlet near Manilla, Ark.	Chem., Sed.	1972-83
07046535	Pemiscot Bayou near Yarbrow, Ark.	Chem.	1972-74
07047400	Pemiscot Bayou near Dell, Ark.	Chem.	1974-83
07047500	St. Francis River at Marked Tree, Ark.	Chem.	1946, 1950-55 1966-73
07047560	Tyronza River near Dyess, Ark.	Chem.	1977
07047570	Tyronza Bayou near Dyess, Ark.	Chem.	1977
07047575	Tyronza River Ditch No. 40 near Chelford, Ark.	Chem.	1977
07047585	Tyronza River Ditch No. 6 near Lepanto, Ark.	Chem.	1977
07047590	Tyronza River near Spear Lake, Ark.	Chem.	1977
07047700	Tyronza River near Twist, Ark.	Chem.	1974-83
07047882	Straight Slough near Birdseye, Ark.	Chem., Sed.	1977-84
07047936	L'Anguille River near Cherry Valley, Ark.	Chem., Sed.	1981-84
07047950	L'Anguille River at Palestine, Ark.	Chem., Sed.	1978-79, 1981-84
White River basin			
07048000	West Fork White River at Greenland, Ark.	Chem.	1946-54, 1956-57, 1959, 1963, 1976-79
07048600	White River near Fayetteville, Ark.	Chem.	1958, 1976-81
07049000	War Eagle Creek near Hindsville, Ark.	Chem.	1950, 1953, 1954, 1956-63

DISCONTINUED WATER-QUALITY STATIONS

The following water-quality stations have been discontinued in Arkansas. Continuous daily records of water temperature or sediment and monthly or periodic samples of chemical quality were collected and published for the period of record shown for each station.

Station number	Station name	Type of record	Period of record
Mississippi River Main Stem			
07024181	Mississippi River at Huffman, Ark.	Chem.	1972-74
07265455	Mississippi River near Greenville, Miss.	Chem.	1973-74
07029150	Mississippi River at Barfield, Ark.	Chem.	1974-83
07032010	Mississippi River at West Memphis, Ark.	Chem.	1969-70
07047970	Mississippi River at Helena, Ark.	Chem.	1972-74
St. Francis River basin			
07040350	Big Slough Ditch near Paragould, Ark.	Chem., Sed.	1978-84
07040424	Locust Creek Ditch near Paragould, Ark.	Chem., Sed.	1978-84
07040428	Eight Mile Ditch near Paragould, Ark.	Chem., Sed.	1978-84
07040440	Thompson Creek near Lester, Ark.	Chem., Sed.	1978-81
07040445	Big Bay Ditch near Lester, Ark.	Chem., Sed.	1978-81
07040500	Cockle Burr Slough Ditch near Black Oak, Ark.	Chem., Sed.	1978-79
07046500	Big Lake Outlet near Manilla, Ark.	Chem., Sed.	1972-83
07046535	Pemiscot Bayou near Yarbrow, Ark.	Chem.	1972-74
07047400	Pemiscot Bayou near Dell, Ark.	Chem.	1974-83
07047500	St. Francis River at Marked Tree, Ark.	Chem.	1946, 1950-55 1966-73
07047560	Tyronza River near Dyess, Ark.	Chem.	1977
07047570	Tyronza Bayou near Dyess, Ark.	Chem.	1977
07047575	Tyronza River Ditch No. 40 near Chelford, Ark.	Chem.	1977
07047585	Tyronza River Ditch No. 6 near Lepanto, Ark.	Chem.	1977
07047590	Tyronza River near Spear Lake, Ark.	Chem.	1977
07047700	Tyronza River near Twist, Ark.	Chem.	1974-83
07047882	Straight Slough near Birdeye, Ark.	Chem., Sed.	1977-84
07047936	L'Anguille River near Cherry Valley, Ark.	Chem., Sed.	1981-84
07047950	L'Anguille River at Palestine, Ark.	Chem., Sed.	1978-79, 1981-84
07047968	St. Francis River North of Helena, Ark.	Chem.	1972-83
White River Basin			
07048000	West Fork White River at Greenland, Ark.	Chem.	1946-54, 1956-57, 1959, 1963, 1976-79
07048600	White River near Fayetteville, Ark.	Chem.	1958, 1976-81
07049000	War Eagle Creek near Hindsville, Ark.	Chem.	1950, 1953,

DISCONTINUED WATER-QUALITY STATIONS--CONTINUED

Station number	Station name	Type of record	Period of record
White River basin--Continued			
07049695	White River above Busch, Arkansas	Chem., Temp.	1969, 1972-82
07050000	White River at Beaver, Ark.	Chem.	1945-46, 1948-53, 1974-83
07055000	White River near Flippin, Ark.	Chem.	1945-50, 1953, 1979-79
07055500	White River at Cotter, Ark.	Chem., Temp.	1947-59, 1966-82
07055550	Crooked Creek Tributary near Dog Patch, Ark.	Chem.,	1947-59, 1966-82
07055600	Crooked Creek at Pyatt, Ark.	Chem.	1963, 1964, 1974-78
07055630	White River at Buffalo City, Ark.	Temp.	1963-64
07055700	Little Buffalo River at Jasper, Ark.	Temp.	1963-70
07057000	Buffalo River near Rush, Ark.	Chem.	1946-54, 1958-59, 1961, 1963
07057246	White River near Lone Rock, Ark.	Temp.	1979-82
07057250	White River at Shipps Ferry, Ark.	Temp.	1963-64
07060010	North Fork River at Norfork, Ark.	Chem., Temp.	1974-83
07060660	White River at Sylamore, Ark.	Temp.	1967-82
07064000	Black River near Corning, Ark.	Chem.	1945-61, 1963 1966-67, 1972-83
07068600	Little Black River at Success, Ark.	Temp.	1980-1984
07068867	Fourche River near Middlebrook, Ark.	Chem.	1969-1975
07069266	Spring River near Hardy, Ark.	Chem.	1974-83
07069268	South Fork of Spring River near Moko, Ark.	Chem.	1972-74
07069500	Spring River at Imboden, Ark.	Chem.	1945-63, 1966-72, 1976-79
07072000	Eleven Point River near Ravenden Springs, Ark.	Chem.	1945-60, 1963, 1966, 1972-79
07073000	Strawberry River near Evening Shade, Ark.	Chem.	1946-57, 1979
07073500	Piney Fork at Evening Shade, Ark.	Chem.	1959, 1979
07074000	Strawberry River near Poughkeepsie, Ark.	Chem.	1946-60, 1971, 1972 1979
07074490	Black River at Jacksonport, Ark.	Chem.	1964, 1974-83

WATER QUALITY DATA FOR ARKANSAS, 1986
DISCONTINUED WATER-QUALITY STATIONS--CONTINUED

Station number	Station name	Type of record	Period of record
White River basin--Continued			
07074595	Village Creek near Walnut Ridge Ark.	Chem.	1973-74, 1976-77
07074645	Lick Pond Creek near Alicia, Ark.	Chem.	1976-77
07074660	Village Creek near Swifton, Ark.	Chem.	1973-74, 1976-77
07074665	Maple Ditch near Swifton, Ark.	Chem.	1976-77
07074675	Swan Pond Ditch near Tuckerman, Ark.	Chem.	1976-77
07074700	Village Creek near Newport, Ark.	Chem.	1960-61, 1963-64, 1973-74, 1976-77
07074849	White River above Augusta, Ark.	Temp.	1967-71
07074850	White River near Augusta, Ark.	Chem.	1974-83
07075000	Middle Fork of Little Red River at Shirley, Ark.	Chem.	1954, 1979
07076200	Little Red River near Wilburn, Ark.	Chem., Temp.	1968-83
07076500	Little Red River at Pangburn, Ark.	Temp.	1967-82
07076620	Little Red River near Searcy, Ark.	Temp.	1967-82
07076626	Little Red River above Searcy, Ark.	Chem.	1984-85
07076634	Little Red River at Judsonia, Ark.	Chem.	1975-83
07076640	Little Red River near West Point, Ark.	Temp.	1967-72
07076750	White River at Georgetown, Ark.	Temp.	1967-81
07076850	Cypress Bayou near Beebe, Ark.	Chem.	1976-78
07077000	White River at Devalls Bluff, Ark.	Chem., Temp.	1963-70
07077080	Little Cache River Ditch No. 1 near McDougal, Ark.	Chem.	1973-75
07077380	Cache River at Egypt, Ark.	Chem.	1963, 1966, 1976-79
07077400	Cache River near Cash, Ark.	Chem.	1974-83
07077600	Cache River at Brasfield, Ark.	Chem.	1974-83
07077750	Bayou Devew near Brasfield, Ark.	Chem.	1956-57, 1974-83
07077790	Cache River at 100 Yards Below Dredging, Ark.	Chem.	1977-80
07077794	Cache River at Mouth near Clarendon, Ark.	Chem.	1977-80
07077950	Big Creek at Poplar Grove, Ark.	Chem.	1972, 1976-79
07077952	Big Creek near Poplar Grove, Ark.	Chem.	1970-73
07077960	Big Creek near Watkins Corner, Ark.	Chem.	1974-83
07078120	Little LaGrue Bayou near Stuttgart, Ark.	Chem.	1954-55
07078285	White River at Ark. Post Canal near Nady, Ark.	Chem.	1972-83

WATER RESOURCES DATA FOR ARKANSAS, 1986
DISCONTINUED WATER-QUALITY STATIONS--CONTINUED

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Station number	Station name	Type of record	Period of record
Arkansas River basin			
07195430	Illinois River South of Siloam Springs, Ark.	Chem.	1972-81
07195800	Flint Creek at Springtown, Ark.	Chem.	1975-79
07195850	Flint Creek North of Siloam Springs, Ark.	Chem.	1972-81
07196950	Evansville Creek at Evansville, Ark.	Chem.	1958-59
07247000	Poteau River at Cauthron, Ark.	Chem.	1945-61, 1975-79
07247012	Poteau River South of Bates, Ark.	Chem.	1972-83
07249703	Lee Creek near Natural Dam, Ark.	Chem.	1972-74
07250000	Lee Creek near Van Buren, Ark.	Chem.	1951-59, 1972-79
07252000	Mulberry River near Mulberry Ark.	Chem.	1947-59, 1975-79
07252400	Arkansas River at Ozark, Ark.	Chem.	1962-63, 1965-66
07252500	Sixmile Creek Subwatershed near Chismville, Ark.	Chem., Sed.	1959-67
07257000	Big Piney Creek near Dover, Ark.	Chem.	1951-56
07257500	Illinois Bayou near Scottsville, Ark.	Chem.	1971-72
07257995	Lake Dardanelle at Dardanelle, Ark.	Chem.	1966-67
07260500	Petit Jean River at Danville, Ark.	Chem.	1949-52, 1976-78
07260640	Petit Jean River near Centerville, Ark.	Chem.	1974-83
07261000	Cadron Creek near Guy, Ark.	Chem.	1976-78
07261235	East Fork Cadron Creek North of Conway, Ark.	Chem.	1973
07261250	Cadron Creek West of Conway, Ark.	Chem.	1955-56, 1973-83
07263000	So Fourche LaFave River near Hollis, Ark.	Chem.	1953, 1978-79
07263010	Fourche LaFave River near Aplin, Ark.	Chem.	1952-53
07263150	Fourche LaFave River near Bigelow, Ark.	Chem.	1975-83
07263500	Arkansas River at Little Rock, Ark.	Chem.	1946-69
07263650	Arkansas River at Pine Bluff, Ark.	Chem.	1963
07263720	Arkansas River near Altheimer, Ark.	Chem.	1954
07263750	Ark. River at Lock and Dam 3 near Swan Lake, Ark.	Chem.	1974-83
07264000	Bayou Meto near Lonoke, Ark.	Chem.	1968-83
07264050	Bayou Two Prairie near Cabot, Ark.	Chem.	1975-83
07264500	Bayou Meto near Stuttgart, Ark.	Chem.	1950-52, 1973-74
07265280	Arkansas River at Pendleton, Ark.	Chem.	1963

WATER RESOURCES DATA FOR ARKANSAS, 1986
DISCONTINUED WATER-QUALITY STATIONS--CONTINUED

Station number	Station name	Type of record	Period of record
Red River basin			
07339500	Rolling Fork near DeQueen, Ark.	Temp.	1976-79
07339850	Rolling Fork near Horatio, Ark.	Chem.	1974-83
07340500	Cossatot River near DeQueen, Ark.	Temp.	1976-79
07340520	Cossatot River near Lockesburg, Ark.	Chem.	1974-83
07341000	Saline River near Dierks, Ark.	Temp.	1975-79
07341200	Saline River near Lockesburg, Ark.	Chem.	1974-83
07341500	Red River at Fulton, Ark.	Chem., Temp.	1946-47, 1952-61, 1978-79
07342000	Red River at Garland, Ark.	Chem.	1976
07344290	Days Creek South of Texarkana, Ark.	Chem.	1973-74
07344340	Sulfur River near Fort Lynn, Ark.	Chem.	1975-78
07348615	Bayou Dorcheat near Bussey, Ark.	Chem.	1973-74
07348680	Crooked Creek at Ark.-Louisiana State Line	Chem.	1973-74
07349445	Bodcau Creek near Taylor, Ark.	Chem.	1952, 1973-74
07349453	Wheeler Creek near Arkana, Ark.	Chem.	1973-1974
07349455	Bear Creek near Arkana, Ark.	Chem.	1973
07349457	Dooley Creek near Ark.-Louisiana State Line	Chem.	1973
07356150	Ouachita River near Washita, Ark.	Chem.	1970-72
07356320	Irons Fork Creek near Fannie, Ark.	Chem.	1970-78
07356500	South Fork Ouachita River at Mount Ida, Ark.	Chem.	1970-72, 1978
07357500	Lake Ouachita near Hot Springs, Ark.	Chem.	1970-78
07357501	Ouachita River at Blakely Mtn. Dam near Hot Springs, Ark.	Chem.	1970-83
07357503	Ouachita River at Mountain Pine, Ark.	Temp.	1979-82
07359900	DeGray Lake near Arkadelphia, Ark.	Chem.	1950-52,
07359910	Caddo River at Degray Regulating Dam near Arkadelphia, Ark.	Chem.	1976-78
07360000	Quachita River at Arkadelphia, Ark.	Chem.	1949-70
07360162	Quachita River near Sparkman, Ark.	Chem.	1974-83
07360182	Brushy Creek near Ouachita, Ark.	Chem.	1978-81
07360250	Little Missouri River near Newhope, Ark.	Chem.	1970-78
07360350	Self Creek near Daisy, Ark.	Chem.	1970-72, 1976-78
07360500	Lake Greeson near Murfreesboro, Ark.	Chem.	1970-72, 1976-78

DISCONTINUED WATER-QUALITY STATIONS--CONTINUED

Station number	Station name	Type of record	Period of record
Red River basin--Continued			
07361500	Antoine River at Antoine, Ark	Chem.	1976-79
07361650	Terre Rouge Creek near Prescott, Ark.	Chem.	1978-79
07361660	Little Missouri River near Whelen Springs, Ark.	Chem.	1978
07361805	Terre Noir Creek at Vaden, Ark.	Chem.	1978-79
07362100	Smackover Creek near Smackover, Ark.	Chem.	1950-52, 1976-81
07362200	Smackover Creek near Norphlet, Ark.	Chem.	1959-60, 1962-68, 1970-72
07362390	Ouachita River at Calion, Ark.	Chem.	1950-54
07362400	Ouachita River at Lock and Dam 8, near Calion, Ark.	Chem.	1972-84
07362500	Moro Creek near Fordyce, Ark.	Chem.	1952-55, 1976-77
07363000	Saline River at Benton, Ark.	Chem.	1950-53, 1975-79
07363080	Saline River near Tull, Ark.	Chem.	1974-75
07363300	Hurricane Creek near Sheridan, Ark.	Chem.	1967-72, 1976-80
07363400	Hurricane Creek below Sheridan, Ark.	Chem.	1950-55
07363500	Saline River near Rye, Ark.	Chem.	1947-55, 1958-60, 1968-71, 1976-80
07364020	L'Aigle Creek at Hermitage, Ark.	Chem.	1980
07364060	Bayou Lapile at Strong, Ark.	Chem.	1952-55
07364080	Ouachita River near Felsenthal, Ark.	Chem., Temp.	1950-67, 1971-81
07364088	Coffee Creek near Crossett, Ark.	Chem.	1973-83
07364150	Bayou Bartholomew near McGehee, Ark.	Chem.	1960-72, 1976-79
07365900	Three Creeks near Three Creeks, Ark.	Chem.	1953-55, 1973-74
07366105	Little Cornie Bayou East of Junction City, Ark.	Chem.	1973-74
07367666	Big Bayou near Jerome, Ark	Chem.	1974-81
07367695	LaFourche Bayou near Wilmot, Ark.	Chem.	1973-74

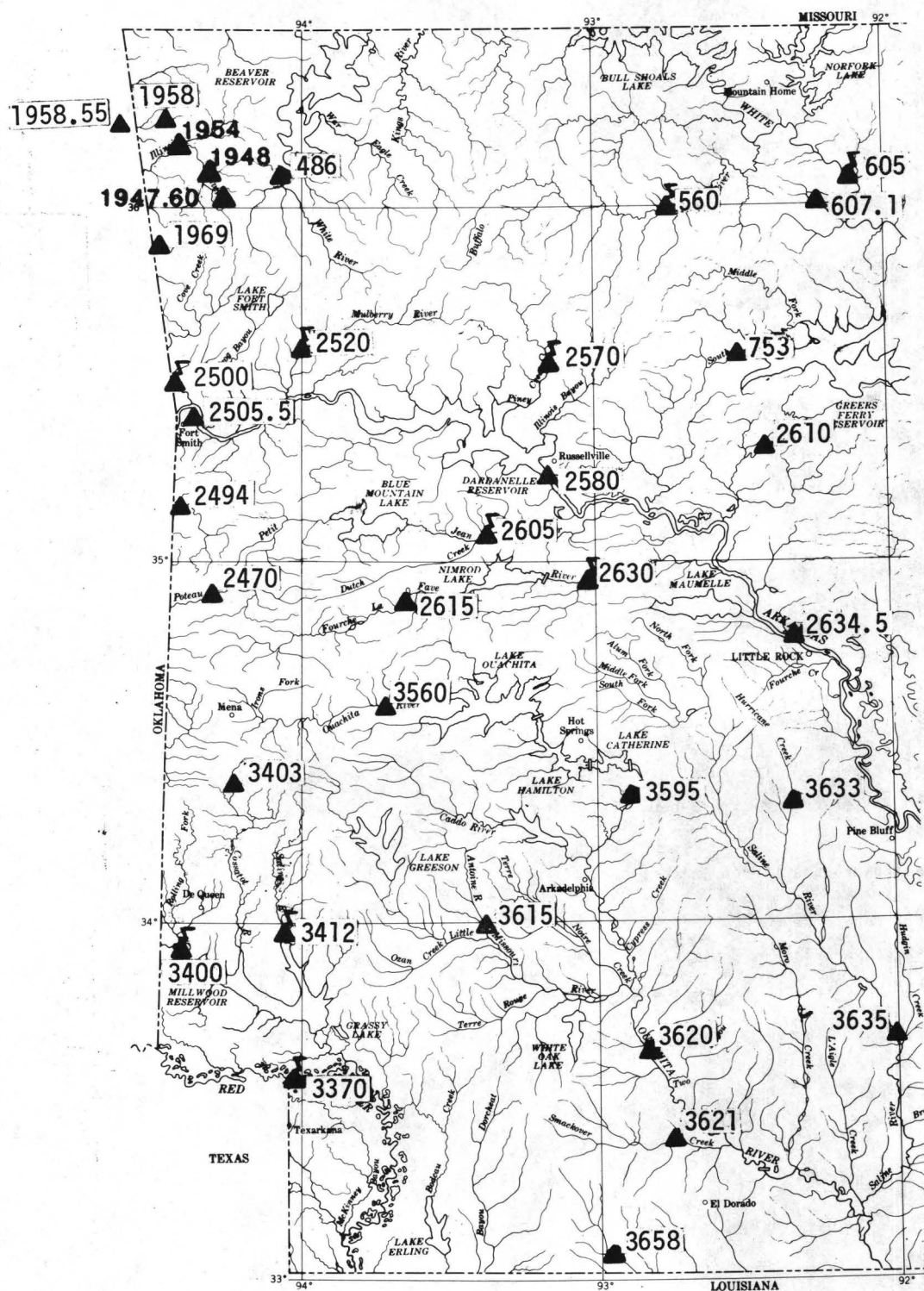


Figure 2.--Locations of continuous-record gaging stations in western Arkansas.

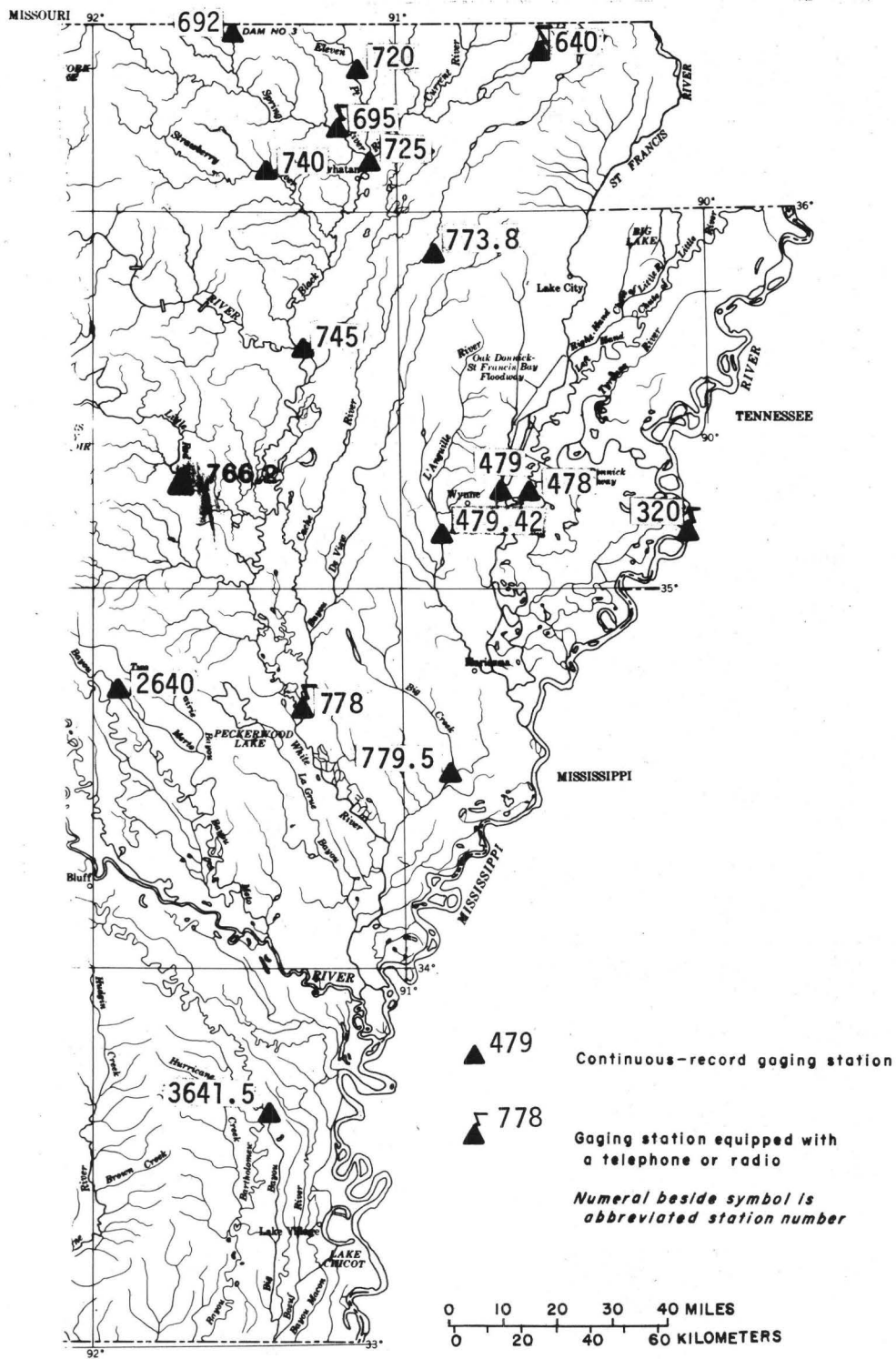


Figure 3.--Locations of continuous-record gaging stations in eastern Arkansas.





MISSISSIPPI RIVER MAIN STEM

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 mi², 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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
OCT, 1985											
30...	1330	80513	80010	457000	360	7.90	17.5	45	8.4	89	752
JAN, 1986											
28...	1315	80513	80020	422000	560	8.10	4.0	31	12.8	98	760
APR											
23...	1300	80513	80020	496000	430	8.00	16.0	3.5	8.6	86	770
JUN											
17...	1100	80513	80020	566000	414	7.70	26.5	100	6.0	75	760
DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS (MG/L 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)
OCT, 1985											
30...	1330	K200	K160	140	31	37	12	16	19	.6	3.8
JAN, 1986											
28...	1315	K2100	200	210	75	56	18	21	17	.6	2.9
APR											
23...	1300	110	K44	180	48	46	15	14	14	.5	3.4
JUN											
17...	1100	K100	1000	140	43	37	12	14	17	.5	2.8
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)	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 CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
OCT, 1985											
30...	1330	109	50	16	.20	7.1	229	210	.31	1.2	.030
JAN, 1986											
28...	1315	139	71	23	.20	9.3	282	290	.38	1.8	.020
APR											
23...	1300	129	54	14	.20	8.1	246	230	.33	2.3	.030
JUN											
17...	1100	99	49	10	.20	5.2	208	190	.28	--	<.010

07032000 MISSISSIPPI RIVER AT MEMPHIS, TENN.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)
OCT, 1985											
30...	1330	1.2	.040	<.010	.66	.70	.110	.100	.090	<10	1
JAN, 1986											
28...	1315	1.8	.180	.170	.72	.90	.180	.060	.060	10	1
APR											
23...	1300	2.3	.040	.040	.86	.90	.140	.080	.050	--	--
JUN											
17...	1100	2.0	.130	.080	.97	1.1	.290	.080	.070	20	1
DATE	TIME	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	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)
OCT, 1985											
30...	1330	67	1.5	<1	2	<3	14	20	8	8	1
JAN, 1986											
28...	1315	66	<.5	<1	3	<3	2	18	2	11	8
JUN											
17...	1100	59	<.5	1	<1	<3	6	19	<5	9	2
DATE	TIME	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	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- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT, 1985											
30...	1330	<.1	<10	4	<1	<1	180	6	170	210000	89
JAN, 1986											
28...	1315	<.1	<10	<1	<1	<1	240	19	112	128000	77
APR											
23...	1300	--	--	--	--	--	--	--	94'	126000	93
JUN											
17...	1100	<.1	<10	1	<1	<1	150	15	275	420000	93

ST. FRANCIS RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STRFAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE (DEG C) (00010)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	BARO- METRIC PRFS- SURE (MM OF HG) (00025)
OCT, 1985										
15...	1230	80513	80513	67	.77	214	.30	17.0	175	757
NOV										
18...	1515	80513	80513	67	14.56	3630	.30	12.0	178	754
DEC										
16...	1600	80513	80513	67	15.94	4410	.30	3.0	113	759
JAN, 1986										
21...	1530	80513	80513	67	10.70	2510	.61	3.5	186	748
FEB										
18...	1500	80513	80513	67	8.32	1710	.30	3.0	159	746
MAR										
17...	1530	80513	80513	67	25.95	3210	.30	10.0	190	753
APR										
21...	1530	80513	80513	67	8.73	1960	.30	13.0	153	752
MAY										
19...	1430	80513	80513	67	2.09	440	.20	18.0	182	753
JUN										
16...	1615	80513	80513	67	12.22	2920	.30	27.0	152	754
JUL										
21...	1200	80513	80513	67	1.13	228	.30	26.5	201	756
AUG										
26...	1200	80513	80513	67	.00	102	.40	25.0	210	755
SEP										
16...	1230	80513	80513	67	.00	54	.60	19.5	226	760

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH (STAND- ARD UNITS) (00400)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (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)
OCT, 1985										
15...	1230	7.7	80	7.80	48	28	--	100	97	94
NOV										
18...	1515	10.2	96	8.50	56	549	--	100	92	81
DEC										
16...	1600	12.8	95	7.70	95	1130	100	95	65	47
JAN, 1986										
21...	1530	13.8	106	8.00	48	325	100	94	72	68
FEB										
18...	1500	13.4	102	7.80	28	129	100	95	90	89
MAR										
17...	1530	11.0	99	8.00	67	581	100	95	91	87
APR										
21...	1530	9.2	88	7.90	81	429	--	100	97	95
MAY										
19...	1430	6.6	71	7.40	131	156	--	100	97	95
JUN										
16...	1615	6.4	81	7.60	117	922	100	97	86	70
JUL										
21...	1200	8.0	100	8.10	50	31	--	100	98	95
AUG										
26...	1200	7.4	91	7.90	37	10	--	--	--	100
SEP										
16...	1230	7.7	84	8.00	47	6.9	100	96	90	83

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	BED MAT. SIFVE 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, 1985										
15...	1230	--	--	--	--	100	99	90	25	15
NOV										
18...	1515	--	--	--	--	100	94	54	4	3
DEC										
16...	1600	--	--	--	100	99	72	24	12	12
JAN, 1986										
21...	1530	100	86	81	--	81	74	48	8	7
FEB										
18...	1500	--	--	--	--	100	98	66	1	1
MAR										
17...	1530	--	--	--	--	100	94	69	4	3
APR										
21...	1530	--	--	--	--	100	98	51	3	3
MAY										
19...	1430	--	--	--	--	100	98	70	10	7
JUN										
16...	1615	--	--	--	--	100	96	52	5	4
JUL										
21...	1200	--	--	--	--	100	98	69	10	8
AUG										
26...	1200	--	--	--	--	100	94	57	8	6
SEP										
16...	1230	--	--	--	--	100	98	54	6	5

ST. FRANCIS RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE (DEG C) (00010)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
NOV, 1985										
18...	1400	80513	80513	67	6.92	3660	.15	12.0	219	2160
DEC										
16...	1500	80513	80513	67	8.05	4700	.15	3.0	169	2140
JAN, 1986										
21...	1430	80513	80513	67	5.77	2540	.30	4.0	98	672
FEB										
18...	1400	80513	80513	67	5.36	2180	.06	4.0	94	553
MAR										
17...	1430	80513	80513	67	6.27	2830	.15	10.0	136	1040
APR										
21...	1430	80513	80513	67	7.63	4140	.10	12.0	374	4180
MAY										
19...	1330	80513	80513	67	2.91	791	.10	19.0	182	389
JUN										
16...	1500	80513	80513	67	6.40	3130	.20	27.5	155	1310
		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, 1985										
18...	1400	100	98	87	78	100	94	52	31	19
DEC										
16...	1500	100	97	67	56	100	96	59	19	15
JAN, 1986										
21...	1430	100	95	74	72	--	100	91	23	3
FEB										
18...	1400	100	98	93	80	100	99	89	4	2
MAR										
17...	1430	100	98	85	77	100	99	88	8	5
APR										
21...	1430	100	99	93	89	100	99	83	4	1
MAY										
19...	1330	--	--	--	100	100	98	86	21	10
JUN										
16...	1500	100	98	88	81	--	100	84	4	1

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW. INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE (DEG C) (00010)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
NOV, 1985										
18...	1300	80513	80513	67	26.34	3530	.15	13.0	256	2440
DEC										
16...	1400	80513	80513	67	28.98	4740	.15	3.0	219	2800
JAN, 1986										
21...	1330	80513	80513	67	24.71	2540	.30	4.0	136	933
FEB										
18...	1300	80513	80513	67	25.58	2210	.06	4.5	218	1300
MAR										
17...	1330	80513	80513	67	25.95	3210	.15	10.0	217	1880
APR										
21...	1330	80513	80513	67	28.16	4080	.10	12.5	382	4210
MAY										
19...	1230	80513	80513	67	15.11	855	.10	18.0	226	522
JUN										
16...	1415	80513	80513	67	18.45	2880	.20	27.5	207	1610
		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, 1985										
18...	1300	100	98	89	78	100	99	80	1	1
DEC										
16...	1400	100	88	72	54	100	99	66	1	1
JAN, 1986										
21...	1330	100	97	64	56	100	99	77	1	1
FEB										
18...	1300	100	94	59	50	100	98	59	1	1
MAR										
17...	1330	100	97	80	68	100	99	84	3	2
APR										
21...	1330	--	--	100	95	100	99	75	5	4
MAY										
19...	1230	--	100	98	97	100	99	82	1	1
JUN										
16...	1415	100	98	83	70	100	98	67	1	0

ST. FRANCIS RIVER BASIN

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.

PERIOD OF DAILY RECORD.--

SUSPENDED SEDIMENT DISCHARGE: February 1985 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SEDIMENT CONCENTRATIONS: Maximum daily mean, 3,480 mg/L March 12, 1987; minimum daily mean, 38 mg/L, September 22, 1985.

SEDIMENT LOADS: Maximum daily, 43,200 tons, May 28, 1987; minimum daily, 20 tons, September 22, 24, 25, 1985.

EXTREMES FOR CURRENT YEAR.--

SEDIMENT CONCENTRATIONS: Maximum daily mean, 3,480 mg/L, March 12; minimum daily mean, 57 mg/L, July 26.

SEDIMENT LOADS: Maximum daily, 43,200 tons, May 15; minimum daily, 28 tons, July 26.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE (DEG C) (00010)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)
OCT, 1985									
15...	1500	80513	80513	67	4.72	250	.24	18.0	212
NOV									
19...	0830	80513	80513	67	16.42	3590	.15	13.0	177
DEC									
17...	0830	80513	80513	67	17.92	4550	.15	2.0	106
JAN, 1986									
22...	0900	80513	80513	67	13.40	2170	.30	3.0	179
FEB									
19...	0900	80513	80513	67	12.77	2240	.12	4.0	154
MAR									
18...	0900	80513	80513	67	14.83	2940	.20	9.5	160
APR									
22...	0900	80513	80513	67	16.43	3500	.10	11.5	123
MAY									
20...	0900	80513	80513	67	8.84	1100	.20	17.0	125
JUN									
17...	0845	80513	80513	67	15.31	2850	.20	26.0	152
JUL									
21...	1400	80513	80513	67	5.37	370	.20	27.0	321
AUG									
26...	1400	80513	80513	67	3.63	138	.20	25.5	344
SEP									
16...	1530	80513	80513	67	3.03	92	.30	21.0	311

DATE	TIME	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH (STAND- ARD UNITS) (00400)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)
OCT, 1985									
15...	1500	757	8.9	95	8.00	101	68	100	99
NOV									
19...	0830	755	9.5	91	8.50	198	1920	--	100
DEC									
17...	0830	758	13.2	96	7.70	158	1940	100	99
JAN, 1986									
22...	0900	763	12.7	94	8.10	80	469	100	98
FEB									
19...	0900	748	12.1	94	7.60	97	587	--	100
MAR									
18...	0900	747	10.6	95	7.70	182	1440	100	97
APR									
22...	0900	760	8.8	81	7.60	222	2100	100	99
MAY									
20...	0900	757	7.0	73	7.30	230	683	--	--
JUN									
17...	0845	758	5.9	73	7.60	186	1430	100	97
JUL									
21...	1400	756	8.7	110	8.50	198	198	--	100
AUG									
26...	1400	755	8.0	99	8.00	197	73	--	100
SEP									
16...	1530	760	8.9	100	8.30	235	58	--	100

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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, 1985									
15...	1500	98	91	--	100	95	84	39	34
NOV									
19...	0830	97	89	100	99	95	78	12	6
DEC									
17...	0830	81	63	--	100	99	92	21	6
JAN, 1986									
22...	0900	88	80	--	100	96	77	9	3
FEB									
19...	0900	99	84	--	100	99	90	8	2
MAR									
18...	0900	85	75	--	100	99	91	12	6
APR									
22...	0900	95	88	--	--	100	94	24	3
MAY									
20...	0900	--	100	--	--	100	98	41	8
JUN									
17...	0845	97	89	--	100	98	95	30	1
JUL									
21...	1400	99	92	--	100	99	96	38	15
AUG									
26...	1400	98	94	--	100	95	89	67	61
SEP									
16...	1530	99	88	--	100	98	85	26	15

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DA)
JANUARY				FEBRUARY			MARCH		
1				---	---	---	8080	259	5650
2				---	---	---	7990	212	4570
3				---	---	---	7880	223	4740
4				---	---	---	7600	295	6050
5				---	---	---	7580	175	3580
6				---	---	---	7440	190	3820
7				---	---	---	7200	185	3600
8				---	---	---	7020	159	3010
9				---	---	---	7020	196	3710
10				---	---	---	6910	126	2350
11				---	---	---	6530	170	3000
12				---	---	---	6000	118	1910
13				---	---	---	5720	94	1450
14				---	---	---	5150	94	1310
15				---	---	---	5030	69	937
16				---	---	---	4560	62	763
17				---	---	---	4280	67	774
18				---	---	---	4000	63	680
19				---	---	---	3810	64	658
20				3790	79	808	3700	68	679
21				3490	65	612	3730	65	655
22				4470	682	8230	3960	82	877
23				7350	1210	24000	3550	63	604
24				11000	1120	33300	2940	88	699
25				10100	1140	31100	2610	60	423
26				8790	796	18900	2270	55	337
27				8560	365	8440	2060	117	651
28				8400	328	7440	1080	161	469
29				---	---	---	782	79	167
30				---	---	---	2010	132	716
31				---	---	---	9970	518	13900
TOTAL				65950	---	132830	158462	---	72739

ST. FRANCIS RIVER BASIN

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

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985--CONTINUED

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DA)
APRIL			MAY			JUNE			
1	9270	356	8910	5420	479	7010	3100	129	1080
2	8120	561	12300	4650	504	6330	2880	140	1090
3	7530	322	6550	3100	209	1750	2620	176	1250
4	7280	361	7100	2420	158	1030	2310	199	1240
5	7440	381	7650	2860	152	1170	2160	151	881
6	7780	484	10200	3060	143	1180	1810	145	709
7	7720	504	10500	3500	167	1580	1800	132	642
8	7650	590	12200	3680	132	1310	1890	150	765
9	7780	456	9580	3680	120	1190	2180	188	1110
10	7880	265	5640	3650	110	1080	2510	182	1230
11	7800	196	4130	3580	104	1010	2640	160	1140
12	7880	290	6170	3500	105	992	2720	165	1210
13	7800	225	4740	3490	105	989	3480	142	1330
14	8150	246	5410	3390	106	970	3510	165	1560
15	10300	601	16700	2980	100	805	3660	196	1940
16	8530	489	11300	2910	99	778	3610	155	1510
17	7740	278	5810	2910	74	581	3700	150	1500
18	7020	265	5020	2910	111	872	3930	184	1950
19	6410	130	2250	3130	141	1190	3810	167	1720
20	6000	164	2660	3150	98	833	3700	144	1440
21	6470	138	2410	3160	110	939	3750	191	1930
22	5460	119	1750	3220	286	2490	3790	139	1420
23	4560	146	1800	3650	272	2680	3970	174	1870
24	4640	187	2340	3280	133	1180	3990	162	1750
25	4480	110	1330	2640	115	820	3980	164	1760
26	4680	658	8310	3100	126	1050	4020	152	1650
27	8560	1720	39800	3270	126	1110	4210	915	10400
28	9810	1290	34200	3290	107	950	4960	1650	22100
29	7200	358	6960	3280	107	948	3950	224	2390
30	6260	251	4240	3200	118	1020	2690	189	1370
31	---	---	---	3140	112	950	---	---	---
TOTAL	218200	---	257960	103200	---	46787	97330	---	71937

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DA)
OCTOBER			NOVEMBER			DECEMBER			
1	229	49	30	1370	429	1590	2640	460	3280
2	225	35	21	1250	144	486	2740	409	3030
3	266	44	32	1200	90	292	2580	128	892
4	269	51	37	1200	77	249	2670	108	779
5	197	48	26	1360	89	327	2860	114	880
6	233	45	28	1610	119	517	3110	132	1110
7	444	71	85	1510	95	387	3290	130	1150
8	534	72	104	1330	71	255	3360	112	1020
9	537	69	100	1280	70	242	3380	109	995
10	405	60	66	1270	72	247	3370	119	1080
11	290	63	49	1210	72	235	4090	550	6070
12	257	64	44	1270	172	590	5370	509	7380
13	246	78	52	1660	177	793	4880	222	2930
14	264	72	51	1710	120	554	4620	186	2320
15	263	83	59	2050	140	775	4550	178	2190
16	251	76	52	3280	600	5310	4540	150	1840
17	235	63	40	3650	246	2420	4530	170	2080
18	262	64	45	3580	203	1960	4520	185	2260
19	362	72	70	3700	312	3120	4520	165	2010
20	397	68	73	4370	459	5420	4630	167	2090
21	503	88	120	4310	204	2370	4750	161	2060
22	794	146	313	3520	137	1300	4890	211	2790
23	1440	559	2170	3140	120	1020	5010	210	2840
24	1700	334	1530	3210	133	1150	5100	191	2630
25	1740	259	1220	3280	135	1200	5110	178	2460
26	1700	185	849	3400	138	1270	5100	187	2570
27	1460	102	402	5980	1010	16300	5100	179	2460
28	1290	106	369	7770	573	12000	5110	154	2120
29	1230	101	335	5900	301	4790	5140	155	2150
30	1100	91	270	3690	225	2240	5180	154	2150
31	1040	94	264	---	---	---	5180	154	2150
TOTAL	20163	---	8906	84060	---	69409	131920	---	71766

ST. FRANCIS RIVER BASIN

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

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
JANUARY			FEBRUARY			MARCH			
1	5150	133	1850	408	89	98	1580	92	392
2	5120	162	2240	943	204	519	1370	84	311
3	5100	157	2160	3900	1470	15500	1180	89	284
4	5260	245	3480	4370	969	11400	1100	73	217
5	5590	273	4120	4350	609	7150	1090	61	180
6	5810	166	2600	3810	420	4320	1230	88	292
7	5840	232	3660	4240	414	4740	1240	71	238
8	5660	172	2630	4590	414	5130	1100	62	184
9	5500	152	2260	4580	324	4010	1010	68	185
10	5210	183	2570	4420	267	3190	1040	174	489
11	4940	124	1650	4190	201	2270	1010	116	316
12	4670	122	1540	3760	162	1640	4200	3480	39500
13	4430	118	1410	3210	152	1320	5090	1150	15800
14	4220	130	1480	2780	275	2060	4160	1660	18600
15	3980	70	752	2490	150	1010	4680	616	7780
16	3610	87	848	2270	260	1590	4110	294	3260
17	3310	70	626	3110	453	3800	3400	219	2010
18	3070	67	555	2690	220	1600	2960	207	1650
19	2920	96	757	2200	118	701	2870	219	1700
20	2660	90	646	2050	116	642	3210	325	2820
21	2480	71	475	2110	116	661	4200	359	4070
22	2220	80	480	2290	139	859	4840	347	4530
23	1680	99	449	2330	117	736	5130	327	4530
24	1080	106	309	2320	104	651	5160	250	3480
25	663	146	261	2250	97	589	5040	200	2720
26	456	128	158	2110	91	518	4770	189	2430
27	392	93	98	2040	99	545	4390	189	2240
28	366	104	103	1940	96	503	3730	149	1500
29	368	95	94	---	---	---	2590	158	1100
30	420	66	75	---	---	---	1620	172	752
31	426	61	70	---	---	---	1260	136	463
TOTAL	102601	---	40406	81751	---	77752	90360	---	124023
APRIL			MAY			JUNE			
1	1120	103	311	2620	125	884	3610	289	2820
2	857	80	185	2310	120	748	4090	384	4240
3	707	78	149	1960	124	656	3830	161	1660
4	659	96	171	1770	105	502	4030	420	4570
5	1360	848	3110	1640	99	438	4860	560	7350
6	1250	737	2490	1490	110	443	4770	272	3500
7	1720	816	3790	1250	108	364	5610	463	7010
8	4980	1410	19000	1010	107	292	5060	183	2500
9	4520	469	5720	771	92	192	4960	342	4580
10	3730	341	3430	753	238	484	5150	317	4410
11	3480	248	2330	476	460	591	4140	183	2050
12	3200	186	1610	462	226	282	2820	187	1420
13	2640	157	1120	380	162	166	2190	186	1100
14	1960	155	820	346	111	104	2680	200	1450
15	1470	133	528	5330	3000	43200	3000	207	1680
16	1410	109	415	8000	1420	30700	3090	202	1690
17	1550	104	435	5830	697	11000	3080	197	1640
18	1500	101	409	3050	582	4790	3060	210	1740
19	1490	95	382	1260	379	1290	3030	211	1730
20	2710	712	5210	1540	458	1900	2930	224	1770
21	4590	719	8910	2940	526	4180	2670	254	1830
22	3540	240	2290	3530	332	3160	2500	288	1940
23	2720	158	1160	3710	245	2450	2320	324	2030
24	3170	174	1490	3860	246	2560	2470	354	2360
25	3380	164	1500	4600	441	5480	1990	292	1570
26	3410	156	1440	4180	228	2570	1630	320	1410
27	3420	143	1320	3700	182	1820	1440	294	1140
28	3390	166	1520	3530	162	1540	1380	255	950
29	3250	146	1280	3580	162	1570	1320	322	1150
30	2850	130	1000	3590	146	1420	1200	355	1150
31	---	---	---	3600	169	1640	---	---	---
TOTAL	76033	---	73525	83068	---	127416	94910	---	74440

ST. FRANCIS RIVER BASIN

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

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		JULY			AUGUST			SEPTEMBER	
1	1110	404	1210	258	120	84	152	183	75
2	1050	430	1220	278	138	104	140	230	87
3	840	441	1000	446	180	217	141	238	91
4	823	430	956	482	207	269	148	267	107
5	559	349	527	439	210	249	289	600	468
6	370	268	268	326	165	145	165	572	255
7	314	217	184	214	174	101	125	276	93
8	299	238	192	174	206	97	108	191	56
9	341	328	302	231	191	119	97	194	51
10	396	293	313	274	398	294	101	228	62
11	407	289	318	498	419	563	107	266	77
12	434	343	402	472	448	571	112	258	78
13	624	764	1290	508	323	443	109	210	62
14	556	729	1090	552	305	455	99	204	55
15	609	514	845	482	299	389	90	216	52
16	1190	1260	4050	563	1020	1550	88	260	62
17	1230	594	1970	722	1700	3310	90	231	56
18	694	291	545	371	395	396	97	202	53
19	471	255	324	309	272	227	98	198	52
20	399	177	191	483	365	476	96	190	49
21	371	156	156	368	239	237	91	133	33
22	343	63	58	235	263	167	86	216	50
23	330	93	83	239	239	154	82	200	44
24	293	135	107	223	269	162	80	206	44
25	205	120	66	170	209	96	251	306	207
26	181	57	28	138	179	67	670	1030	1860
27	242	60	39	136	213	78	771	684	1420
28	268	99	72	151	248	101	669	544	983
29	218	108	64	154	284	118	430	294	341
30	220	135	80	155	216	90	303	240	196
31	306	78	64	157	194	82	---	---	---
TOTAL	15693	---	18014	10208	---	11411	5885	---	7119

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 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE (DEG C) (00010)	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)
NOV, 1985											
18...	1130	80513	80513	67	14.78	3320	.15	12.0	328	2940	100
DEC											
16...	1200	80513	80513	67	16.07	3780	.15	2.5	228	2330	--
16...	1230	80513	80513	68	--	313	.15	3.0	157	133	--
JAN, 1986											
21...	1200	80513	80513	67	12.90	2520	.30	3.0	104	708	--
FEB											
18...	1200	80513	80513	67	13.16	2640	.06	4.0	193	1380	--
MAR											
17...	1200	80513	80513	67	14.67	3320	.15	9.5	267	2390	--
17...	1230	80513	80513	68	--	440	.15	10.0	74	88	--
APR											
21...	1200	80513	80513	67	16.08	4130	.10	12.0	762	8500	--
21...	1230	80513	80513	68	--	640	.10	12.0	600	1040	--
MAY											
19...	1130	80513	80513	67	10.08	1380	.10	18.0	492	1830	--
JUN											
16...	1245	80513	80513	67	13.88	3020	.20	27.0	207	1690	--
		SFD. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SFD. 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, 1985											
18...	1130	99	98	76	69	100	99	96	60	0	0
DEC											
16...	1200	100	93	59	49	--	100	97	49	1	1
16...	1230	100	97	94	82	--	--	--	100	92	59
JAN, 1986											
21...	1200	100	96	74	69	--	100	96	43	1	1
FEB											
18...	1200	100	98	84	80	--	100	96	55	1	1
MAR											
17...	1200	100	98	77	70	--	100	92	46	1	1
17...	1230	--	100	98	88	--	--	100	99	99	91
APR											
21...	1200	--	100	95	91	--	100	98	74	1	1
21...	1230	--	100	99	99	--	--	--	100	99	75
MAY											
19...	1130	--	--	100	97	--	100	94	55	1	1
JUN											
16...	1245	100	98	89	82	100	99	87	43	2	2

ST. FRANCIS RIVER BASIN

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 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE (DEG C) (00010)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE SUS- PENDE (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
NOV, 1985											
19...	1030	80513	80513	67	14.55	2600	.15	13.0	228	1600	100
19...	1100	80513	80513	68	--	540	.61	13.5	144	210	--
DEC											
17...	1030	80513	80513	67	14.85	3630	.15	3.0	132	1290	100
17...	1100	80513	80513	68	--	736	.15	3.0	219	435	100
JAN, 1986											
22...	1130	80513	80513	67	13.90	2560	.30	4.0	86	594	100
22...	1200	80513	80513	68	--	182	.61	4.5	46	23	100
FEB											
19...	1100	80513	80513	67	13.73	2340	.12	5.0	120	758	--
19...	1130	80513	80513	68	--	221	.30	7.0	90	54	100
MAR											
18...	1000	80513	80513	67	14.24	3020	.15	10.0	181	1480	100
18...	1030	80513	80513	68	--	716	.15	10.0	219	423	100
APR											
22...	1130	80513	80513	67	14.74	2980	.10	12.0	391	3150	100
22...	1200	80513	80513	68	--	905	.10	12.0	365	892	100
MAY											
20...	1030	80513	80513	67	12.19	1200	.10	17.0	348	1130	--
20...	1100	80513	80513	68	--	196	.10	17.0	287	152	--
JUN											
17...	1045	80513	80513	67	14.18	2740	.20	28.0	97	718	--
17...	1115	80513	80513	68	--	263	.20	26.5	115	82	--

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, 1985										
19...	1030	99	97	96	100	99	90	50	0	0
19...	1100	100	99	99	100	99	87	64	34	22
DEC										
17...	1030	96	78	73	100	98	93	56	1	1
17...	1100	94	84	68	--	--	100	99	98	94
JAN, 1986										
22...	1130	98	96	94	100	99	87	46	0	0
22...	1200	93	79	74	--	100	98	92	44	17
FEB										
19...	1100	100	99	92	--	--	77	17	0	0
19...	1130	99	98	91	100	99	96	62	4	2
MAR										
18...	1000	99	96	94	100	99	87	26	1	1
18...	1030	95	92	83	--	100	99	72	1	1
APR										
22...	1130	99	97	94	100	97	89	40	0	0
22...	1200	99	99	97	--	--	100	93	36	16
MAY										
20...	1030	--	100	99	100	98	71	10	1	1
20...	1100	--	--	100	--	100	98	75	17	11
JUN										
17...	1045	100	97	94	100	99	90	30	0	0
17...	1115	100	93	81	--	100	99	97	76	39

ST. FRANCIS RIVER BASIN

07040450 ST. FRANCIS RIVER AT LAKE CITY. ARK.

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

DRAINAGE AREA.--2,374 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE (DEG C) (00010)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
OCT, 1985										
16...	0830	80513	80513	67	2.47	475	.24	17.5	250	762
NOV										
19...	1300	80513	80513	67	5.52	1290	.15	15.0	296	758
19...	1330	80513	80513	68	--	596	.15	15.0	296	758
DEC										
17...	1300	80513	80513	67	6.84	1590	.15	.0	122	762
17...	1330	80513	80513	68	--	1900	.15	.0	97	762
JAN, 1986										
22...	1400	80513	80513	67	6.55	1490	.30	5.0	185	765
22...	1430	80513	80513	68	--	600	.30	5.0	164	765
FEB										
19...	1300	80513	80513	67	6.45	1550	.06	8.5	164	751
19...	1330	80513	80513	68	--	2420	.06	9.0	157	751
MAR										
18...	1300	80513	80513	67	6.59	1480	.20	10.0	136	750
18...	1330	80513	80513	68	--	3400	.20	10.0	138	750
APR										
22...	1430	80513	80513	67	6.38	1400	.10	12.0	124	762
22...	1500	80513	80513	68	--	2930	.10	13.0	158	762
MAY										
20...	1300	80513	80513	67	7.00	1370	.10	16.5	112	759
20...	1330	80513	80513	68	--	4100	.10	17.0	94	759
JUN										
17...	1315	80513	80513	67	6.39	1260	.20	26.5	170	760
17...	1345	80513	80513	68	--	2780	.20	26.5	155	760
JUL										
22...	0800	80513	80513	67	3.66	795	.20	25.0	237	760
AUG										
27...	0800	80513	80513	67	2.04	360	.20	24.5	288	757
SEP										
17...	0730	80513	80513	67	1.00	243	.20	26.0	322	760
DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH (STAND- ARD UNITS) (00400)	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)	
OCT, 1985										
16...	0830	6.5	68	8.10	53	68	--	100	98	
NOV										
19...	1300	5.8	58	7.80	39	136	--	100	93	
19...	1330	6.8	68	7.70	31	50	--	--	100	
DEC										
17...	1300	12.5	86	8.80	105	451	--	100	96	
17...	1330	12.2	83	7.90	86	441	--	100	98	
JAN, 1986										
22...	1400	11.2	87	8.00	41	165	100	96	94	
22...	1430	11.7	91	8.00	26	42	--	--	100	
FEB										
19...	1300	10.8	94	7.70	60	251	--	100	95	
19...	1330	12.8	112	7.70	43	281	--	--	100	
MAR										
18...	1300	10.1	91	7.30	222	887	--	100	99	
18...	1330	10.6	95	7.30	234	2150	--	--	100	
APR										
22...	1430	8.2	76	7.30	184	696	--	100	99	
22...	1500	8.8	84	7.40	186	1470	--	100	99	
MAY										
20...	1300	6.6	68	7.40	300	1110	--	--	100	
20...	1330	6.8	71	7.40	316	3500	--	--	--	
JUN										
17...	1315	6.5	81	7.40	24	82	--	100	98	
17...	1345	5.7	71	7.60	43	323	--	100	93	
JUL										
22...	0800	5.5	67	7.80	70	150	--	--	100	
AUG										
27...	0800	5.4	65	7.80	67	65	--	--	100	
SEP										
17...	0730	6.4	79	8.00	68	45	--	--	--	

ST. FRANCIS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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, 1985									
16...	0830	97	94	--	100	77	31	2	1
NOV									
19...	1300	84	82	--	100	99	79	3	1
19...	1330	97	89	--	100	97	58	8	6
DEC									
17...	1300	81	76	--	100	99	95	30	9
17...	1330	93	80	--	100	96	31	1	1
JAN, 1986									
22...	1400	91	85	--	100	99	91	7	2
22...	1430	99	98	100	98	91	57	14	9
FEB									
19...	1300	91	84	--	100	99	80	3	2
19...	1330	96	83	--	100	97	60	2	1
MAR									
18...	1300	99	98	--	100	99	58	1	1
18...	1330	98	98	--	100	87	36	3	2
APR									
22...	1430	98	95	--	100	92	46	11	8
22...	1500	99	91	--	100	97	64	9	7
MAY									
20...	1300	98	96	--	100	99	54	1	1
20...	1330	100	98	--	100	98	71	15	13
JUN									
17...	1315	98	96	--	--	100	88	5	1
17...	1345	76	69	--	100	98	79	29	23
JUL									
22...	0800	98	98	--	100	95	27	1	1
AUG									
27...	0800	99	99	--	100	99	69	1	1
SEP									
17...	0730	100	99	--	100	84	55	35	35

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	TRANS-PAR-FENCY (SECCHI DISK) (M) (00078)	TEMPER-ATURE (DEG C) (00010)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)
NOV, 1985									
19...	1500	80513	80513	67	26.30	246	.30	16.5	395
DEC 17...									
17...	1500	80513	80513	67	13.99	357	.30	6.0	409
JAN, 1986									
22...	1530	80513	80513	67	26.87	188	.61	8.5	409
FEB 19...									
19...	1500	80513	80513	67	14.24	398	.30	13.5	402
MAR 18...									
18...	1430	80513	80513	67	26.95	--	--	13.0	405
APR 22...									
22...	1600	80513	80513	67	26.80	111	.30	13.0	409
MAY 20...									
20...	1430	80513	80513	67	27.02	114	.30	17.0	365
JUN 17...									
17...	1500	80513	80513	67	26.91	469	.20	24.5	420

DATE	TIME	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH (STAND-ARD UNITS) (00400)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, SUS-PENDED (MG/L) (80155)	SED. SUSP. FALL. DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL. DIAM. % FINER THAN .250 MM (70344)
NOV, 1985									
19...	1500	757	9.0	93	8.20	162	108	--	100
DEC 17...									
17...	1500	761	9.7	78	7.90	71	68	100	96
JAN, 1986									
22...	1530	767	10.1	86	8.20	92	47	100	98
FEB 19...									
19...	1500	751	10.4	101	8.00	59	63	100	98
MAR 18...									
18...	1430	750	--	--	8.00	--	--	--	--
APR 22...									
22...	1600	762	9.0	85	7.90	67	20	100	98
MAY 20...									
20...	1430	758	6.9	72	7.70	84	26	100	99
JUN 17...									
17...	1500	759	6.3	76	7.70	96	122	--	100

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)
NOV, 1985								
19...	1500	95	82	100	98	85	21	15
DEC 17...								
17...	1500	95	79	100	97	86	16	11
JAN, 1986								
22...	1530	98	93	100	98	84	22	18
FEB 19...								
19...	1500	98	87	100	98	86	19	15
APR 22...								
22...	1600	97	96	100	99	86	11	8
MAY 20...								
20...	1430	99	96	100	99	84	6	4
JUN 17...								
17...	1500	98	94	100	98	88	22	17

ST. FRANCIS RIVER BASIN

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 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMRER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE (DEG C) (00010)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
OCT, 1985										
16...	0930	80513	80513	67	1.97	437	.24	19.0	445	763
NOV										
19...	1545	80513	80513	67	2.89	1940	.15	16.0	330	757
DEC										
18...	0930	80513	80513	67	2.52	1160	.15	.5	316	770
JAN, 1986										
23...	0900	80513	80513	67	2.65	1640	.24	6.0	400	770
FEB										
20...	0830	80513	80513	67	5.50	5150	.06	10.0	197	750
MAR										
19...	0800	80513	80513	67	4.71	4320	.20	10.0	223	754
APR										
23...	0900	80513	80513	67	3.33	3040	.10	13.0	400	764
MAY										
21...	0830	80513	80513	67	10.15	12700	.10	17.5	93	759
JUN										
18...	0900	80513	80513	67	4.78	4100	.20	27.0	240	760
JUL										
22...	1030	80513	80513	67	2.27	638	.20	28.0	419	762
AUG										
27...	1000	80513	80513	67	2.03	368	.20	25.0	395	758
SEP										
17...	1000	80513	80513	67	2.08	329	.20	20.5	425	760

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH (STAND- ARD UNITS) (00400)	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)
OCT, 1985									
16...	0930	7.9	85	8.20	64	76	--	100	98
NOV									
19...	1545	9.0	92	8.10	277	1450	--	100	95
DEC									
18...	0930	12.8	88	7.70	237	742	--	100	99
JAN, 1986									
23...	0900	10.8	86	8.00	98	434	--	100	98
FEB									
20...	0830	9.8	88	7.80	250	3480	--	100	99
MAR									
19...	0800	10.4	93	7.70	349	4070	--	--	100
APR									
23...	0900	9.7	92	8.20	320	2630	--	--	100
MAY									
21...	0830	4.8	50	7.20	452	15500	100	99	98
JUN									
18...	0900	5.5	69	7.40	175	1940	--	--	100
JUL									
22...	1030	7.2	92	8.20	63	109	--	--	--
AUG									
27...	1000	7.5	91	8.10	57	57	--	--	--
SEP									
17...	1000	7.6	85	8.10	49	44	--	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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, 1985									
16...	0930	98	97	--	100	96	59	48	42
NOV									
19...	1545	82	70	--	100	97	48	12	2
DEC									
18...	0930	60	48	--	100	97	49	4	1
JAN, 1986									
23...	0900	98	94	--	100	96	86	46	41
FEB									
20...	0830	93	89	--	100	99	62	2	1
MAR									
19...	0800	99	98	--	100	99	78	3	2
APR									
23...	0900	99	95	--	100	99	87	12	4
MAY									
21...	0830	91	88	--	100	99	78	0	0
JUN									
18...	0900	96	92	--	100	92	35	2	2
JUL									
22...	1030	--	100	--	100	87	37	13	10
AUG									
27...	1000	--	100	--	100	90	29	9	7
SEP									
17...	1000	--	100	100	98	72	62	32	21

ST. FRANCIS RIVER BASIN

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 Tyrone River, and at mile 102.0.

DRAINAGE AREA.--Intermediate. Total drainage area of St. Francis River and St. Francis Bay, 6,475 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
OCT, 1985											
01...	1000	80513	80010	383	412	8.10	17.5	1.2	7.5	79	762
FEB, 1986											
25...	1130	80513	80020	2440	278	8.10	11.0	55	9.9	90	763
JUN											
10...	1100	80513	80020	5370	105	7.40	25.0	360	4.0	49	757
AUG											
26...	1215	80513	80020	598	492	8.30	30.0	24	5.8	77	760
DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	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)
OCT, 1985											
01...	1000	K33	210	200	0	54	16	10	10	.3	2.9
FEB, 1986											
25...	1130	K31	--	130	20	35	9.8	8.1	12	.3	3.0
JUN											
10...	1100	1900	K9800	40	5	11	3.0	2.1	9	.2	3.0
AUG											
26...	1215	K11	220	220	0	61	17	12	10	.4	4.2
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)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
OCT, 1985											
01...	1000	204	21	6.7	.20	16	259	250	.35	--	<.010
FEB, 1986											
25...	1130	108	15	8.2	.10	14	168	160	.23	.49	.020
JUN											
10...	1100	36	9.5	1.8	.20	7.3	61	60	.08	.54	.040
AUG											
26...	1215	226	20	5.7	.20	17	272	280	.37	--	<.010

ST. FRANCIS RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE (DEG C) (00010)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)
NOV, 1985											
19...	1630	80513	80513	67	10.89	2650	.15	15.0	268	757	8.7
DEC											
18...	1130	80513	80513	67	16.05	5600	.15	.0	153	771	13.4
18...	1200	80513	80513	68	--	1720	.15	.0	--	--	--
18...	1230	80513	80513	68	--	152	.15	.0	--	--	--
18...	1300	80513	80513	68	--	254	.15	.0	--	--	--
JAN, 1986											
23...	1130	80513	80513	67	13.94	4920	.30	4.0	199	769	11.5
23...	1230	80513	80513	68	--	875	.30	4.0	--	--	--
23...	1300	80513	80513	68	--	16	.30	4.0	--	--	--
FEB											
20...	1000	80513	80513	67	16.82	6090	.10	9.0	187	750	10.5
20...	1030	80513	80513	68	--	1630	.06	9.0	--	--	--
20...	1100	80513	80513	68	--	43	.06	8.5	--	--	--
20...	1200	80513	80513	68	--	140	.06	9.0	--	--	--
MAR											
19...	1000	80513	80513	67	17.02	6350	.20	11.0	174	756	10.6
19...	1030	80513	80513	68	--	1750	.15	11.0	--	--	--
19...	1100	80513	80513	68	--	116	.15	9.0	--	--	--
19...	1130	80513	80513	68	--	166	.15	10.0	--	--	--
APR											
23...	1030	80513	80513	67	12.78	5060	.20	12.0	230	764	9.8
23...	1100	80513	80513	68	--	620	.15	12.0	--	--	--
MAY											
21...	1030	80513	80513	67	19.69	9610	.10	16.5	165	759	5.8
21...	1100	80513	80513	68	--	2930	.10	16.5	--	--	--
21...	1130	80513	80513	68	--	112	.10	15.5	--	--	--
21...	1200	80513	80513	68	--	127	.10	17.5	--	--	--
JUN											
18...	1330	80513	80513	67	19.18	7520	.20	25.5	180	761	4.7
18...	1400	80513	80513	68	--	2670	.20	26.0	--	--	--
18...	1430	80513	80513	68	--	191	.20	24.5	--	--	--
18...	1500	80513	80513	68	--	122	.20	27.0	--	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH (STAND- ARD UNITS) (00400)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (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)	BFD MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
NOV, 1985										
19...	1630	87	8.00	71	508	100	90	80	75	--
DEC										
18...	1130	91	7.60	72	1090	100	90	64	58	--
18...	1200	--	--	207	961	100	98	88	85	--
18...	1230	--	--	251	103	100	99	99	99	--
18...	1300	--	--	146	100	100	99	99	99	--
JAN, 1986										
23...	1130	87	8.00	95	1260	100	93	81	79	--
23...	1230	--	--	54	128	100	96	93	85	--
23...	1300	--	--	85	3.7	100	99	98	97	--
FEB										
20...	1000	92	7.80	133	2190	100	98	92	76	--
20...	1030	--	--	140	615	100	98	96	94	--
20...	1100	--	--	142	16	100	99	99	96	--
20...	1200	--	--	181	68	--	100	99	93	100
MAR										
19...	1000	97	7.90	268	4590	100	96	93	92	--
19...	1030	--	--	259	1220	100	98	94	92	--
19...	1100	--	--	411	129	--	--	--	100	--
19...	1130	--	--	364	163	--	--	--	100	--
APR										
23...	1030	91	7.50	154	2100	100	97	90	86	--
23...	1100	--	--	181	303	--	100	98	95	--
MAY										
21...	1030	60	7.30	279	7240	100	98	92	88	--
21...	1100	--	--	262	2070	100	99	94	92	--
21...	1130	--	--	306	93	--	100	99	99	--
21...	1200	--	--	312	107	100	99	97	96	--
JUN										
18...	1330	58	7.20	120	2440	100	96	83	78	--
18...	1400	--	--	107	771	100	98	98	92	--
18...	1430	--	--	89	46	100	94	94	89	--
18...	1500	--	--	97	32	100	95	95	95	--
		RED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	RED 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)	RED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	RED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BFD MAT. FALL DIAM. % FINER THAN .062 MM (80158)
NOV, 1985										
19...	1630	--	--	--	--	100	99	65	12	4
DEC										
18...	1130	--	--	--	--	100	98	96	47	8
18...	1200	--	--	--	--	100	91	8	3	3
18...	1230	--	--	--	100	98	95	72	30	26
18...	1300	--	--	--	100	92	85	37	10	7
JAN, 1986										
23...	1130	--	--	--	--	--	100	95	54	11
23...	1230	--	--	--	--	100	95	18	4	4
23...	1300	--	--	--	100	99	97	90	77	75
FEB										
20...	1000	--	--	--	100	99	76	11	1	1
20...	1030	--	--	--	--	100	92	49	6	6
20...	1100	--	--	--	--	100	96	75	53	48
20...	1200	83	76	72	--	72	68	54	42	40
MAR										
19...	1000	--	--	--	--	100	89	14	1	1
19...	1030	--	--	--	--	100	94	62	4	4
19...	1100	--	--	--	--	100	98	93	85	71
19...	1130	--	--	--	100	99	96	64	22	18
APR										
23...	1030	--	100	64	--	62	24	2	1	1
23...	1100	--	--	--	--	100	97	81	14	12
MAY										
21...	1030	--	--	--	100	97	24	1	1	1
21...	1100	--	--	--	100	99	92	66	30	28
21...	1130	--	--	--	100	99	95	78	60	55
21...	1200	--	--	--	--	100	98	72	4	2
JUN										
18...	1330	--	--	--	--	100	97	33	0	0
18...	1400	--	--	--	--	100	99	86	33	16
18...	1430	--	100	94	--	94	88	70	54	52
18...	1500	100	83	61	--	61	59	51	38	35

ST. FRANCIS RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	TEMPER-ATURE (DEG C) (00010)	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)
NOV, 1985											
20...	0800	80513	80513	67	21.98	2830	.15	13.0	108	825	--
DEC 18...	1430	80513	80513	67	27.19	7380	.15	.0	229	4560	100
JAN, 1986											
23...	1430	80513	80513	67	24.72	5390	.30	5.0	70	1020	--
FEB 20...	1300	80513	80513	67	27.46	7280	.06	9.5	262	5150	100
MAR 19...	1400	80513	80513	67	27.82	7750	.15	11.5	348	7280	--
APR 23...	1300	80513	80513	67	23.24	4200	.10	13.5	137	1550	--
MAY 21...	1300	80513	80513	67	30.09	11300	.10	17.0	388	11800	--
JUN 18...	1430	80513	80513	67	30.69	11200	.20	26.0	178	5380	--

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, 1985										
20...	0800	100	96	92	84	100	97	49	0	0
DEC 18...	1430	99	92	52	44	100	94	46	2	2
JAN, 1986										
23...	1430	100	96	77	73	100	99	76	0	0
FEB 20...	1300	99	85	67	46	100	97	54	1	1
MAR 19...	1400	100	94	84	78	100	99	76	1	1
APR 23...	1300	100	99	97	92	100	99	69	1	1
MAY 21...	1300	100	99	87	77	100	99	62	0	0
JUN 18...	1430	100	89	72	64	100	98	71	2	2

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT, 1985											
01...	1130	80513	80010	--	--	901	--	352	8.30	16.5	9.4
16...	1400	80513	80513	67	8.63	949	.24	400	8.30	19.5	9.0
NOV											
20...	0900	80513	80513	67	11.16	2850	.15	261	8.00	13.0	9.1
DEC											
17...	1200	80513	80020	--	--	8490	--	174	7.50	3.0	--
18...	1600	80513	80513	67	17.49	7970	.15	182	8.00	.0	12.6
JAN, 1986											
23...	1600	80513	80513	67	13.99	5530	.30	225	8.00	5.0	11.0
FEB											
20...	1400	80513	80513	67	16.69	7720	.10	170	7.70	10.0	9.7
MAR											
19...	1500	80513	80513	67	17.34	9340	.20	200	8.00	12.0	8.6
APR											
15...	1145	80513	80020	--	--	6000	--	200	8.00	19.0	7.8
23...	1430	80513	80513	67	12.19	3810	.10	230	8.00	14.0	9.1
MAY											
21...	1400	80513	80513	67	18.73	10600	.10	117	7.50	17.5	6.2
JUN											
10...	1245	80513	80020	--	--	9340	--	170	7.70	25.0	4.8
18...	1600	80513	80513	67	20.21	12000	.20	190	7.50	27.0	8.2
JUL											
22...	1300	80513	80513	67	8.26	993	.20	367	8.40	26.5	8.5
AUG											
26...	1330	80513	80020	--	--	1550	--	405	8.50	31.0	8.0
SEP											
17...	1300	80513	80513	67	8.11	756	.20	431	8.10	22.0	8.5
DATE	TIME	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS (MG/L AS CACO3) (00900)	HARD- NESS, NONCAR- BONATE (MG/L AS 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)
OCT, 1985											
01...	1130	96	764	K11	K70	170	12	45	14	8.6	10
16...	1400	98	765	--	--	--	--	--	--	--	--
NOV											
20...	0900	85	770	--	--	--	--	--	--	--	--
DEC											
17...	1200	--	762	77	4000	70	7	18	6.0	4.1	11
18...	1600	85	771	--	--	--	--	--	--	--	--
JAN, 1986											
23...	1600	85	768	--	--	--	--	--	--	--	--
FEB											
20...	1400	87	750	--	--	--	--	--	--	--	--
MAR											
19...	1500	80	758	--	--	--	--	--	--	--	--
APR											
15...	1145	85	758	K92	310	85	9	22	7.3	4.6	10
23...	1430	88	764	--	--	--	--	--	--	--	--
MAY											
21...	1400	65	759	--	--	--	--	--	--	--	--
JUN											
10...	1245	59	757	180	1400	68	1	18	5.7	3.8	10
18...	1600	103	760	--	--	--	--	--	--	--	--
JUL											
22...	1300	106	762	--	--	--	--	--	--	--	--
AUG											
26...	1330	108	760	K33	K71	170	0	46	13	11	12
SEP											
17...	1300	98	760	--	--	--	--	--	--	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY FIELD (MG/L AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
OCT, 1985											
01...	1130	.3	2.1	157	18	7.4	.20	15	221	210	.30
DEC											
17...	1200	.2	3.3	62	13	5.5	<.10	11	101	99	.14
APR, 1986											
15...	1145	.2	2.3	77	10	4.7	.10	11	119	110	.16
JUN, 1986											
10...	1245	.2	2.5	65	8.9	3.7	.20	9.9	100	94	.14
AUG, 1986											
26...	1330	.4	3.0	169	20	10	.20	15	314	220	.43

DATE	TIME	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	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 AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)
OCT, 1985											
01...	1130	--	<.010	<.10	<.010	<.010	--	.50	.090	.070	20
DEC											
17...	1200	.20	.010	.21	.100	.040	.70	.80	.170	.070	--
APR, 1986											
15...	1145	.30	.020	.32	.070	.030	.83	.90	.190	.050	110
JUN, 1986											
10...	1245	.42	.030	.45	.120	.090	.88	1.0	.330	.110	--
AUG, 1986											
26...	1330	--	<.010	<.10	.050	<.010	.65	.70	.190	.090	--

DATE	TIME	ARSENIC	BARIUM	BERYL-	CADMIUM	CHRO-	COBALT	COPPER	IRON	LEAD
		DIS-	DIS-	LIM-	DIS-	MUM,	DIS-	DIS-	DIS-	DIS-
		SOLVED	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED	SOLVED
		(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L
		AS AS)	AS BA)	AS BE)	AS CD)	AS CR)	AS CO)	AS CU)	AS FE)	AS PB)
		(01000)	(01005)	(01010)	(01025)	(01030)	(01035)	(01040)	(01046)	(01049)

OCT, 1985									
01...	1130	2	190	<.5	<1	<1	<3	2	<3
APR. 1986									
15...	1145	1	110	<.5	<1	<1	<3	4	200

[illegible][illegible]

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)
OCT, 1985										
16...	1400	100	97	96	93	100	97	42	0	0
NOV										
20...	0900	100	95	76	71	100	98	32	0	0
DEC										
18...	1600	100	98	81	71	100	97	46	0	0
JAN, 1986										
23...	1600	100	97	53	44	100	99	74	1	0
FEB										
20...	1400	100	98	77	72	100	98	43	0	0
MAR										
19...	1500	100	92	77	71	100	99	62	1	1
APR										
23...	1430	100	98	79	74	100	98	53	1	1
MAY										
21...	1400	100	99	88	79	100	99	58	1	1
JUN										
18...	1600	100	99	89	77	100	93	40	2	2
JUL										
22...	1300	--	--	98	97	100	96	27	5	3
SEP										
17...	1300	--	100	96	96	100	97	47	1	1

ST. FRANCIS RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	TEMPER-ATURE (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
NOV, 1985											
20...	1100	80513	80513	67	22.42	3260	.15	13.5	180	1580	100
DEC											
19...	0830	80513	80513	67	29.29	7920	.15	.0	173	3700	100
JAN, 1986											
24...	0900	80513	80513	67	24.25	6130	.30	4.0	139	2300	100
FEB											
21...	0830	80513	80513	67	27.68	8140	.06	9.5	167	3670	100
MAR											
20...	0800	80513	80513	67	27.70	9190	.15	10.0	309	7670	100
APR											
24...	0930	80513	80513	67	24.26	6470	.10	12.0	223	3900	100
MAY											
22...	0900	80513	80513	67	29.73	16200	.10	17.5	390	17100	100
JUN											
19...	0930	80513	80513	67	30.05	11200	.20	26.0	188	5690	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, 1985										
20...	1100	99	90	83	100	99	96	54	1	1
DEC										
19...	0830	99	89	76	--	100	79	23	10	9
JAN, 1986										
24...	0900	95	50	40	--	100	95	44	2	1
FEB										
21...	0830	98	89	81	--	100	91	39	3	2
MAR										
20...	0800	98	89	80	--	100	87	9	3	1
APR										
24...	0930	98	88	81	--	100	95	24	6	3
MAY										
22...	0900	97	84	74	--	100	93	40	12	2
JUN										
19...	0930	97	80	70	100	99	85	8	3	1

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE (DEG C) (00010)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	BARO- METRIC PRES- SURE OF (MM HG) (00025)
OCT, 1985										
17...	1000	80513	80513	67	.40	1100	.24	17.0	385	763
NOV										
20...	1330	80513	80513	67	9.44	2760	.15	14.0	292	767
DEC										
19...	1000	80513	80513	67	15.91	8100	.15	.0	171	770
JAN, 1986										
24...	1030	80513	80513	67	7.05	5500	.30	4.0	210	762
FEB										
21...	1000	80513	80513	67	12.70	8250	.06	9.0	194	760
MAR										
20...	0930	80513	80513	67	12.58	8320	.20	10.0	190	767
APR										
24...	1030	80513	80513	67	6.23	4720	.10	13.0	236	763
MAY										
22...	1100	80513	80513	67	12.34	10000	.10	17.5	113	755
JUN										
19...	1100	80513	80513	67	13.97	10800	.20	26.0	160	757
JUL										
23...	0930	80513	80513	67	2.76	859	.20	26.0	369	762
AUG										
28...	0830	80513	80513	67	.66	1370	.20	23.0	365	762
SEP										
18...	0900	80513	80513	67	.00	807	.20	21.0	418	760

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH (STAND- ARD UNITS) (00400)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (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, 1985									
17...	1000	8.0	83	8.20	69	205	--	100	97
NOV									
20...	1330	9.0	87	8.10	167	1240	--	100	99
DEC									
19...	1000	12.8	84	8.00	107	2340	--	100	99
JAN, 1986									
24...	1030	12.6	96	7.90	88	1310	--	100	96
FEB									
21...	1000	10.1	88	7.60	146	3250	--	100	99
MAR									
20...	0930	8.7	77	7.70	268	6020	--	--	100
APR									
24...	1030	9.8	93	7.90	185	2360	100	98	97
MAY									
22...	1100	6.6	70	7.40	348	9400	100	99	99
JUN									
19...	1100	5.5	68	7.50	145	4230	--	100	98
JUL									
23...	0930	6.9	85	8.30	63	146	--	--	--
AUG									
28...	0830	6.9	81	8.40	61	226	--	--	--
SEP									
18...	0900	7.3	82	8.20	61	133	--	--	100

ST. FRANCIS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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, 1985									
17...	1000	96	91	--	100	99	96	14	1
NOV									
20...	1330	91	79	--	100	94	79	19	7
DEC									
19...	1000	98	98	100	99	87	52	2	1
JAN, 1986									
24...	1030	79	67	100	99	88	60	4	1
FEB									
21...	1000	99	94	100	98	50	9	1	1
MAR									
20...	0930	99	97	100	99	90	14	1	1
APR									
24...	1030	94	83	100	98	81	34	3	1
MAY									
22...	1100	91	83	--	100	88	14	1	1
JUN									
19...	1100	94	86	100	99	66	7	1	1
JUL									
23...	0930	97	96	--	100	98	84	28	2
AUG									
28...	0830	100	98	--	100	95	89	36	18
SEP									
18...	0900	99	98	--	--	100	92	33	2

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 mi².

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.--Estimated daily discharges: Oct. 3-16, 18. Water-discharge records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--16 years, 747 ft³/s, 18.96 in/yr, 541,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,000 ft³/s Dec. 9, 1978, gage height, 15.81 ft, from rating curve extended above 6,100 ft³/s; minimum, 0.99 ft³/s July 20, 1980, gage height, 2.18 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,040 ft³/s Dec. 2, gage height, 14.01 ft; minimum daily, 8.5 ft³/s, Oct. 16, 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	21	339	3370	63	40	221	194	82	449	40	116	227		
2	19	321	3930	65	46	197	140	120	399	94	141	228		
3	18	324	3880	56	51	170	97	87	350	85	157	215		
4	17	351	3550	48	347	132	65	78	344	50	134	199		
5	15	355	2990	44	530	99	576	67	407	38	126	181		
6	14	336	2530	40	727	76	950	53	574	34	124	157		
7	13	300	2140	37	1090	64	1780	41	683	28	119	129		
8	12	247	1850	36	1360	61	2660	35	736	23	115	106		
9	12	188	1600	34	1370	65	2380	31	772	20	151	81		
10	11	127	1380	32	1270	71	1920	29	804	19	147	62		
11	10	70	1390	31	1090	88	1550	38	1220	18	164	50		
12	10	40	1400	31	948	2130	1230	105	2000	18	184	41		
13	9.5	26	1300	27	840	2560	986	206	1950	18	191	35		
14	9.0	15	1270	27	766	3060	862	349	1740	18	193	29		
15	9.0	14	1170	29	718	3080	766	456	1480	18	189	27		
16	8.5	46	1010	27	662	2500	682	470	1200	18	218	25		
17	8.5	119	880	25	632	1930	602	448	964	18	264	25		
18	15	187	780	33	634	1580	527	424	803	18	230	27		
19	49	258	713	45	629	1340	456	404	687	20	227	42		
20	67	289	649	49	612	1110	412	379	582	23	223	32		
21	54	292	592	50	579	970	351	356	493	26	217	29		
22	49	282	537	48	534	871	292	353	419	23	218	29		
23	46	266	474	48	479	773	226	354	342	23	222	34		
24	51	244	407	52	429	695	161	338	265	22	220	39		
25	52	218	334	58	376	623	108	322	183	27	216	39		
26	45	195	273	65	327	556	78	390	122	30	211	38		
27	33	440	196	60	286	491	64	414	108	31	211	32		
28	22	635	138	52	258	434	185	423	95	37	241	26		
29	18	913	101	47	---	372	155	466	71	57	223	21		
30	18	2050	80	42	---	312	88	487	51	76	213	17		
31	166	---	72	39	---	253	---	479	---	83	220	---		
TOTAL	901.5	9487	40986	1340	17630	26884	20543	8284	20293	1053	5825	2222		
MEAN	29.1	316	1322	43.2	630	867	685	267	676	34.0	188	74.1		
MAX	166	2050	3930	65	1370	3080	2660	487	2000	94	264	228		
MIN	8.5	14	72	25	40	61	64	29	51	18	115	17		
CFSM	.05	.59	2.47	.08	1.18	1.62	1.28	.50	1.26	.06	.35	.14		
IN.	.06	.66	2.85	.09	1.23	1.87	1.43	.58	1.41	.07	.41	.15		
AC-FT	1790	18820	81300	2660	34970	53320	40750	16430	40250	2090	11550	4410		
CAL YR 1985	TOTAL	188360.5	MEAN	516	MAX	3930	MIN	8.5	CFSM	.96	IN.	13.10	AC-FT	373600
WTR YR 1986	TOTAL	155448.5	MEAN	426	MAX	3930	MIN	8.5	CFSM	.80	IN.	10.81	AC-FT	308300

ST. FRANCIS RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FT ABOVE DATUM) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT, 1985											
01...	1500	80513	80010	--	--	21	--	430	8.00	16.5	6.4
NOV											
20...	1530	80513	80513	67	7.80	292	.15	230	7.50	13.0	5.7
DEC											
17...	1000	80513	80020	--	--	767	--	135	7.20	3.0	--
19...	1200	80513	80513	67	10.87	678	.15	142	7.80	-1.0	11.6
JAN, 1986											
24...	1200	80513	80513	67	3.49	53	.15	218	7.90	4.0	10.8
FEB											
21...	1130	80513	80513	67	10.30	583	.06	130	7.30	9.5	7.8
25...	0930	80513	80020	--	--	358	--	172	7.40	10.0	8.2
MAR											
20...	1030	80513	80513	67	12.26	1210	.20	86	7.20	9.5	6.8
APR											
15...	1015	80513	80020	--	--	860	--	108	7.30	18.0	4.4
24...	0800	80513	80513	67	6.25	192	.10	125	7.30	13.5	6.6
MAY											
22...	0815	80513	80513	67	8.36	333	.10	109	7.40	17.0	5.7
JUN											
10...	0930	80513	80020	--	--	805	--	185	7.10	25.5	3.2
19...	0815	80513	80513	67	10.90	626	.20	198	7.20	26.0	3.4
AUG											
26...	0930	80513	80020	--	--	212	--	487	8.00	28.0	4.0
28...	1000	80513	80513	67	7.07	247	.20	440	7.80	23.0	4.8
SEP											
18...	1100	80513	80513	67	3.03	30	.30	585	8.00	21.0	5.1

DATE	TIME	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOC- CI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	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)
OCT, 1985											
01...	1500	66	762	340	440	160	0	37	16	20	21
NOV											
20...	1530	54	767	--	--	--	--	--	--	--	--
DEC											
17...	1000	--	762	180	>1200	47	5	12	4.2	6.0	20
19...	1200	76	769	--	--	--	--	--	--	--	--
JAN, 1986											
24...	1200	82	762	--	--	--	--	--	--	--	--
FEB											
21...	1130	68	760	--	--	--	--	--	--	--	--
25...	0930	73	761	240	--	51	7	13	4.6	6.6	20
MAR											
20...	1030	59	767	--	--	--	--	--	--	--	--
APR											
15...	1015	47	758	K150	1100	32	0	8.2	2.7	3.2	16
24...	0800	63	762	--	--	--	--	--	--	--	--
MAY											
22...	0815	60	755	--	--	--	--	--	--	--	--
JUN											
10...	0930	39	757	610	4200	64	0	16	5.8	7.9	20
19...	0815	42	759	--	--	--	--	--	--	--	--
AUG											
26...	0930	51	759	K120	1200	190	0	46	19	21	19
28...	1000	56	762	--	--	--	--	--	--	--	--
SEP											
18...	1100	57	760	--	--	--	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

[illegible]

ST. FRANCIS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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 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, 1985											
20...	1530	--	--	--	100	--	--	100	99	99	97
DEC, 1985											
19...	1200	100	98	97	97	--	100	99	99	99	98
JAN, 1986											
24...	1200	--	100	99	99	--	100	99	99	98	97
FEB											
21...	1130	100	98	98	97	--	100	99	98	97	96
MAR											
20...	1030	--	100	99	98	--	100	99	98	97	95
APR											
24...	0800	100	99	99	99	100	99	98	96	94	92
MAY											
22...	0815	--	--	--	100	--	100	98	96	95	93
JUN											
19...	0815	100	97	97	96	--	100	99	99	99	96
AUG											
28...	1000	--	--	--	100	--	--	100	99	99	97
SEP											
18...	1100	--	100	99	99	--	--	100	99	97	93

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985										
15...	1215	9827	9827	--	7.78	21.0	5.0	<1.0	--	80
NOV										
19...	1025	9827	9827	10	7.32	20.0	15	--	1.9	240
DEC										
16...	1120	9827	9827	106	7.24	4.0	70	10.1	3.3	90
JAN, 1986										
28...	1053	9827	9827	3.0	7.53	4.0	50	12.5	2.2	4
FEB										
25...	1035	9827	9827	5.0	7.32	9.0	140	8.5	1.8	120
MAR										
25...	1235	9827	9827	164	6.98	--	200	5.2	.6	100
APR										
22...	1300	9827	9827	18	--	16.0	110	5.9	3.3	210
MAY										
27...	1200	9827	9827	110	7.16	24.0	210	6.0	3.1	1100
JUN										
17...	1200	9827	9827	150	6.97	27.0	--	3.1	2.5	110
JUL										
08...	1345	9827	9827	2.0	7.35	32.0	--	6.7	--	100
AUG										
26...	1200	9827	9827	--	7.62	29.0	15	4.7	1.4	210
SEP										
23...	1445	9827	9827	--	--	26.0	15	6.8	2.7	96

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985									
15...	1215	180	8.0	44	299	10	.05	.570	.210
NOV									
19...	1025	88	10	27	--	8	.11	.040	--
DEC									
16...	1120	46	9.0	12	150	22	.14	.100	.240
JAN, 1986									
28...	1053	62	11	16	146	28	.05	.150	.140
FEB									
25...	1035	48	15	12	246	46	.20	.210	.300
MAR									
25...	1235	48	15	9.0	316	--	.19	.280	.500
APR									
22...	1300	54	11	8.5	197	91	.19	.260	.420
MAY									
27...	1200	54	13	10	199	126	.33	.170	.340
JUN									
17...	1200	52	8.0	7.5	--	--	--	.060	--
JUL									
08...	1345	78	7.0	15	155	--	.33	.100	.140
AUG									
26...	1200	180	5.0	36	258	29	.10	.060	.160
SEP									
23...	1445	130	8.0	--	200	--	.07	.040	.130

ST. FRANCIS RIVER BASIN

07047947 SECOND CREEK NEAR PALESTINE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
15...	1215	.120	5	<1	--	16	6	--	20
NOV									
19...	1025	.120	--	<1	4	<15	2	--	10
DEC									
16...	1120	.150	--	<1	--	<15	9	--	30
JAN, 1986									
28...	1053	.080	2	--	--	<15	5	<.50	--
FEB									
25...	1035	.220	--	<1	5	<15	10	--	10
MAR									
25...	1235	.280	--	<1	5	<15	11	--	10
APR									
22...	1300	.250	10	<1	4	<15	4	--	10
MAY									
27...	1200	.180	--	<1	6	<15	4	--	10
JUN									
17...	1200	--	--	<1	3	<15	2	--	20
JUL									
08...	1345	.090	3	<1	--	<15	--	--	<10
AUG									
26...	1200	.060	--	<1	<1	<15	2	--	<10
SEP									
23...	1445	.070	--	<1	1	<15	--	--	<10

DATE	TIME	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	BETA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (39338)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)
OCT, 1985									
15...	1215	<.002	<.01	<.01	--	<.002	<.01	<.01	<.01
FEB, 1986									
25...	1035	<.002	<.01	<.01	--	<.002	<.01	<.01	<.01
MAR									
25...	1235	<.002	<.01	<.01	<.01	<.002	<.01	<.01	<.01
MAY									
27...	1200	<.002	<.01	<.01	--	<.002	<.01	<.01	<.01
JUL									
08...	1345	<.002	<.01	<.01	--	<.002	<.01	<.01	<.01

DATE	TIME	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
OCT, 1985									
15...	1215	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
FEB, 1986									
25...	1035	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
MAR									
25...	1235	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
MAY									
27...	1200	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
JUL									
08...	1345	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARD-NESS (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT, 1985											
15...	1330	9827	9827	7.78	22.0	25	7.2	--	110	310	37
NOV											
19...	1130	9827	9827	7.88	19.0	15	--	2.0	110	130	21
DEC											
16...	1220	9827	9827	7.06	6.0	80	8.5	1.7	120	30	12
JAN, 1986											
28...	1155	9827	9827	7.49	7.0	25	9.7	3.4	430	160	21
FEB											
25...	1150	9827	9827	7.24	11.0	90	9.0	3.1	--	50	16
MAR											
25...	1610	9827	9827	7.08	19.0	140	8.4	2.6	420	36	16
APR											
22...	1628	9827	9827	7.35	16.0	120	7.1	2.6	300	54	12
MAY											
27...	1320	9827	9827	7.29	25.0	120	6.9	3.7	620	48	14
JUN											
17...	1245	9827	9827	7.15	27.0	--	6.2	3.0	170	56	11
JUL											
08...	1500	9827	9827	8.45	31.0	--	16.5	--	--	120	14
AUG											
26...	1745	9827	9827	7.83	29.0	30	8.6	3.9	16	200	14
SEP											
24...	0800	9827	9827	--	25.0	30	7.5	2.7	52	260	21
DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT, 1985											
15...	1330	14	391	47	.06	.050	.230	.080	5	<1	--
NOV											
19...	1130	8.0	--	11	.03	.040	--	.080	--	<1	4
DEC											
16...	1220	6.0	128	19	.25	.090	.270	.200	--	<1	--
JAN, 1986											
28...	1155	15	236	26	.54	.400	.160	.040	3	--	--
FEB											
25...	1150	11	181	36	.18	.110	.250	.170	--	<1	6
MAR											
25...	1610	6.5	210	--	.20	.120	.310	.220	--	<1	8
APR											
22...	1628	5.0	159	166	.20	.170	.460	.200	--	<1	8
MAY											
27...	1320	6.5	182	48	.39	.110	.390	.190	--	<1	6
JUN											
17...	1245	7.0	--	--	--	.050	--	--	--	<1	4
JUL											
08...	1500	13	183	--	.06	.020	.260	.060	6	<1	--
AUG											
26...	1745	28	283	66	.20	.070	.220	.110	--	<1	1
SEP											
24...	0800	--	341	--	.10	.040	.250	.090	--	<1	1

ST. FRANCIS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	BETA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (39338)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)
OCT, 1985											
15...	1330	<15	3	--	<10	<.002	<.01	<.01	<.002	<.01	<.01
NOV											
19...	1130	<15	2	--	<10	--	--	--	--	--	--
DEC											
16...	1220	<15	5	--	30	--	--	--	--	--	--
JAN, 1986											
28...	1155	<15	6	<.50	--	<.002	<.01	<.01	<.002	<.01	<.01
FEB											
25...	1150	<15	6	--	20	--	--	--	--	--	--
MAR											
25...	1610	<15	11	--	10	--	--	--	--	--	--
APR											
22...	1628	<15	9	--	20	--	--	--	--	--	--
MAY											
27...	1320	<15	6	--	<10	<.002	<.01	<.01	<.002	<.01	<.01
JUN											
17...	1245	<15	5	--	10	--	--	--	--	--	--
JUL											
08...	1500	<15	--	--	<10	<.002	<.01	<.01	<.002	<.01	<.01
AUG											
26...	1745	<15	4	--	<10	--	--	--	--	--	--
SEP											
24...	0800	<15	--	--	<10	--	--	--	--	--	--

DATE	TIME	P,P' DDT, TOTAL (UG/L) (39300)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
OCT, 1985										
15...	1330	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
JAN, 1986										
28...	1155	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
MAY										
27...	1320	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
JUL										
08...	1500	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
22...	1209	9827	9827	--	7.68	19.0	25	7.6	.8
NOV									
12...	1411	9827	9827	--	7.80	15.0	7.0	8.5	3.6
DEC									
10...	1023	9827	9827	--	7.83	10.0	200	10.1	4.8
JAN, 1986									
28...	1158	9827	9827	--	7.81	4.0	4.0	13.5	.8
MAR									
25...	1236	9827	9827	89	7.77	15.0	10	10.3	.8
APR									
22...	1214	9827	9827	326	7.42	14.5	20	10.0	.6
MAY									
27...	1351	9827	9827	72	7.68	20.0	15	7.6	.8
JUN									
24...	1208	9827	9827	8.0	7.70	28.0	15	6.5	2.2
JUL									
29...	1302	9827	9827	.30	7.65	33.0	10	5.6	2.5
AUG									
12...	1153	9827	9827	43	8.18	25.0	5.0	8.7	2.2
SEP									
23...	1546	9827	9827	24	7.91	26.0	20	7.0	.8
DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
22...	1209	--	96	27	5.0	144	24	.59	.040
NOV									
12...	1411	72	120	32	7.5	154	12	.20	.040
DEC									
10...	1023	6300	66	12	5.5	129	257	.54	.240
JAN, 1986									
28...	1158	<4	78	22	6.0	105	6	.22	--
MAR									
25...	1236	20	60	16	6.5	91	20	.30	.030
APR									
22...	1214	200	52	12	3.5	100	16	.36	.070
MAY									
27...	1351	510	74	17	5.5	110	28	.40	.020
JUN									
24...	1208	160	110	--	--	139	28	.20	--
JUL									
29...	1302	800	130	22	9.5	179	68	.33	.200
AUG									
12...	1153	410	80	17	4.5	122	56	.98	.090
SEP									
23...	1546	150	96	18	4.5	126	23	.60	.010

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
22...	1209	--	.050	<1	--	<15	2	--	70
NOV									
12...	1411	.110	.060	1	1	<15	1	--	80
DEC									
10...	1023	.420	.160	1	6	--	18	--	170
JAN, 1986									
28...	1158	.030	.030	1	3	<15	17	.50	50
MAR									
25...	1236	.100	.080	1	2	<15	15	--	10
APR									
22...	1214	.050	.040	1	2	16	4	--	10
MAY									
27...	1351	.060	--	<1	2	30	4	--	10
JUN									
24...	1208	.170	.070	2	2	18	12	--	10
JUL									
29...	1302	.350	.400	7	3	36	36	--	40
AUG									
12...	1153	.110	.100	1	5	<15	3	--	10
SEP									
23...	1546	.060	.040	<1	2	<15	4	--	<10

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 mi².

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

REVISED RECORDS.--WRD Ark. 1973: Drainage area. WRD Ark. 1974: 1966(M), 1972(M). WRD Ark. 1985: 1966(M), 1968-69(M), 1971-73(M).

GAGE.--Water-stage recorder. Datum of gage is 1,138.25 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges: Water-discharge records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--23 years, 533 ft³/s, 18.10 in/yr, 386,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,600 ft³/s Nov. 19, 1985, gage height, 30.45 ft, from rating curve extended above 35,400 ft³/s; minimum, 0.10 ft³/s Oct. 3, 1982, gage height, 0.92 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 19	0700	*81,600	*30.45	Apr. 8	1400	10,100	15.35
Apr. 4	2400	11,500	16.33				

Minimum discharge, 3.8 ft³/s July 21, 22, 31, Aug. 1, 2, 5, gage height 1.06 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	17	84	3410	212	76	245	210	839	390	31	3.8	7.5		
2	14	74	1860	199	78	229	311	772	337	29	13	8.3		
3	12	68	1380	188	85	214	486	557	334	25	8.3	8.6		
4	12	63	1120	167	93	199	3830	464	213	25	4.7	10		
5	12	62	922	156	163	182	5910	400	193	21	3.9	10		
6	11	57	745	144	947	171	2230	360	235	12	172	7.7		
7	10	52	618	133	1170	157	1670	321	381	11	78	6.3		
8	11	60	531	126	984	145	6580	279	764	12	48	5.6		
9	11	45	476	121	826	143	2660	241	603	10	163	7.3		
10	11	37	2560	116	704	147	1740	235	335	10	617	8.1		
11	19	45	3290	114	601	212	1340	220	390	8.3	456	169		
12	12	56	1890	109	521	3260	1100	188	325	13	245	226		
13	12	51	1430	106	468	1460	915	150	253	9.8	145	74		
14	209	44	1090	103	509	1040	953	138	201	9.9	101	41		
15	327	2680	956	101	528	823	850	1320	152	6.2	88	1650		
16	145	2340	894	99	730	675	674	741	125	5.4	94	1640		
17	97	990	780	95	755	579	582	903	108	4.9	65	1890		
18	544	6860	671	106	654	696	553	1110	93	4.3	48	1180		
19	850	48000	562	112	576	823	889	826	80	4.0	37	493		
20	431	5550	504	114	508	567	5060	597	69	4.0	31	321		
21	291	2350	458	109	458	476	2680	469	60	3.9	25	233		
22	217	1590	433	103	415	426	1680	390	52	4.7	20	176		
23	167	1180	410	100	383	393	1270	330	52	5.0	18	132		
24	131	943	375	92	356	364	1030	293	44	6.5	16	110		
25	115	768	333	89	331	331	838	368	43	5.4	14	88		
26	99	837	292	83	307	305	673	310	38	4.7	13	73		
27	88	3770	277	85	287	289	635	253	29	4.5	12	80		
28	80	2590	261	81	267	267	1360	221	110	4.1	13	70		
29	93	1660	247	78	---	249	847	182	61	4.0	10	276		
30	81	1320	234	79	---	235	651	147	41	4.0	9.0	6820		
31	90	---	224	78	---	218	---	152	---	3.9	7.6	---		
TOTAL	4219	84226	29233	3598	13780	15520	50207	13776	6111	306.5	2579.3	15821.4		
MEAN	136	2808	943	116	492	501	1674	444	204	9.89	83.2	527		
MAX	850	48000	3410	212	1170	3260	6580	1320	764	31	617	6820		
MIN	10	37	224	78	76	143	210	138	29	3.9	3.8	5.6		
CFSM	.34	7.02	2.36	.29	1.23	1.25	4.18	1.11	.51	.02	.21	1.32		
IN.	.39	7.83	2.72	.33	1.28	1.44	4.67	1.28	.57	.03	.24	1.47		
AC-FT	8370	167100	57980	7140	27330	30780	99590	27320	12120	608	5120	31380		
CAL YR 1985	TOTAL	302555.1	MEAN	829	MAX	48000	MIN	5.6	CFSM	2.07	IN.	28.14	AC-FT	600100
WTR YR 1986	TOTAL	239377.2	MEAN	656	MAX	48000	MIN	3.8	CFSM	1.64	IN.	22.26	AC-FT	474800

WHITE RIVER BASIN

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	TRAN-SPAR-ENCY (SECCHI DISK) (M) (00078)
OCT, 1985										
22...	0810	9827	9827	235	--	7.50	13.0	--	20	--
NOV										
12...	0820	9827	9827	63	--	--	15.0	--	15	--
DEC										
10...	0930	9827	9827	4340	--	7.48	8.0	--	100	--
18...	1330	80513	80513	--	--	--	--	--	--	.91
18...	1331	80513	80020	--	--	--	--	--	--	--
18...	1335	80513	80020	--	98	7.40	4.0	15	11	--
JAN, 1986										
28...	0740	9827	9827	91	--	7.53	2.0	--	8.0	--
FEB										
25...	0800	9827	9827	343	--	7.55	8.0	--	9.0	--
MAR										
25...	0740	9827	9827	349	--	7.45	13.0	--	10	--
APR										
22...	1100	9827	9827	1720	--	7.42	13.0	--	30	--
MAY										
05...	1130	80513	80020	--	--	--	--	--	--	.61
05...	1131	80513	80020	--	--	--	--	--	--	--
05...	1135	80513	80020	--	90	6.40	19.0	30	12	--
27...	0800	9827	9827	268	--	7.41	20.0	--	20	--
JUN										
24...	0830	9827	9827	54	--	7.38	28.0	--	15	--
JUL										
29...	0735	9827	9827	11	--	7.70	30.0	--	15	--
AUG										
05...	0800	80513	80020	--	--	--	--	--	--	.30
05...	0801	80513	80020	--	--	--	--	--	--	--
05...	0805	80513	80020	--	387	7.30	26.0	30	12	--
26...	0850	9827	9827	22	--	7.50	27.0	--	20	--
SEP										
23...	0830	9827	9827	146	--	7.04	25.0	--	40	--
DATE	TIME	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, UM-MF (COLS./100 ML) (31625)	COLI-FORM, FECAL, UM-MF (COLS./100 ML) (31616)	HARD-NESS (MG/L AS CACO3) (00900)	ALKA-LINITY FIELD AS CACO3 (MG/L) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
OCT, 1985										
22...	0810	7.0	3.4	--	40	76	--	23	7.0	109
NOV										
12...	0820	7.3	3.8	--	32	86	--	24	14	141
DEC										
10...	0930	10.5	4.0	--	2400	64	--	12	5.5	93
18...	1330	--	--	0	--	--	--	--	--	--
18...	1335	12.8	1.2	--	--	42	34	--	--	--
JAN, 1986										
28...	0740	11.9	2.3	--	<4	62	--	16	8.0	94
FEB										
25...	0800	10.6	3.2	--	<4	46	--	13	6.5	76
MAR										
25...	0740	9.4	5.8	--	20	54	--	12	6.0	80
APR										
22...	1100	9.8	3.1	--	72	38	--	6.0	3.5	86
MAY										
05...	1130	--	--	71	--	--	--	--	--	--
05...	1135	7.7	1.8	--	--	38	32	--	--	--
27...	0800	6.8	3.9	--	48	44	--	13	4.5	79
JUN										
24...	0830	5.1	3.8	--	28	62	--	--	--	106
JUL										
29...	0735	5.5	<5.5	--	52	130	--	30	43	256
AUG										
05...	0800	--	--	33	--	--	--	--	--	--
05...	0805	3.6	3.9	--	--	110	56	--	--	--
26...	0850	3.4	5.2	--	150	90	--	19	--	157
SEP										
23...	0830	3.8	5.6	--	130	68	--	14	5.0	113

07048700 WHITE RIVER NEAR GOSHEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SOLIDS, RESIDUE AT 105 DEG. C. SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)
OCT, 1985										
22...	0810	25	.55	.140	--	.310	--	--	<1	--
NOV										
12...	0820	12	>1.0	.090	1.60	>1.00	--	--	2	1
DEC										
10...	0930	118	.71	.100	.250	.110	--	--	5	3
18...	1335	--	.40	--	.070	.020	520	<1	--	<10
JAN, 1986										
28...	0740	12	.72	--	.630	.510	--	--	<1	2
FEB										
25...	0800	11	.46	.460	.360	.310	--	--	1	3
MAR										
25...	0740	16	.38	.320	.390	.330	--	--	<1	1
APR										
22...	1100	40	.39	.570	.100	.070	--	--	<1	1
MAY										
05...	1135	--	.50	--	.180	.130	370	<1	--	<10
27...	0800	24	.58	.160	.180	--	--	--	1	1
JUN										
24...	0830	34	1.3	.090	1.00	.700	--	--	3	1
JUL										
29...	0735	27	1.6	2.40	2.60	2.20	--	--	3	<1
AUG										
05...	0805	--	1.5	--	2.00	1.70	430	5	--	<10
26...	0850	45	1.2	2.00	2.00	1.65	--	--	2	1
SEP										
23...	0830	42	1.1	.140	.530	.470	--	--	1	--
DATE	TIME	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
OCT, 1985										
22...	0810	<15	--	1	--	--	--	<10	--	--
NOV										
12...	0820	<15	--	<1	--	--	--	20	--	--
DEC										
10...	0930	--	--	10	--	--	--	40	--	--
18...	1335	5	720	1	70	<.10	8	<10	--	--
JAN, 1986										
28...	0740	<15	--	7	--	<.50	--	40	--	--
FEB										
25...	0800	<15	--	<1	--	--	--	20	--	--
MAR										
25...	0740	<15	--	<1	--	--	--	30	--	--
APR										
22...	1100	<15	--	<1	--	--	--	40	--	--
MAY										
05...	1131	--	--	--	--	--	--	--	1.10	.200
05...	1135	7	720	2	140	<.10	<1	30	--	--
27...	0800	<15	--	2	--	--	--	<10	--	--
JUN										
24...	0830	21	--	2	--	--	--	20	--	--
JUL										
29...	0735	29	--	2	--	--	--	20	--	--
AUG										
05...	0801	--	--	--	--	--	--	--	18.0	3.60
05...	0805	8	960	<5	820	.10	10	20	--	--
26...	0850	15	--	2	--	--	--	30	--	--
SEP										
23...	0830	<15	--	4	--	--	--	20	--	--

WHITE RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO-CHEM-ICAL 5 DAY (MG/L) (00310)
OCT. 1985										
22...	1330	9827	9827	--	7.60	20.0	2.6	7.4	--	5.6
NOV										
12...	1340	9827	9827	--	7.62	17.0	3.0	4.7	--	--
DEC										
10...	1510	9827	9827	--	7.61	11.0	25	10.0	--	3.0
JAN, 1986										
28...	1250	9827	9827	--	7.71	5.0	4.0	11.1	--	--
FEB										
25...	1300	9827	9827	--	8.13	12.0	3.0	11.7	--	7.8
MAR										
25...	1245	9827	9827	--	7.81	16.0	4.0	11.0	--	--
APR										
22...	0915	9827	9827	--	7.59	11.0	6.0	10.4	--	1.0
MAY										
27...	1330	9827	9827	--	7.61	19.0	2.5	7.1	--	6.3
JUN										
24...	1345	9827	9827	345	7.68	28.0	3.0	7.7	17	--
JUL										
29...	1315	9827	9827	--	7.55	30.0	3.0	5.2	--	<5.2
AUG										
26...	0935	9827	9827	--	7.58	25.0	4.0	1.6	--	10
SEP										
23...	1400	9827	9827	--	7.45	26.0	4.0	4.5	--	5.2

DATE	TIME	COLI-FORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARD-NESS (MG/L AS CAC03) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C. SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT. 1985										
22...	1330	28	110	26	16	158	7	1.2	1.45	--
NOV										
12...	1340	--	130	33	37	265	5	2.0	4.50	--
DEC										
10...	1510	1800	56	9.0	6.5	92	13	2.4	.190	--
JAN, 1986										
28...	1250	32	110	25	38	215	8	3.0	--	--
FEB										
25...	1300	--	88	19	21	150	10	1.6	3.80	--
MAR										
25...	1245	--	90	20	29	170	7	1.5	4.40	--
APR										
22...	0915	56	64	8.0	6.0	115	3	.88	.170	--
MAY										
27...	1330	340	94	17	19	161	5	1.4	1.30	--
JUN										
24...	1345	120	100	--	--	196	6	4.5	>1.00	2.4
JUL										
29...	1315	240	120	24	120	390	10	9.3	10.8	--
AUG										
26...	0935	320	110	26	--	348	15	8.8	12.0	--
SEP										
23...	1400	110	110	21	39	209	8	3.2	3.40	--

07048980 HOLMAN CREEK NEAR HUNTSVILLE, ARK.--CONTINUED

WATER QUALITY DATA WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
22...	1330	--	.360	<1	--	<15	1	--	10
NOV									
12...	1340	2.35	1.80	<1	<1	<15	<1	--	30
DEC									
10...	1510	.180	.140	1	<1	--	5	--	30
JAN, 1986									
28...	1250	1.30	1.10	<1	<1	<15	1	<.50	30
FEB									
25...	1300	.950	.740	<1	<1	<15	<1	--	20
MAR									
25...	1245	1.20	.920	<1	<1	<15	<1	--	30
APR									
22...	0915	.080	.100	<1	<1	<15	1	--	20
MAY									
27...	1330	.590	--	<1	<1	<15	1	--	<10
JUN									
24...	1345	1.28	.930	<1	<1	<15	1	--	<10
JUL									
29...	1315	--	--	<1	<1	<15	<1	--	<10
AUG									
26...	0935	4.60	4.80	1	<1	<15	1	--	20
SEP									
23...	1400	1.40	1.10	<1	--	<15	3	--	<10

WHITE RIVER BASIN

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 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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, 1985											
10...	1230	80513	80020	.00	195	124	8.10	19.5	8.6	739	3.8
10...	1232	80513	80020	10.0	195	126	8.20	19.5	8.4	739	--
10...	1234	80513	80020	20.0	195	126	8.10	19.5	8.4	739	--
10...	1236	80513	80020	30.0	195	125	8.10	19.0	8.2	739	--
10...	1238	80513	80020	40.0	195	125	8.00	19.0	8.0	739	--
10...	1240	80513	80020	50.0	195	125	7.70	18.0	5.3	739	--
10...	1242	80513	80020	52.0	195	127	7.30	17.0	2.4	739	--
10...	1243	80513	80020	53.0	195	127	7.10	16.0	.6	739	--
10...	1244	80513	80020	54.0	195	127	7.10	15.0	.5	739	--
10...	1245	80513	80020	56.0	195	128	7.00	14.0	1.1	739	--
10...	1246	80513	80020	60.0	195	128	7.00	13.0	1.8	739	--
10...	1247	80513	80020	68.0	195	128	7.00	12.0	2.9	739	--
10...	1248	80513	80020	70.0	195	124	7.00	12.0	3.3	739	--
10...	1250	80513	80020	80.0	195	125	7.10	11.5	3.7	739	--
10...	1252	80513	80020	90.0	195	124	7.10	11.0	4.1	739	--
10...	1254	80513	80020	100	195	126	7.10	10.0	4.4	739	--
10...	1258	80513	80020	110	195	121	7.10	10.0	4.6	739	--
10...	1300	80513	80020	120	195	119	7.10	9.0	4.8	739	--
10...	1302	80513	80020	130	195	114	7.10	8.5	4.2	739	--
10...	1304	80513	80020	140	195	114	7.00	8.0	3.7	739	--
10...	1306	80513	80020	150	195	118	7.00	7.5	3.1	739	--
10...	1308	80513	80020	160	195	117	7.00	7.5	2.5	739	--
10...	1310	80513	80020	170	195	123	7.00	7.0	1.4	739	--
10...	1312	80513	80020	180	195	127	6.90	7.0	.5	739	--
10...	1314	80513	80020	190	195	125	6.90	7.0	.3	739	--
10...	1316	80513	80020	195	195	133	6.90	7.0	.3	739	--
NOV, 1985											
06...	1100	80513	80020	.00	192	124	8.00	18.0	8.6	760	3.00
06...	1102	80513	80020	10.0	192	126	8.00	18.0	8.5	760	--
06...	1104	80513	80020	20.0	192	126	8.00	18.0	8.5	760	--
06...	1106	80513	80020	30.0	192	126	8.10	18.0	8.3	760	--
06...	1108	80513	80020	40.0	192	126	8.10	18.0	8.0	760	--
06...	1110	80513	80020	50.0	192	127	7.80	17.5	8.0	760	--
06...	1112	80513	80020	60.0	192	127	7.30	17.0	4.6	760	--
06...	1114	80513	80020	62.0	192	127	7.00	16.0	2.1	760	--
06...	1116	80513	80020	65.0	192	130	7.00	15.0	.7	760	--
06...	1118	80513	80020	70.0	192	130	7.00	14.5	.7	760	--
06...	1120	80513	80020	80.0	192	130	7.00	14.0	.7	760	--
06...	1122	80513	80020	90.0	192	129	7.00	13.0	1.2	760	--
06...	1124	80513	80020	100	192	129	7.00	12.5	1.6	760	--
06...	1126	80513	80020	110	192	124	7.00	12.0	2.1	760	--
06...	1128	80513	80020	120	192	122	7.00	11.5	2.4	760	--
06...	1130	80513	80020	130	192	120	7.00	10.5	3.0	760	--
06...	1132	80513	80020	140	192	120	7.00	9.5	3.2	760	--
06...	1134	80513	80020	150	192	120	7.00	8.5	3.0	760	--
06...	1136	80513	80020	160	192	120	7.00	7.5	2.8	760	--
06...	1138	80513	80020	170	192	121	7.00	7.0	1.1	760	--
06...	1140	80513	80020	180	192	121	7.00	6.5	.7	760	--
06...	1142	80513	80020	190	192	124	6.90	6.5	.5	760	--
06...	1145	80513	80020	192	192	130	6.90	6.0	.4	760	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)
DEC, 1985									
19...	1500	80513	80020	.00	186	123	7.40	9.5	8.9
19...	1501	80513	80020	3.00	186	123	7.40	9.5	8.9
19...	1502	80513	80020	10.0	186	123	7.40	9.5	9.0
19...	1503	80513	80020	20.0	186	123	7.40	9.5	9.0
19...	1505	80513	80020	25.0	186	123	7.40	9.5	9.0
19...	1507	80513	80020	30.0	186	123	7.40	9.5	9.0
19...	1510	80513	80020	40.0	186	123	7.40	9.5	9.0
19...	1512	80513	80020	50.0	186	123	7.40	9.5	9.0
19...	1514	80513	80020	60.0	186	123	7.40	9.5	9.0
19...	1516	80513	80020	70.0	186	123	7.40	9.5	9.0
19...	1517	80513	80020	80.0	186	123	7.40	9.5	9.0
19...	1518	80513	80020	90.0	186	124	7.40	9.5	9.0
19...	1520	80513	80020	100	186	124	7.40	9.5	9.0
19...	1522	80513	80020	110	186	124	7.40	9.5	9.0
19...	1524	80513	80020	120	186	124	7.40	9.5	9.0
19...	1526	80513	80020	130	186	124	7.40	9.5	9.0
19...	1528	80513	80020	140	186	124	7.40	9.5	9.0
19...	1530	80513	80020	150	186	124	7.40	9.5	9.0
19...	1532	80513	80020	160	186	124	7.40	9.5	9.0
19...	1534	80513	80020	170	186	124	7.40	9.5	9.0
19...	1536	80513	80020	180	186	124	7.40	9.5	9.0
19...	1540	80513	80020	186	186	124	7.40	9.5	8.9

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)	ALKA- LINITY FIELD (MG/L AS CAC03) (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
DEC, 1985									
19...	1500	750	3.7	1	--	--	--	--	--
19...	1501	750	--	--	--	--	--	--	.30
19...	1505	750	--	--	5	5.5	1.0	52	.20
19...	1520	750	--	--	5	2.8	.9	54	.30

DATE	TIME	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	PHOS- PHORUS TOTAL (MG/L AS P04) (71886)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
DEC, 1985									
19...	1501	<.010	<.010	--	--	--	--	--	--
19...	1505	.010	<.010	.03	400	<1	<10	5	340
19...	1520	.020	<.010	.06	300	<1	<10	6	300

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		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)			
DATE	TIME										
DEC, 1985											
19...	1501	--	--	--	--	--	1.30	<.100			
19...	1505	1	70	<.10	6	40	--	--			
19...	1520	1	250	<.10	6	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)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JAN, 1986											
08...	1500	80513	80020	.00	196	121	7.60	7.5	10.4	752	2.70
08...	1502	80513	80020	10.0	196	122	7.60	7.5	10.1	752	--
08...	1504	80513	80020	20.0	196	121	7.60	7.5	9.8	752	--
08...	1506	80513	80020	30.0	196	121	7.50	7.5	9.6	752	--
08...	1508	80513	80020	40.0	196	120	7.60	7.5	9.6	752	--
08...	1510	80513	80020	50.0	196	120	7.60	7.5	9.6	752	--
08...	1512	80513	80020	60.0	196	121	7.50	7.5	9.6	752	--
08...	1514	80513	80020	70.0	196	119	7.60	7.5	9.5	752	--
08...	1516	80513	80020	80.0	196	120	7.60	7.5	9.4	752	--
08...	1518	80513	80020	90.0	196	121	7.60	7.5	9.5	752	--
08...	1520	80513	80020	100	196	120	7.50	7.5	9.4	752	--
08...	1522	80513	80020	110	196	119	7.60	7.5	9.4	752	--
08...	1524	80513	80020	120	196	118	7.50	7.5	9.4	752	--
08...	1526	80513	80020	130	196	119	7.50	7.5	9.4	752	--
08...	1528	80513	80020	140	196	119	7.50	7.5	9.4	752	--
08...	1530	80513	80020	150	196	118	7.50	7.5	9.4	752	--
08...	1532	80513	80020	160	196	118	7.50	7.5	9.4	752	--
08...	1534	80513	80020	170	196	118	7.50	7.5	9.2	752	--
08...	1536	80513	80020	180	196	119	7.50	7.5	8.9	752	--
08...	1538	80513	80020	190	196	122	7.40	7.5	8.3	752	--
08...	1540	80513	80020	196	196	123	7.40	7.5	8.0	752	--
FEB, 1986											
20...	1345	80513	80020	.00	195	120	7.00	7.5	12.0	740	3.7
20...	1346	80513	80020	10.0	195	121	7.00	7.5	11.5	740	--
20...	1348	80513	80020	20.0	195	119	7.00	7.5	11.2	740	--
20...	1350	80513	80020	30.0	195	119	7.00	7.5	11.2	740	--
20...	1352	80513	80020	40.0	195	120	7.00	7.0	11.0	740	--
20...	1354	80513	80020	50.0	195	120	7.00	7.0	10.9	740	--
20...	1356	80513	80020	60.0	195	120	7.00	6.0	10.6	740	--
20...	1358	80513	80020	70.0	195	120	7.00	6.0	10.5	740	--
20...	1400	80513	80020	80.0	195	119	7.00	6.0	10.4	740	--
20...	1402	80513	80020	90.0	195	120	7.00	6.0	10.4	740	--
20...	1404	80513	80020	100	195	117	7.00	6.0	10.4	740	--
20...	1406	80513	80020	110	195	118	7.00	6.0	10.4	740	--
20...	1408	80513	80020	120	195	119	7.00	6.0	10.4	740	--
20...	1410	80513	80020	130	195	118	7.00	6.0	10.4	740	--
20...	1412	80513	80020	140	195	119	7.00	6.0	10.3	740	--
20...	1414	80513	80020	150	195	118	7.00	6.0	10.3	740	--
20...	1416	80513	80020	160	146	115	7.00	6.0	10.2	740	--
20...	1418	80513	80020	170	195	118	7.00	5.5	10.2	740	--
20...	1420	80513	80020	180	195	121	7.00	5.5	10.1	740	--
20...	1422	80513	80020	190	195	121	7.00	5.5	10.0	740	--
20...	1425	80513	80020	195	195	125	7.10	5.5	9.9	740	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)
MAR, 1986											
06...	0730	80513	80020	.00	189	124	8.00	6.5	12.4	741	2.20
06...	0732	80513	80020	10.0	189	126	8.00	7.0	12.2	741	--
06...	0734	80513	80020	20.0	189	126	8.10	7.0	12.0	741	--
06...	0736	80513	80020	30.0	189	123	8.10	7.0	12.0	741	--
06...	0738	80513	80020	40.0	189	125	8.10	7.0	11.9	741	--
06...	0740	80513	80020	50.0	189	122	8.00	6.5	11.7	741	--
06...	0742	80513	80020	60.0	189	123	8.00	6.0	11.4	741	--
06...	0744	80513	80020	70.0	189	126	7.90	6.0	11.3	741	--
06...	0746	80513	80020	80.0	189	123	7.90	6.0	11.1	741	--
06...	0748	80513	80020	90.0	189	121	7.90	6.0	11.0	741	--
06...	0750	80513	80020	100	189	123	7.80	6.0	11.0	741	--
06...	0752	80513	80020	110	189	123	7.80	6.0	10.9	741	--
06...	0754	80513	80020	120	189	122	7.80	6.0	10.9	741	--
06...	0756	80513	80020	130	189	121	7.80	6.0	10.9	741	--
06...	0758	80513	80020	140	189	122	7.80	6.0	10.8	741	--
06...	0800	80513	80020	150	189	122	7.80	6.0	10.9	741	--
06...	0802	80513	80020	160	189	123	7.80	5.5	10.8	741	--
06...	0804	80513	80020	170	189	123	7.80	5.5	10.8	741	--
06...	0806	80513	80020	180	189	120	7.80	5.5	10.7	741	--
06...	0810	80513	80020	189	189	121	7.70	5.5	10.4	741	--
APR, 1986											
09...	1200	80513	80020	.00	196	122	7.60	15.5	10.1	746	2.10
09...	1202	80513	80020	10.0	196	122	7.90	13.5	10.6	746	--
09...	1204	80513	80020	14.0	196	121	7.90	12.0	10.8	746	--
09...	1206	80513	80020	20.0	196	120	7.80	11.0	10.7	746	--
09...	1208	80513	80020	25.0	196	120	7.80	10.5	10.7	746	--
09...	1210	80513	80020	30.0	196	119	7.70	10.0	10.8	746	--
09...	1212	80513	80020	40.0	196	118	7.70	9.5	10.7	746	--
09...	1214	80513	80020	50.0	196	121	7.60	9.0	10.5	746	--
09...	1216	80513	80020	60.0	196	118	7.60	8.5	10.3	746	--
09...	1218	80513	80020	70.0	196	118	7.60	8.0	10.1	746	--
09...	1220	80513	80020	80.0	196	116	7.50	7.5	10.0	746	--
09...	1222	80513	80020	90.0	196	118	7.50	7.0	10.0	746	--
09...	1224	80513	80020	100	196	117	7.40	7.0	9.8	746	--
09...	1226	80513	80020	110	196	117	7.40	7.0	9.7	746	--
09...	1228	80513	80020	120	196	114	7.40	6.5	9.6	746	--
09...	1230	80513	80020	130	196	116	7.40	6.5	9.6	746	--
09...	1232	80513	80020	140	196	115	7.40	6.5	9.5	746	--
09...	1234	80513	80020	150	196	116	7.40	6.5	9.4	746	--
09...	1236	80513	80020	160	196	115	7.40	6.0	9.3	746	--
09...	1238	80513	80020	170	196	116	7.30	6.0	9.2	746	--
09...	1240	80513	80020	180	196	115	7.30	6.0	9.1	746	--
09...	1242	80513	80020	190	196	114	7.30	6.0	9.0	746	--
09...	1245	80513	80020	196	196	116	7.30	6.0	8.8	746	--
MAY, 1986											
06...	1300	80513	80020	.00	197	129	8.10	18.0	9.5	735	5.6
06...	1301	80513	80020	3.00	197	129	8.20	18.0	9.4	735	--
06...	1302	80513	80020	10.0	197	129	8.20	18.0	9.8	735	--
06...	1304	80513	80020	20.0	197	129	8.10	18.0	9.9	735	--
06...	1305	80513	80020	25.0	197	128	8.10	18.0	9.2	735	--
06...	1307	80513	80020	30.0	197	129	7.90	16.0	8.8	735	--
06...	1308	80513	80020	40.0	197	130	7.70	15.0	8.5	735	--
06...	1310	80513	80020	50.0	197	131	7.60	15.0	8.3	735	--
06...	1312	80513	80020	60.0	197	128	7.50	12.0	8.9	735	--
06...	1314	80513	80020	65.0	197	124	7.40	10.5	9.3	735	--
06...	1316	80513	80020	70.0	197	126	7.40	10.0	9.2	735	--
06...	1318	80513	80020	80.0	197	126	7.40	9.5	9.4	735	--
06...	1320	80513	80020	90.0	197	122	7.40	9.0	9.4	735	--
06...	1325	80513	80020	100	197	122	7.40	9.0	9.3	735	--
06...	1327	80513	80020	110	197	125	7.40	8.5	9.3	735	--
06...	1329	80513	80020	120	197	124	7.30	8.0	9.2	735	--
06...	1330	80513	80020	130	197	125	7.30	7.5	9.1	735	--
06...	1332	80513	80020	140	197	122	7.30	7.0	8.8	735	--
06...	1334	80513	80020	150	197	124	7.30	7.0	8.6	735	--
06...	1336	80513	80020	160	197	120	7.20	6.5	8.6	735	--
06...	1338	80513	80020	170	197	123	7.20	6.5	8.6	735	--
06...	1340	80513	80020	180	197	120	7.20	6.5	8.5	735	--
06...	1342	80513	80020	190	197	121	7.20	6.5	8.4	735	--
06...	1345	80513	80020	197	197	122	7.20	6.5	8.3	735	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	COLOR (PLAT- INUM- COBALT UNIT S) (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)	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)
MAY, 1986											
06...	1301	--	--	--	--	--	--	<.010	<.010	--	--
06...	1305	5	1.0	1.0	60	54	.30	<.010	<.010	30	<1
06...	1325	5	1.5	.8	60	54	.40	<.010	<.010	50	<1

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)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
MAY, 1986											
06...	1301	--	--	--	--	--	--	--	--	1.30	<.100
06...	1305	<10	4	10	1	<10	<.10	10	<10	--	--
06...	1325	<10	4	80	<1	<10	<.10	<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 UNIT S) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUN, 1986									
04...	1000	80513	80020	.00	195	131	8.40	24.0	8.2
04...	1001	80513	80020	3.00	195	131	8.50	24.0	8.1
04...	1002	80513	80020	10.0	195	131	8.50	23.5	8.1
04...	1004	80513	80020	15.0	195	131	8.70	22.0	8.9
04...	1006	80513	80020	18.0	195	131	8.60	21.0	8.1
04...	1008	80513	80020	20.0	195	131	8.50	20.5	7.9
04...	1010	80513	80020	23.0	195	131	8.20	19.5	8.3
04...	1012	80513	80020	27.0	195	131	8.00	19.0	7.4
04...	1014	80513	80020	30.0	195	130	7.80	17.5	7.3
04...	1016	80513	80020	32.0	195	132	7.60	17.0	6.4
04...	1018	80513	80020	38.0	195	132	7.50	15.5	6.3
04...	1020	80513	80020	40.0	195	131	7.40	15.5	6.2
04...	1022	80513	80020	45.0	195	131	7.40	14.5	6.4
04...	1024	80513	80020	50.0	195	131	7.40	14.0	6.5
04...	1026	80513	80020	55.0	195	131	7.30	13.0	6.9
04...	1028	80513	80020	60.0	195	128	7.30	12.5	7.0
04...	1030	80513	80020	65.0	195	126	7.30	11.5	7.6
04...	1032	80513	80020	70.0	195	128	7.30	10.5	7.8
04...	1034	80513	80020	80.0	195	126	7.30	10.0	8.0
04...	1036	80513	80020	90.0	195	126	7.30	9.5	8.0
04...	1038	80513	80020	100	195	126	7.30	9.0	8.1
04...	1040	80513	80020	110	195	127	7.30	8.5	8.1
04...	1042	80513	80020	120	195	124	7.30	8.0	8.1
04...	1044	80513	80020	130	195	123	7.30	8.0	7.7
04...	1046	80513	80020	140	195	123	7.20	7.5	7.4
04...	1048	80513	1028	150	195	126	7.20	7.0	7.3
04...	1050	80513	80020	160	195	124	7.20	7.0	7.2
04...	1052	80513	80020	170	195	124	7.20	7.0	7.0
04...	1054	80513	80020	180	195	124	7.20	7.0	6.8
04...	1056	80513	80020	190	195	124	7.20	7.0	6.7
04...	1100	80513	80020	195	195	126	7.20	7.0	6.6

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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, TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)	
JUN, 1986									
04...	1000	739	6.2	--	--	--	--	--	
04...	1001	739	--	.20	<.010	<.010	1.30	<.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) (00400)	TEMPER-ATURE (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUL, 1986									
09...	1230	80513	80020	.00	197	132	8.70	29.0	7.7
09...	1231	80513	80020	3.00	197	132	8.70	29.0	7.6
09...	1232	80513	80020	10.0	197	133	8.70	29.0	7.6
09...	1234	80513	80020	20.0	197	133	8.70	29.0	7.6
09...	1236	80513	80020	24.0	197	132	8.70	28.0	7.8
09...	1238	80513	80020	26.0	197	131	8.80	25.0	10.3
09...	1240	80513	80020	27.0	197	130	8.70	23.0	10.3
09...	1242	80513	80020	28.0	197	130	8.50	21.0	9.8
09...	1244	80513	80020	29.0	197	131	8.40	20.0	9.5
09...	1246	80513	80020	30.0	197	130	8.20	19.5	9.2
09...	1248	80513	80020	33.0	197	131	8.00	19.0	8.8
09...	1250	80513	80020	35.0	197	131	7.80	18.0	7.2
09...	1252	80513	80020	40.0	197	131	7.50	17.0	5.8
09...	1254	80513	80020	45.0	197	130	7.40	15.5	5.7
09...	1256	80513	80020	50.0	197	130	7.40	14.5	5.7
09...	1258	80513	80020	55.0	197	131	7.30	13.5	5.7
09...	1300	80513	80020	60.0	197	128	7.30	13.0	5.7
09...	1302	80513	80020	70.0	197	125	7.20	11.5	6.4
09...	1304	80513	80020	80.0	197	128	7.20	10.5	6.9
09...	1306	80513	80020	90.0	197	125	7.20	10.0	7.2
09...	1308	80513	80020	100	197	125	7.30	9.5	7.3
09...	1310	80513	80020	110	197	124	7.30	9.0	7.6
09...	1312	80513	80020	120	197	121	7.30	8.5	7.6
09...	1314	80513	80020	130	197	123	7.30	8.5	7.2
09...	1316	80513	80020	140	197	124	7.20	8.0	6.8
09...	1318	80513	80020	150	197	127	7.20	7.5	6.6
09...	1320	80513	80020	160	197	123	7.20	7.5	6.1
09...	1322	80513	80020	170	197	123	7.10	7.5	5.7
09...	1324	80513	80020	180	197	127	7.10	7.0	5.4
09...	1326	80513	80020	190	197	130	7.00	7.0	3.2
09...	1328	80513	80020	197	197	133	7.00	7.0	2.8
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, TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)	
JUL, 1986									
09...	1230	743	3.6	--	--	--	--	--	
09...	1231	743	--	<.10	.010	<.050	1.60	.100	

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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, 1986									
04...	1330	80513	80020	.00	182	135	8.60	29.0	7.4
04...	1331	80513	80020	3.00	182	135	8.70	28.5	7.5
04...	1332	80513	80020	10.0	182	135	8.70	28.5	7.4
04...	1334	80513	80020	20.0	182	134	8.60	28.5	7.3
04...	1336	80513	80020	23.0	182	134	8.50	27.0	7.5
04...	1338	80513	80020	25.0	182	134	8.30	25.5	7.6
04...	1340	80513	80020	27.0	182	133	8.00	23.5	7.8
04...	1342	80513	80020	28.0	182	133	8.00	22.5	8.1
04...	1344	80513	80020	30.0	182	132	7.80	21.5	7.8
04...	1346	80513	80020	31.0	182	132	7.60	20.5	7.2
04...	1348	80513	80020	32.0	182	131	7.50	19.5	6.6
04...	1350	80513	80020	35.0	182	131	7.40	18.5	6.0
04...	1352	80513	80020	37.0	182	132	7.30	17.5	5.0
04...	1354	80513	80020	40.0	182	131	7.20	17.0	5.0
04...	1356	80513	80020	45.0	182	131	7.20	15.5	4.6
04...	1358	80513	80020	50.0	182	129	7.10	15.0	4.5
04...	1400	80513	80020	60.0	182	131	7.10	13.5	4.8
04...	1402	80513	80020	70.0	182	127	7.10	12.0	4.7
04...	1404	80513	80020	80.0	182	128	7.10	11.0	5.2
04...	1406	80513	80020	90.0	182	125	7.10	10.0	5.7
04...	1408	80513	80020	100	182	122	7.10	9.5	6.3
04...	1410	80513	80020	110	182	123	7.10	9.5	6.6
04...	1412	80513	80020	120	182	123	7.10	9.0	6.6
04...	1414	80513	80020	130	182	122	7.10	8.5	6.5
04...	1416	80513	80020	140	182	122	7.10	8.5	6.0
04...	1418	80513	80020	150	182	122	7.00	8.0	5.5
04...	1420	80513	80020	160	182	121	7.00	7.5	4.6
04...	1422	80513	80020	170	182	123	7.00	7.5	3.8
04...	1424	80513	80020	180	182	125	7.00	7.5	3.4
04...	1426	80513	80020	182	182	125	6.90	7.5	3.3

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- LITY FIELD (MG/L AS CACO3) (00410)
AUG, 1986									
04...	1330	737	5.5	0	--	--	--	--	--
04...	1338	737	--	--	5	.90	.8	60	56
04...	1408	737	--	--	5	.70	.8	60	60

DATE	TIME	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)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
AUG, 1986									
04...	1331	<.10	.070	<.010	--	--	--	--	--
04...	1338	<.10	.020	<.010	<10	<1	<10	6	20
04...	1408	<.10	.020	<.010	20	<1	<10	2	<10

WHITE RIVER BASIN

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

WATER QUALITY DATA

		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)	
DATE	TIME								
AUG 1986									
04...	1331	--	--	--	--	--	1.40	.100	
04...	1338	<5	10	.20	3	70	--	--	
04...	1408	<5	10	.10	<1	30	--	--	
		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)
DATE	TIME								
SEP, 1986									
04...	1515	80513	80020	.00	189	136	8.60	25.5	8.4
04...	1516	80513	80020	3.00	189	135	8.60	25.5	8.3
04...	1518	80513	80020	10.0	189	135	8.60	25.5	8.2
04...	1520	80513	80020	20.0	189	135	8.60	25.5	8.1
04 ..	1522	80513	80020	30.0	189	135	8.60	25.5	8.0
04...	1524	80513	80020	32.0	189	136	8.40	24.5	7.4
04 ..	1526	80513	80020	33.0	189	135	8.20	24.0	7.1
04...	1528	80513	80020	34.0	189	135	7.70	22.5	6.2
04 ..	1530	80513	80020	35.0	189	133	7.50	20.5	5.8
04...	1532	80513	80020	36.0	189	133	7.40	19.5	5.3
04...	1534	80513	80020	40.0	189	133	7.30	18.0	4.3
04...	1536	80513	80020	43.0	189	133	7.20	17.0	4.3
04 ..	1538	80513	80020	46.0	189	131	7.20	16.0	3.8
04...	1540	80513	80020	50.0	189	134	7.10	15.0	3.5
04...	1542	80513	80020	56.0	189	134	7.10	14.0	3.3
04...	1544	80513	80020	60.0	189	132	7.10	13.5	3.4
04 ..	1546	80513	80020	67.0	189	130	7.10	12.5	3.9
04...	1548	80513	80020	70.0	189	130	7.10	12.0	4.0
04...	1550	80513	80020	76.0	189	130	7.10	11.0	4.0
04...	1552	80513	80020	80.0	189	128	7.10	11.0	4.2
04...	1554	80513	80020	90.0	189	127	7.10	10.0	5.1
04...	1556	80513	80020	100	189	127	7.20	9.5	5.6
04...	1558	80513	80020	110	189	124	7.20	9.0	5.9
04...	1600	80513	80020	120	189	123	7.20	8.5	5.8
04...	1602	80513	80020	130	189	122	7.20	8.5	5.4
04...	1604	80513	80020	140	189	123	7.10	8.0	4.9
04 ..	1606	80513	80020	150	189	123	7.10	7.5	4.5
04...	1608	80513	80020	160	189	125	7.10	7.5	3.7
04...	1610	80513	80020	170	189	125	7.10	7.5	2.8
04...	1612	80513	80020	180	189	126	7.00	7.5	2.0
04...	1614	80513	80020	189	189	135	7.00	7.5	.7
		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)	
DATE	TIME								
SEP, 1986									
04...	1515	735	4.6	--	--	--	--	--	
04...	1516	735	--	<.10	<.010	<.010	3.20	.200	

WHITE RIVER BASIN

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 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNIT S) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
OCT, 1985										
10...	1345	80513	80020	120	7.20	10.0	4.8	44	740	--
NOV										
06...	1030	80513	80020	122	7.20	9.0	5.0	43	759	--
DEC										
19...	1430	80513	80020	126	7.40	9.0	9.3	82	747	5
JAN, 1986										
08...	1430	80513	80020	125	7.80	7.5	11.2	94	757	--
FEB										
20...	1315	80513	80020	131	7.50	6.5	11.7	98	738	--
MAR										
06...	0700	80513	80020	123	8.00	5.0	11.7	93	747	--
APR										
09...	1115	80513	80020	118	7.60	7.5	10.0	85	750	--
MAY										
06...	1245	80513	80020	124	7.30	8.5	9.3	82	740	5
JUN										
04...	0930	80513	80020	143	7.20	11.0	9.2	85	744	--
JUL										
09...	1200	80513	80020	126	8.00	19.5	10.6	118	747	--
AUG										
04...	1230	80513	80020	131	7.40	17.0	11.0	117	742	10
SEP										
04...	1500	80513	80020	128	7.70	10.5	6.3	58	739	--
DATE	TIME	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKA- LINEITY FIELD (MG/L AS CAC03) (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)
DEC, 1985										
19...	1430	3.7	1.2	4	54	.30	<.010	<.010	250	<1
MAY, 1986										
06...	1245	2.0	.8	4	63	.40	.010	<.010	50	<1
AUG, 1986										
04...	1230	3.8	1.5	2	58	.40	.010	<.010	270	<1
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)	
DEC, 1985										
19...	1430	<10	6	290	<1	80	<.10	7	100	
MAY, 1986										
06...	1245	<10	4	60	<1	20	<.10	<1	<10	
AUG, 1986										
04...	1230	<10	6	250	<5	40	.20	5	10	

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985											
22...	1020	9827	9827	273	7.86	17.0	5.6	8.7	8	4.4	220
NOV											
12...	1020	9827	9827	307	7.95	15.0	2.0	8.6	13	2.3	12
DEC											
10...	1205	9827	9827	268	8.02	10.0	15	10.1	11	2.7	>600
JAN, 1986											
28...	0920	9827	9827	264	8.04	1.0	1.0	13.2	3	2.4	<4
FEB											
25...	0940	9827	9827	238	8.09	8.0	2.0	11.5	6	1.1	24
MAR											
25...	0920	9827	9827	231	8.03	13.0	2.0	10.2	6	3.8	80
APR											
22...	1040	9827	9827	186	7.87	12.0	10	10.4	7	.7	240
MAY											
27...	0945	9827	9827	262	7.94	18.0	5.5	8.9	6	4.3	470
JUN											
24...	1020	9827	9827	175	7.58	25.0	90	6.4	36	5.6	14000
JUL											
29...	0925	9827	9827	--	8.05	30.0	4.5	6.7	6	4.3	150
AUG											
26...	1115	9827	9827	290	8.19	28.0	6.5	8.3	11	3.4	130
SEP											
23...	1020	9827	9827	308	7.57	25.0	6.0	6.2	8	3.0	210

DATE	TIME	HARD- NESS (MG/L AS CAC03) (00900)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT, 1985										
22...	1020	150	18	4.0	174	11	.60	.040	--	--
NOV										
12...	1020	150	10	4.5	169	<1	.20	.010	.89	.90
DEC										
10...	1205	130	6.0	4.5	148	18	>1.0	.080	.52	.60
JAN, 1986										
28...	0920	140	13	4.5	152	1	.59	--	--	--
FEB										
25...	0940	120	10	6.0	129	2	.38	.010	.39	.40
MAR										
25...	0920	120	12	5.0	130	2	.26	.020	.18	.20
APR										
22...	1040	90	6.0	3.0	134	10	.42	.040	--	<.10
MAY										
27...	0945	130	10	9.0	155	13	.50	<.010	--	.20
JUN										
24...	1020	80	--	--	129	108	.50	.100	1.2	1.3
JUL										
29...	0925	160	5.0	4.5	177	15	.10	.110	.59	.70
AUG										
26...	1115	130	6.0	--	164	15	.07	.050	.15	.20
SEP										
23...	1020	160	10	5.0	167	13	.16	.020	.18	.20

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985										
22...	1020	--	--	.060	<1	--	16	1	--	<10
NOV										
12...	1020	1.1	.050	.030	<1	<1	<15	<1	--	<10
DEC										
10...	1205	--	.160	.130	<1	<1	--	6	--	30
JAN, 1986										
28...	0920	--	.010	<.010	<1	<1	<15	1	<.50	20
FEB										
25...	0940	.78	.010	.030	<1	<1	<15	<1	--	20
MAR										
25...	0920	.46	.040	.010	<1	<1	<15	<1	--	20
APR										
22...	1040	--	.020	.020	<1	<1	<15	<1	--	30
MAY										
27...	0945	.70	.030	--	<1	<1	<15	1	--	<10
JUN										
24...	1020	1.8	.280	.130	1	3	15	5	--	10
JUL										
29...	0925	.80	.070	.090	1	1	<15	2	--	10
AUG										
26...	1115	.27	.060	<.010	<1	<1	<15	1	--	10
SEP										
23...	1020	.36	.040	.010	1	--	<15	3	--	10

07050420 OSAGE CREEK WEST OF BERRYVILLE, ARK.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985										
22...	1000	9827	9827	310	7.90	17.0	4.0	7.5	17	1.4
NOV										
12...	1000	9827	9827	379	7.80	15.0	2.0	7.1	13	3.1
DEC										
10...	1140	9827	9827	336	7.99	10.0	15	10.2	11	2.1
FEB, 1986										
25...	1000	9827	9827	257	8.11	8.0	2.0	11.9	6	2.2
MAR										
25...	0940	9827	9827	243	8.03	14.0	2.0	10.3	3	4.3
MAY										
27...	1005	9827	9827	268	7.97	18.0	6.0	7.8	3	1.5
JUL										
29...	0940	9827	9827	--	8.10	29.0	3.0	6.2	8	<6.2
AUG										
26...	1130	9827	9827	405	8.07	28.0	5.0	7.6	15	5.0
SEP										
23...	1030	9827	9827	410	7.60	25.0	4.0	4.8	13	--
DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CAC03) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT, 1985										
22...	1000	200	150	17	6.5	178	12	.87	.130	--
NOV										
12...	1000	20	150	24	13	213	<1	>1.0	.570	2.6
DEC										
10...	1140	>600	160	8.0	11	184	21	2.0	.090	.31
FEB, 1986										
25...	1000	20	130	11	5.5	138	2	.52	.280	.22
MAR										
25...	0940	80	120	12	6.5	136	2	.38	.350	.35
MAY										
27...	1005	510	140	11	4.5	160	12	.68	.060	--
JUL										
29...	0940	120	160	26	19	239	9	.77	.150	.55
AUG										
26...	1130	230	160	28	--	223	14	1.6	.110	.09
SEP										
23...	1030	790	170	25	18	225	9	1.8	1.30	4.7
DATE	TIME	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)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985										
22...	1000	--	--	--	.080	<1	--	<15	1	<10
NOV										
12...	1000	3.2	--	.260	.240	<1	<1	<15	<1	<10
DEC										
10...	1140	.40	2.4	.170	.120	<1	<1	--	7	20
FEB, 1986										
25...	1000	.50	1.0	.060	.070	1	<1	<15	<1	20
MAR										
25...	0940	.70	1.1	.100	.050	<1	<1	<15	1	20
MAY										
27...	1005	<.10	--	.080	--	<1	<1	<15	1	<10
JUL										
29...	0940	.70	1.5	.700	.520	<1	<1	<15	1	<10
AUG										
26...	1130	.20	1.8	.590	.440	<1	<1	<15	<1	<10
SEP										
23...	1030	6.0	7.8	1.00	.930	<1	--	<15	3	30

WHITE RIVER BASIN

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT, 1985									
22...	0930	9827	9827	520	250	7.90	17.0	4.4	8.1
NOV									
12...	0930	9827	9827	87	292	--	15.0	2.0	9.5
DEC									
10...	1110	9827	9827	1500	233	7.94	10.0	15	10.4
JAN, 1986									
28...	0850	9827	9827	170	251	8.20	1.0	1.0	15.9
FEB									
25...	0910	9827	9827	360	229	8.15	8.0	1.0	11.5
MAR									
25...	0850	9827	9827	340	233	8.11	13.0	2.0	10.5
APR									
22...	1010	9827	9827	2300	177	7.81	12.0	15	10.0
MAY									
27...	0920	9827	9827	420	246	7.99	18.0	4.0	8.1
JUN									
24...	0950	9827	9827	680	223	7.73	26.0	30	5.4
JUL									
29...	0850	9827	9827	21	300	8.10	29.0	3.8	5.8
AUG									
26...	1040	9827	9827	26	270	8.03	28.0	4.5	8.1
SEP									
23...	0945	9827	9827	84	270	7.75	25.0	20	7.4
DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)
OCT, 1985									
22...	0930	7	1.0	52	120	11	4.0	153	9
NOV									
12...	0930	6	1.6	52	140	12	4.5	152	<1
DEC									
10...	1110	6	1.2	1500	110	5.0	4.0	134	24
JAN, 1986									
28...	0850	3	1.7	<4	120	10	4.0	131	2
FEB									
25...	0910	1	1.1	16	110	10	5.0	127	1
MAR									
25...	0850	3	1.1	4	120	11	4.5	129	2
APR									
22...	1010	4	.6	320	92	5.0	3.0	124	18
MAY									
27...	0920	2	.8	340	130	10	3.0	144	6
JUN									
24...	0950	23	>5.4	--	96	--	--	131	50
JUL									
29...	0850	4	1.5	96	140	16	9.0	177	90
AUG									
26...	1040	5	1.5	20	130	11	--	146	10
SEP									
23...	0945	2	.2	520	130	10	4.5	153	5

07050500 KINGS RIVER NEAR BERRYVILLE, ARKANSAS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)
OCT, 1985									
22...	0930	.53	.060	--	--	--	--	.070	15
NOV									
12...	0930	.34	.010	.39	.40	.74	.070	.040	--
DEC									
10...	1110	.86	.090	.01	.10	.96	.090	.060	--
JAN, 1986									
28...	0850	.50	--	--	--	--	.010	--	1
FEB									
25...	0910	.40	<.010	--	.10	.50	.020	.030	--
MAR									
25...	0850	.27	<.010	--	.20	.47	.040	.020	--
APR									
22...	1010	.41	.050	--	<.10	--	.030	.020	3
MAY									
27...	0920	.41	<.010	--	<.10	--	.050	--	--
JUN									
24...	0950	1.1	.320	.58	.90	2.0	.450	.430	--
JUL									
29...	0850	.04	.050	.25	.30	.34	.070	--	1
AUG									
26...	1040	.06	.140	.06	.20	.26	.080	.060	--
SEP									
23...	0945	.34	.030	.07	.10	.44	.060	.090	--
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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	
OCT, 1985									
22...	0930	<1	--	<15	2	--	<1	<10	
NOV									
12...	0930	<1	1	<15	<1	--	--	<10	
DEC									
10...	1110	<1	1	--	2	--	--	20	
JAN, 1986									
28...	0850	<1	1	<15	3	<.50	<1	30	
FEB									
25...	0910	<1	1	<15	<1	--	--	20	
MAR									
25...	0850	<1	<1	<15	<1	--	--	20	
APR									
22...	1010	<1	<1	<15	2	--	<1	30	
MAY									
27...	0920	<1	<1	<15	2	--	--	<10	
JUN									
24...	0950	<1	1	<15	2	--	--	<10	
JUL									
29...	0850	<1	<1	<15	1	--	<1	<10	
AUG									
26...	1040	<1	<1	<15	<1	--	--	<10	
SEP									
23...	0945	<1	--	<15	1	--	--	<10	

WHITE RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985									
15...	1515	9827	9827	--	19.0	--	--	--	44
22...	1105	9827	9827	8.00	17.0	2.0	8.9	2.3	200
NOV									
12...	1105	9827	9827	8.10	15.0	2.0	9.9	.8	29
DEC									
10...	1245	9827	9827	7.95	12.0	8.0	10.0	1.1	54
JAN, 1986									
28...	1010	9827	9827	8.03	4.0	1.0	13.0	1.3	8
FEB									
25...	1045	9827	9827	7.84	10.0	2.0	11.0	1.0	32
MAR									
25...	1030	9827	9827	8.13	14.0	2.0	11.6	1.1	110
APR									
22...	1130	9827	9827	7.92	13.0	8.0	10.7	1.2	120
MAY									
27...	1050	9827	9827	7.91	17.0	9.0	8.5	.9	>600
JUN									
24...	1115	9827	9827	7.90	23.0	15	8.0	1.2	6100
JUL									
29...	1025	9827	9827	8.10	27.0	2.5	7.8	1.5	130
AUG									
26...	1220	9827	9827	8.07	27.0	2.5	8.5	1.2	40
SEP									
23...	1115	9827	9827	7.55	25.0	2.0	8.6	1.0	32
DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985									
22...	1105	170	17	8.0	206	5	1.7	1.10	--
NOV									
12...	1105	170	14	8.5	212	<1	1.9	.020	.060
DEC									
10...	1245	140	6.0	5.5	164	20	2.2	.040	.070
JAN, 1986									
28...	1010	150	13	7.5	187	1	1.9	--	.010
FEB									
25...	1045	130	14	5.5	158	2	1.2	.400	.030
MAR									
25...	1030	140	13	6.0	163	4	1.1	.050	.040
APR									
22...	1130	110	10	3.0	149	8	.87	.060	.040
MAY									
27...	1050	140	12	7.5	175	16	1.3	.020	.060
JUN									
24...	1115	140	--	--	168	18	1.7	.060	.120
JUL									
29...	1025	170	7.0	8.0	207	4	1.6	--	.040
AUG									
26...	1220	110	10	--	196	8	1.3	.090	.020
SEP									
23...	1115	180	10	11	199	4	1.4	.050	.020

07053230 LONG CREEK NEAR DENVER, ARK.--CONTINUED

WATER QUALITY DATA. WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN. AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985									
22...	1105	170	17	8.0	206	5	1.7	1.10	--
NOV									
12...	1105	170	14	8.5	212	<1	1.9	.020	.060
DEC									
10...	1245	140	6.0	5.5	164	20	2.2	.040	.070
JAN, 1986									
28...	1010	150	13	7.5	187	1	1.9	--	.010
FEB									
25...	1045	130	14	5.5	158	2	1.2	.400	.030
MAR									
25...	1030	140	13	6.0	163	4	1.1	.050	.040
APR									
22...	1130	110	10	3.0	149	8	.87	.060	.040
MAY									
27...	1050	140	12	7.5	175	16	1.3	.020	.060
JUN									
24...	1115	140	--	--	168	18	1.7	.060	.120
JUL									
29...	1025	170	7.0	8.0	207	4	1.6	--	.040
AUG									
26...	1220	110	10	--	196	8	1.3	.090	.020
SEP									
23...	1115	180	10	11	199	4	1.4	.050	.020

WHITE RIVER BASIN

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 mi².

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 1985 TO SEPTEMBER 1986

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											
11...	0745	80513	80020	.00	190	204	8.20	19.5	8.4	743	3.00
11...	0746	80513	80020	10.0	190	204	8.20	19.5	8.4	743	--
11...	0748	80513	80020	20.0	190	204	8.10	19.5	8.1	743	--
11...	0750	80513	80020	30.0	190	204	8.10	19.5	8.0	743	--
11...	0752	80513	80020	40.0	190	204	8.00	19.0	7.8	743	--
11...	0754	80513	80020	50.0	190	204	8.00	19.0	7.6	743	--
11...	0756	80513	80020	60.0	190	211	7.70	18.5	4.8	743	--
11...	0757	80513	80020	63.0	190	220	7.40	17.5	.7	743	--
11...	0758	80513	80020	64.0	190	226	7.30	16.5	.2	743	--
11...	0800	80513	80020	68.0	190	226	7.30	15.5	.2	743	--
11...	0802	80513	80020	70.0	190	226	7.30	15.5	.2	743	--
11...	0804	80513	80020	80.0	190	213	7.20	14.5	.1	743	--
11...	0806	80513	80020	90.0	190	201	7.20	13.5	.1	743	--
11...	0808	80513	80020	100	190	200	7.10	12.5	.4	743	--
11...	0810	80513	80020	110	190	201	7.10	12.0	.9	743	--
11...	0812	80513	80020	120	190	196	7.10	11.5	1.6	743	--
11...	0814	80513	80020	130	190	180	7.10	11.0	1.9	743	--
11...	0816	80513	80020	140	190	183	7.00	11.0	1.4	743	--
11...	0818	80513	80020	150	190	184	7.00	10.5	.3	743	--
11...	0820	80513	80020	160	190	190	6.90	10.5	.2	743	--
11...	0822	80513	80020	170	190	191	6.90	10.0	.2	743	--
11...	0824	80513	80020	180	190	205	6.90	9.5	.1	743	--
11...	0826	80513	80020	190	190	213	7.00	9.0	.1	743	--
22...	1030	80513	80020	.00	186	192	8.00	19.0	8.3	743	4.0
22...	1032	80513	80020	10.0	186	192	8.20	19.0	8.2	743	--
22...	1034	80513	80020	20.0	186	192	8.20	19.0	8.2	743	--
22...	1036	80513	80020	30.0	186	192	8.20	19.0	8.2	743	--
22...	1038	80513	80020	40.0	186	194	8.00	19.0	6.7	743	--
22...	1040	80513	80020	50.0	186	195	7.80	18.5	5.6	743	--
22...	1042	80513	80020	60.0	186	204	7.50	18.0	2.3	743	--
22...	1044	80513	80020	67.0	186	214	7.30	16.5	.2	743	--
22...	1046	80513	80020	70.0	186	207	7.30	16.0	.1	743	--
22...	1048	80513	80020	80.0	186	196	7.20	15.0	.6	743	--
22...	1050	80513	80020	90.0	186	187	7.20	13.5	.1	743	--
22...	1052	80513	80020	100	186	183	7.20	13.0	.2	743	--
22...	1054	80513	80020	110	186	180	7.10	12.5	.7	743	--
22...	1056	80513	80020	120	186	171	7.10	12.0	1.3	743	--
22...	1058	80513	80020	130	186	171	7.10	11.5	1.3	743	--
22...	1100	80513	80020	140	186	174	7.10	11.0	.5	743	--
22...	1102	80513	80020	150	186	176	7.00	11.0	.2	743	--
22...	1104	80513	80020	160	186	179	7.00	10.5	.2	743	--
22...	1106	80513	80020	170	186	180	7.10	10.5	.2	743	--
22...	1108	80513	80020	180	186	189	7.10	10.0	.2	743	--
22..	1110	80513	80020	186	186	195	7.10	9.5	.2	743	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)
NOV											
06...	0850	80513	80020	.00	183	210	8.00	16.0	8.1	760	3.4
06...	0852	80513	80020	10.0	183	211	7.90	16.0	7.6	760	--
06...	0854	80513	80020	20.0	183	211	7.90	16.0	7.5	760	--
06...	0856	80513	80020	30.0	183	210	8.00	16.0	7.4	760	--
06...	0858	80513	80020	40.0	183	211	8.00	16.5	7.4	760	--
06...	0900	80513	80020	50.0	183	211	8.00	16.5	7.3	760	--
06...	0902	80513	80020	60.0	183	209	8.00	16.5	7.2	760	--
06...	0904	80513	80020	70.0	183	210	8.00	16.5	7.2	760	--
06...	0906	80513	80020	80.0	183	210	7.90	16.5	4.4	760	--
06...	0908	80513	80020	82.0	183	215	7.50	15.0	.4	760	--
06...	0910	80513	80020	86.0	183	216	7.40	14.5	.3	760	--
06...	0912	80513	80020	90.0	183	211	7.40	14.0	.2	760	--
06...	0914	80513	80020	100	183	187	7.40	13.0	.2	760	--
06...	0916	80513	80020	110	183	184	7.30	12.0	.3	760	--
06...	0918	80513	80020	120	183	186	7.30	12.0	.7	760	--
06...	0920	80513	80020	130	183	181	7.20	11.5	.8	760	--
06...	0922	80513	80020	140	183	200	7.20	11.0	.3	760	--
06...	0924	80513	80020	150	183	191	7.20	10.5	.2	760	--
06...	0926	80513	80020	160	183	195	7.20	10.5	.2	760	--
06...	0928	80513	80020	170	183	193	7.20	10.0	.2	760	--
06...	0930	80513	80020	180	183	212	7.20	10.0	.2	760	--
06...	0932	80513	80020	183	183	215	7.30	9.5	.2	760	--
21...	0900	80513	80020	.00	194	210	7.80	14.5	8.7	754	3.8
21...	0902	80513	80020	10.0	194	212	7.90	14.5	8.3	754	--
21...	0904	80513	80020	20.0	194	210	8.00	15.0	7.3	754	--
21...	0906	80513	80020	30.0	194	210	7.90	15.0	6.6	754	--
21...	0908	80513	80020	40.0	194	210	7.90	15.0	6.6	754	--
21...	0910	80513	80020	50.0	194	209	7.90	15.0	6.8	754	--
21...	0912	80513	80020	60.0	194	209	7.90	15.0	7.0	754	--
21...	0914	80513	80020	70.0	194	209	7.90	15.0	7.0	754	--
21...	0916	80513	80020	80.0	194	210	7.90	15.0	7.1	754	--
21...	0918	80513	80020	90.0	194	209	7.90	15.0	7.2	754	--
21...	0920	80513	80020	100	194	209	7.90	14.5	6.2	754	--
21...	0922	80513	80020	110	194	213	7.50	13.5	.8	754	--
21...	0924	80513	80020	115	194	199	7.40	12.5	.3	754	--
21...	0926	80513	80020	120	194	197	7.30	12.5	.3	754	--
21...	0928	80513	80020	130	194	195	7.30	12.0	.3	754	--
21...	0930	80513	80020	140	194	197	7.30	11.5	.2	754	--
21...	0932	80513	80020	150	194	193	7.30	11.5	.2	754	--
21...	0934	80513	80020	160	194	191	7.20	11.0	.2	754	--
21...	0936	80513	80020	170	194	194	7.20	10.5	.2	754	--
21...	0938	80513	80020	180	194	199	7.20	10.0	.2	754	--
21...	0940	80513	80020	190	194	207	7.20	9.5	.2	754	--
21...	0945	80513	80020	194	194	207	7.20	9.5	.2	754	--

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)
DEC									
16...	1300	80513	80020	.00	196	206	7.10	10.5	7.7
16...	1301	80513	80020	3.00	196	206	7.10	10.5	7.5
16...	1302	80513	80020	10.0	196	206	7.10	10.5	7.4
16...	1303	80513	80020	20.0	196	207	7.20	10.5	7.4
16...	1305	80513	80020	25.0	196	206	7.20	10.5	7.3
16...	1307	80513	80020	30.0	196	207	7.20	10.5	7.4
16...	1310	80513	80020	40.0	196	206	7.20	10.5	7.4
16...	1312	80513	80020	50.0	196	206	7.20	10.5	7.4
16...	1314	80513	80020	60.0	196	206	7.30	10.5	7.4
16...	1316	80513	80020	70.0	196	206	7.30	10.5	7.3
16...	1318	80513	80020	80.0	196	205	7.30	10.5	7.3
16...	1319	80513	80020	90.0	196	206	7.30	10.5	7.3
16...	1320	80513	80020	100	196	204	7.30	10.5	7.3
16...	1322	80513	80020	110	196	205	7.30	10.5	7.3
16...	1324	80513	80020	120	196	205	7.30	10.5	7.3
16...	1326	80513	80020	130	196	205	7.30	10.5	7.3
16...	1328	80513	80020	140	196	205	7.40	10.5	7.5
16...	1330	80513	80020	150	196	210	7.40	10.5	7.8
16...	1332	80513	80020	160	196	210	7.40	10.5	7.9
16...	1334	80513	80020	170	196	209	7.50	10.5	8.0
16...	1336	80513	80020	180	196	210	7.40	10.5	7.8
16...	1338	80513	80020	190	196	210	7.40	10.5	6.9
16...	1340	80513	80020	196	196	209	7.40	10.0	6.5

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	BARO-METRIC PRES-SURE 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 CAC03) (00900)
DEC								
16..	1300	750	2.00	3	--	--	--	--
16...	1305	750	--	--	5	1.3	1.0	100
16...	1320	750	--	--	5	1.1	1.3	100

DATE	TIME	ALKA-LINITY FIELD (MG/L AS CAC03) (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)	PHOS-PHORUS, TOTAL (MG/L AS P04) (71886)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)
DEC								
16..	1301	--	.20	.010	<.010	.03	.700	<.100
16...	1305	104	.20	.010	<.010	.03	--	--
16..	1320	90	.20	.010	<.010	.03	--	--

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 OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
JAN											
08...	1230	80513	80020	.00	188	214	7.60	7.5	9.8	759	2.80
08...	1232	80513	80020	10.0	188	214	7.80	7.5	9.6	759	--
08...	1234	80513	80020	20.0	188	212	7.80	7.5	9.6	759	--
08...	1236	80513	80020	30.0	188	213	7.80	7.5	9.5	759	--
08...	1238	80513	80020	40.0	188	212	7.80	7.5	9.4	759	--
08...	1240	80513	80020	50.0	188	213	7.80	7.5	9.4	759	--
08...	1242	80513	80020	60.0	188	211	7.80	7.5	9.4	759	--
08...	1244	80513	80020	70.0	188	213	7.80	7.5	9.4	759	--
08...	1246	80513	80020	80.0	188	211	7.80	7.5	9.3	759	--
08...	1248	80513	80020	90.0	188	212	7.80	7.5	9.3	759	--
08...	1250	80513	80020	100	188	211	7.80	7.5	9.3	759	--
08...	1252	80513	80020	110	188	210	7.80	7.5	9.3	759	--
08...	1254	80513	80020	120	188	210	7.80	7.5	9.3	759	--
08...	1256	80513	80020	130	188	212	7.80	7.5	9.3	759	--
08...	1258	80513	80020	140	188	212	7.80	7.5	9.3	759	--
08...	1300	80513	80020	150	188	209	7.80	7.5	9.3	759	--
08...	1302	80513	80020	160	188	209	7.80	7.5	9.2	759	--
08...	1304	80513	80020	170	188	211	7.80	7.5	9.2	759	--
08...	1308	80513	80020	180	188	211	7.80	7.5	9.2	759	--
08...	1310	80513	80020	188	188	208	7.80	7.5	9.2	759	--
FEB											
20...	1015	80513	80020	.00	176	217	8.40	6.5	12.3	740	2.70
20...	1017	80513	80020	10.0	176	215	8.40	6.5	12.3	740	--
20...	1018	80513	80020	20.0	176	216	8.30	6.0	11.7	740	--
20...	1020	80513	80020	30.0	176	216	8.20	6.0	11.4	740	--
20...	1022	80513	80020	40.0	176	217	8.20	6.0	11.3	740	--
20...	1024	80513	80020	50.0	176	215	8.20	6.0	11.2	740	--
20...	1026	80513	80020	60.0	176	215	8.20	6.0	11.2	740	--
20...	1028	80513	80020	70.0	176	214	8.20	6.0	11.1	740	--
20...	1030	80513	80020	80.0	176	216	8.20	6.0	11.0	740	--
20...	1032	80513	80020	90.0	176	214	8.20	6.0	11.0	740	--
20...	1034	80513	80020	100	176	217	8.20	6.0	10.9	740	--
20...	1036	80513	80020	110	176	217	8.20	6.0	10.8	740	--
20...	1038	80513	80020	120	176	216	8.20	5.5	10.7	740	--
20...	1040	80513	80020	130	176	216	8.20	5.5	10.7	740	--
20...	1042	80513	80020	140	176	216	8.20	5.5	10.6	740	--
20...	1044	80513	80020	150	176	217	8.20	5.5	10.5	740	--
20...	1046	80513	80020	160	176	217	8.10	5.5	10.3	740	--
20...	1048	80513	80020	170	176	217	8.10	5.5	10.3	740	--
20...	1050	80513	80020	176	176	217	8.10	5.5	10.3	740	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)
MAR											
05...	1130	80513	80020	.00	185	217	8.00	7.5	12.1	738	2.20
05...	1132	80513	80020	10.0	185	219	8.10	7.0	12.1	738	--
05...	1134	80513	80020	20.0	185	222	8.10	7.0	11.9	738	--
05...	1136	80513	80020	30.0	185	222	8.20	7.0	11.8	738	--
05...	1138	80513	80020	40.0	185	222	8.10	7.0	11.8	738	--
05...	1140	80513	80020	50.0	185	222	8.10	7.0	11.7	738	--
05...	1142	80513	80020	60.0	185	222	8.10	7.0	11.6	738	--
05...	1144	80513	80020	70.0	185	221	8.10	7.0	11.6	738	--
05...	1146	80513	80020	80.0	185	221	8.10	6.5	11.5	738	--
05...	1148	80513	80020	90.0	185	221	8.10	6.5	11.5	738	--
05...	1150	80513	80020	100	185	220	8.10	6.5	11.5	738	--
05...	1152	80513	80020	110	185	223	8.10	6.5	11.4	738	--
05...	1154	80513	80020	120	185	223	8.00	6.0	11.1	738	--
05...	1156	80513	80020	130	185	219	8.00	6.0	11.0	738	--
05...	1158	80513	80020	140	185	221	8.00	6.0	10.9	738	--
05...	1200	80513	80020	150	185	225	7.90	6.0	10.4	738	--
05...	1202	80513	80020	160	185	230	7.80	5.5	10.1	738	--
05...	1204	80513	80020	170	185	233	7.80	5.5	9.9	738	--
05...	1206	80513	80020	180	185	234	7.70	5.5	9.4	738	--
05...	1210	80513	80020	185	185	233	7.70	5.5	9.3	738	--
APR											
09...	1430	80513	80020	.00	191	209	8.20	12.5	12.1	747	2.50
09...	1432	80513	80020	10.0	191	209	8.20	12.5	11.6	747	--
09...	1434	80513	80020	20.0	191	207	8.20	11.5	11.6	747	--
09...	1436	80513	80020	30.0	191	207	8.20	11.0	11.2	747	--
09...	1438	80513	80020	40.0	191	208	8.10	10.5	11.0	747	--
09...	1440	80513	80020	43.0	191	209	7.90	9.5	10.8	747	--
09...	1442	80513	80020	50.0	191	209	7.90	9.5	10.7	747	--
09...	1444	80513	80020	60.0	191	209	7.80	9.0	10.5	747	--
09...	1446	80513	80020	70.0	191	209	7.80	8.5	10.4	747	--
09...	1448	80513	80020	80.0	191	209	7.80	8.5	10.2	747	--
09...	1450	80513	80020	90.0	191	209	7.70	8.0	10.2	747	--
09...	1452	80513	80020	100	191	209	7.70	8.0	10.1	747	--
09...	1454	80513	80020	110	191	208	7.70	7.5	10.0	747	--
09...	1456	80513	80020	120	191	209	7.60	7.0	9.9	747	--
09...	1458	80513	80020	130	191	208	7.60	7.0	9.8	747	--
09...	1500	80513	80020	140	191	208	7.60	6.5	9.8	747	--
09...	1502	80513	80020	150	191	211	7.60	6.0	9.5	747	--
09...	1504	80513	80020	160	191	211	7.60	6.0	9.3	747	--
09...	1506	80513	80020	170	191	213	7.50	6.0	9.1	747	--
09...	1508	80513	80020	180	191	214	7.50	6.0	9.0	747	--
09...	1510	80513	80020	190	191	214	7.50	6.0	9.0	747	--
09...	1515	80513	80020	191	191	214	7.50	6.0	8.9	747	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)
MAY								
07...	1200	80513	80010	.00	186	212	8.80	18.5
07...	1201	80513	80020	3.00	186	213	8.90	18.5
07...	1202	80513	80020	10.0	186	213	8.80	18.5
07...	1204	80513	80020	20.0	186	213	8.80	18.0
07...	1205	80513	80020	25.0	186	213	8.60	17.0
07...	1206	80513	80020	30.0	186	211	8.30	15.5
07...	1208	80513	80020	35.0	186	209	8.20	14.5
07...	1210	80513	80020	40.0	186	212	8.20	14.0
07...	1212	80513	80020	50.0	186	209	8.00	13.0
07...	1214	80513	80020	60.0	186	208	7.80	11.0
07...	1216	80513	80020	70.0	186	202	7.80	9.5
07...	1218	80513	80020	80.0	186	207	7.80	9.0
07...	1219	80513	80020	90.0	186	209	7.80	9.0
07...	1220	80513	80020	100	186	210	7.80	8.5
07...	1222	80513	80020	110	186	210	7.70	8.5
07...	1224	80513	80020	120	186	214	7.70	8.5
07...	1226	80513	80020	130	186	214	7.70	8.0
07...	1228	80513	80020	140	186	218	7.70	7.5
07...	1230	80513	80020	150	186	217	7.70	7.0
07...	1232	80513	80020	160	186	222	7.60	6.5
07...	1234	80513	80020	170	186	225	7.60	6.5
07...	1236	80513	80020	180	186	228	7.60	6.5
07...	1240	80513	80020	186	186	226	7.60	6.5

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, 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								
07...	1200	10.1	743	3.00	0	--	--	--
07...	1201	10.4	743	--	--	--	--	--
07...	1202	10.7	743	--	--	--	--	--
07...	1204	11.2	743	--	--	--	--	--
07...	1205	8.7	743	--	--	5	1.0	1.2
07...	1206	8.0	743	--	--	--	--	--
07...	1208	7.6	743	--	--	--	--	--
07...	1210	7.6	743	--	--	--	--	--
07...	1212	7.2	743	--	--	--	--	--
07...	1214	7.9	743	--	--	--	--	--
07...	1216	8.0	743	--	--	--	--	--
07...	1218	8.2	743	--	--	--	--	--
07...	1219	8.5	743	--	--	--	--	--
07...	1220	8.5	743	--	--	5	1.0	.6
07...	1222	8.6	743	--	--	--	--	--
07...	1224	8.5	743	--	--	--	--	--
07...	1226	8.4	743	--	--	--	--	--
07...	1228	7.9	743	--	--	--	--	--
07...	1230	8.1	743	--	--	--	--	--
07...	1232	7.8	743	--	--	--	--	--
07...	1234	7.8	743	--	--	--	--	--
07...	1236	7.4	743	--	--	--	--	--
07...	1240	7.3	743	--	--	--	--	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LITY 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								
07..	1201	--	--	--	.010	<.010	1.20	<.100
07...	1205	110	98	.40	.010	<.010	--	--
07...	1220	100	132	.60	.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 UNIT S) (00400)	TEMPER- ATURE (DEG C) (00010)
JUN								
04...	1330	80513	80020	.00	188	190	8.60	25.5
04...	1331	80513	80020	3.00	188	191	8.70	24.5
04...	1332	80513	80020	10.0	188	191	8.70	23.5
04...	1334	80513	80020	15.0	188	192	8.70	22.0
04...	1336	80513	80020	17.0	188	196	8.70	21.5
04...	1338	80513	80020	20.0	188	199	8.50	20.5
04...	1340	80513	80020	23.0	188	202	8.40	19.5
04...	1342	80513	80020	26.0	188	206	8.20	19.0
04...	1344	80513	80020	30.0	188	207	8.00	18.0
04...	1346	80513	80020	35.0	188	207	7.80	16.0
04..	1348	80513	80020	40.0	188	205	7.70	15.0
04...	1350	80513	80020	45.0	188	207	7.70	14.5
04...	1352	80513	80020	50.0	188	206	7.60	13.5
04...	1354	80513	80020	60.0	188	196	7.50	12.5
04...	1356	80513	80020	70.0	188	186	7.50	11.5
04...	1358	80513	80020	80.0	188	190	7.50	10.5
04...	1400	80513	80020	90.0	188	202	7.50	10.0
04...	1402	80513	80020	100	188	196	7.50	9.0
04..	1404	80513	80020	110	188	196	7.50	9.0
04...	1406	80513	80020	120	188	197	7.60	8.5
04...	1408	80513	80020	130	188	197	7.60	8.0
04...	1410	80513	80020	140	188	213	7.50	8.0
04...	1412	80513	80020	150	188	215	7.50	7.5
04...	1414	80513	80020	160	188	222	7.50	7.0
04..	1416	80513	80020	170	188	223	7.40	7.0
04...	1418	80513	80020	180	188	224	7.40	7.0
04...	1420	80513	80020	188	188	224	7.40	7.0

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		OXYGEN DIS- SOLVED (MG/L) (00300)	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)		
JUN									
04...	1330	8.5	745	6.0	--	--	--		
04...	1331	8.6	745	--	.20	<.010	<.010		
04...	1332	9.0	745	--	--	--	--		
04...	1334	9.1	745	--	--	--	--		
04...	1336	8.4	745	--	--	--	--		
04...	1338	8.3	745	--	--	--	--		
04...	1340	7.4	745	--	--	--	--		
04...	1342	7.0	745	--	--	--	--		
04...	1344	6.6	745	--	--	--	--		
04...	1346	6.0	745	--	--	--	--		
04...	1348	5.9	745	--	--	--	--		
04...	1350	5.8	745	--	--	--	--		
04...	1352	5.7	745	--	--	--	--		
04...	1354	6.0	745	--	--	--	--		
04...	1356	6.1	745	--	--	--	--		
04...	1358	6.5	745	--	--	--	--		
04...	1400	6.8	745	--	--	--	--		
04...	1402	7.3	745	--	--	--	--		
04...	1404	7.5	745	--	--	--	--		
04...	1406	7.7	745	--	--	--	--		
04...	1408	7.8	745	--	--	--	--		
04...	1410	7.1	745	--	--	--	--		
04...	1412	6.9	745	--	--	--	--		
04...	1414	6.1	745	--	--	--	--		
04...	1416	5.8	745	--	--	--	--		
04...	1418	5.2	745	--	--	--	--		
04...	1420	4.4	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) (90010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL									
10..	0830	80513	80020	.00	185	195	8.70	29.0	7.8
10...	0831	80513	80020	3.00	185	195	8.70	29.5	7.8
10...	0832	80513	80020	10.0	185	195	8.70	29.5	7.8
10...	0834	80513	80020	20.0	185	195	8.70	29.0	8.2
10...	0836	80513	80020	25.0	185	200	8.70	27.5	9.1
10...	0838	80513	80020	26.0	185	205	8.70	26.0	9.7
10...	0840	80513	80020	27.0	185	209	8.70	25.0	10.1
10...	0842	80513	80020	28.0	185	211	8.60	23.5	9.9
10...	0844	80513	80020	29.0	185	213	8.60	22.0	9.5
10...	0846	80513	80020	30.0	185	215	8.50	21.5	9.2
10...	0850	80513	80020	33.0	185	214	8.40	20.5	8.4
10...	0852	80513	80020	37.0	185	213	8.10	19.0	6.7
10.	0854	80513	80020	40.0	185	213	7.90	18.0	5.6
10...	0856	80513	80020	45.0	185	213	7.70	16.5	4.9
10...	0858	80513	80020	50.0	185	215	7.60	15.5	4.1
10...	0900	80513	80020	55.0	185	213	7.60	14.5	3.9
10..	0902	80513	80020	60.0	185	208	7.50	13.5	3.9
10...	0904	80513	80020	70.0	185	196	7.40	13.0	4.2
10...	0906	80513	80020	80.0	185	185	7.40	12.0	4.6
10...	0908	80513	80020	90.0	185	197	7.40	11.0	5.1
10...	0910	80513	80020	100	185	213	7.40	10.5	5.5
10...	0912	80513	80020	110	185	205	7.40	9.5	5.9
10...	0914	80513	80020	120	185	199	7.40	9.0	6.4
10...	0916	80513	80020	130	185	198	7.40	9.0	6.6
10...	0918	80513	80020	140	185	203	7.40	8.5	6.3
10...	0920	80513	80020	150	185	215	7.40	8.0	5.4
10...	0922	80513	80020	160	185	223	7.40	8.0	4.6
10...	0924	80513	80020	170	185	224	7.30	7.5	3.6
10...	0926	80513	80020	180	185	227	7.30	7.5	3.2
10...	0928	80513	80020	185	185	226	7.30	7.5	2.8

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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 10...	0830	745	3.4	--	--	--	--	--
10...	0831	745	--	<.10	.010	<.050	1.20	<.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)
AUG								
07...	0815	80513	80020	.00	182	190	8.70	28.0
07...	0816	80513	80020	3.00	182	191	8.70	28.0
07...	0818	80513	80020	10.0	182	191	8.70	28.0
07...	0820	80513	80020	20.0	182	191	8.60	28.0
07...	0822	80513	80020	35.0	182	191	8.60	28.0
07...	0824	80513	80020	28.0	182	201	8.40	26.5
07...	0826	80513	80020	30.0	182	211	8.10	25.5
07...	0828	80513	80020	31.0	182	217	8.00	24.0
07..	0830	80513	80020	32.0	182	219	7.90	23.5
07...	0832	80513	80020	34.0	182	220	7.80	22.5
07...	0834	80513	80020	35.0	182	221	7.70	21.0
07...	0836	80513	80020	37.0	182	221	7.60	20.0
07...	0838	80513	80020	40.0	182	222	7.60	18.5
07...	0840	80513	80020	45.0	182	224	7.50	17.5
07...	0842	80513	80020	50.0	182	224	7.50	16.5
07...	0844	80513	80020	55.0	182	225	7.50	15.5
07..	0846	80513	80020	60.0	182	219	7.50	14.5
07...	0848	80513	80020	70.0	182	217	7.50	13.5
07...	0850	80513	80020	80.0	182	210	7.50	13.0
07...	0852	80513	80020	90.0	182	201	7.50	12.0
07..	0854	80513	80020	100	182	203	7.50	11.5
07...	0856	80513	80020	110	182	220	7.50	11.0
07...	0858	80513	80020	120	182	212	7.50	10.0
07...	0900	80513	80020	130	182	216	7.50	9.5
07..	0902	80513	80020	140	182	213	7.40	9.0
07...	0904	80513	80020	150	182	224	7.40	8.5
07...	0906	80513	80020	160	182	228	7.30	8.0
07...	0908	80513	80020	170	182	231	7.30	8.0
07..	0910	80513	80020	180	182	233	7.30	8.0
07...	0912	80513	80020	182	182	230	7.30	8.0

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	BARO- METRIC PRES- SURE (MM 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								
07...	0815	8.1	738	3.8	0	--	--	--
07...	0816	8.0	738	--	--	--	--	--
07...	0818	8.0	738	--	--	--	--	--
07...	0820	7.9	738	--	--	--	--	--
07...	0822	7.8	738	--	--	5	1.2	.7
07...	0824	6.7	738	--	--	--	--	--
07...	0826	5.8	738	--	--	--	--	--
07...	0828	5.6	738	--	--	--	--	--
07...	0830	5.3	738	--	--	--	--	--
07...	0832	4.8	738	--	--	--	--	--
07...	0834	4.3	738	--	--	--	--	--
07...	0836	3.4	738	--	--	--	--	--
07...	0838	2.7	738	--	--	--	--	--
07...	0840	2.3	738	--	--	--	--	--
07...	0842	2.0	738	--	--	--	--	--
07...	0844	2.1	738	--	--	--	--	--
07...	0846	2.1	738	--	--	--	--	--
07...	0848	2.6	738	--	--	--	--	--
07...	0850	3.1	738	--	--	--	--	--
07...	0852	3.6	738	--	--	--	--	--
07...	0854	3.8	738	--	--	5	.60	.4
07...	0856	4.0	738	--	--	--	--	--
07...	0858	4.2	738	--	--	--	--	--
07...	0900	4.4	738	--	--	--	--	--
07...	0902	3.9	738	--	--	--	--	--
07...	0904	2.8	738	--	--	--	--	--
07...	0906	1.6	738	--	--	--	--	--
07...	0908	1.0	738	--	--	--	--	--
07...	0910	.7	738	--	--	--	--	--
07...	0912	.7	738	--	--	--	--	--

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LILITY FIELD 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								
07...	0816	--	--	--	.010	<.010	38.0	3.00
07...	0822	92	82	<.10	<.010	<.010	--	--
07...	0854	96	94	.60	<.010	<.010	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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									
04...	1130	80513	80020	.00	172	192	8.60	26.0	8.3
04...	1131	80513	80020	3.00	172	192	8.70	26.0	8.3
04...	1132	80513	80020	10.0	172	192	8.70	26.0	8.2
04...	1134	80513	80020	20.0	172	192	8.70	25.5	8.2
04...	1136	80513	80020	30.0	172	192	8.60	25.5	7.4
04...	1138	80513	80020	32.0	172	204	8.00	24.5	4.3
04...	1140	80513	80020	35.0	172	216	7.60	23.5	1.6
04...	1142	80513	80020	37.0	172	224	7.50	22.5	.7
04...	1144	80513	80020	39.0	172	227	7.40	21.5	.4
04...	1146	80513	80020	40.0	172	229	7.40	21.0	.4
04...	1148	80513	80020	42.0	172	230	7.40	20.0	.3
04...	1150	80513	80020	45.0	172	231	7.40	18.5	.3
04...	1152	80513	80020	49.0	172	230	7.40	17.5	.2
04...	1154	80513	80020	50.0	172	231	7.40	17.5	.2
04...	1156	80513	80020	54.0	172	229	7.40	16.5	.2
04...	1158	80513	80020	60.0	172	225	7.40	15.5	.3
04...	1200	80513	80020	65.0	172	217	7.40	15.0	.5
04...	1202	80513	80020	70.0	172	211	7.40	14.0	1.0
04...	1204	80513	80020	80.0	172	208	7.40	13.5	1.6
04...	1206	80513	80020	90.0	172	195	7.40	12.5	2.2
04...	1208	80513	80020	100	172	182	7.40	11.5	2.9
04...	1210	80513	80020	110	172	195	7.30	11.0	3.2
04...	1212	80513	80020	120	172	194	7.30	10.5	3.4
04...	1214	80513	80020	130	172	199	7.30	10.0	3.0
04...	1216	80513	80020	140	172	216	7.30	9.5	2.2
04...	1218	80513	80020	150	172	216	7.30	9.0	1.0
04...	1220	80513	80020	160	172	222	7.20	8.5	.5
04...	1222	80513	80020	170	172	230	7.20	8.5	.3
04...	1225	80513	80020	172	172	231	7.20	8.5	.3

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)
SEP								
04...	1130	740	3.8	--	--	--	--	--
04...	1131	740	--	<.10	<.010	<.010	7.50	.500

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)
SEP											
18...	0900	80513	80020	.00	178	201	8.60	23.5	8.3	741	4.0
18...	0902	80513	80020	10.0	178	201	8.60	23.5	8.1	741	--
18...	0904	80513	80020	20.0	178	202	8.60	23.5	8.1	741	--
18...	0906	80513	80020	30.0	178	202	8.60	23.5	8.0	741	--
18...	0908	80513	80020	38.0	178	227	7.70	21.5	1.0	741	--
18...	0910	80513	80020	40.0	178	234	7.50	20.5	.2	741	--
18...	0912	80513	80020	42.0	178	239	7.50	19.0	.2	741	--
18...	0914	80513	80020	45.0	178	239	7.50	18.0	.2	741	-
18...	0916	80513	80020	50.0	178	234	7.50	17.0	.2	741	--
18...	0918	80513	80020	57.0	178	233	7.40	16.5	.1	741	-
18...	0920	80513	80020	60.0	178	232	7.40	16.0	.2	741	--
18...	0922	80513	80020	70.0	178	229	7.40	14.5	.3	741	--
18...	0924	80513	80020	80.0	178	216	7.40	13.5	1.1	741	--
18...	0926	80513	80020	90.0	178	194	7.40	13.0	1.9	741	--
18...	0928	80513	80020	100	178	184	7.30	12.0	2.6	741	--
18...	0930	80513	80020	110	178	188	7.30	11.5	2.9	741	--
18...	0932	80513	80020	120	178	206	7.30	11.0	2.9	741	--
18...	0934	80513	80020	130	178	210	7.30	10.5	2.7	741	--
18...	0936	80513	80020	140	178	227	7.30	10.0	1.7	741	--
18...	0938	80513	80020	150	178	232	7.30	9.0	.4	741	--
18...	0940	80513	80020	160	178	232	7.20	9.0	.2	741	--
18...	0942	80513	80020	170	178	243	7.30	8.5	.2	741	--
18...	0945	80513	80020	178	178	246	7.30	8.5	.2	741	--

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 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	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)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
OCT, 1985									
11...	0900	80513	80020	191	7.40	11.5	4.7	44	748
22...	0930	80513	80020	178	7.10	12.0	4.6	43	748
NOV									
06...	0830	80513	80020	199	7.40	11.5	7.5	70	750
21...	0800	80513	80020	213	7.50	10.5	9.4	85	755
DEC									
16...	1230	80513	80020	210	7.50	10.5	8.0	72	754
JAN, 1986									
08...	1200	80513	80020	213	7.80	7.0	10.0	82	765
FEB									
20...	0945	80513	80020	221	8.10	6.0	12.2	101	740
MAR									
05...	1100	80513	80020	230	7.70	6.5	12.1	101	744
APR									
09...	1400	80513	80020	211	7.70	8.0	10.8	92	753
MAY									
07...	1115	80513	80020	215	7.70	9.0	9.2	81	748
JUN									
04...	1300	80513	80020	213	8.10	9.5	8.3	75	742
JUL									
10...	0800	80513	80020	211	7.70	9.5	7.5	67	750
AUG									
07...	0745	80513	80020	216	7.40	10.0	6.5	59	743
SEP									
04...	1100	80513	80020	221	7.50	13.0	6.6	64	745
18...	0800	80513	80020	222	7.60	12.5	8.9	85	746
DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	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)
DEC, 1985									
16...	1230	5	6.4	1.3	5	92	.20	.020	<.010
MAY, 1986									
07...	1115	5	1.0	.8	0	108	.80	.030	.020
AUG, 1986									
07...	0745	5	1.0	.5	3	94	.70	.010	<.010

WHITE RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
OCT, 1985										
09...	1400	1028	80020	208	7.40	12.0	--	4.4	40	775
NOV										
15...	0740	1028	80020	211	7.20	13.0	--	5.6	52	778
DEC										
06...	0730	1028	80020	212	7.50	12.0	--	8.0	72	781
11...	1235	80513	80020	212	7.60	11.0	2.5	8.0	74	751
11...	1240	80513	80020	214	7.60	11.0	2.4	8.0	74	751
JAN, 1986										
08...	0730	1028	80020	218	8.00	7.0	--	10.6	84	790
FEB										
11...	0730	1028	80020	205	8.20	5.0	--	12.0	92	781
MAR										
21...	0730	1028	80020	218	7.90	6.0	--	10.2	79	788
APR										
09...	0800	1028	80020	240	7.60	5.5	--	10.7	83	778
MAY										
08...	1305	80513	80020	215	6.60	8.5	1.0	9.8	85	747
08...	1310	80513	80020	215	6.60	8.5	1.0	9.7	85	747
13...	1400	1028	80020	240	7.80	8.5	--	11.1	94	769
JUN										
02...	1520	1028	80020	212	8.20	10.0	--	11.4	101	764
JUL										
10...	0745	1028	80020	226	7.30	10.5	--	7.6	67	772
AUG										
04...	1740	1028	80020	218	7.50	13.5	--	7.0	66	776
06...	1355	80513	80020	209	7.70	18.0	4.0	7.6	83	740
06...	1400	80513	80020	209	7.70	18.0	3.0	7.6	83	740
SEP										
18...	0745	1028	80020	210	7.00	11.5	--	5.5	50	775

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	HARD- NESS (MG/L AS CACO3) (00900)	HARD- NESS, NONCAR- BONATE (MG/L 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)
OCT, 1985									
09...	1400	K260	98	12	32	4.3	3.2	7	.1
NOV									
15...	0740	1100	--	--	--	--	--	--	--
DEC									
06...	0730	31	--	--	--	--	--	--	--
11...	1235	--	100	--	--	--	--	--	--
11...	1240	--	100	--	--	--	--	--	--
JAN, 1986									
08...	0730	K10	110	6	35	5.5	3.1	6	.1
FEB									
11...	0730	K5	--	--	--	--	--	--	--
MAR									
21...	0730	21	--	--	--	--	--	--	--
APR									
09...	0800	58	110	6	35	5.9	3.0	5	.1
MAY									
08...	1305	--	110	--	--	--	--	--	--
08...	1310	--	110	--	--	--	--	--	--
13...	1400	K4	--	--	--	--	--	--	--
JUN									
02...	1520	130	--	--	--	--	--	--	--
JUL									
10...	0745	140	110	11	34	5.3	2.9	5	.1
AUG									
04...	1740	49	--	--	--	--	--	--	--
06...	1355	--	100	--	--	--	--	--	--
06...	1400	--	100	--	--	--	--	--	--
SEP									
18...	0745	100	--	--	--	--	--	--	--

07053700 LAKE TANEYCOMO AT BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
OCT, 1985									
09...	1400	1.6	85	9.2	4.3	<.10	112	.15	.60
NOV									
15...	0740	--	100	--	--	--	--	--	.50
DEC									
06...	0730	--	105	--	--	--	--	--	.20
11...	1235	--	112	--	--	--	--	--	.20
11...	1240	--	96	--	--	--	--	--	.20
JAN, 1986									
08...	0730	1.8	102	9.6	5.6	<.10	121	.16	.40
FEB									
11...	0730	--	99	--	--	--	--	--	.50
MAR									
21...	0730	--	103	--	--	--	--	--	.60
APR									
09...	0800	1.8	103	11	4.7	<.10	135	.18	1.3
MAY									
08...	1305	--	94	--	--	--	--	--	.70
08...	1310	--	94	--	--	--	--	--	.80
13...	1400	--	104	--	--	--	--	--	.70
JUN									
02...	1520	--	102	--	--	--	--	--	.70
JUL									
10...	0745	1.7	93	7.8	4.7	<.10	134	.18	.70
AUG									
04...	1740	--	97	--	--	--	--	--	.70
06...	1355	--	95	--	--	--	--	--	.60
06...	1400	--	98	--	--	--	--	--	.60
SEP									
18...	0745	--	95	--	--	--	--	--	.60

DATE	TIME	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CU) (01027)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	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)
OCT, 1985									
09...	1400	.050	.030	2	1	1	4	5	210
NOV									
15...	0740	.090	.020	--	--	--	--	--	--
DEC									
06...	0730	.070	.020	--	--	--	--	--	--
11...	1235	--	.010	--	--	--	--	--	--
11...	1240	--	.020	--	--	--	--	--	--
JAN, 1986									
08...	0730	.010	.010	<1	<1	2	6	<3	70
FEB									
11...	0730	.020	.020	--	--	--	--	--	--
MAR									
21...	0730	<.010	.020	--	--	--	--	--	--
APR									
09...	0800	.010	.030	<1	<1	3	4	11	<10
MAY									
08...	1305	--	.020	--	--	--	--	--	--
08...	1310	--	.020	--	--	--	--	--	--
13...	1400	.010	.050	--	--	--	--	--	--
JUN									
02...	1520	.020	.020	--	--	--	--	--	--
JUL									
10...	0745	.020	.010	<1	<1	1	3	6	<10
AUG									
04...	1740	.030	.020	--	--	--	--	--	--
06...	1355	.110	.060	--	--	--	--	--	--
06...	1400	--	.040	--	--	--	--	--	--
SEP									
18...	0745	.030	.030	--	--	--	--	--	--

WHITE RIVER BASIN

07053700 LAKE TANEYCOMO AT BRANSON, MO.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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, 1985									
09...	1400	1	4	140	230	<.1	<.10	8	30
JAN, 1986									
08...	0730	3	<1	3	50	<.1	<.10	<3	<10
APR									
09...	0800	1	3	7	20	<.1	<.10	5	<10
JUL									
10...	0745	<5	<5	22	40	<.1	<.10	14	10

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 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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 OF HG) (00025)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
OCT											
10...	0805	80513	80513	.00	170	256	8.10	19.5	7.0	753	5.0
10...	0807	80513	80513	10.0	170	256	8.10	19.5	6.9	753	--
10...	0810	80513	80513	20.0	170	257	8.10	19.5	6.6	753	--
10...	0812	80513	80513	30.0	170	257	8.10	19.5	6.3	753	--
10...	0814	80513	80513	40.0	170	256	8.10	19.5	6.1	753	--
10...	0816	80513	80513	50.0	170	256	8.00	19.5	5.8	753	--
10...	0818	80513	80513	60.0	170	256	8.00	19.5	5.2	753	--
10...	0820	80513	80513	70.0	170	255	7.80	19.0	4.5	753	--
10...	0822	80513	80513	75.0	170	255	7.60	18.0	1.8	753	--
10...	0824	80513	80513	80.0	170	253	7.40	17.5	.4	753	--
10...	0826	80513	80513	85.0	170	250	7.40	16.5	.3	753	--
10...	0828	80513	80513	90.0	170	252	7.40	16.5	.2	753	--
10...	0830	80513	80513	95.0	170	248	7.30	15.5	.3	753	--
10...	0832	80513	80513	100	170	246	7.40	15.0	.8	753	--
10...	0834	80513	80513	110	170	243	7.40	14.0	1.3	753	--
10...	0836	80513	80513	120	170	241	7.30	13.0	1.1	753	--
10...	0838	80513	80513	130	170	243	7.30	12.0	.5	753	--
10...	0840	80513	80513	140	170	242	7.30	11.0	.2	753	--
10...	0842	80513	80513	150	170	245	7.30	10.5	.2	753	--
10...	0844	80513	80513	160	170	247	7.30	10.0	.1	753	--
10...	0846	80513	80513	170	170	252	7.30	9.5	.1	753	--
NOV											
05...	0700	80513	80513	.00	168	254	8.10	18.5	7.1	756	3.7
05...	0702	80513	80513	10.0	168	254	8.10	18.5	7.0	756	--
05...	0704	80513	80513	20.0	168	254	8.10	18.5	7.0	756	--
05...	0706	80513	80513	30.0	168	254	8.10	18.5	6.4	756	--
05...	0708	80513	80513	40.0	168	254	8.10	18.5	6.3	756	--
05...	0710	80513	80513	50.0	168	252	8.00	18.5	6.3	756	--
05...	0712	80513	80513	60.0	168	252	7.90	18.5	6.3	756	--
05...	0714	80513	80513	70.0	168	250	7.90	18.0	6.2	756	--
05...	0716	80513	80513	80.0	168	250	7.80	18.0	6.0	756	--
05...	0718	80513	80513	85.0	168	250	7.60	17.0	4.2	756	--
05...	0720	80513	80513	90.0	168	248	7.60	16.0	1.7	756	--
05...	0722	80513	80513	100	168	247	7.50	15.5	.4	756	--
05...	0724	80513	80513	110	168	245	7.50	15.0	.3	756	--
05...	0726	80513	80513	120	168	241	7.40	14.5	.3	756	--
05...	0728	80513	80513	130	168	241	7.50	13.5	.4	756	--
05...	0730	80513	80513	140	168	241	7.40	12.5	.8	756	--
05...	0732	80513	80513	150	168	254	7.30	11.5	1.3	756	--
05...	0734	80513	80513	160	168	256	7.30	10.5	.7	756	--
05...	0736	80513	80513	168	168	258	7.30	9.5	.2	756	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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, DI-S- SOLVED (MG/L) (00300)
DEC									
10...	1445	80513	80020	.00	186	252	7.70	13.0	8.2
10...	1446	80513	80020	3.00	186	251	7.70	13.0	8.0
10...	1447	80513	80020	10.0	186	251	7.70	13.0	7.7
10...	1448	80513	80020	20.0	186	252	7.60	13.0	7.5
10...	1450	80513	80020	25.0	186	252	7.60	13.0	7.5
10...	1452	80513	80020	30.0	186	252	7.60	12.5	7.5
10...	1454	80513	80020	40.0	186	252	7.60	12.5	7.5
10...	1456	80513	80020	50.0	186	252	7.60	12.5	7.6
10...	1458	80513	80020	60.0	186	252	7.60	12.5	7.6
10...	1500	80513	80020	70.0	186	251	7.60	12.5	7.6
10...	1502	80513	80020	80.0	186	253	7.60	12.5	7.7
10...	1504	80513	80020	90.0	186	252	7.60	12.5	7.6
10...	1505	80513	80020	100	186	253	7.60	12.5	7.5
10...	1507	80513	80020	110	186	252	7.60	12.5	7.4
10...	1510	80513	80020	120	186	251	7.60	12.5	7.3
10...	1512	80513	80020	130	186	255	7.60	12.5	6.9
10...	1514	80513	80020	140	186	255	7.50	12.0	6.4
10...	1516	80513	80020	150	186	251	7.60	12.0	7.1
10...	1518	80513	80020	160	186	254	7.30	12.0	2.4
10...	1520	80513	80020	170	186	258	7.20	11.5	.3
10...	1522	80513	80020	180	186	259	7.10	10.5	.2
10...	1525	80513	80020	186	186	260	7.10	10.5	.2

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)
DEC								
10...	1445	752	2.40	1	--	--	--	--
10...	1450	752	--	--	5	.60	.5	130
10...	1505	752	--	--	5	.50	.8	130

DATE	TIME	ALKA- LITY 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)	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)
DEC								
10 ..	1446	--	.20	.010	<.010	.03	1.20	<.100
10...	1450	110	.20	<.010	<.010	--	--	--
10...	1505	124	.20	<.010	<.010	--	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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											
08...	0800	80513	80020	.00	176	239	8.40	7.5	10.3	770	3.3
08...	0802	80513	80020	10.0	176	240	8.20	7.5	10.1	770	--
08...	0804	80513	80020	20.0	176	239	8.20	7.5	9.9	770	--
08...	0806	80513	80020	30.0	176	239	8.20	7.5	9.9	770	--
08...	0808	80513	80020	40.0	176	239	8.10	8.0	9.8	770	--
08...	0810	80513	80020	50.0	176	238	8.10	8.0	9.7	770	--
08...	0812	80513	80020	60.0	176	238	8.10	8.0	9.7	770	--
08...	0814	80513	80020	70.0	176	238	8.10	8.0	9.7	770	--
08...	0816	80513	80020	80.0	176	238	8.10	8.0	9.7	770	--
08...	0818	80513	80020	90.0	176	238	8.10	8.0	9.6	770	--
08...	0820	80513	80020	100	176	238	8.10	8.0	9.6	770	--
08...	0822	80513	80020	110	176	238	8.10	8.0	9.6	770	--
08...	0824	80513	80020	120	176	238	8.10	8.0	9.6	770	--
08...	0826	80513	80020	130	176	235	8.00	8.0	9.6	770	--
08...	0828	80513	80020	140	176	235	8.00	8.0	9.6	770	--
08...	0830	80513	80020	150	176	237	8.00	8.0	9.5	770	--
08...	0832	80513	80020	160	176	235	8.00	8.0	9.5	770	--
08...	0834	80513	80020	170	176	236	8.00	8.0	9.5	770	--
08...	0836	80513	80020	176	176	234	8.00	8.0	9.5	770	--
FEB											
19...	1430	80513	80020	.00	175	242	8.00	9.5	11.6	760	2.90
19...	1432	80513	80020	10.0	175	243	8.20	8.5	11.7	760	--
19...	1434	80513	80020	20.0	175	242	8.00	7.5	10.1	760	--
19...	1436	80513	80020	30.0	175	241	8.00	6.5	10.8	760	--
19...	1438	80513	80020	40.0	175	242	8.00	6.5	10.7	760	--
19...	1440	80513	80020	50.0	175	241	8.00	6.5	10.6	760	--
19...	1442	80513	80020	60.0	175	241	8.00	6.5	10.6	760	--
19...	1444	80513	80020	70.0	175	242	8.00	6.5	10.6	760	--
19...	1446	80513	80020	80.0	175	241	8.00	6.5	10.6	760	--
19...	1448	80513	80020	90.0	175	240	8.00	6.5	10.6	760	--
19...	1450	80513	80020	100	175	239	8.00	6.0	10.6	760	--
19...	1452	80513	80020	110	175	243	8.00	6.0	10.7	760	--
19...	1454	80513	80020	120	175	240	8.00	6.0	10.6	760	--
19...	1456	80513	80020	130	175	240	8.00	6.0	10.6	760	--
19...	1458	80513	80020	140	175	242	8.00	6.0	10.6	760	--
19...	1500	80513	80020	150	175	241	8.00	6.0	10.6	760	--
19...	1502	80513	80020	160	175	242	8.00	6.0	10.6	760	--
19...	1503	80513	80020	170	175	239	8.00	6.0	10.6	760	--
19...	1505	80513	80020	175	175	241	8.00	6.0	10.5	760	--
MAR											
05...	0900	80513	80020	.00	174	242	8.40	7.5	13.1	750	1.60
05...	0902	80513	80020	10.0	174	242	8.40	7.5	13.0	750	--
05...	0904	80513	80020	20.0	174	242	8.40	7.5	12.8	750	--
05...	0906	80513	80020	30.0	174	241	8.40	7.5	12.6	750	--
05...	0908	80513	80020	40.0	174	243	8.40	7.0	12.5	750	--
05...	0910	80513	80020	50.0	174	242	8.40	7.0	12.4	750	--
05...	0912	80513	80020	60.0	174	241	8.40	7.0	12.5	750	--
05...	0914	80513	80020	70.0	174	241	8.40	7.0	12.4	750	--
05...	0916	80513	80020	80.0	174	241	8.30	7.0	12.2	750	--
05...	0918	80513	80020	90.0	174	242	8.30	7.0	12.1	750	--
05...	0920	80513	80020	100	174	241	8.30	7.0	12.0	750	--
05...	0922	80513	80020	110	174	241	8.20	6.5	11.9	750	--
05...	0924	80513	80020	120	174	240	8.20	6.5	11.8	750	--
05...	0926	80513	80020	130	174	240	8.20	6.5	11.7	750	--
05...	0928	80513	80020	140	174	240	8.20	6.5	11.5	750	--
05...	0930	80513	80020	150	174	240	8.10	6.0	11.2	750	--
05...	0932	80513	80020	160	174	241	8.10	6.0	11.0	750	--
05...	0934	80513	80020	170	174	244	8.10	6.0	10.9	750	--
05...	0935	80513	80020	174	174	241	8.10	6.0	10.8	750	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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 HG) (00025)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
APR											
09...	0830	80513	80020	.00	176	225	8.40	15.0	11.0	757	3.00
09...	0832	80513	80020	10.0	176	227	8.50	15.0	11.0	757	--
09...	0834	80513	80020	20.0	176	227	8.40	14.5	11.0	757	--
09...	0836	80513	80020	30.0	176	227	8.40	14.0	10.9	757	--
09...	0838	80513	80020	40.0	176	227	8.40	13.5	10.9	757	--
09...	0840	80513	80020	46.0	176	227	8.30	12.5	10.8	757	--
09...	0842	80513	80020	48.0	176	224	8.20	10.5	10.0	757	--
09...	0844	80513	80020	50.0	176	226	8.10	9.5	10.4	757	--
09...	0846	80513	80020	60.0	176	226	8.10	9.0	10.4	757	--
09...	0848	80513	80020	70.0	176	225	8.00	9.0	10.1	757	--
09...	0850	80513	80020	80.0	176	226	8.00	8.5	10.0	757	--
09...	0852	80513	80020	90.0	176	226	8.00	8.5	10.0	757	--
09...	0854	80513	80020	100	176	225	8.00	8.0	9.8	757	--
09...	0856	80513	80020	110	176	225	7.90	8.0	10.0	757	--
09...	0858	80513	80020	120	176	224	7.90	7.5	10.0	757	--
09...	0900	80513	80020	130	176	225	7.90	7.0	10.1	757	--
09...	0902	80513	80020	140	176	225	7.90	7.0	10.0	757	--
09...	0904	80513	80020	150	176	226	7.80	6.5	9.7	757	--
09...	0906	80513	80020	160	176	229	7.80	6.5	9.5	757	--
09...	0908	80513	80020	170	176	229	7.80	6.5	9.2	757	--
09...	0910	80513	80020	176	176	231	7.80	6.5	9.1	757	--

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)
MAY								
13...	1400	80513	80020	.00	175	235	8.20	
13...	1401	80513	80020	3.00	175	240	8.30	
13...	1402	80513	80020	10.0	175	240	8.30	
13...	1404	80513	80020	20.0	175	243	8.20	
13...	1405	80513	80020	25.0	175	241	8.10	
13...	1406	80513	80020	30.0	175	241	8.00	
13...	1408	80513	80020	40.0	175	241	7.80	
13...	1410	80513	80020	50.0	175	241	7.70	
13...	1412	80513	80020	60.0	175	240	7.60	
13...	1414	80513	80020	70.0	175	240	7.60	
13...	1416	80513	80020	80.0	175	240	7.50	
13...	1418	80513	80020	90.0	175	237	7.50	
13...	1420	80513	80020	100	175	234	7.50	
13...	1422	80513	80020	110	175	233	7.50	
13...	1424	80513	80020	120	175	231	7.50	
13...	1426	80513	80020	130	175	231	7.40	
13...	1428	80513	80020	140	175	231	7.40	
13...	1430	80513	80020	150	175	232	7.40	
13...	1432	80513	80020	160	175	235	7.40	
13...	1434	80513	80020	170	175	237	7.40	
13...	1435	80513	80020	175	175	236	7.40	

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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								
13 .	1400	9.0	750	5.6	0	--	--	--
13...	1401	9.2	750	--	--	--	--	--
13..	1402	9.4	750	--	--	--	--	--
13...	1404	9.3	750	--	--	--	--	--
13...	1405	9.0	750	--	--	5	1.2	.8
13...	1406	9.0	750	--	--	--	--	--
13..	1408	8.2	750	--	--	--	--	--
13...	1410	7.7	750	--	--	--	--	--
13...	1412	7.4	750	--	--	--	--	--
13...	1414	7.9	750	--	--	--	--	--
13...	1416	8.2	750	--	--	--	--	--
13...	1418	8.3	750	--	--	--	--	--
13...	1420	8.3	750	--	--	5	1.0	.4
13...	1422	8.6	750	--	--	--	--	--
13...	1424	8.6	750	--	--	--	--	--
13...	1426	8.4	750	--	--	--	--	--
13..	1428	8.3	750	--	--	--	--	--
13...	1430	8.0	750	--	--	--	--	--
13 ..	1432	7.8	750	--	--	--	--	--
13...	1434	7.5	750	--	--	--	--	--
13..	1435	6.9	750	--	--	--	--	--

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LITY 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								
13...	1401	--	--	--	<.010	<.010	.300	<.100
13...	1405	120	118	.20	.010	<.010	--	--
13..	1420	120	112	.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)
JUN									
03...	1500	80513	80020	.00	175	233	8.30	25.0	8.2
03...	1501	80513	80020	3.00	175	233	8.30	24.5	7.9
03 ..	1502	80513	80020	8.00	175	233	8.30	24.0	8.6
03...	1504	80513	80020	10.0	175	232	8.40	22.5	9.2
03...	1506	80513	80020	15.0	175	232	8.30	21.0	9.4
03...	1508	80513	80020	20.0	175	234	8.30	20.5	8.7
03...	1510	80513	80020	25.0	175	234	8.30	19.5	8.8
03...	1512	80513	80020	28.0	175	236	8.20	18.5	8.0
03 ..	1514	80513	80020	30.0	175	236	8.20	18.0	7.8
03...	1516	80513	80020	33.0	175	235	8.00	17.0	8.2
03...	1518	80513	80020	37.0	175	234	7.90	16.0	7.8
03...	1520	80513	80020	40.0	175	234	7.90	15.5	7.4
03...	1522	80513	80020	45.0	175	235	7.80	15.0	7.4
03...	1524	80513	80020	50.0	175	235	7.70	14.5	7.2
03 ..	1526	80513	80020	60.0	175	238	7.60	13.5	6.5
03...	1528	80513	80020	70.0	175	241	7.50	12.5	6.3
03 ..	1530	80513	80020	80.0	175	240	7.50	12.0	6.7
03...	1532	80513	80020	90.0	175	240	7.40	11.0	6.6
03 ..	1534	80513	80020	100	175	237	7.40	10.0	6.8
03...	1536	80513	80020	110	175	233	7.40	9.0	7.2
03 .	1538	80513	80020	120	175	231	7.30	8.5	7.5
03...	1540	80513	80020	130	175	229	7.20	8.0	7.4
03 ..	1542	80513	80020	140	175	227	7.10	8.0	7.2
03...	1544	80513	80020	150	175	227	7.10	7.5	7.0
03...	1546	80513	80020	160	175	228	7.10	7.5	6.7
03...	1548	80513	80020	170	175	228	7.10	7.0	6.3
03...	1550	80513	80020	175	175	230	7.10	7.0	6.1

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		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)	
DATE	TIME								
JUN									
03 .	1500	753	5.2	--	--	--	--	--	
03...	1501	753	--	<.10	<.010	<.010	.600	<.100	
		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)
DATE	TIME								
JUL									
09...	0900	80513	80020	.00	176	234	8.60	28.0	8.5
09...	0901	80513	80020	3.00	176	234	8.70	28.5	8.4
09...	0902	80513	80020	10.0	176	235	8.60	28.5	8.5
09...	0904	80513	80020	20.0	176	235	8.70	27.5	11.2
09...	0906	80513	80020	21.0	176	231	8.70	26.5	12.2
09...	0908	80513	80020	22.0	176	230	8.70	25.5	12.4
09...	0910	80513	80020	24.0	176	231	8.60	24.5	12.5
09...	0912	80513	80020	25.0	176	231	8.60	23.5	12.4
09...	0914	80513	80020	27.0	176	235	8.70	22.0	12.0
09...	0916	80513	80020	29.0	176	240	8.60	21.0	11.1
09...	0918	80513	80020	30.0	176	241	8.60	20.5	10.2
09...	0920	80513	80020	32.0	176	244	8.40	19.5	9.4
09...	0922	80513	80020	35.0	176	245	8.40	19.0	8.9
09...	0924	80513	80020	40.0	176	245	8.20	17.5	8.1
09...	0926	80513	80020	45.0	176	243	8.10	16.5	7.8
09...	0928	80513	80020	50.0	176	246	8.00	15.5	7.0
09...	0930	80513	80020	55.0	176	247	7.80	15.0	6.5
09...	0932	80513	80020	60.0	176	248	7.80	14.5	5.8
09...	0934	80513	80020	70.0	176	252	7.70	13.5	5.4
09...	0936	80513	80020	80.0	176	253	7.60	13.0	5.4
09...	0938	80513	80020	90.0	176	253	7.60	12.0	5.6
09...	0940	80513	80020	100	176	250	7.60	11.5	5.5
09...	0942	80513	80020	110	176	251	7.60	10.5	5.6
09...	0944	80513	80020	120	176	247	7.60	9.5	5.7
09...	0946	80513	80020	130	176	245	7.60	9.0	6.0
09...	0948	80513	80020	140	176	244	7.60	8.5	6.2
09...	0950	80513	80020	150	176	240	7.50	8.0	6.2
09...	0952	80513	80020	160	176	241	7.50	8.0	5.9
09...	0954	80513	80020	170	176	238	7.50	7.5	5.0
09...	0955	80513	80020	176	176	238	7.40	7.5	4.5
		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)	
DATE	TIME								
JUL									
09...	0900	755	5.8	--	--	--	--	--	
09...	0901	755	--	<.10	<.010	<.050	.800	<.100	

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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								
12...	0815	80513	80020	.00	172	236	8.70	27.5
12...	0816	80513	80020	3.00	172	235	8.70	27.5
12...	0817	80513	80020	10.0	172	235	8.70	28.0
12...	0818	80513	80020	20.0	172	235	8.70	28.0
12...	0820	80513	80020	25.0	172	235	8.70	28.0
12...	0822	80513	80020	29.0	172	235	8.60	26.5
12...	0824	80513	80020	30.0	172	232	8.70	24.0
12...	0826	80513	80020	31.0	172	231	8.70	23.0
12...	0828	80513	80020	35.0	172	235	8.70	21.5
12...	0830	80513	80020	37.0	172	243	8.70	20.5
12...	0832	80513	80020	40.0	172	255	8.40	19.5
12...	0834	80513	80020	45.0	172	259	7.90	18.0
12...	0836	80513	80020	50.0	172	258	7.80	17.5
12...	0838	80513	80020	55.0	172	262	7.70	17.0
12...	0840	80513	80020	60.0	172	263	7.70	16.5
12...	0842	80513	80020	67.0	172	262	7.60	15.5
12...	0844	80513	80020	70.0	172	262	7.60	15.0
12...	0846	80513	80020	80.0	172	256	7.60	14.0
12...	0848	80513	80020	90.0	172	253	7.60	13.5
12...	0850	80513	80020	100	172	254	7.60	12.5
12...	0852	80513	80020	110	172	255	7.60	12.0
12...	0854	80513	80020	120	172	258	7.60	11.0
12...	0856	80513	80020	130	172	254	7.60	10.0
12...	0858	80513	80020	140	172	257	7.60	9.0
12...	0900	80513	80020	150	172	256	7.50	8.5
12...	0902	80513	80020	160	172	255	7.50	8.5
12...	0904	80513	80020	170	172	253	7.50	8.0
12...	0905	80513	80020	172	172	251	7.50	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								
12...	0815	8.6	750	5.2	1	--	--	--
12...	0816	8.4	750	--	--	--	--	--
12...	0817	8.2	750	--	--	--	--	--
12...	0818	8.1	750	--	--	--	--	--
12...	0820	8.1	750	--	--	5	.50	1.1
12...	0822	10.9	750	--	--	--	--	--
12...	0824	13.4	750	--	--	--	--	--
12...	0826	13.5	750	--	--	--	--	--
12...	0828	12.9	750	--	--	--	--	--
12...	0830	11.5	750	--	--	--	--	--
12...	0832	8.7	750	--	--	--	--	--
12...	0834	5.7	750	--	--	--	--	--
12...	0836	4.8	750	--	--	--	--	--
12...	0838	3.7	750	--	--	--	--	--
12...	0840	3.7	750	--	--	--	--	--
12...	0842	3.7	750	--	--	--	--	--
12...	0844	3.8	750	--	--	--	--	--
12...	0846	4.3	750	--	--	--	--	--
12...	0848	4.7	750	--	--	--	--	--
12...	0850	4.8	750	--	--	5	.40	1.7
12...	0852	4.8	750	--	--	--	--	--
12...	0854	4.7	750	--	--	--	--	--
12...	0856	4.2	750	--	--	--	--	--
12...	0858	3.7	750	--	--	--	--	--
12...	0900	3.1	750	--	--	--	--	--
12...	0902	2.9	750	--	--	--	--	--
12...	0904	2.8	750	--	--	--	--	--
12...	0905	2.3	750	--	--	--	--	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LITY 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)	
DATE	TIME								
AUG									
12 ..	0816	--	--	--	<.010	<.010	1.30	<.100	
12...	0820	110	106	<.10	<.010	<.010	--	--	
12 .	0850	130	122	.60	<.010	<.010	--	--	
		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 UNIT S) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DATE	TIME								
SEP									
04...	0810	80513	80020	.00	169	235	8.70	26.0	9.2
04...	0811	80513	80020	3.00	169	235	8.60	26.0	9.0
04 ..	0812	80513	80020	10.0	169	235	8.60	26.0	8.9
04...	0814	80513	80020	20.0	169	235	8.60	26.0	8.8
04..	0816	80513	80020	27.0	169	248	8.40	25.0	9.1
04...	0818	80513	80020	30.0	169	241	8.50	24.0	13.1
04...	0820	80513	80020	31.0	169	236	8.50	22.5	13.3
04...	0822	80513	80020	33.0	169	240	8.50	22.0	12.2
04 ..	0824	80513	80020	36.0	169	246	8.40	20.5	10.9
04...	0826	80513	80020	40.0	169	260	8.00	19.5	6.4
04...	0828	80513	80020	43.0	169	266	7.60	19.0	3.1
04...	0830	80513	80020	50.0	169	272	7.50	18.0	.8
04 ...	0832	80513	80020	60.0	169	264	7.40	17.0	1.1
04...	0834	80513	80020	70.0	169	262	7.40	16.0	1.6
04...	0836	80513	80020	80.0	169	260	7.40	15.0	2.6
04...	0838	80513	80020	90.0	169	261	7.40	14.0	3.3
04 ...	0840	80513	80020	100	169	254	7.50	13.5	3.6
04...	0842	80513	80020	110	169	255	7.50	12.5	4.0
04...	0844	80513	80020	120	169	256	7.50	12.0	3.6
04...	0846	80513	80020	130	169	258	7.50	10.5	2.8
04 ..	0848	80513	80020	140	169	261	7.40	9.5	1.9
04...	0850	80513	80020	150	169	258	7.40	9.0	1.4
04...	0852	80513	80020	160	169	259	7.40	8.5	.5
04...	0855	80513	80020	169	169	262	7.40	8.5	.3
		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)	
DATE	TIME								
SEP									
04...	0810	746	5.9	--	--	--	--	--	
04...	0811	746	--	<.10	<.010	<.010	1.40	.100	

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

LOCATION.--Lat 36°21'56", long 92°34'29", in NU 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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPF- 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)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
OCT. 1985									
10...	0730	80020	80513	249	7.40	14.5	2.4	24	758
NOV									
05...	0630	80513	80020	250	7.40	13.0	2.9	28	752
DEC									
10...	1415	80513	80020	249	7.50	12.5	7.2	69	752
JAN, 1986									
08...	0730	80513	80020	239	8.00	8.0	10.0	83	775
FEB									
19...	1400	80513	80020	242	7.80	6.5	11.2	91	760
MAR									
05...	0830	80513	80020	240	8.20	7.0	12.4	103	754
APR									
09...	0800	80513	80020	225	8.00	8.0	10.9	92	762
MAY									
13...	1330	80513	80020	235	7.60	9.5	9.1	81	753
JUN									
03...	1430	80513	80020	241	8.20	10.0	8.9	80	750
JUL									
09...	0820	80513	80020	262	7.50	10.5	10.0	90	760
AUG									
12...	0800	80513	80020	270	8.10	11.0	7.7	71	755
SEP									
04...	0745	80513	80020	266	7.40	12.5	6.1	58	751
DATE	TIME	COLOR (PLAT- INUM- COBALT UNIT S) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKA- LINITY FIELD (MG/L AS CAC03) (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)
DEC, 1985									
10...	1415	5	1.7	.7	1	120	.20	.010	<.010
MAY, 1986									
13...	1330	5	1.0	.6	0	120	.30	.030	<.010
AUG, 1986									
12...	0800	5	.40	2.4	0	120	.50	.010	<.010

WHITE RIVER BASIN

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 1985 TO SEPTEMBER 1986

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, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1985											
22...	1150	9827	9827	358	7.57	17.0	30	8.5	4	1.5	24
NOV											
12...	1205	9827	9827	366	7.69	15.0	3.0	10.0	3	.9	40
DEC											
10...	1330	9827	9827	325	7.78	14.0	3.0	10.5	2	1.4	330
JAN, 1986											
28...	1105	9827	9827	349	7.80	4.0	2.0	12.1	1	1.1	12
FEB											
25...	1130	9827	9827	308	7.99	11.0	2.0	11.5	6	1.0	230
MAR											
25...	1115	9827	9827	302	7.91	15.0	3.0	12.2	6	2.0	190
APR											
22...	1245	9827	9827	254	7.79	15.0	9.0	11.7	5	.5	330
MAY											
27...	1155	9827	9827	316	7.77	18.0	6.0	9.4	2	.8	420
JUN											
24...	1205	9827	9827	313	7.70	23.0	10	9.1	7	1.9	>600
JUL											
29...	1115	9827	9827	--	7.75	25.0	3.0	8.8	2	1.1	970
AUG											
26...	1305	9827	9827	348	7.78	25.0	3.5	9.8	3	1.4	180
SEP											
23...	1205	9827	9827	363	7.48	23.0	4.0	9.2	1	1.1	180

DATE	TIME	HARDNESS (MG/L AS CaCO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C SUS-PENDED (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, 1985										
22...	1150	160	10	7.0	212	39	1.8	.010	--	--
NOV										
12...	1205	160	8.0	7.0	213	<1	1.9	.010	.49	.50
DEC										
10...	1330	160	4.0	5.0	174	4	1.6	.030	.17	.20
JAN, 1986										
28...	1105	170	9.0	5.0	200	2	1.7	--	--	--
FEB										
25...	1130	150	9.0	8.0	178	5	1.1	.020	.08	.10
MAR										
25...	1115	150	9.0	7.0	172	6	.85	.010	.19	.20
APR										
22...	1245	120	6.0	5.0	151	6	.84	.050	--	<.10
MAY										
27...	1155	160	9.0	7.0	190	10	1.3	.010	.19	.20
JUN										
24...	1205	160	--	--	184	14	1.6	.030	--	<.10
JUL										
29...	1115	170	7.0	3.0	260	6	1.3	.050	.05	.10
AUG										
26...	1305	86	3.0	--	205	11	1.4	.040	--	<.10
SEP										
23...	1205	190	3.0	5.5	201	5	1.3	.020	--	<.10

07055565 CROOKED CREEK AT HARRISON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985										
22...	1150	--	--	.030	<1	--	<15	1	--	10
NOV										
12...	1205	2.4	.060	--	1	<1	<15	<1	--	20
DEC										
10...	1330	1.8	.040	.050	<1	<1	--	16	--	100
JAN, 1986										
28...	1105	--	.010	.020	<1	<1	<15	6	<.50	40
FEB										
25...	1130	1.2	.030	.040	<1	<1	<15	<1	--	20
MAR										
25...	1115	1.1	.050	.010	<1	<1	<15	<1	--	30
APR										
22...	1245	--	.020	.020	<1	<1	<15	<1	--	30
MAY										
27...	1155	1.5	.040	--	<1	<1	<15	2	--	<10
JUN										
24...	1205	--	.080	.130	<1	<1	<15	2	--	10
JUL										
29...	1115	1.4	.050	--	<1	<1	<15	2	--	<10
AUG										
26...	1305	--	.040	.020	<1	<1	<15	1	--	<10
SEP										
23...	1205	--	.030	.060	<1	--	<15	2	--	<10

WHITE RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO-CHFM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1985											
22...	1210	9827	9827	372	7.73	17.0	4.6	7.7	7	2.2	<4
NOV											
12...	1220	9827	9827	374	7.89	15.0	4.0	8.5	8	1.1	<4
DEC											
10...	1350	9827	9827	340	7.90	14.0	4.0	10.2	2	1.7	<4
JAN, 1986											
28...	1120	9827	9827	365	7.90	5.0	2.0	11.8	6	1.1	<4
FEB											
25...	1145	9827	9827	353	7.84	12.0	3.0	10.4	9	3.3	<4
MAR											
25...	1130	9827	9827	342	7.82	15.0	5.0	10.1	12	1.9	<4
APR											
22...	1300	9827	9827	257	7.93	15.0	9.0	12.6	8	1.4	>600
MAY											
27...	1210	9827	9827	342	7.78	18.0	10	9.0	7	2.0	4
JUN											
24...	1220	9827	9827	323	7.67	23.0	65	7.1	17	4.5	>600
JUL											
29...	1130	9827	9827	--	7.90	31.0	3.2	7.3	4	.6	52
AUG											
26...	1320	9827	9827	391	8.00	26.0	3.5	8.6	5	2.4	1500
SEP											
23...	1220	9827	9827	396	7.72	24.0	2.0	7.7	5	1.1	>240

DATE	TIME	HARD-NESS (MG/L AS CaCO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT, 1985										
22...	1210	180	14	11	231	12	2.4	.100	--	--
NOV										
12...	1220	180	9.0	13	228	1	2.4	.080	.32	.40
DEC										
10...	1350	160	6.0	7.5	188	6	1.9	.110	.00	.10
JAN, 1986										
28...	1120	180	10	10	218	3	2.1	--	--	--
FEB										
25...	1145	160	11	10	199	6	1.4	.950	.55	1.5
MAR										
25...	1130	150	12	11	198	5	1.3	.780	.62	1.4
APR										
22...	1300	120	8.0	7.0	165	8	1.2	--	--	--
MAY										
27...	1210	160	11	8.5	202	20	1.9	--	--	--
JUN										
24...	1220	150	--	--	191	58	1.8	.270	.43	.70
JUL										
29...	1130	180	8.0	9.0	216	7	1.7	.130	.17	.30
AUG										
26...	1320	170	8.0	--	223	9	2.2	.110	.00	.10
SEP										
23...	1220	170	9.0	10	223	6	1.9	.090	.71	.80

07055569 CROOKED CREEK NEAR HARRISON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO 1986

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)	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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985										
22...	1210	--	--	.370	<1	--	<15	3	--	10
NOV										
12...	1220	2.8	--	--	<1	<1	<15	<1	--	10
DEC										
10...	1350	2.0	.210	.200	<1	<1	--	4	--	30
JAN, 1986										
28...	1120	--	.390	.070	<1	<1	<15	<1	<.50	20
FEB										
25...	1145	2.9	.510	.450	<1	1	<15	<1	--	20
MAR										
25...	1130	2.7	.440	.440	<1	1	<15	<1	--	30
APR										
22...	1300	--	.040	--	<1	<1	<15	<1	--	30
MAY										
27...	1210	--	.430	--	<1	1	<15	2	--	<10
JUN										
24...	1220	2.5	.420	.340	<1	2	<15	4	--	<10
JUL										
29...	1130	2.0	.300	--	<1	<1	<15	2	--	<10
AUG										
26...	1320	2.3	.810	.750	<1	<1	<15	1	--	<10
SEP										
23...	1220	2.7	.420	.410	<1	--	<15	3	--	<10

WHITE RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
08...	1315	9827	9827	5.0	8.18	17.0	2.2	9.7	1.3
NOV									
05...	1315	9827	9827	19	8.25	13.0	1.0	12.3	--
DEC									
03...	1230	9827	9827	610	8.15	7.0	3.0	12.1	1.9
JAN, 1986									
14...	1215	9827	9827	200	8.27	7.0	1.0	14.5	4.3
FEB									
25...	1100	9827	9827	200	8.23	11.0	1.0	11.6	--
MAR									
11...	1140	9827	9827	180	8.24	14.0	2.0	10.2	2.4
APR									
08...	1030	9827	9827	430	8.01	17.0	30	9.0	1.5
MAY									
13...	1545	9827	9827	200	8.20	25.0	2.0	9.1	1.7
JUN									
10...	1145	9827	9827	900	7.98	24.0	140	7.7	3.6
JUL									
08...	1015	9827	9827	110	8.20	27.0	2.5	7.5	1.1
AUG									
12...	1100	9827	9827	190	8.76	24.0	1.0	8.9	1.4
DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CAC03) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
08...	1315	260	160	7.0	8.5	171	<1	.05	<.010
NOV									
05...	1315	4	140	9.0	8.5	183	2	.12	<.010
DEC									
03...	1230	52	170	11	5.0	212	8	1.2	<.010
JAN, 1986									
14...	1215	<4	180	8.0	7.0	203	1	--	.040
FEB									
25...	1100	20	170	9.0	6.5	190	2	.50	.040
MAR									
11...	1140	4	170	9.0	6.5	208	3	.44	.030
APR									
08...	1030	500	150	7.0	3.5	197	28	--	.010
MAY									
13...	1545	12	180	9.0	4.0	195	4	.38	.060
JUN									
10...	1145	3100	140	--	3.3	195	242	--	.020
JUL									
08...	1015	880	150	<1.0	4.5	174	5	.16	.050
AUG									
12...	1100	330	140	9.0	6.0	148	5	.10	.050

07055608 CROOKED CREEK AT YELLEVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
08...	1315	<.010	.040	1	--	<12	<1	--	<10
NOV									
05...	1315	.030	.020	<1	<1	<15	<1	--	--
DEC									
03...	1230	.040	.030	<1	<1	<15	1	--	40
JAN, 1986									
14...	1215	.030	<.010	<1	<1	<15	<1	<.50	<10
FEB									
25...	1100	.020	.030	--	<1	<15	1	--	<10
MAR									
11...	1140	.030	<.010	<1	1	<15	<1	--	<10
APR									
08...	1030	.080	--	<1	2	<15	1	--	10
MAY									
13...	1545	.040	<.010	<1	<1	26	1	--	<10
JUN									
10...	1145	.300	.090	<1	7	<15	10	--	10
JUL									
08...	1015	.030	--	<1	1	--	1	--	<10
AUG									
12...	1100	<.010	.030	<1	<1	<15	<1	--	<10

WHITE RIVER BASIN

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 mi².

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

AVERAGE DISCHARGE.--47 years, 1,037 ft³/s, 16.99 in/yr, 751,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 158,000 ft³/s Dec. 3, 1982, gage height, 53.75 ft from rating curve extended above 91,000 ft³/s; minimum, 6.6 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 19	1615	*33,100	*24.26	Apr. 8	1200	25,500	21.62
Nov. 27	1545	22,400	20.03				

Minimum discharge, 34 ft³/s Sept. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	161	3130	356	156	324	300	831	1300	147	50	55
2	45	162	3140	347	155	311	294	1090	1030	140	55	54
3	46	156	2180	333	160	295	409	859	803	128	49	53
4	46	152	1710	320	163	283	1110	725	815	119	48	53
5	44	150	1390	307	164	275	7700	643	696	110	48	51
6	44	147	1170	297	219	263	4160	585	2600	101	48	51
7	43	140	1030	287	571	255	2690	537	3530	95	48	50
8	42	135	920	276	775	250	18200	494	4590	91	60	48
9	40	131	834	265	722	246	8760	458	2450	88	53	48
10	39	126	769	248	644	246	4210	431	3200	85	53	48
11	38	121	763	230	580	249	2840	459	1940	81	52	48
12	36	120	1040	221	517	526	2140	526	1420	77	52	47
13	36	118	1040	214	465	1590	1670	466	1060	76	52	46
14	59	115	918	208	436	1220	1430	427	825	73	58	44
15	53	133	816	202	434	963	1340	408	672	71	73	41
16	49	396	761	199	437	817	1120	552	567	67	89	35
17	54	903	731	194	499	718	978	662	492	65	77	37
18	70	1000	703	192	616	650	881	1640	460	62	75	37
19	87	20300	663	191	610	670	1020	1250	422	61	76	36
20	83	9020	617	191	568	623	5030	946	376	59	70	37
21	100	3220	580	192	521	541	6010	754	343	57	64	37
22	172	1960	552	188	477	487	3440	642	300	56	58	38
23	166	1380	530	183	439	452	2430	569	265	54	62	39
24	156	1090	516	179	413	424	1870	530	241	53	61	40
25	144	916	491	173	390	401	1500	498	222	53	60	40
26	136	979	463	168	371	379	1230	537	205	55	59	40
27	130	14700	432	161	355	361	1060	495	190	54	66	40
28	126	9810	412	160	339	346	1060	465	181	52	66	38
29	124	4170	396	159	---	333	1020	427	169	51	58	36
30	123	2680	382	155	---	320	868	401	156	51	58	36
31	148	---	369	155	---	311	---	797	---	50	56	---
TOTAL	2524	74591	29448	6951	12196	15129	86770	20104	31520	2382	1854	1303
MEAN	81.4	2486	950	224	436	488	2892	649	1051	76.8	59.8	43.4
MAX	172	20300	3140	356	775	1590	18200	1640	4590	147	89	55
MIN	36	115	369	155	155	246	294	401	156	50	48	35
CFSM	.10	3.00	1.15	.27	.53	.59	3.49	.78	1.27	.09	.07	.05
IN.	.11	3.35	1.32	.31	.55	.68	3.89	.90	1.41	.11	.08	.06
AC-FT	5010	148000	58410	13790	24190	30010	172100	39880	62520	4720	3680	2580
CAL YR 1985	TOTAL	514607	MEAN	1410	MAX	48000	MIN	26	CFSM	1.70	IN.	23.09
WTR YR 1986	TOTAL	284772	MEAN	780	MAX	20300	MIN	35	CFSM	.94	IN.	12.78
											AC-FT	1021000
											AC-FT	564800

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985											
08...	1415	9827	9827	244	8.24	19.0	2.4	11.0	3	1.2	4
NOV											
05...	1415	9827	9827	245	8.27	15.0	1.0	11.4	4	--	<4
DEC											
03...	1400	9827	9827	147	7.89	7.0	8.0	10.9	4	1.8	32
JAN, 1986											
14...	1130	9827	9827	210	7.89	9.0	1.0	11.9	6	2.8	<4
FEB											
25...	0948	9827	9827	168	8.02	11.0	2.0	11.2	5	--	4
MAR											
11...	1030	9827	9827	198	8.14	14.0	2.0	10.5	<1	2.3	<4
APR											
08...	1205	9827	9827	116	7.78	17.0	190	8.7	35	4.3	2500
MAY											
13...	1450	9827	9827	219	8.05	24.0	2.0	9.0	3	1.4	4
JUN											
10...	1115	9827	9827	180	7.91	24.0	25	8.1	10	1.9	620
JUL											
08...	0915	9827	9827	230	8.10	27.0	1.0	7.6	3	1.0	24
AUG											
12...	1000	9827	9827	234	8.84	24.0	1.0	9.4	2	2.0	<4
SEP											
09...	1230	9827	9827	245	--	26.0	1.8	8.6	3	1.9	8

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN.AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT, 1985										
08...	1415	120	6.0	3.5	142	2	.05	<.010	--	<.10
NOV										
05...	1415	130	9.0	4.0	141	<1	.04	<.010	--	.20
DEC										
03...	1400	74	9.0	3.0	108	15	.35	<.010	--	<.10
JAN, 1986										
14...	1130	110	9.0	2.5	131	1	--	.040	--	<.10
FEB										
25...	0948	86	9.0	3.0	97	1	.33	.030	.07	.10
MAR										
11...	1030	96	9.0	5.0	113	2	.58	<.010	--	<.10
APR										
08...	1205	68	8.0	3.0	136	228	--	.060	.94	1.0
MAY										
13...	1450	120	9.0	1.5	126	2	.14	.070	.03	.10
JUN										
10...	1115	92	--	3.0	134	28	--	<.010	--	.40
JUL										
08...	0915	120	3.0	1.5	144	<1	.05	.030	.17	.20
AUG										
12...	1000	120	9.0	3.0	138	3	.06	.100	.10	.20
SEP										
09...	1230	130	8.0	2.0	144	3	--	--	--	.10

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985										
08...	1415	--	<.010	.040	<1	--	<15	<1	--	<10
NOV										
05...	1415	.24	.040	.020	<1	<1	<15	<1	--	--
DEC										
03...	1400	--	.040	.020	<1	40	<15	<1	--	40
JAN, 1986										
14...	1130	--	.030	.020	<1	<1	<15	1	<.50	<10
FEB										
25...	0948	.43	.020	.030	--	<1	<15	<1	--	<10
MAR										
11...	1030	--	.020	.010	<1	1	<15	<1	--	<10
APR										
08...	1205	--	.320	--	<1	9	<15	5	--	20
MAY										
13...	1450	.24	.020	<.010	<1	<1	24	<1	--	<10
JUN										
10...	1115	--	.070	.040	<1	2	<15	1	--	<10
JUL										
08...	0915	.25	.020	--	<1	1	--	1	--	<10
AUG										
12...	1000	.26	<.010	.010	<1	<1	<15	1	--	<10
SEP										
09...	1230	--	<.010	<.010	--	1	<15	<1	--	<10

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
NOV, 1985									
05...	1435	9827	9827	7.65	17.0	2.0	8.1	.5	50
DEC									
03...	1330	9827	9827	--	7.0	5.0	11.3	.6	44
JAN, 1986									
14...	1030	9827	9827	7.59	14.0	4.0	9.6	5.1	<4
FEB									
25...	1015	9827	9827	7.75	11.0	2.0	10.8	--	4
MAR									
11...	1100	9827	9827	7.62	13.0	2.0	8.0	.2	4
APR									
08...	1130	9827	9827	7.60	17.0	60	9.3	1.7	1400
MAY									
13...	1420	9827	9827	8.45	24.0	2.0	9.2	1.1	56
JUN									
10...	1015	9827	9827	7.50	22.0	10	5.9	.2	2600

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
NOV, 1985									
05...	1435	140	16	6.0	161	<1	.76	<.010	.070
DEC									
03...	1330	72	12	5.0	99	4	.53	<.010	.050
JAN, 1986									
14...	1030	230	15	5.5	174	13	--	.060	.060
FEB									
25...	1015	80	11	4.5	97	2	.25	.060	.040
MAR									
11...	1100	100	11	4.5	131	4	.61	<.010	.050
APR									
08...	1130	58	8.0	3.0	102	48	--	.050	.170
MAY									
13...	1420	100	14	3.0	117	2	.25	.080	.040
JUN									
10...	1015	120	--	4.5	180	5	--	.050	.100

DATE	TIME	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
NOV, 1985								
05...	1435	.060	<1	<1	<15	<1	--	--
DEC								
03...	1330	.040	<1	<1	<15	<1	--	40
JAN, 1986								
14...	1030	.050	<1	<1	<15	2	<.50	<10
FEB								
25...	1015	.060	--	<1	<15	2	--	<10
MAR								
11...	1100	.040	<1	1	<15	1	--	<10
APR								
08...	1130	--	1	4	<15	4	--	10
MAY								
13...	1420	.040	1	<1	29	1	--	<10
JUN								
10...	1015	.090	1	2	19	2	--	20

WHITE RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985									
08...	1115	9827	9827	8.08	17.0	.60	8.3	1.6	48
NOV									
05...	1200	9827	9827	8.04	12.0	1.0	9.6	3.6	16
DEC									
03...	1100	9827	9827	8.13	5.0	2.0	12.3	1.0	900
JAN, 1986									
14...	1345	9827	9827	8.24	8.0	4.0	15.7	--	<4
FEB									
25...	1215	9827	9827	8.23	11.0	2.0	15.5	--	<4
MAR									
11...	1250	9827	9827	8.50	14.0	1.0	16.3	--	8
APR									
08...	0930	9827	9827	7.91	16.0	40	8.8	7.0	6600
MAY									
13...	1215	9827	9827	7.91	22.0	3.0	6.3	--	100
JUN									
10...	1300	9827	9827	7.80	27.0	3.0	6.2	19	390
JUL									
08...	1215	9827	9827	7.85	26.0	2.5	3.8	12	22
AUG									
12...	1245	9827	9827	8.39	22.0	2.0	4.2	6.4	56
SEP									
09...	1430	9827	9827	--	25.0	3.5	4.1	10	72
DATE	TIME	HARD- NESS (MG/L AS CAC03) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985									
08...	1115	210	30	75	409	1	8.8	.020	5.10
NOV									
05...	1200	230	36	57	375	1	7.2	.260	4.10
DEC									
03...	1100	240	26	13	270	4	1.8	<.010	.420
JAN, 1986									
14...	1345	230	39	39	362	6	--	1.70	3.20
FEB									
25...	1215	230	26	4.0	347	2	3.2	1.30	3.20
MAR									
11...	1250	240	25	46	364	8	2.6	--	3.30
APR									
08...	0930	140	13	6.0	202	32	--	.040	.410
MAY									
13...	1215	240	23	38	346	6	1.5	2.85	2.90
JUN									
10...	1300	230	--	31	338	35	--	2.10	2.90
JUL									
08...	1215	220	25	61	393	5	1.6	6.60	3.85
AUG									
12...	1245	220	28	60	373	7	1.6	8.00	4.30
SEP									
09...	1430	210	32	81	425	8	--	--	3.50

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985								
08...	1115	3.95	<1	--	<15	3	--	20
NOV								
05...	1200	3.50	<1	<1	<15	3	--	--
DEC								
03...	1100	.390	<1	<1	<15	1	--	40
JAN, 1986								
14...	1345	2.70	<1	<1	<15	6	<.50	30
FEB								
25...	1215	2.90	--	<1	<15	1	--	20
MAR								
11...	1250	2.80	<1	2	<15	2	--	20
APR								
08...	0930	--	<1	3	<15	7	--	10
MAY								
13...	1215	2.80	<1	<1	25	2	--	<10
JUN								
10...	1300	2.40	<1	2	<15	3	--	10
JUL								
08...	1215	--	<1	1	--	2	--	<10
AUG								
12...	1245	4.20	<1	<1	<15	2	--	<10
SEP								
09...	1430	1.70	--	<1	<15	6	--	10

WHITE RIVER BASIN

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 Norfolk.

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)
OCT, 1985											
08...	1045	9827	9827	11800	7.87	14.0	1.1	6.8	.6	40	130
NOV											
05...	1130	9827	9827	1860	8.12	13.0	2.0	9.5	1.1	24	130
DEC											
03...	1030	9827	9827	8160	7.95	7.0	10	11.4	.8	170	98
JAN, 1986											
14...	1415	9827	9827	11100	8.03	9.0	3.0	11.7	8.1	<4	130
FEB											
25...	1245	9827	9827	805	8.34	11.0	2.0	12.6	--	<4	120
MAR											
11...	1330	9827	9827	2780	8.25	11.0	3.0	11.4	.8	10	120
APR											
08...	0900	9827	9827	19600	7.96	14.0	25	9.9	1.4	460	110
MAY											
13...	1145	9827	9827	13500	7.87	16.0	2.0	9.9	.9	8	130
JUN											
10...	1330	9827	9827	6900	7.95	25.0	30	8.1	1.3	260	110
JUL											
08...	1245	9827	9827	2260	8.15	21.0	1.5	9.8	1.1	56	130
AUG											
12...	1330	9827	9827	7480	8.59	17.0	1.0	8.6	1.1	<4	130
SEP											
09...	1500	9827	9827	2100	--	21.0	2.0	9.4	<1.0	20	130

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)
OCT, 1985											
08...	1045	7.0	4.5	150	<1	.54	<.010	<.010	.040	<1	--
NOV											
05...	1130	9.0	5.5	145	2	.36	<.010	.030	.020	<1	<1
DEC											
03...	1030	9.0	4.5	131	8	.36	<.010	.040	--	<1	1
JAN, 1986											
14...	1415	8.0	4.0	151	6	--	.060	.050	.010	<1	<1
FEB											
25...	1245	10	4.5	135	2	.14	.040	.020	.030	--	<1
MAR											
11...	1330	9.0	4.0	137	4	.30	<.010	.020	.010	<1	1
APR											
08...	0900	7.0	3.5	145	23	--	.010	.070	--	<1	1
MAY											
13...	1145	9.0	3.5	139	3	.31	.060	.020	.010	<1	<1
JUN											
10...	1330	--	2.0	154	21	--	<.010	.060	.040	1	2
JUL											
08...	1245	5.0	3.5	152	<1	1.2	.030	.020	--	<1	1
AUG											
12...	1330	10	4.5	137	4	.74	.170	--	--	<1	1
SEP											
09...	1500	9.0	3.5	151	5	--	--	.010	<.010	--	<1

07057370 WHITE RIVER NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)
OCT, 1985											
08...	1045	<15	<1	--	<10	<.002	<.01	--	<.002	<.01	<.01
NOV											
05...	1130	<15	<1	--	--	--	--	--	--	--	--
DEC											
03...	1030	<15	1	--	30	--	--	--	--	--	--
JAN, 1986											
14...	1415	<15	<1	<.50	<10	<.002	<.01	<.01	<.002	<.01	<.01
FEB											
25...	1245	<15	2	--	<10	--	--	--	--	--	--
MAR											
11...	1330	<15	<1	--	<10	--	--	--	--	--	--
APR											
08...	0900	<15	1	--	10	<.002	<.01	--	<.002	<.01	<.01
MAY											
13...	1145	30	2	--	10	--	--	--	--	--	--
JUN											
10...	1330	<15	1	--	<10	--	--	--	--	--	--
JUL											
08...	1245	--	3	--	<10	<.002	<.01	--	<.002	<.01	<.01
AUG											
12...	1330	<15	1	--	<10	--	--	--	--	--	--
SEP											
09...	1500	<15	1	--	<10	--	--	--	--	--	--
DATE	TIME	P,P' DDT, TOTAL (UG/L) (39300)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	
OCT, 1985											
08...	1045	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1	
JAN, 1986											
14...	1415	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1	
APR											
08...	0900	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1	
JUL											
08...	1245	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1	

WHITE RIVER BASIN

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 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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, 1985											
09...	1245	80513	80020	.00	163	282	8.00	21.0	6.8	757	4.2
09...	1246	80513	80020	10.0	163	283	8.00	20.5	7.2	757	--
09...	1248	80513	80020	20.0	163	283	8.00	20.5	6.9	757	--
09...	1250	80513	80020	30.0	163	283	8.00	20.5	6.8	757	--
09...	1252	80513	80020	40.0	163	283	7.90	20.0	6.4	757	--
09...	1254	80513	80020	50.0	163	283	7.90	20.0	6.3	757	--
09...	1258	80513	80020	60.0	163	285	7.20	20.0	4.9	757	--
09...	1300	80513	80020	68.0	163	280	7.40	19.0	.5	757	--
09...	1302	80513	80020	70.0	163	280	7.30	19.0	.3	757	--
09...	1304	80513	80020	80.0	163	282	7.30	18.0	.2	757	--
09...	1306	80513	80020	90.0	163	290	7.30	17.0	.2	757	--
09...	1308	80513	80020	100	163	287	7.30	16.5	.2	757	--
09...	1310	80513	80020	110	163	271	7.30	15.0	.2	757	--
09...	1312	80513	80020	120	163	284	7.20	14.5	.2	757	--
09...	1314	80513	80020	130	163	287	7.20	13.0	.2	757	--
09...	1316	80513	80020	140	163	290	7.20	12.0	.2	757	--
09...	1320	80513	80020	150	163	298	7.30	11.0	.2	757	--
09...	1322	80513	80020	160	163	300	7.30	10.0	.2	757	--
09...	1325	80513	80020	163	163	299	7.30	10.0	.2	757	--
NOV, 1985											
05...	1435	80513	80020	.00	159	296	7.30	18.5	6.3	751	2.70
05...	1436	80513	80020	10.0	159	295	7.50	18.0	6.2	751	--
05...	1438	80513	80020	20.0	159	296	7.50	18.0	6.1	751	--
05...	1440	80513	80020	30.0	159	296	7.50	18.0	6.1	751	--
05...	1442	80513	80020	40.0	159	296	7.50	18.0	5.9	751	--
05...	1444	80513	80020	50.0	159	296	7.50	18.0	5.2	751	--
05...	1448	80513	80020	60.0	159	287	7.40	17.0	4.9	751	--
05...	1449	80513	80020	62.0	159	287	7.40	16.0	.6	751	--
05...	1450	80513	80020	66.0	159	287	7.40	15.0	.4	751	--
05...	1452	80513	80020	70.0	159	290	7.40	14.0	.3	751	--
05...	1454	80513	80020	80.0	159	291	7.40	13.5	.2	751	--
05...	1456	80513	80020	90.0	159	293	7.40	13.5	.2	751	--
05...	1458	80513	80020	100	159	294	7.40	13.0	.2	751	--
05...	1500	80513	80020	110	159	296	7.30	12.0	.2	751	--
05...	1502	80513	80020	120	159	299	7.40	11.0	.2	751	--
05...	1504	80513	80020	130	159	298	7.30	10.0	.2	751	--
05...	1506	80513	80020	140	159	299	7.30	9.0	.2	751	--
05...	1508	80513	80020	150	159	300	7.30	8.5	.2	751	--
05...	1510	80513	80020	159	159	300	7.30	8.0	.2	751	--

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)
DEC, 1985									
09...	1130	80513	80020	.00	178	287	7.90	13.0	7.1
09...	1131	80513	80020	3.00	178	287	7.90	13.0	7.0
09...	1132	80513	80020	10.0	178	287	7.80	13.0	6.8
09...	1133	80513	80020	20.0	178	286	7.80	13.0	6.8
09...	1135	80513	80020	25.0	178	286	7.80	13.0	6.7
09...	1137	80513	80020	30.0	178	286	7.80	13.0	6.7
09...	1139	80513	80020	40.0	178	286	7.80	13.0	6.8
09...	1140	80513	80020	50.0	178	285	7.80	13.0	6.8
09...	1142	80513	80020	60.0	178	285	7.80	13.0	6.8
09...	1144	80513	80020	70.0	178	284	7.80	13.0	6.8
09...	1146	80513	80020	80.0	178	282	7.80	13.0	7.1
09...	1148	80513	80020	90.0	178	279	7.80	12.5	7.1
09...	1150	80513	80020	100	178	279	7.80	12.5	7.0
09...	1152	80513	80020	110	178	279	7.80	12.5	7.0
09...	1154	80513	80020	120	178	277	7.80	12.5	7.1
09...	1156	80513	80020	130	178	274	7.80	12.5	7.1
09...	1158	80513	80020	140	178	272	7.80	12.5	7.1
09...	1200	80513	80020	150	178	267	7.80	12.0	7.1
09...	1202	80513	80020	160	178	266	7.80	12.0	7.4
09...	1203	80513	80020	170	178	271	7.80	12.0	6.7
09...	1205	80513	80020	178	178	301	7.50	11.5	.8

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)
DEC, 1985								
09...	1130	753	2.10	1	--	--	--	--
09...	1135	753	--	--	5	2.7	.6	160
09...	1150	753	--	--	5	4.2	.6	150

DATE	TIME	ALKA- LITY 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)	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)
DEC, 1985								
09...	1131	--	.20	.010	<.010	.03	.400	<.100
09...	1135	140	.10	.010	<.010	.03	--	--
09...	1150	142	.20	.020	<.010	.06	--	--

WHITE RIVER BASIN

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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, 1986											
07...	1330	80513	80020	.00	172	277	8.10	8.0	10.2	765	2.50
07...	1332	80513	80020	10.0	172	278	8.10	8.0	9.8	765	--
07...	1334	80513	80020	20.0	172	277	8.10	8.0	9.6	765	--
07...	1336	80513	80020	30.0	172	276	8.10	8.0	9.6	765	--
07...	1340	80513	80020	40.0	172	277	8.10	8.0	9.5	765	--
07...	1342	80513	80020	50.0	172	277	8.10	8.0	9.5	765	--
07...	1344	80513	80020	60.0	172	278	8.10	8.0	9.5	765	--
07...	1346	80513	80020	70.0	172	278	8.10	8.0	9.4	765	--
07...	1348	80513	80020	80.0	172	275	8.10	8.0	9.3	765	--
07...	1350	80513	80020	90.0	172	275	8.10	8.0	9.4	765	--
07...	1352	80513	80020	100	172	275	8.10	8.0	9.4	765	--
07...	1354	80513	80020	110	172	275	8.00	8.0	9.3	765	--
07...	1356	80513	80020	120	172	274	8.10	8.0	9.3	765	--
07...	1358	80513	80020	130	172	273	8.00	8.0	9.3	765	--
07...	1400	80513	80020	140	172	273	8.00	7.5	9.0	765	--
07...	1402	80513	80020	150	172	271	8.00	7.5	8.8	765	--
07...	1404	80513	80020	160	172	271	8.00	7.5	8.8	765	--
07...	1406	80513	80020	170	172	274	8.00	7.5	8.8	765	--
07...	1408	80513	80020	172	172	274	8.00	7.5	8.7	765	--
FEB, 1986											
19...	1230	80513	80020	.00	162	287	8.20	9.0	12.0	760	1.60
19...	1232	80513	80020	10.0	162	285	8.20	8.0	11.7	760	--
19...	1234	80513	80020	20.0	162	285	8.10	6.5	11.6	760	--
19...	1236	80513	80020	30.0	162	284	8.10	6.0	11.2	760	--
19...	1238	80513	80020	40.0	162	286	8.10	6.0	11.2	760	--
19...	1240	80513	80020	50.0	162	285	8.10	6.0	11.6	760	--
19...	1242	80513	80020	60.0	162	284	8.10	6.0	11.4	760	--
19...	1244	80513	80020	70.0	162	286	8.10	6.0	11.3	760	--
19...	1246	80513	80020	80.0	162	284	8.10	6.0	11.0	760	--
19...	1248	80513	80020	90.0	162	284	8.10	6.0	11.0	760	--
19...	1250	80513	80020	100	162	285	8.10	6.0	11.6	760	--
19...	1252	80513	80020	110	162	283	8.10	6.0	11.0	760	--
19...	1254	80513	80020	120	162	285	8.10	6.0	10.8	760	--
19...	1256	80513	80020	130	162	285	8.10	6.0	10.8	760	--
19...	1258	80513	80020	140	162	285	8.10	6.0	10.9	760	--
19...	1300	80513	80020	150	162	284	8.10	6.0	10.8	760	--
19...	1302	80513	80020	160	162	286	8.10	6.0	10.8	760	--
19...	1305	80513	80020	162	162	286	8.10	6.0	10.8	760	--
MAR, 1986											
04...	1230	80513	80020	.00	160	287	8.40	7.5	12.8	760	1.20
04...	1232	80513	80020	10.0	160	287	8.50	7.5	12.7	760	--
04...	1234	80513	80020	20.0	160	287	8.40	7.0	12.7	760	--
04...	1236	80513	80020	30.0	160	286	8.40	7.0	12.5	760	--
04...	1238	80513	80020	40.0	160	286	8.40	7.0	12.5	760	--
04...	1240	80513	80020	50.0	160	286	8.40	7.0	12.5	760	--
04...	1242	80513	80020	60.0	160	286	8.40	7.0	12.4	760	--
04...	1244	80513	80020	70.0	160	286	8.40	7.0	12.3	760	--
04...	1246	80513	80020	80.0	160	286	8.40	7.0	12.3	760	--
04...	1248	80513	80020	90.0	160	286	8.40	7.0	12.2	760	--
04...	1250	80513	80020	100	160	286	8.30	6.5	11.5	760	--
04...	1252	80513	80020	110	160	286	8.30	6.5	11.4	760	--
04...	1254	80513	80020	120	160	285	8.30	6.5	11.3	760	--
04...	1256	80513	80020	130	160	287	8.20	6.0	11.1	760	--
04...	1258	80513	80020	140	160	288	8.20	6.0	10.9	760	--
04...	1300	80513	80020	150	160	288	8.20	6.0	10.8	760	--
04...	1305	80513	80020	160	160	288	8.10	6.0	10.7	760	--

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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 HG) (00025)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
APR, 1986											
08...	1400	80513	80020	.00	163	272	8.20	16.0	10.9	755	3.00
08...	1402	80513	80020	10.0	163	272	8.30	16.0	10.8	755	--
08...	1404	80513	80020	20.0	163	272	8.30	16.0	10.8	755	--
08...	1406	80513	80020	30.0	163	272	8.40	15.5	10.7	755	--
08...	1408	80513	80020	31.0	163	271	8.40	15.0	10.6	755	--
08...	1410	80513	80020	32.0	163	271	8.30	13.5	10.9	755	--
08...	1412	80513	80020	33.0	163	273	8.30	12.5	11.3	755	--
08...	1414	80513	80020	35.0	163	273	8.30	11.0	11.3	755	--
08...	1416	80513	80020	36.0	163	274	8.30	10.5	11.5	755	--
08...	1418	80513	80020	40.0	163	273	8.20	10.0	11.4	755	--
08...	1420	80513	80020	50.0	163	275	8.20	9.5	11.2	755	--
08...	1422	80513	80020	60.0	163	271	8.20	9.0	10.8	755	--
08...	1424	80513	80020	70.0	163	271	8.10	9.0	10.7	755	--
08...	1426	80513	80020	80.0	163	271	8.10	8.5	10.5	755	--
08...	1428	80513	80020	90.0	163	271	8.00	8.0	10.3	755	--
08...	1430	80513	80020	100	163	271	8.00	8.0	10.0	755	--
08...	1432	80513	80020	110	163	272	7.90	7.5	9.8	755	--
08...	1434	80513	80020	120	163	271	7.90	7.5	9.7	755	--
08...	1436	80513	80020	130	163	269	7.90	7.5	9.5	755	--
08...	1438	80513	80020	140	163	270	7.90	7.5	9.5	755	--
08...	1440	80513	80020	150	163	271	7.80	7.0	9.3	755	--
08...	1442	80513	80020	160	163	270	7.80	7.0	9.1	755	--
08...	1445	80513	80020	163	163	270	7.80	7.0	9.1	755	--

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)
MAY, 1986								
15...	1330	80513	80020	.00	153	305	8.30	20.0
15...	1331	80513	80020	3.00	153	305	8.40	20.0
15...	1332	80513	80020	10.0	153	307	8.40	19.5
15...	1333	80513	80020	20.0	153	305	8.30	18.0
15...	1335	80513	80020	25.0	153	304	8.30	17.5
15...	1336	80513	80020	28.0	153	302	8.20	16.5
15...	1338	80513	80020	30.0	153	301	8.20	16.0
15...	1340	80513	80020	35.0	153	302	8.10	15.0
15...	1342	80513	80020	40.0	153	299	8.00	14.5
15...	1344	80513	80020	45.0	153	297	7.90	13.0
15...	1346	80513	80020	50.0	153	295	7.90	12.0
15...	1348	80513	80020	55.0	153	292	7.80	11.0
15...	1350	80513	80020	60.0	153	289	7.80	10.0
15...	1352	80513	80020	70.0	153	287	7.80	9.5
15...	1354	80513	80020	80.0	153	289	7.80	9.0
15...	1356	80513	80020	90.0	153	288	7.80	9.0
15...	1400	80513	80020	100	153	288	7.70	8.5
15...	1402	80513	80020	110	153	290	7.70	8.5
15...	1404	80513	80020	120	153	288	7.70	8.5
15...	1406	80513	80020	130	153	290	7.70	8.5
15...	1408	80513	80020	140	153	294	7.70	8.0
15...	1410	80513	80020	150	153	287	7.70	8.0
15...	1415	80513	80020	153	153	287	7.60	8.0

WHITE RIVER BASIN

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	BARO- METRIC PRES- SURE (MM HG) (00025)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNIT S) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
MAY, 1986								
15..	1330	11.3	751	3.4	0	--	--	--
15..	1331	11.2	751	--	--	--	--	--
15..	1332	11.2	751	--	--	--	--	--
15..	1333	10.4	751	--	--	--	--	--
15..	1335	10.1	751	--	--	5	1.0	1.0
15..	1336	9.3	751	--	--	--	--	--
15..	1338	9.0	751	--	--	--	--	--
15..	1340	8.5	751	--	--	--	--	--
15..	1342	8.5	751	--	--	--	--	--
15..	1344	8.1	751	--	--	--	--	--
15..	1346	8.3	751	--	--	--	--	--
15..	1348	8.4	751	--	--	--	--	--
15..	1350	8.6	751	--	--	--	--	--
15..	1352	8.7	751	--	--	--	--	--
15..	1354	8.5	751	--	--	--	--	--
15..	1356	8.5	751	--	--	--	--	--
15..	1400	8.4	751	--	--	5	1.0	.6
15..	1402	8.2	751	--	--	--	--	--
15..	1404	8.1	751	--	--	--	--	--
15..	1406	8.2	751	--	--	--	--	--
15..	1408	8.0	751	--	--	--	--	--
15..	1410	8.1	751	--	--	--	--	--
15..	1415	7.7	751	--	--	--	--	--

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LITY 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, 1986								
15..	1331	--	--	--	<.010	<.010	1.80	.200
15..	1335	170	166	.20	<.010	<.010	--	--
15..	1400	160	158	.30	<.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 UNIT S) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUN, 1986									
03..	1300	80513	80020	.00	162	304	8.60	24.0	8.3
03..	1301	80513	80020	3.00	162	303	8.60	24.0	8.0
03..	1302	80513	80020	10.0	162	301	8.60	23.0	9.1
03..	1304	80513	80020	20.0	162	302	8.60	22.0	9.6
03..	1306	80513	80020	25.0	162	306	8.60	21.0	8.9
03..	1308	80513	80020	27.0	162	306	8.60	20.0	9.0
03..	1310	80513	80020	30.0	162	307	8.50	19.0	8.6
03..	1312	80513	80020	32.0	162	307	8.40	18.0	8.2
03..	1314	80513	80020	35.0	162	308	8.40	17.5	8.2
03..	1316	80513	80020	38.0	162	306	8.30	16.5	7.5
03..	1318	80513	80020	40.0	162	306	8.20	16.0	7.2
03..	1320	80513	80020	45.0	162	305	8.10	14.5	6.6
03..	1322	80513	80020	50.0	162	302	8.00	13.5	6.8
03..	1324	80513	80020	55.0	162	303	7.90	12.0	6.8
03..	1326	80513	80020	60.0	162	300	7.90	11.0	7.0
03..	1328	80513	80020	67.0	162	295	7.90	10.0	7.3
03..	1330	80513	80020	70.0	162	295	7.90	10.0	7.7
03..	1332	80513	80020	80.0	162	293	7.90	9.5	7.3
03..	1334	80513	80020	90.0	162	290	7.80	9.0	7.4
03..	1336	80513	80020	100	162	292	7.80	9.0	7.3
03..	1338	80513	80020	110	162	293	7.80	9.0	7.3
03..	1340	80513	80020	120	162	295	7.80	8.5	7.4
03..	1342	80513	80020	130	162	292	7.80	8.5	7.5
03..	1344	80513	80020	140	162	294	7.80	8.5	7.2
03..	1346	80513	80020	150	162	290	7.80	8.5	6.9
03..	1348	80513	80020	160	162	289	7.70	8.0	6.6
03..	1350	80513	80020	162	162	291	7.70	8.0	6.3

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		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)
DATE	TIME							
JUN, 1986								
03...	1300	757	4.1	--	--	--	--	--
03...	1301	757	--	.10	<.010	<.010	.900	<.100
		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)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DATE	TIME							
JUL, 1986								
08...	1400	80513	80020	.00	165	291	8.60	30.0
08...	1401	80513	80020	3.00	165	291	8.60	29.5
08...	1402	80513	80020	10.0	165	292	8.50	29.0
08...	1404	80513	80020	20.0	165	289	8.50	28.5
08...	1406	80513	80020	22.0	165	293	8.50	27.5
08...	1408	80513	80020	25.0	165	306	8.40	25.5
08...	1410	80513	80020	27.0	165	309	8.50	24.5
08...	1412	80513	80020	30.0	165	302	8.50	23.5
08...	1414	80513	80020	33.0	165	300	8.50	22.5
08...	1416	80513	80020	40.0	165	307	8.30	20.5
08...	1418	80513	80020	45.0	165	311	8.10	18.5
08...	1420	80513	80020	50.0	165	307	8.00	17.0
08...	1422	80513	80020	55.0	165	304	7.80	16.0
08...	1424	80513	80020	60.0	165	303	7.80	14.5
08...	1426	80513	80020	65.0	165	302	7.70	13.0
08...	1428	80513	80020	70.0	165	304	7.70	12.0
08...	1430	80513	80020	75.0	165	302	7.70	11.5
08...	1432	80513	80020	80.0	165	303	7.70	10.5
08...	1434	80513	80020	90.0	165	301	7.70	10.0
08...	1436	80513	80020	100	165	295	7.60	9.5
08...	1438	80513	80020	110	165	299	7.60	9.5
08...	1440	80513	80020	120	165	300	7.60	9.0
08...	1442	80513	80020	130	165	298	7.60	9.0
08...	1444	80513	80020	140	165	293	7.60	9.0
08...	1446	80513	80020	150	165	297	7.50	9.0
08...	1448	80513	80020	160	165	294	7.50	8.5
08...	1450	80513	80020	165	165	298	7.40	8.5
		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)
DATE	TIME							
JUL, 1986								
08..	1400	760	4.3	--	--	--	--	--
08...	1401	760	--	<.10	<.010	<.050	1.30	<.100

WHITE RIVER BASIN

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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, 1986								
14...	0800	80513	80020	.00	170	293	8.80	27.5
14...	0801	80513	80020	3.00	170	293	8.80	28.0
14...	0802	80513	80020	10.0	170	293	8.70	28.0
14...	0804	80513	80020	20.0	170	293	8.70	28.0
14...	0806	80513	80020	25.0	170	293	8.70	28.0
14...	0808	80513	80020	30.0	170	315	8.60	26.5
14...	0810	80513	80020	32.0	170	314	8.60	25.0
14...	0812	80513	80020	35.0	170	317	8.50	24.0
14...	0814	80513	80020	38.0	170	314	8.40	22.5
14...	0816	80513	80020	40.0	170	316	8.30	21.5
14...	0818	80513	80020	45.0	170	315	8.00	19.5
14...	0820	80513	80020	50.0	170	316	7.80	18.5
14...	0822	80513	80020	53.0	170	314	7.80	17.0
14...	0824	80513	80020	57.0	170	312	7.70	16.5
14...	0826	80513	80020	60.0	170	310	7.70	15.5
14...	0828	80513	80020	65.0	170	308	7.70	14.5
14...	0830	80513	80020	70.0	170	312	7.70	14.0
14...	0832	80513	80020	80.0	170	312	7.70	12.0
14...	0834	80513	80020	90.0	170	310	7.70	11.0
14...	0836	80513	80020	100	170	309	7.70	10.0
14...	0838	80513	80020	110	170	310	7.70	10.0
14...	0840	80513	80020	120	170	312	7.70	9.5
14...	0842	80513	80020	130	170	310	7.70	9.5
14...	0844	80513	80020	140	170	310	7.70	9.0
14...	0846	80513	80020	150	170	310	7.60	9.0
14...	0848	80513	80020	160	170	308	7.60	9.0
14...	0850	80513	80020	170	170	310	7.60	9.0

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	BARO- METRIC PRES- SURE (MM HG) (00025)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- CORALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
AUG, 1986								
14...	0800	8.5	748	5.6	0	--	--	--
14...	0801	8.3	748	--	--	--	--	--
14...	0802	8.2	748	--	--	--	--	--
14...	0804	8.1	748	--	--	--	--	--
14...	0806	8.0	758	--	--	5	.50	1.1
14...	0808	11.3	748	--	--	--	--	--
14...	0810	11.8	748	--	--	--	--	--
14...	0812	10.5	748	--	--	--	--	--
14...	0814	9.2	748	--	--	--	--	--
14...	0816	7.8	748	--	--	--	--	--
14...	0818	5.4	748	--	--	--	--	--
14...	0820	4.0	748	--	--	--	--	--
14...	0822	3.3	748	--	--	--	--	--
14...	0824	3.2	748	--	--	--	--	--
14...	0826	3.2	748	--	--	--	--	--
14...	0828	3.3	748	--	--	--	--	--
14...	0830	3.4	748	--	--	--	--	--
14...	0832	3.4	748	--	--	--	--	--
14...	0834	3.9	748	--	--	--	--	--
14...	0836	4.0	748	--	--	5	.50	.6
14...	0838	4.0	748	--	--	--	--	--
14...	0840	3.8	748	--	--	--	--	--
14...	0842	3.8	748	--	--	--	--	--
14...	0844	3.6	748	--	--	--	--	--
14...	0846	2.8	748	--	--	--	--	--
14...	0848	2.2	748	--	--	--	--	--
14...	0850	1.2	748	--	--	--	--	--

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA. WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LITY 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, OPHTH, 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, 1986								
14...	0801	--	--	--	.010	<.010	1.40	<.100
14...	0806	150	154	<.10	<.010	<.010	--	--
14...	0836	170	156	.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)	SPF- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)
SEP, 1986							
03...	1355	80513	80020	.00	162	265	8.50
03...	1356	80513	80020	3.00	162	266	8.50
03...	1359	80513	80020	10.0	162	265	8.60
03...	1401	80513	80020	20.0	162	265	8.60
03...	1402	80513	80020	30.0	162	265	8.50
03...	1404	80513	80020	32.0	162	265	8.50
03...	1406	80513	80020	35.0	162	288	8.10
03...	1408	80513	80020	36.0	162	289	8.00
03...	1410	80513	80020	40.0	162	287	8.00
03...	1412	80513	80020	41.0	162	284	7.90
03...	1414	80513	80020	45.0	162	284	7.70
03...	1416	80513	80020	50.0	162	286	7.60
03...	1418	80513	80020	53.0	162	283	7.60
03...	1420	80513	80020	57.0	162	284	7.50
03...	1422	80513	80020	60.0	162	282	7.50
03...	1424	80513	80020	63.0	162	281	7.50
03...	1426	80513	80020	67.0	162	280	7.60
03...	1428	80513	80020	70.0	162	282	7.60
03...	1430	80513	80020	75.0	162	282	7.60
03...	1432	80513	80020	80.0	162	280	7.60
03...	1434	80513	80020	88.0	162	280	7.60
03...	1436	80513	80020	90.0	162	280	7.60
03...	1438	80513	80020	100	162	281	7.60
03...	1440	80513	80020	110	162	281	7.60
03...	1442	80513	80020	120	162	284	7.60
03...	1444	80513	80020	130	162	281	7.60
03...	1446	80513	80020	140	162	281	7.60
03...	1448	80513	80020	150	162	280	7.50
03...	1450	80513	80020	160	162	283	7.50
03...	1452	80513	80020	162	162	283	7.50

WHITE RIVER BASIN

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	BARO- METRIC PRES- SURE (MM HG) (00025)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
SEP. 1986							
03...	1355	27.5	8.1	749	6.1	--	--
03...	1356	27.0	8.1	749	--	1.50	.100
03...	1359	27.0	8.1	749	--	--	--
03...	1401	26.5	8.1	749	--	--	--
03...	1402	26.5	8.0	749	--	--	--
03...	1404	26.5	7.9	749	--	--	--
03...	1406	25.0	7.9	749	--	--	--
03...	1408	24.0	7.7	749	--	--	--
03...	1410	23.0	6.6	749	--	--	--
03...	1412	21.5	6.0	749	--	--	--
03...	1414	20.5	4.4	749	--	--	--
03...	1416	19.5	2.8	749	--	--	--
03...	1418	18.5	2.1	749	--	--	--
03...	1420	17.5	1.8	749	--	--	--
03...	1422	16.5	1.9	749	--	--	--
03...	1424	15.5	2.0	749	--	--	--
03...	1426	14.5	2.0	749	--	--	--
03...	1428	14.0	2.1	749	--	--	--
03...	1430	13.0	2.6	749	--	--	--
03...	1432	12.0	2.8	749	--	--	--
03...	1434	11.0	2.9	749	--	--	--
03...	1436	11.0	2.9	749	--	--	--
03...	1438	10.0	3.3	749	--	--	--
03...	1440	9.5	3.2	749	--	--	--
03...	1442	9.5	2.9	749	--	--	--
03...	1444	9.5	2.7	749	--	--	--
03...	1446	9.0	2.4	749	--	--	--
03...	1448	9.0	.8	749	--	--	--
03...	1450	9.0	.4	749	--	--	--
03...	1452	9.0	.2	749	--	--	--

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 Norfolk Dam, 3.9 mi northeast of Norfolk, and at mile 4.8.

DRAINAGE AREA.--1,808 mi².

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 Norfolk Reservoir.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNIT S) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
OCT, 1985									
09...	1345	80513	80020	271	7.40	16.5	2.6	27	760
NOV									
05...	1415	80513	80020	310	7.20	16.5	5.4	56	755
DEC									
09...	1100	80513	80020	281	7.90	12.5	7.3	69	759
JAN, 1986									
07...	1315	80513	80020	279	8.10	8.0	10.2	85	770
FEB									
19...	1200	80513	80020	278	8.00	7.0	11.3	93	760
MAR									
04...	1200	80513	80020	286	8.20	7.0	12.4	102	760
APR									
08...	1330	80513	80020	272	8.00	9.5	11.0	97	759
MAY									
15...	1300	80513	80020	288	7.70	9.5	9.4	84	750
JUN									
03...	1230	80513	80020	318	8.20	12.0	14.6	136	759
JUL									
08...	1330	80513	80020	295	8.10	15.5	13.3	133	764
AUG									
14...	0745	80513	80020	332	8.20	10.5	5.7	52	752
SEP									
03...	1330	80513	80020	282	8.50	15.0	14.0	141	753
DATE	TIME	COLOR (PLAT- INUM- COBALT UNIT S) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKA- LITY FIELD (MG/L AS CAC03) (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)
DEC, 1985									
09...	1100	5	3.9	1.2	10	150	.20	.020	<.010
MAY, 1986									
15...	1300	5	.80	.8	10	148	.30	.020	<.010
AUG, 1986									
14...	0745	5	.70	1.2	18	172	.30	<.010	<.010

WHITE RIVER BASIN

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 mi².

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.--No estimated daily discharges. Water-discharge records good. Satellite telemeter at station. Flow regulated since 1943 by Norfolk 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.--47 years, 10,050 ft³/s, 7,281,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 310,000 ft³/s Apr. 16, 1945, gage height, 49.84 ft present datum; minimum observed, 305 ft³/s Sept. 27, 1954; minimum daily, 310 ft³/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 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 45,200 ft³/s Apr. 9, gage height, 15.32 ft; minimum daily, 866 ft³/s Sept. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12800	2720	10200	36300	10300	19600	4860	15600	9030	10300	13500	964
2	13400	1670	10200	36500	2900	10700	5110	13200	6530	7010	11800	866
3	13200	1230	9920	36400	4000	4610	8850	12200	7760	3580	5150	11600
4	8290	1160	8810	33800	6130	13200	10200	8140	9110	2470	5160	13600
5	2300	3430	7320	30800	4590	13100	14400	3980	11900	8920	3470	13100
6	1490	6030	9890	29600	7770	17600	12400	12300	5840	7160	3070	5450
7	4920	7120	12600	24500	6740	15100	9690	14200	4710	1720	3240	1750
8	16600	9000	18500	23300	4810	12400	25200	15500	8040	4060	4640	1090
9	16200	4890	22800	22100	3730	4460	38800	15700	8760	12700	7390	2290
10	18900	1630	22200	15000	4120	1830	17400	13300	8920	10500	4200	2970
11	18400	944	24500	12600	12600	4680	12800	8510	10300	7290	2060	10500
12	16000	1130	26900	10900	15300	7320	18700	5210	7280	5750	7730	11400
13	9640	5890	27700	10600	14100	7680	19600	15200	7070	2080	4000	6610
14	11200	4970	31000	12800	12200	8030	19300	10800	6130	3130	5890	3810
15	17100	6120	31600	13400	7790	11200	16800	13200	4770	8680	14000	3630
16	11400	4160	31400	12200	3730	10100	16800	13700	4050	15200	7540	11200
17	15200	5910	31400	9700	2930	8820	16700	15800	7690	12800	6430	11700
18	16500	4860	31800	5940	7090	11200	17400	8580	4110	11700	2410	7540
19	6110	23900	33800	2250	7640	11700	17600	6330	8200	10400	11300	11200
20	5720	33400	34600	4310	12200	10700	23200	14600	8310	6650	12500	14200
21	4190	17600	35000	6920	16200	10900	27000	12900	11800	2470	9290	8680
22	10800	11400	34900	7590	12000	11900	19700	13000	11300	9450	8030	13800
23	5730	9860	35000	10100	11200	8290	17300	11900	5390	11400	10200	12500
24	5650	5960	34900	14400	9410	4180	17600	7430	9760	12400	1930	6970
25	7990	4780	34900	7640	4380	7660	17100	4400	10300	16100	1520	6880
26	3280	9180	34700	2400	12500	7680	15100	4480	11500	12300	10800	8450
27	2080	18600	36200	6440	12600	5550	14600	5340	18100	6070	12000	5590
28	1470	31200	36400	12100	17900	8060	16000	3670	14200	9600	1910	1420
29	2340	16200	36400	9650	---	2260	19300	3100	5770	19700	1340	1780
30	2490	11400	36400	11100	---	2590	15800	10100	5100	19600	2350	3210
31	3220	---	35800	10000	---	1480	---	9350	---	15800	1210	---
TOTAL	284610	266344	827740	481340	246860	274580	505310	321720	251730	286990	196060	214750
MEAN	9181	8878	26700	15530	8816	8857	16840	10380	8391	9258	6325	7158
MAX	18900	33400	36400	36500	17900	19600	38800	15800	18100	19700	14000	14200
MIN	1470	944	7320	2250	2900	1480	4860	3100	4050	1720	1210	866
AC-FT	564500	528300	1642000	954700	489600	544600	1002000	638100	499300	569200	388900	426000
CAL YR 1985	TOTAL	7253194	MEAN	19870	MAX	79000	MIN	944	AC-FT	14387000		
WTR YR 1986	TOTAL	4158034	MEAN	11390	MAX	38800	MIN	866	AC-FT	8247000		

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- 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)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV, 1985											
14...	1130	80513	80010	6280	251	7.80	17.0	8.8	91	763	80
JAN, 1986											
28...	1330	80513	80020	13900	252	7.50	6.5	12.2	101	747	3
MAR											
26...	1520	80513	80020	7550	246	8.50	10.5	8.9	80	759	14
MAY											
28...	1200	80513	80020	3150	273	8.20	14.0	10.0	98	752	10
JUL											
22...	1000	80513	80020	70300	262	7.90	15.5	7.5	76	758	260
AUG											
12...	1230	80513	80020	9660	269	8.00	16.0	8.8	90	757	210
DATE	TIME	STREP- TOCOC FECAL, KF AGAR (COLS. PER 100 ML) (31673)	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)
NOV, 1985											
14...	1130	80	130	4	36	9.6	3.2	5	.1	1.6	124
JAN, 1986											
28...	1330	12	130	9	34	12	2.1	3	.0	1.4	125
MAR											
26...	1520	270	120	4	33	9.6	2.1	4	.0	1.5	118
MAY											
28...	1200	46	150	1	35	14	1.7	2	.0	1.5	144
JUL											
22...	1000	460	130	10	37	9.1	2.6	4	.1	1.7	120
AUG											
12...	1230	140	130	12	37	9.0	2.7	4	.1	1.6	118
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)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
NOV, 1985											
14...	1130	6.8	4.0	<.10	--	<.010	.21	.040	.020	.56	.60
JAN, 1986											
28...	1330	7.8	3.6	<.10	.32	.010	.33	.040	.010	.36	.40
MAR											
26...	1520	7.6	3.6	<.10	.25	.020	.27	.030	.040	.37	.40
MAY											
28...	1200	4.6	2.9	<.10	--	<.010	.21	<.010	.020	--	.40
JUL											
22...	1000	7.8	4.2	.10	--	<.010	.42	.030	.020	--	<.20
AUG											
12...	1230	8.1	4.4	<.10	--	<.010	.46	.040	.020	.16	.20

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	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, 1985											
14...	1130	.010	.010	<.010	30	<1	<20	1	<1	3	1
JAN, 1986											
28...	1330	.020	.010	.010	--	--	10	--	--	--	--
MAR											
26...	1520	.010	<.010	.020	--	--	20	--	--	--	--
MAY											
28...	1200	<.010	.010	.010	10	<1	<10	<1	4	<1	<1
JUL											
22...	1000	.020	.020	<.010	--	--	10	--	--	--	--
AUG											
12...	1230	.020	<.010	.010	--	--	<10	--	--	--	--
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, DIS-CHARGE, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV, 1985											
14...	1130	90	2	40	<.10	1	--	30	2	34	100
JAN, 1986											
28...	1330	--	--	--	--	--	--	--	4	150	100
MAR											
26...	1520	--	--	--	--	--	--	--	6	122	52
MAY											
28...	1200	10	<1	20	<.10	9	<1	<10	4	34	63
JUL											
22...	1000	--	--	--	--	--	--	--	5	949	74
AUG											
12...	1230	--	--	--	--	--	--	--	5	130	75

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985									
08...	0945	9827	9827	8.20	16.0	2.1	8.8	4.2	730
NOV									
05...	1015	9827	9827	7.99	13.0	3.0	10.7	2.9	54
DEC									
17...	0820	9827	9827	7.94	8.0	30	10.2	1.4	270
JAN, 1986									
14...	0755	9827	9827	7.76	1.0	7.0	9.7	2.3	490
FEB									
18...	0758	9827	9827	7.90	11.0	3.0	8.4	4.2	470
MAR									
11...	0752	9827	9827	7.86	12.0	5.0	8.0	2.8	91
APR									
08...	0735	9827	9827	7.77	16.0	55	9.0	3.7	3600
MAY									
13...	0745	9827	9827	7.74	18.0	5.0	7.8	1.8	150
JUN									
10...	0755	9827	9827	7.71	21.0	7.5	7.9	2.2	370
JUL									
08...	0740	9827	9827	7.80	22.0	4.0	7.6	2.2	260
AUG									
12...	0748	9827	9827	8.82	20.0	2.5	6.2	.8	>600
SEP									
09...	0740	9827	9827	--	17.0	2.0	5.5	3.8	>600
DATE	TIME	HARD- NESS (MG/L AS CAC03) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985									
08...	0945	180	6.0	19	231	1	--	.180	.180
NOV									
05...	1015	80	8.0	14	236	2	1.5	.150	.120
DEC									
17...	0820	170	8.0	9.0	203	66	1.5	.230	.270
JAN, 1986									
14...	0755	190	8.0	14	217	14	1.3	.450	.220
FEB									
18...	0758	190	8.0	18	230	14	1.2	.430	.310
MAR									
11...	0752	180	8.0	17	239	10	1.4	.340	--
APR									
08...	0735	130	6.0	10	201	51	--	.140	.230
MAY									
13...	0745	190	7.0	9.5	208	10	1.1	.160	.100
JUN									
10...	0755	170	4.0	13	218	13	--	.110	.180
JUL									
08...	0740	180	<1.0	7.0	--	--	--	.090	.050
AUG									
12...	0748	180	10	19	229	9	--	.110	.110
SEP									
09...	0740	180	7.0	22	233	6	1.3	--	.280

WHITE RIVER BASIN

07060590 MILL CREEK NEAR MELBOURNE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985								
08...	0945	.150	<1	--	<15	1	--	<10
NOV								
05...	1015	.070	<1	<1	<15	<1	--	--
DEC								
17...	0820	.080	<1	<1	<15	5	--	<10
JAN, 1986								
14...	0755	.140	<1	2	15	2	<.50	10
FEB								
18...	0758	.210	<1	2	<15	3	--	20
MAR								
11...	0752	.170	<1	<1	<15	1	--	20
APR								
08...	0735	--	<1	2	<15	5	--	20
MAY								
13...	0745	.070	<1	<1	19	2	--	20
JUN								
10...	0755	.110	<1	<1	<15	2	--	20
JUL								
08...	0740	.030	<1	<1	<15	--	--	20
AUG								
12...	0748	.120	<1	<1	<15	1	--	10
SEP								
09...	0740	.210	<1	<1	<15	<1	--	30

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 mi².

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: Nov. 27 to Dec. 3, Dec. 6 to Jan. 26. Water-discharge records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--20 years, 48.1 ft³/s, 11.24 in/yr, 34,850 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,200 ft³/s Dec. 3, 1982, gage height, 20.60 ft, from rating curve extended above 3,700 ft³/s on basis of step-backwater computations; minimum, 1.6 ft³/s Nov. 22, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 27	Unknown	Unknown	Unknown	No other peak greater than base discharge.			
Minimum daily discharge, 3.2 ft ³ /s Sept. 7-14.							

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	4.3	43	150	14	7.1	9.8	22	24	11	6.2	4.8	3.7		
2	4.3	26	110	13	7.4	9.9	24	22	11	6.3	8.2	3.7		
3	4.3	17	80	13	7.6	9.9	32	20	11	6.1	7.2	3.7		
4	4.3	13	55	12	9.9	9.5	106	19	18	5.7	5.7	3.5		
5	4.3	11	43	11	11	9.3	375	18	23	5.5	4.9	3.4		
6	4.3	9.8	38	11	21	9.2	160	18	19	5.3	4.8	3.3		
7	4.3	9.4	34	11	52	9.1	160	18	16	5.1	4.5	3.2		
8	4.3	9.3	30	10	41	9.0	597	17	13	5.4	7.2	3.2		
9	4.4	9.1	27	10	28	9.1	206	16	26	5.6	10	3.2		
10	4.1	9.2	25	10	22	9.6	121	22	40	5.5	9.1	3.2		
11	4.2	9.7	800	10	19	11	90	40	26	5.5	10	3.2		
12	4.3	11	350	10	16	353	72	28	17	7.0	7.3	3.2		
13	4.5	13	200	9.5	14	128	58	21	13	6.2	5.9	3.2		
14	11	15	120	9.5	15	70	53	18	12	5.6	5.2	3.2		
15	15	26	90	9.0	15	44	44	19	11	5.5	5.0	3.8		
16	10	46	75	9.0	17	29	38	17	9.8	5.2	5.6	5.4		
17	7.8	33	63	9.0	19	22	34	19	9.1	5.1	5.0	5.3		
18	7.4	53	54	9.0	19	170	32	19	8.8	4.8	4.7	5.7		
19	8.3	107	48	9.5	17	212	48	17	8.4	4.8	4.1	4.8		
20	25	74	42	10	16	114	401	16	7.5	4.8	4.1	4.3		
21	19	47	37	9.5	14	77	234	15	7.3	4.8	4.1	3.9		
22	13	29	34	9.0	13	60	118	15	7.1	4.8	3.9	3.9		
23	11	22	31	8.5	12	49	85	15	7.1	4.8	3.9	3.9		
24	9.1	20	28	8.0	12	40	66	14	6.9	4.9	3.9	3.9		
25	8.0	18	25	8.0	11	34	52	15	6.8	4.9	3.9	3.9		
26	7.3	20	21	8.0	11	31	43	17	6.6	5.3	3.9	3.9		
27	6.7	2500	19	8.0	11	28	36	16	6.3	5.4	4.4	3.9		
28	6.6	800	18	7.2	11	25	32	14	6.3	5.2	5.2	3.8		
29	6.6	180	17	7.5	---	25	29	14	6.3	5.2	4.1	3.7		
30	7.8	130	16	7.5	---	24	26	12	6.4	5.0	3.9	3.8		
31	21	---	15	7.1	---	22	---	12	---	4.8	3.9	---		
TOTAL	256.5	4310.5	2695	297.8	469.0	1662.4	3394	567	377.7	166.3	168.4	114.8		
MEAN	8.27	144	86.9	9.61	16.7	53.6	113	18.3	12.6	5.36	5.43	3.83		
MAX	25	2500	800	14	52	353	597	40	40	7.0	10	5.7		
MIN	4.1	9.1	15	7.1	7.1	9.0	22	12	6.3	4.8	3.9	3.2		
CFSM	.14	2.48	1.50	.17	.29	.92	1.94	.31	.22	.09	.09	.07		
IN.	.16	2.76	1.73	.19	.30	1.06	2.17	.36	.24	.11	.11	.07		
AC-FT	509	8550	5350	591	930	3300	6730	1120	749	330	334	228		
CAL YR 1985	TOTAL	25094.4	MEAN	68.8	MAX	2960	MIN	4.1	CFSM	1.18	IN.	16.07	AC-FT	49770
WTR YR 1986	TOTAL	14479.4	MEAN	39.7	MAX	2500	MIN	3.2	CFSM	.68	IN.	9.27	AC-FT	28720

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
NOV, 1985											
14...	1215	80513	80010	23	283	7.90	17.0	.20	9.9	103	758
JAN, 1986											
28...	1400	80513	80020	6.9	273	7.50	4.5	.40	12.6	100	742
MAR											
26...	1600	80513	80020	11	250	8.40	13.5	.40	10.8	105	756
MAY											
28...	1245	80513	80020	8.3	278	8.20	20.5	1.0	7.3	82	752
JUL											
22...	1045	80513	80020	8.1	250	8.20	24.0	1.0	9.5	114	755
AUG											
12...	1145	80513	80020	6.6	262	8.20	24.5	.30	10.1	122	755
DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L AS CAC03) (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)
NOV, 1985											
14...	1215	3	55	160	10	52	6.2	3.1	4	.1	.80
JAN, 1986											
28...	1400	0	6	150	12	49	6.3	1.6	2	.0	.50
MAR											
26...	1600	6	410	130	4	43	5.1	1.3	2	.0	.80
MAY											
28...	1245	8	58	140	0	48	5.2	1.3	2	.0	.80
JUL											
22...	1045	9	K1300	130	0	43	5.9	1.5	2	.0	.80
AUG											
12...	1145	4	310	130	0	42	5.9	1.5	2	.0	.80
DATE	TIME	ALKA- LITY FIELD (MG/L AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
NOV, 1985											
14...	1215	147	5.6	1.0	<.10	7.2	169	160	.23	--	<.010
JAN, 1986											
28...	1400	136	6.8	2.0	<.10	5.8	153	150	.21	--	.010
MAR											
26...	1600	121	13	1.5	<.10	6.7	141	150	.19	.09	.020
MAY											
28...	1245	140	4.7	1.5	<.10	7.9	156	160	.21	--	<.010
JUL											
22...	1045	134	4.7	1.9	.10	9.3	143	150	.19	--	<.010
AUG											
12...	1145	126	5.0	1.8	<.10	8.5	151	140	.21	--	<.010

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)
NOV, 1985											
14...	1215	<.10	.020	.030	.18	.20	.010	.010	<.010	10	<1
JAN, 1986											
28...	1400	<.10	.040	.010	.16	.20	<.010	<.010	.010	--	--
MAR											
26...	1600	.11	.020	.040	.28	.30	<.010	<.010	.020	<10	<1
MAY											
28...	1245	<.10	.020	.030	--	<.20	.010	<.010	<.010	--	--
JUL											
22...	1045	<.10	.030	.020	--	<.20	.020	.020	<.010	--	--
AUG											
12...	1145	<.10	.020	.020	--	<.20	.010	.010	<.010	--	--
DATE	TIME	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	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)
NOV, 1985											
14...	1215	28	<.5	<1	<1	<3	<1	<3	<1	24	2
MAR, 1986											
26...	1600	24	<.5	<1	<1	<3	1	<3	1	4	1
DATE	TIME	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	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, 1985											
14...	1215	<.1	<10	1	<1	<1	40	3	4	.25	100
JAN, 1986											
28...	1400	--	--	--	--	--	--	--	0	.00	100
MAR											
26...	1600	<.1	<10	<1	<1	<1	33	5	6	.18	52
MAY											
28...	1245	--	--	--	--	--	--	--	2	.04	71
JUL											
22...	1045	--	--	--	--	--	--	--	1	.02	100
AUG											
12...	1145	--	--	--	--	--	--	--	0	.00	100

WHITE RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
15...	1300	9827	9827	19700	8.15	18.0	2.0	9.6	1.0
NOV									
19...	1300	9827	9827	6900	8.17	18.0	5.0	10.0	1.7
DEC									
17...	1100	9827	9827	33700	8.11	10.0	8.0	11.3	1.1
JAN, 1986									
14...	1045	9827	9827	9490	8.03	7.0	3.0	12.1	.5
FEB									
18...	1035	9827	9827	4380	8.15	10.0	2.0	11.9	1.2
MAR									
11...	1107	9827	9827	2520	8.18	12.0	2.0	11.0	1.2
APR									
08...	1027	9827	9827	21600	7.83	18.0	50	9.5	2.2
MAY									
13...	1030	9827	9827	10200	7.92	18.0	6.0	9.5	1.0
JUN									
10...	1045	9827	9827	13700	7.90	25.0	20	7.8	1.2
JUL									
08...	1105	9827	9827	2300	8.20	25.0	2.5	8.3	.9
AUG									
12...	1030	9827	9827	2190	8.82	23.0	1.5	9.8	1.7
SEP									
09...	1045	9827	9827	1570	--	21.0	1.5	9.6	.7
DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CAC03) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
15...	1300	350	130	7.0	3.5	--	3	.29	.030
NOV									
19...	1300	72	150	7.0	--	140	--	.29	.020
DEC									
17...	1100	12	140	8.0	5.5	136	16	.27	.130
JAN, 1986									
14...	1045	4	140	9.0	3.5	153	2	.33	.040
FEB									
18...	1035	20	130	7.0	6.0	153	4	.22	.040
MAR									
11...	1107	<4	130	8.0	5.5	147	7	.25	<.010
APR									
08...	1027	730	100	7.0	3.5	145	46	--	.030
MAY									
13...	1030	120	140	9.0	3.5	145	9	.37	.060
JUN									
10...	1045	160	120	6.0	2.5	153	20	--	.030
JUL									
08...	1105	750	130	5.0	4.0	--	--	--	.040
AUG									
12...	1030	64	130	3.0	4.5	156	6	--	.010
SEP									
09...	1045	4	140	9.0	4.5	156	5	.53	--

WHITE RIVER BASIN

07061000 WHITE RIVER AT BATESVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
15...	1300	.020	.020	<1	<1	<15	7	--	20
NOV									
19...	1300	.050	.020	<1	<1	<15	2	--	--
DEC									
17...	1100	.050	.020	2	<1	18	13	--	20
JAN, 1986									
14...	1045	.040	.010	<1	1	18	2	<.50	30
FEB									
18...	1035	.020	<.010	<1	1	<15	1	--	20
MAR									
11...	1107	--	<.010	<1	<1	<15	<1	--	20
APR									
08...	1027	.120	--	<1	2	<15	1	--	20
MAY									
13...	1030	.020	.010	<1	<1	19	2	--	20
JUN									
10...	1045	.060	.030	<1	1	<15	1	--	30
JUL									
08...	1105	.030	.010	<1	<1	<15	--	--	10
AUG									
12...	1030	.010	.110	<1	<1	<15	<1	--	20
SEP									
09...	1045	.010	<.010	<1	<1	<15	--	--	20

WHITE RIVER BASIN

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
15...	1330	9827	9827	20800	8.13	19.0	3.0	9.5	.7
NOV									
19...	1345	9827	9827	7100	8.24	18.0	25	10.2	1.7
DEC									
17...	1145	9827	9827	33700	8.03	11.0	8.0	11.4	.9
JAN, 1986									
14...	1215	9827	9827	10900	7.98	10.0	3.0	12.0	.5
FEB									
18...	1240	9827	9827	3550	8.04	12.0	5.0	12.4	1.2
MAR									
11...	1235	9827	9827	2580	7.79	13.0	3.0	10.3	1.3
APR									
08...	1155	9827	9827	24500	7.82	18.0	65	9.8	2.1
MAY									
13...	1105	9827	9827	12200	7.81	15.0	5.0	9.9	1.2
JUN									
10...	1220	9827	9827	14100	7.91	25.0	20	8.1	1.2
JUL									
08...	1250	9827	9827	2190	8.00	25.0	2.5	8.6	1.0
AUG									
12...	1210	9827	9827	2240	8.63	24.0	1.0	9.6	1.7
SEP									
09...	1230	9827	9827	1680	--	21.0	2.5	9.5	1.1
DATE	TIME	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CaCO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
15...	1330	60	130	7.0	4.0	--	7	.35	.040
NOV									
19...	1345	40	140	8.0	--	147	--	.25	<.010
DEC									
17...	1145	24	140	8.0	3.5	132	20	.27	<.010
JAN, 1986									
14...	1215	8	140	9.0	4.0	151	4	.34	.030
FEB									
18...	1240	20	140	8.0	7.5	156	13	.31	.040
MAR									
11...	1235	<4	140	9.0	11	180	8	.55	.010
APR									
08...	1155	670	100	7.0	4.5	143	68	--	.030
MAY									
13...	1105	92	140	10	4.0	142	8	.28	.060
JUN									
10...	1220	170	110	6.0	3.3	152	15	--	.010
JUL									
08...	1250	100	140	5.0	5.3	--	--	--	.020
AUG									
12...	1210	8	140	10	6.0	166	6	--	<.010
SEP									
09...	1230	10	140	8.0	4.0	163	8	.48	--

07061094 WHITE RIVER NEAR SALADO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
15...	1330	.020	<.010	<1	<1	<15	13	--	10
NOV									
19...	1345	.090	.020	<1	2	<15	4	--	--
DEC									
17...	1145	.160	.030	<1	<1	<15	4	--	<10
JAN, 1986									
14...	1215	.040	.020	<1	1	20	2	<.50	30
FEB									
18...	1240	.040	.010	<1	2	19	7	--	20
MAR									
11...	1235	--	<.010	<1	<1	<15	1	--	30
APR									
08...	1155	.140	--	<1	3	<15	2	--	20
MAY									
13...	1105	.040	.020	<1	<1	18	2	--	10
JUN									
10...	1220	.070	.030	<1	1	<15	1	--	20
JUL									
08...	1250	.020	.020	<1	<1	<15	--	--	10
AUG									
12...	1210	.010	.020	<1	<1	<15	<1	--	30
SEP									
09...	1230	.010	<.010	<1	<1	<15	<1	--	10

WHITE RIVER BASIN

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 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE (00027)	AGENCY ANA- LYZING SAMPLE (CODE (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 HG) (00025)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
OCT											
09...	0750	80513	80020	.00	33.0	228	7.70	16.5	7.7	761	.46
09...	0752	80513	80020	10.0	33.0	231	7.70	16.5	7.7	761	--
09...	0754	80513	80020	20.0	33.0	231	7.70	16.5	7.6	761	--
09...	0756	80513	80020	30.0	33.0	230	7.70	16.5	7.6	761	--
09...	0758	80513	80020	33.0	33.0	232	7.60	16.5	7.0	761	--
NOV											
05...	0845	80513	80020	.00	35.0	252	7.30	13.0	8.6	760	.45
05...	0847	80513	80020	10.0	35.0	252	7.40	13.0	8.5	760	-
05...	0850	80513	80020	20.0	35.0	252	7.50	13.0	8.5	760	--
05...	0852	80513	80020	30.0	35.0	252	7.60	13.0	8.5	760	-
05...	0854	80513	80020	35.0	35.0	252	7.60	13.0	8.5	760	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE (00027)	AGENCY ANA- LYZING SAMPLE (CODE (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)
DEC									
04...	0800	80513	80020	.00	90.0	94	7.50	10.0	10.3
04...	0801	80513	80020	3.00	90.0	96	7.40	10.5	9.5
04...	0803	80513	80020	10.0	90.0	95	7.40	10.5	9.4
04...	0805	80513	80020	18.0	90.0	94	7.30	10.5	9.2
04...	0806	80513	80020	20.0	90.0	94	7.40	10.5	9.2
04...	0808	80513	80020	30.0	90.0	95	7.40	10.5	9.2
04...	0810	80513	80020	40.0	90.0	94	7.40	10.5	9.1
04...	0813	80513	80020	50.0	90.0	95	7.30	10.5	9.1
04...	0816	80513	80020	60.0	90.0	94	7.30	10.5	9.1
04...	0818	80513	80020	70.0	90.0	94	7.30	10.5	9.1
04...	0820	80513	80020	72.0	90.0	94	7.30	10.5	9.1
04...	0823	80513	80020	80.0	90.0	93	7.30	10.5	9.1
04...	0825	80513	80020	90.0	90.0	96	7.40	10.5	9.0

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)
DEC								
04...	0800	759	.12	K11	--	--	--	--
04...	0805	759	--	--	120	95	1.0	45
04...	0820	759	--	--	120	90	1.0	45

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

										CHLOR-A	CHLOR-B
										PHYTO- PLANK- TON	PHYTO- PLANK- TON
										CHROMO FLUOROM	CHROMO FLUOROM
										(UG/L)	(UG/L)
DATE	TIME	ALKA- LINTY 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)	PHOS- PHORUS TOTAL (MG/L AS PO4) (71886)					
										(70953)	(70954)
DEC											
04...	0801	--	.20	.050	.030	.15	<.100	<.100			
04...	0805	40	.20	.080	.030	.25	--	--			
04..	0820	52	.20	.050	.020	.15	--	--			
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- 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 HG) (00025)	TRANS- PAR- FNCY (SECCHI DISK) (M) (00078)
JAN											
07...	0815	80513	80020	.00	63.0	139	7.40	3.0	13.0	760	.85
07...	0818	80513	80020	10.0	63.0	138	7.50	3.0	12.1	760	--
07...	0820	80513	80020	20.0	63.0	138	7.50	3.0	11.9	760	--
07...	0822	80513	80020	30.0	63.0	137	7.50	3.0	11.7	760	--
07...	0824	80513	80020	40.0	63.0	137	7.50	3.0	11.7	760	--
07...	0826	80513	80020	50.0	63.0	136	7.60	3.0	11.6	760	--
07...	0828	80513	80020	60.0	63.0	136	7.60	3.0	11.6	760	--
07...	0830	80513	80020	63.0	63.0	136	7.60	3.0	11.6	760	--
FEB											
18...	1500	80513	80020	.00	37.0	218	7.50	6.0	12.2	753	.76
18...	1502	80513	80020	10.0	37.0	219	7.70	5.0	12.3	753	--
18...	1504	80513	80020	20.0	37.0	220	7.80	5.0	12.0	753	--
18...	1507	80513	80020	30.0	37.0	219	7.90	5.0	11.9	753	--
18...	1510	80513	80020	37.0	37.0	219	7.90	5.0	11.9	753	--
MAR											
03...	1430	80513	80020	.00	31.0	222	7.70	8.0	12.3	764	.46
03...	1432	80513	80020	10.0	31.0	225	8.00	7.5	12.0	764	--
03...	1434	80513	80020	20.0	31.0	227	8.00	7.5	12.0	764	--
03...	1436	80513	80020	30.0	31.0	226	8.10	7.5	12.0	764	--
03...	1440	80513	80020	31.0	31.0	226	8.10	7.5	12.0	764	--
APR											
08...	0800	80513	80020	.00	35.0	208	7.90	17.5	9.8	753	1.60
08...	0802	80513	80020	10.0	35.0	206	8.00	17.5	9.6	753	--
08...	0804	80513	80020	18.0	35.0	209	7.80	16.0	8.4	753	--
08...	0806	80513	80020	20.0	35.0	208	7.60	15.5	8.2	753	--
08...	0808	80513	80020	25.0	35.0	206	7.50	15.0	7.6	753	--
08...	0809	80513	80020	30.0	35.0	204	7.50	13.5	7.8	753	--
08...	0810	80513	80020	35.0	35.0	202	7.50	12.5	7.8	753	--
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)			
MAY											
22...	1145	80513	80020	.00	42.0	203	7.90	20.5			
22...	1146	80513	80020	3.00	42.0	202	7.90	20.5			
22...	1150	80513	80020	9.00	42.0	177	7.50	20.0			
22...	1152	80513	80020	10.0	42.0	165	7.40	20.0			
22...	1156	80513	80020	20.0	42.0	172	7.40	19.5			
22...	1158	80513	80020	30.0	42.0	191	7.40	18.5			
22...	1200	80513	80020	34.0	42.0	193	7.40	18.5			
22...	1202	80513	80020	40.0	42.0	189	7.40	18.5			
22..	1205	80513	80020	42.0	42.0	189	7.40	18.5			

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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								
22...	1145	8.9	756	.98	4	--	--	--
22...	1146	8.4	756	--	--	--	--	--
22...	1150	7.2	756	--	--	10	3.0	1.0
22...	1152	6.9	756	--	--	--	--	--
22...	1156	6.7	756	--	--	--	--	--
22...	1158	6.1	756	--	--	--	--	--
22...	1200	6.2	756	--	--	20	9.5	1.0
22...	1202	6.6	756	--	--	--	--	--
22...	1205	6.6	756	--	--	--	--	--
MAY								
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)
22...	1146	--	--	--	.010	<.010	6.40	.300
22...	1150	50	70	.20	.020	<.010	--	--
22...	1200	95	86	.20	.020	<.010	--	--
JUN								
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)	OXYGEN, DIS- SOLVED (MG/L) (00300)
03...	0730	80513	80020	.00	38.0	201	7.50	8.7
03...	0731	80513	80020	3.00	38.0	202	7.60	8.5
03...	0732	80513	80020	10.0	38.0	204	7.40	8.6
03...	0734	80513	80020	15.0	38.0	208	7.20	7.5
03...	0736	80513	80020	17.0	38.0	203	7.20	7.4
03...	0738	80513	80020	20.0	38.0	203	7.10	6.2
03...	0739	80513	80020	30.0	38.0	206	7.00	4.8
03...	0740	80513	80020	38.0	38.0	221	6.80	2.1
JUN								
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)
03...	0730	758	2.00	--	--	--	--	--
03...	0731	758	--	<.10	<.010	<.010	1.90	.100

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		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										
08...	0815	80513	80020	.00	36.0	230	8.50	29.5	8.0	
08...	0816	80513	80020	3.00	36.0	230	8.50	29.5	8.0	
08...	0818	80513	80020	10.0	36.0	230	8.40	29.0	7.7	
08...	0820	80513	80020	12.0	36.0	241	7.80	28.0	4.9	
08...	0822	80513	80020	18.0	36.0	245	7.50	27.0	2.7	
08...	0824	80513	80020	20.0	36.0	245	7.30	26.0	1.4	
08...	0826	80513	80020	25.0	36.0	242	7.20	24.5	.2	
08...	0828	80513	80020	30.0	36.0	244	7.20	23.5	.1	
08...	0830	80513	80020	36.0	36.0	254	7.20	19.0	.1	
		BARO- METRIC PRES- SURE (MM OF HG) (00025)	TRANS- PAR- FENCY (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										
08...	0815	760	1.80	--	--	--	--	--	--	
08...	0816	760	--	<.10	.010	<.050	2.60	.100		
		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)
AUG										
28...	1345	80513	80020	.00	38.0	280	8.70	26.5	8.3	759
28...	1346	80513	80020	3.00	38.0	280	8.70	26.5	8.2	759
28...	1348	80513	80020	8.00	38.0	280	8.70	26.5	8.2	759
28...	1350	80513	80020	10.0	38.0	281	8.70	26.5	8.0	759
28...	1352	80513	80020	20.0	38.0	283	8.50	26.0	6.8	759
28...	1355	80513	80020	30.0	38.0	308	7.50	25.0	.6	759
28...	1357	80513	80020	32.0	38.0	314	7.40	24.0	.4	759
28...	1358	80513	80020	33.0	38.0	320	7.40	23.0	.3	759
28...	1400	80513	80020	34.0	38.0	324	7.40	21.0	.3	759
28...	1402	80513	80020	36.0	38.0	330	7.50	20.0	.2	759
28...	1405	80513	80020	38.0	38.0	332	7.50	20.0	.2	759
		TRANS- PAR- FENCY (SECCHI DISK) (M) (00078)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	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										
28...	1345	1.20	--	--	--	--	--	--	--	--
28...	1346	--	--	--	--	.010	<.010	5.30	.500	--
28...	1348	--	5	1.9	<.10	.010	<.010	--	--	--
28...	1355	--	5	2.4	<.10	.010	<.010	--	--	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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									
03...	0900	80513	80020	.00	37.0	238	8.50	24.5	9.4
03...	0901	80513	80020	3.00	37.0	238	8.50	24.5	8.9
03...	0902	80513	80020	10.0	37.0	238	8.40	24.5	8.7
03...	0904	80513	80020	20.0	37.0	242	7.70	23.5	3.4
03...	0906	80513	80020	30.0	37.0	254	7.50	22.5	3.0
03...	0908	80513	80020	37.0	37.0	279	7.40	20.0	.5

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)
SEP								
03...	0900	750	1.80	--	--	--	--	--
03...	0901	750	--	<.10	.020	<.010	4.40	.400

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 mi².

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

REMARKS.--Flow completely regulated by Clearwater Reservoir.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	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)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
OCT, 1985									
09...	0725	80513	80020	231	7.80	16.0	9.2	93	761
NOV									
05...	0815	80513	80020	251	8.20	12.5	10.7	101	760
DEC									
04...	0730	80513	80020	96	7.30	10.5	12.2	109	761
JAN, 1986									
07...	0730	80513	80020	144	6.90	3.5	14.2	106	768
FEB									
18...	1430	80513	80020	222	7.80	5.0	13.6	108	753
MAR									
03...	1400	80513	80020	225	8.10	9.0	13.4	116	764
APR									
08...	0730	80513	80020	223	7.50	15.5	10.2	103	754
MAY									
22...	1120	80513	80020	185	7.80	19.5	9.8	108	756
JUN									
03...	0645	80513	80020	206	7.10	21.0	8.8	115	658
JUL									
08...	0745	80513	80020	251	7.10	25.0	6.7	81	762
AUG									
28...	1330	80513	80020	291	8.40	26.5	7.9	99	759
SEP									
03...	0830	80513	80020	244	7.90	23.5	8.3	99	751
DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKA- LILITY 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)
DEC, 1985									
04...	0730	60	90	1.0	63	40	.20	.050	.020
MAY, 1986									
22...	1120	10	3.0	1.2	16	74	.20	.020	<.010
AUG, 1986									
28...	1330	5	3.4	1.8	3	132	.20	<.010	<.010

WHITE RIVER BASIN

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 mi².

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.--48 years, 1,849 ft³/s, 1,340,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 48,600 ft³/s June 13, 1945; maximum gage height, 16.92 ft June 13, 1945; minimum discharge, 224 ft³/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 discharge, 8,110 ft³/s May 18, gage height, 12.12 ft; minimum, 406 ft³/s Sept. 2, gage height, 1.49 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1750	1130	5860	3500	1120	1450	1760	2200	2150	951	596	422
2	1760	1340	4840	3640	1080	1370	1550	1990	2130	934	602	410
3	1710	1480	4090	3710	1440	1320	1410	1800	2050	903	730	427
4	1510	1520	3450	3760	2150	1250	1330	1660	1950	910	857	443
5	1220	1510	2960	3790	2780	1190	1480	1570	1960	876	813	482
6	980	1490	2650	3800	3450	1160	1720	1510	2150	822	696	493
7	845	1500	2450	3790	3560	1130	1900	1460	2440	804	619	470
8	801	1530	2320	3780	3420	1110	2580	1400	2620	794	578	452
9	820	1530	2280	3750	3180	1100	4190	1340	2650	748	552	461
10	881	1530	2350	3750	2930	1090	5870	1290	2910	648	548	571
11	1000	1530	2620	3750	2730	1080	5660	1310	3760	565	581	623
12	1110	1570	3300	3750	2570	1340	4790	1320	4270	518	672	639
13	1140	1670	4330	3750	2460	2000	4060	1310	4020	507	707	645
14	1130	1700	4810	3750	2410	2500	3530	1280	3520	558	683	655
15	1070	1650	4670	3750	2400	2670	3120	1630	3070	695	631	661
16	963	1700	4400	3760	2390	2600	2850	3320	2720	727	595	680
17	852	1910	4250	3760	2410	2370	2670	6460	2430	661	615	675
18	779	2040	4180	3790	2450	2120	2540	7880	2130	656	666	598
19	770	2110	4170	3840	2410	2040	2480	6430	1950	678	675	585
20	781	2240	4140	3820	2300	2320	2760	4980	1870	684	634	593
21	799	2450	4100	3760	2160	2440	4180	4120	1830	688	598	603
22	907	2580	4080	3670	2020	2400	6320	3680	1780	682	595	624
23	1070	2610	4050	3570	1900	2300	6170	3440	1650	654	592	688
24	1130	2520	4000	3450	1800	2200	5070	3270	1470	609	557	734
25	1150	2340	3710	3250	1710	2150	4210	3200	1280	564	524	754
26	1180	2170	3210	2960	1640	2160	3630	3110	1130	520	503	767
27	1200	2310	2810	2590	1590	2190	3210	2950	1040	607	494	769
28	1200	3100	2630	2190	1530	2200	2900	2710	981	904	485	754
29	1160	4980	2660	1770	---	2190	2640	2470	942	976	474	742
30	1100	6480	2910	1450	---	2110	2390	2280	932	842	469	736
31	1040	---	3250	1240	---	1960	---	2180	---	692	457	---
TOTAL	33808	64220	111530	104890	63990	57510	98970	85550	65785	22377	18798	18156
MEAN	1091	2141	3598	3384	2285	1855	3299	2760	2193	722	606	605
MAX	1760	6480	5860	3840	3560	2670	6320	7880	4270	976	857	769
MIN	770	1130	2280	1240	1080	1080	1330	1280	932	507	457	410
AC-FT	67060	127400	221200	208000	126900	114100	196300	169700	130500	44380	37290	36010
CAL YR 1985	TOTAL	1162298	MEAN	3184	MAX	15900	MIN	770	AC-FT	2305000		
WTR YR 1986	TOTAL	745584	MEAN	2043	MAX	7880	MIN	410	AC-FT	1479000		

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
15...	0900	9827	9827	1920	8.13	20.0	2.0	8.5	.7
NOV									
19...	0800	9827	9827	3960	7.97	17.0	6.0	9.5	.9
DEC									
17...	1130	9827	9827	6110	7.91	5.0	7.0	11.7	.7
JAN, 1986									
21...	0930	9827	9827	2210	8.15	11.0	1.0	11.5	.7
FEB									
11...	1030	9827	9827	5950	8.03	4.0	15	11.9	1.2
MAR									
11...	0900	9827	9827	2480	8.15	12.0	6.0	10.0	.7
APR									
08...	0835	9827	9827	5610	7.88	17.0	50	9.0	1.8
MAY									
27...	0830	9827	9827	3670	7.98	20.0	15	8.7	.7
JUN									
10...	0845	9827	9827	5380	7.83	23.0	45	7.6	2.0
JUL									
29...	0930	9827	9827	2320	8.25	26.0	5.5	7.9	.9
AUG									
12...	0945	9827	9827	2090	--	25.0	--	8.2	1.2
SEP									
09...	0900	9827	9827	1660	8.26	20.0	4.2	8.3	.2
DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
15...	0900	44	170	6.0	3.0	--	29	.25	.020
NOV									
19...	0800	44	160	8.0	--	156	--	1.1	.010
DEC									
17...	1130	8	130	4.0	3.5	129	10	.39	<.010
JAN, 1986									
21...	0930	<4	160	7.0	3.0	156	4	--	.040
FEB									
11...	1030	<4	130	--	3.5	150	16	--	.070
MAR									
11...	0900	4	160	8.0	3.5	174	20	--	.040
APR									
08...	0835	430	140	--	2.5	164	82	.27	.060
MAY									
27...	0830	20	140	--	2.0	160	--	--	.070
JUN									
10...	0845	270	110	11	2.3	--	--	.23	.050
JUL									
29...	0930	24	160	2.0	3.5	178	23	.26	.060
AUG									
12...	0945	110	150	10	2.0	171	23	.21	.080
SEP									
09...	0900	8	180	7.0	2.5	187	12	--	.020

WHITE RIVER BASIN

07068850 CURRENT RIVER NEAR POCAHONTAS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
15...	0900	.050	.040	<1	2	35	9	--	40
NOV									
19...	0800	.070	.040	<1	<1	<15	2	--	--
DEC									
17...	1130	.040	.040	<1	--	<15	3	--	40
JAN, 1986									
21...	0930	<.010	.010	<1	4	<15	1	<.50	110
FEB									
11...	1030	.050	.030	<1	4	<15	2	--	10
MAR									
11...	0900	.050	--	<1	2	<15	2	--	10
APR									
08...	0835	.100	--	<1	3	18	5	--	20
MAY									
27...	0830	--	.030	<1	1	<15	1	--	<10
JUN									
10...	0845	.120	.060	<1	4	<15	3	--	--
JUL									
29...	0930	.050	.030	<1	2	24	--	--	20
AUG									
12...	0945	.040	.080	<1	<1	<15	1	--	<10
SEP									
09...	0900	--	.040	<1	<1	57	1	--	70

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
15...	0930	9827	9827	2760	8.08	20.0	10	8.3	.7
NOV									
19...	0830	9827	9827	5700	8.04	17.0	35	9.0	1.9
DEC									
17...	1200	9827	9827	8980	7.62	5.0	30	11.8	.8
JAN, 1986									
21...	1030	9827	9827	5920	7.78	11.0	10	11.1	1.0
FEB									
11...	1130	9827	9827	8180	7.91	4.0	35	11.6	1.4
MAR									
11...	1000	9827	9827	3640	8.14	12.0	15	10.4	1.0
APR									
08...	0925	9827	9827	8590	7.82	17.0	140	8.3	2.8
MAY									
27...	0915	9827	9827	8670	7.84	20.0	35	7.7	.9
JUN									
10...	0930	9827	9827	10200	7.70	24.0	40	7.0	2.2
JUL									
29...	1015	9827	9827	2460	8.20	30.0	10	7.7	1.2
AUG									
12...	1030	9827	9827	2370	--	26.0	--	8.8	2.2
SEP									
09...	1200	9827	9827	1880	8.18	23.0	15	8.5	.7
DATE	TIME	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CaCO3) (00900)	SULFATE, DISSOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
15...	0930	64	160	6.0	3.0	--	23	.23	.010
NOV									
19...	0830	88	140	8.0	--	149	--	.22	.010
DEC									
17...	1200	36	100	6.0	3.5	118	21	1.4	<.010
JAN, 1986									
21...	1030	28	110	9.0	3.0	126	10	--	.040
FEB									
11...	1130	16	100	--	4.0	157	23	--	.040
MAR									
11...	1000	110	150	8.0	3.5	161	26	--	.010
APR									
08...	0925	4700	110	--	3.0	156	213	.25	.070
MAY									
27...	0915	44	100	--	2.5	135	--	--	.090
JUN									
10...	0930	540	110	14	1.5	--	--	.21	.040
JUL									
29...	1015	110	160	2.0	2.5	172	30	.21	.110
AUG									
12...	1030	88	150	12	2.0	173	43	.20	.010
SEP									
09...	1200	4	180	8.0	2.0	176	26	--	.030

WHITE RIVER BASIN

07069000 BLACK RIVER AT POCAHONTAS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
15...	0930	.050	.040	<1	1	<15	4	--	20
NOV									
19...	0830	.110	.050	<1	<1	<15	3	--	--
DEC									
17...	1200	.100	.060	<1	--	<15	5	--	30
JAN, 1986									
21...	1030	.030	.010	<1	<1	25	1	<.50	70
FEB									
11...	1130	.090	.050	<1	3	<15	5	--	30
MAR									
11...	1000	.070	--	<1	1	<15	1	--	<10
APR									
08...	0925	.210	--	<1	7	<15	7	--	10
MAY									
27...	0915	--	.060	<1	1	<15	3	--	<10
JUN									
10...	0930	.110	.070	<1	4	<15	2	--	--
JUL									
29...	1015	.060	.020	<1	1	<15	--	--	<10
AUG									
12...	1030	.050	.040	<1	<1	<15	2	--	--
SEP									
09...	1200	--	.020	<1	1	<15	2	--	<10

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.

AVERAGE DISCHARGE.--5 years, 366 ft³/s, 265,200 acre ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 689 ft³/s Dec. 3, 1982, gage height, 5.10 ft; minimum, 182 ft³/s Dec. 17-21, 28-31, 1981, Jan. 1-2, 1982, gage height, 3.74 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 439 ft³/s Apr. 20, gage height, 4.67 ft; minimum, 259 ft³/s Nov. 9, 10-15, gage height, 4.10 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	286	272	424	363	302	350	350	414	365	375	322	286
2	283	274	424	361	299	347	350	416	366	375	322	284
3	283	274	422	357	318	342	349	412	373	372	322	282
4	283	272	420	353	339	342	348	410	375	372	322	280
5	283	271	416	351	350	340	388	408	374	370	322	280
6	280	269	412	350	354	338	402	407	377	368	319	280
7	280	267	409	349	369	335	408	406	397	365	316	280
8	278	263	407	345	375	332	417	401	398	364	315	280
9	274	262	403	342	377	330	423	397	405	362	315	277
10	274	259	399	342	379	328	424	393	417	361	315	275
11	274	259	397	339	379	325	424	396	421	361	315	269
12	274	259	397	336	377	340	424	400	420	361	312	265
13	274	259	397	335	373	350	424	401	420	358	306	265
14	275	259	397	332	372	350	420	401	419	357	305	265
15	280	260	397	329	372	350	418	399	416	357	305	265
16	280	268	397	329	372	350	416	397	414	354	302	265
17	279	271	395	327	371	349	412	395	410	353	302	265
18	277	276	393	325	368	353	412	393	408	351	302	265
19	274	362	392	324	368	377	409	391	405	350	299	265
20	277	394	390	321	364	379	435	390	401	350	299	265
21	280	397	390	318	363	379	438	389	398	346	297	265
22	282	397	390	315	361	375	435	386	397	346	296	265
23	277	394	386	315	357	375	433	383	394	342	292	264
24	274	392	384	315	356	372	431	380	393	340	289	262
25	273	389	381	312	353	370	431	379	393	336	289	262
26	271	386	378	312	352	367	431	379	390	330	289	262
27	271	416	375	308	352	363	428	377	390	329	289	262
28	268	427	372	307	351	359	424	375	386	329	289	262
29	268	427	371	305	---	357	419	375	382	327	289	262
30	265	424	368	305	---	355	416	373	379	323	289	262
31	265	---	365	302	---	351	---	368	---	322	286	---
TOTAL	8562	9599	12248	10224	10023	10930	12339	12191	11883	10906	9431	8086
MEAN	276	320	395	330	358	353	411	393	396	352	304	270
MAX	286	427	424	363	379	379	438	416	421	375	322	286
MIN	265	259	365	302	299	325	348	368	365	322	286	262
AC-FT	16980	19040	24290	20280	19880	21680	24470	24180	23570	21630	18710	16040
CAL YR 1985	TOTAL	153983	MEAN	422	MAX	610	MIN	259	AC-FT	305400		
WTR YR 1986	TOTAL	126422	MEAN	346	MAX	438	MIN	259	AC-FT	250800		

WHITE RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
08...	0830	9827	9827	28	8.17	15.0	2.4	7.1	--
NOV									
05...	0900	9827	9827	112	8.23	11.0	2.0	10.3	1.0
DEC									
03...	0845	9827	9827	415	7.93	5.0	10	10.5	.9
JAN, 1986									
14...	1545	9827	9827	75	8.22	8.0	2.0	13.7	.5
FEB									
25...	1420	9827	9827	118	8.31	12.0	2.0	12.7	--
MAR									
11...	1500	9827	9827	75	8.34	15.0	3.0	11.1	.9
APR									
08...	1500	9827	9827	1640	7.74	18.0	80	8.7	--
MAY									
13...	1015	9827	9827	394	7.68	22.0	15	7.7	1.5
JUN									
10...	1515	9827	9827	520	8.14	27.0	15	8.1	.9
JUL									
08...	1445	9827	9827	48	8.35	29.0	2.0	9.7	1.3
AUG									
12...	1500	9827	9827	25	8.93	26.0	2.0	9.5	1.4
SEP									
09...	1630	9827	9827	6.0	--	25.0	2.5	10.0	.9
DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
08...	0830	44	220	5.0	3.0	227	2	.07	.010
NOV									
05...	0900	16	190	6.0	4.0	193	<1	.17	<.010
DEC									
03...	0845	900	130	9.0	4.5	158	12	.52	<.010
JAN, 1986									
14...	1545	<4	220	6.0	3.0	218	2	--	.170
FEB									
25...	1420	<4	190	6.0	4.5	196	2	.23	.040
MAR									
11...	1500	12	210	6.0	3.5	210	6	.44	.010
APR									
08...	1500	7700	96	6.0	4.0	136	118	--	.070
MAY									
13...	1015	630	130	7.0	2.0	145	16	.27	.090
JUN									
10...	1515	230	160	--	1.8	195	26	--	<.010
JUL									
08...	1445	20	210	2.0	2.0	226	5	.17	.020
AUG									
12...	1500	20	220	7.0	2.0	225	7	.12	.020
SEP									
09...	1630	10	230	7.0	2.0	234	3	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
08...	0830	.010	.040	1	--	<15	1	--	<10
NOV									
05...	0900	.030	.020	<1	<1	<15	<1	--	--
DEC									
03...	0845	.050	.030	<1	<1	<15	2	--	40
JAN, 1986									
14...	1545	.060	.010	<1	5	<15	<1	<.50	<10
FEB									
25...	1420	.020	.030	--	<1	<15	2	--	<10
MAR									
11...	1500	.030	<.010	<1	1	<15	3	--	<10
APR									
08...	1500	.210	--	<1	3	15	6	--	10
MAY									
13...	1015	.060	.020	<1	1	31	4	--	10
JUN									
10...	1515	.050	.040	<1	2	<15	3	--	<10
JUL									
08...	1445	.040	--	<1	1	--	1	--	<10
AUG									
12...	1500	.010	.020	<1	2	<15	<1	--	<10
SEP									
09...	1630	.010	.060	--	<1	15	<1	--	<10

WHITE RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985									
15...	1030	9827	9827	8.21	18.0	5.0	7.9	.8	20
NOV									
19...	1000	9827	9827	8.65	16.0	2.0	9.2	1.2	44
DEC									
17...	1415	9827	9827	8.24	5.0	4.0	12.7	.4	12
JAN, 1986									
21...	1300	9827	9827	8.33	12.0	1.0	11.9	.9	4
FEB									
11...	1330	9827	9827	8.28	5.0	5.0	12.0	1.0	--
MAR									
11...	1200	9827	9827	8.39	11.0	4.0	10.6	.9	4
APR									
08...	1130	9827	9827	7.99	17.0	60	8.9	2.6	980
MAY									
27...	1130	9827	9827	8.25	19.0	5.5	9.0	1.7	92
JUN									
10...	1145	9827	9827	8.02	24.0	30	7.3	1.1	400
JUL									
29...	1200	9827	9827	8.40	29.0	5.0	7.9	2.1	16
AUG									
12...	1300	9827	9827	--	--	--	9.0	2.1	60
SEP									
09...	1345	9827	9827	8.40	21.0	4.8	9.0	.8	16
DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985									
15...	1030	240	5.0	3.0	--	18	.41	.010	.030
NOV									
19...	1000	220	5.0	--	240	--	.37	.010	.050
DEC									
17...	1415	220	2.0	2.5	204	5	.79	<.010	.030
JAN, 1986									
21...	1300	230	5.0	2.0	232	2	--	.020	<.010
FEB									
11...	1330	210	--	3.0	219	8	--	.030	.020
MAR									
11...	1200	230	4.0	3.0	241	8	--	.010	.030
APR									
08...	1130	150	--	3.0	190	104	.30	.040	.120
MAY									
27...	1130	220	--	3.5	234	--	--	.060	--
JUN									
10...	1145	170	13	1.5	--	--	.28	.030	.090
JUL									
29...	1200	230	<1.0	1.5	223	14	.40	.360	.040
AUG									
12...	1300	230	9.0	1.0	40	14	.39	.040	.010
SEP									
09...	1345	240	6.0	1.5	244	11	--	.020	--

07069370 SPRING RIVER AT RAVENDEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985								
15...	1030	.030	<1	1	<15	7	--	10
NOV								
19...	1000	.030	<1	<1	<15	2	--	--
DEC								
17...	1415	.030	<1	--	<15	2	--	40
JAN, 1986								
21...	1300	<.010	<1	<1	<15	1	<.50	<10
FEB								
11...	1330	.010	<1	5	<15	12	--	30
MAR								
11...	1200	--	<1	1	<15	<1	--	<10
APR								
08...	1130	--	<1	3	<15	3	--	<10
MAY								
27...	1130	.010	<1	<1	<15	1	--	<10
JUN								
10...	1145	.050	<1	3	<15	2	--	--
JUL								
29...	1200	.010	<1	1	<15	--	--	10
AUG								
12...	1300	.040	<1	<1	<15	1	--	<10
SEP								
09...	1345	<.010	<1	<1	15	<1	--	<10

WHITE RIVER BASIN

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 upstream 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 mi².

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.--50 years, 1,381 ft³/s, 15.85 in/yr, 1,001,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 244,000 ft³/s Dec. 3, 1982, gage height, 38.12 ft from flood-marks, from rating curve extended above 78,000 ft³/s, on basis of contracted opening and flow-over-road measurement of peak flow; minimum daily, 215 ft³/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 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 9,000 ft³/s and maximim (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 20	1245	10,100	15.35	Nov. 27	2200	*14,700	*18.27

Minimum discharge, 467 ft³/s Oct. 10, gage height, 3.17 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	499	1130	2650	1050	729	954	1110	1840	1220	932	575	505		
2	493	1190	2970	1040	732	938	1080	1730	1200	936	645	505		
3	491	1020	2400	1020	751	920	1090	1640	1580	901	656	527		
4	489	890	2120	1000	959	897	1100	1570	1510	874	619	525		
5	478	810	1950	979	1300	881	2850	1510	2420	853	614	509		
6	474	758	1810	967	1430	864	3450	1470	3150	832	609	497		
7	471	721	1680	958	1760	850	2270	1420	3620	814	601	491		
8	472	685	1620	931	1950	832	5270	1380	3290	801	620	490		
9	470	661	1540	917	1690	827	4100	1350	3320	787	664	485		
10	470	653	1490	910	1560	850	2850	1310	3690	768	621	486		
11	501	659	2310	892	1470	837	2410	1560	2750	751	612	487		
12	485	669	2250	889	1380	2980	2170	2390	2290	753	591	507		
13	477	993	2100	873	1310	2220	2010	1920	1970	747	578	488		
14	529	977	1850	865	1310	1810	1980	1630	1770	736	570	481		
15	566	945	1720	857	1340	1570	1910	1680	1630	731	565	488		
16	576	1280	1620	852	1350	1430	1780	1590	1530	720	619	522		
17	603	1180	1550	848	1350	1320	1690	1530	1440	698	592	521		
18	582	1090	1500	843	1320	1360	1630	1490	1360	681	566	537		
19	592	1480	1430	844	1280	2960	1790	1430	1290	658	556	519		
20	997	7580	1390	825	1240	2420	6530	1360	1240	657	548	529		
21	1040	2680	1340	817	1180	1930	6960	1300	1190	649	538	520		
22	975	1940	1310	798	1150	1720	4070	1310	1150	640	531	508		
23	864	1650	1290	784	1110	1600	3140	1320	1110	631	524	507		
24	763	1490	1260	778	1090	1500	2730	1340	1080	625	523	487		
25	696	1380	1210	774	1050	1410	2470	1430	1050	619	523	485		
26	651	1380	1190	762	1030	1340	2260	1670	1020	610	580	491		
27	624	8770	1190	741	1010	1300	2100	1830	1000	610	539	492		
28	606	10300	1150	742	982	1240	1990	1600	981	639	526	488		
29	592	3960	1120	745	---	1200	1860	1470	982	605	514	474		
30	603	2860	1090	733	---	1170	1770	1350	953	597	508	468		
31	700	---	1080	725	---	1130	---	1290	---	588	507	---		
TOTAL	18829	61781	51180	26759	34813	43260	78420	47710	52786	22443	17834	15019		
MEAN	607	2059	1651	863	1243	1395	2614	1539	1760	724	575	501		
MAX	1040	10300	2970	1050	1950	2980	6960	2390	3690	936	664	537		
MIN	470	653	1080	725	729	827	1080	1290	953	588	507	468		
CFSM	.51	1.74	1.40	.73	1.05	1.18	2.21	1.30	1.49	.61	.49	.42		
IN.	.59	1.94	1.61	.84	1.09	1.36	2.47	1.50	1.66	.71	.56	.47		
AC-FT	37350	122500	101500	53080	69050	85810	155500	94630	104700	44520	35370	29790		
CAL YR 1985	TOTAL	740685	MEAN	2029	MAX	35000	MIN	470	CFSM	1.72	IN.	23.29	AC-FT	1469000
WTR YR 1986	TOTAL	470834	MEAN	1290	MAX	10300	MIN	468	CFSM	1.09	IN.	14.81	AC-FT	933900

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 Eassiss Creek, 6.6 mi northeast of Ravenden Springs, and at mile 21.2.

DRAINAGE AREA.--1,134 mi².

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

AVERAGE DISCHARGE.--55 years, 1,140 ft³/s, 13.65 in/yr, 825,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft³/s Dec. 3, 1982, gage height, 29.06 ft from flood-marks, from rating curve extended above 23,000 ft³/s, on basis of contracted opening and flow-over-road measurement of peak flow; minimum observed, 226 ft³/s Sept. 9, 1936, gage height, 2.13 ft, present datum.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 20	2345	8,350	12.54	June 5	2215	8,100	12.12
Apr. 9	0045	*10,600	*14.13	June 10	0515	8,630	12.74

Minimum discharge, 576 ft³/s Sept. 30, gage height, 3.14 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	794	926	1880	987	774	1000	1050	1660	1260	1070	773	655		
2	786	985	1800	976	784	992	1040	1580	1750	1060	882	653		
3	784	936	1690	970	883	980	1030	1510	1950	1040	853	681		
4	783	874	1590	955	1400	965	1030	1470	1800	1020	791	688		
5	775	839	1520	938	1630	957	1710	1450	3210	1010	774	665		
6	768	820	1450	926	1600	946	2280	1430	3460	990	768	647		
7	768	806	1390	917	1790	932	1890	1390	3670	973	764	638		
8	763	814	1350	899	1820	918	7020	1370	2250	959	867	633		
9	762	825	1300	890	1640	920	8000	1340	4180	945	783	631		
10	759	825	1270	886	1520	931	3650	1350	7780	935	774	629		
11	774	821	1550	881	1430	919	2850	1480	4430	924	762	632		
12	759	825	1480	876	1350	2180	2480	1460	3110	927	743	639		
13	758	847	1470	867	1290	1480	2250	1440	2500	952	733	626		
14	803	835	1400	860	1290	1360	2130	1380	2160	929	729	619		
15	798	878	1350	852	1290	1270	2000	1850	1940	906	726	619		
16	764	951	1310	846	1270	1200	1860	1620	1790	889	767	623		
17	749	939	1270	845	1280	1150	1770	1520	1660	876	756	627		
18	754	946	1240	839	1270	1170	1710	1460	1560	865	732	632		
19	775	1060	1180	835	1250	1700	1770	1410	1480	856	719	640		
20	989	5730	1140	827	1220	1760	4070	1360	1420	846	709	622		
21	944	3920	1160	828	1170	1520	3960	1320	1360	837	702	612		
22	871	1930	1150	818	1140	1400	3070	1310	1310	827	696	607		
23	831	1630	1140	806	1120	1340	2590	1530	1270	820	692	608		
24	809	1490	1120	802	1100	1290	2330	1510	1240	812	688	604		
25	788	1390	1090	800	1070	1240	2150	1430	1210	807	683	601		
26	770	1370	1070	794	1060	1200	2010	1420	1170	807	683	596		
27	763	4140	1060	780	1050	1170	1900	1430	1150	805	675	590		
28	755	3470	1040	784	1020	1130	1820	1350	1130	801	677	586		
29	755	2460	1030	784	---	1110	1740	1350	1110	791	667	585		
30	763	2030	1010	776	---	1090	1670	1310	1090	784	661	579		
31	807	---	1010	773	---	1070	---	1280	---	779	658	---		
TOTAL	24521	46312	40510	26617	35511	37290	74830	44770	65400	27842	22887	18767		
MEAN	791	1544	1307	859	1268	1203	2494	1444	2180	898	738	626		
MAX	989	5730	1880	987	1820	2180	8000	1850	7780	1070	882	688		
MIN	749	806	1010	773	774	918	1030	1280	1090	779	658	579		
CFSM	.70	1.36	1.15	.76	1.12	1.06	2.20	1.27	1.92	.79	.65	.55		
IN.	.80	1.52	1.33	.87	1.16	1.22	2.45	1.47	2.15	.91	.75	.62		
AC-FT	48640	91860	80350	52790	70440	73960	148400	88800	129700	55220	45400	37220		
CAL YR 1985	TOTAL	655369	MEAN	1796	MAX	15800	MIN	749	CFSM	1.58	IN.	21.50	AC-FT	1300000
WTR YR 1986	TOTAL	465257	MEAN	1275	MAX	8000	MIN	579	CFSM	1.12	IN.	15.26	AC-FT	922800

WHITE RIVER BASIN

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
15...	1000	9827	9827	838	8.13	18.0	2.0	8.3	.6
NOV									
19...	0830	9827	9827	1110	8.19	18.0	2.0	9.4	1.1
DEC									
17...	1330	9827	9827	1330	8.07	4.0	3.0	11.8	.7
JAN, 1986									
21...	1130	9827	9827	869	8.18	11.0	1.0	11.4	.7
FEB									
11...	1245	9827	9827	1500	8.16	5.0	5.0	12.1	.7
MAR									
11...	1045	9827	9827	965	8.23	12.0	3.0	10.0	.8
APR									
08...	1030	9827	9827	7370	7.79	18.0	85	8.9	3.1
MAY									
27...	1015	9827	9827	1500	8.14	20.0	3.0	9.5	1.0
JUN									
10...	1000	9827	9827	8170	7.67	24.0	45	6.7	2.6
JUL									
29...	1045	9827	9827	831	8.25	26.0	3.5	7.9	.6
AUG									
12...	1130	9827	9827	780	--	26.0	--	8.6	1.2
SEP									
09...	1230	9827	9827	662	8.24	20.0	3.5	9.0	1.3
DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
15...	1000	28	190	4.0	2.0	--	10	.52	.010
NOV									
19...	0830	10	210	4.0	--	190	--	.53	.010
DEC									
17...	1330	16	170	2.0	3.0	161	3	.71	<.010
JAN, 1986									
21...	1130	8	190	5.0	2.0	197	3	--	.030
FEB									
11...	1245	12	170	--	2.5	191	12	--	.050
MAR									
11...	1045	20	190	6.0	3.0	200	6	--	<.100
APR									
08...	1030	4700	130	--	3.0	177	136	.38	.060
MAY									
27...	1015	60	230	--	2.0	198	--	--	.060
JUN									
10...	1000	600	98	11	1.5	--	--	.20	.050
JUL									
29...	1045	40	190	1.0	1.5	195	7	.50	.030
AUG									
12...	1130	8	200	9.0	1.5	207	14	.48	.070
SEP									
09...	1230	20	220	6.0	2.0	211	6	--	.020

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
15...	1000	.020	.030	<1	1	<15	4	--	10
NOV									
19...	0830	.040	.020	<1	<1	<15	2	--	--
DEC									
17...	1330	.020	.020	<1	--	<15	2	--	10
JAN, 1986									
21...	1130	<.100	<.010	<1	1	<15	1	<.50	10
FEB									
11...	1245	.020	.010	<1	6	<15	5	--	40
MAR									
11...	1045	.030	--	<1	1	<15	<1	--	<10
APR									
08...	1030	.150	--	<1	4	<15	5	--	10
MAY									
27...	1015	--	.010	<1	<1	<15	1	--	<10
JUN									
10...	1000	.160	.090	<1	4	<15	3	--	--
JUL									
29...	1045	.020	.010	<1	1	<15	--	--	<10
AUG									
12...	1130	.010	.050	<1	<1	<15	<1	--	<10
SEP									
09...	1230	--	.010	<1	<1	15	<1	--	<10

WHITE RIVER BASIN

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 downstream 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 mi².

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.--49 years, 8,609 ft³/s, 6,237,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 190,000 ft³/s Dec. 4, 1982, gage height, 31.51 ft, from flood-marks, from rating curve extended above 105,000 ft³/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 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 33,200 ft³/s Nov. 28, gage height, 21.81 ft; minimum daily, 3,100 ft³/s Sept. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4840	5150	23700	8630	6550	7560	7800	14000	10400	5970	4050	3270
2	4830	6060	22800	8360	6320	7320	7660	13200	10200	5740	4030	3270
3	4840	6720	22000	8130	6180	7080	7580	12000	11000	5570	4100	3260
4	4840	6780	21100	7960	7080	6840	7540	11000	11100	5420	3930	3280
5	4820	6490	20300	7870	9750	6610	9460	10100	12700	5300	3800	3300
6	4790	6140	19400	7830	11400	6400	12300	9530	18700	5180	3790	3280
7	4740	5830	18500	7820	12200	6200	11800	8990	18000	5050	3780	3260
8	4640	5590	17500	7810	12500	6030	15400	8510	17500	4940	3900	3240
9	4440	5420	16300	7780	12500	5930	20900	8090	16200	4820	4310	3220
10	4200	5280	15100	7770	12300	5870	22400	7790	18800	4710	4200	3190
11	4090	5210	15100	7780	12000	5850	21000	8240	20800	4610	4130	3150
12	4070	5280	15500	7780	11700	9820	20500	8760	20300	4530	3930	3100
13	3980	5880	15100	7770	11200	12200	20000	8860	19700	4430	3790	3110
14	3970	6230	14600	7740	10800	11900	19400	8440	19200	4440	3720	3110
15	4240	6280	14200	7680	10800	11100	19000	9020	18500	4450	3660	3110
16	4430	7010	13700	7640	10800	10300	18300	11400	17600	4340	3700	3140
17	4470	7650	13200	7600	10600	9730	17400	12700	16600	4280	3780	3150
18	4340	8010	12600	7570	10400	9410	16400	13200	15300	4220	3740	3200
19	4250	8260	12200	7580	10200	11000	15600	13200	14000	4140	3670	3270
20	4350	12800	11800	7570	10100	12400	18500	13000	12600	4050	3620	3350
21	5000	16700	11500	7590	9870	12300	22500	13000	11200	4000	3560	3380
22	5020	16200	11100	7560	9580	11800	22300	13100	9970	3950	3520	3340
23	4790	17400	10900	7510	9250	11100	21100	13600	9080	3890	3480	3270
24	4590	19100	10600	7440	8930	10400	19800	13900	8430	3840	3440	3220
25	4490	20100	10300	7380	8620	9790	18600	13800	7960	3790	3430	3210
26	4430	20400	10000	7300	8370	9280	17700	13300	7600	3790	3460	3230
27	4370	23600	9760	7190	8120	8910	17100	13000	7290	3870	3430	3270
28	4310	32100	9610	7090	7840	8600	16500	12300	6930	3850	3350	3260
29	4260	29000	9410	7000	---	8370	15600	12000	6580	3900	3320	3250
30	4330	25300	9180	6870	---	8160	14700	11200	6260	4140	3300	3220
31	4600	---	8920	6720	---	7970	---	10700	---	4170	3290	---
TOTAL	139360	351970	445980	236320	275960	276230	494840	349930	400500	139380	115210	96910
MEAN	4495	11730	14390	7623	9856	8911	16490	11290	13350	4496	3716	3230
MAX	5020	32100	23700	8630	12500	12400	22500	14000	20800	5970	4310	3380
MIN	3970	5150	8920	6720	6180	5850	7540	7790	6260	3790	3290	3100
AC-FT	276400	698100	884600	468700	547400	547900	981500	694100	794400	276500	228500	192200
CAL YR 1985	TOTAL	5273940		MEAN	14450	MAX	63200	MIN	3970	AC-FT10461000		
WTR YR 1986	TOTAL	3322590		MEAN	9103	MAX	32100	MIN	3100	AC-FT 6590000		

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 1985 TO SEPTEMBER 1986

		AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNIT S) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV, 1985											
14...	0930	80513	80010	6240	313	7.90	15.0	7.7	76	764	600
JAN, 1986											
28...	1000	80513	80020	7100	265	7.40	4.0	12.6	97	754	8
MAR											
26...	1310	80513	80020	9260	278	8.20	15.0	9.4	94	760	34
MAY											
28...	0945	80513	80020	12300	236	7.90	20.0	5.2	58	755	200
JUL											
22...	0800	80513	80020	3950	327	8.20	27.5	6.9	88	759	21
AUG											
27...	1400	80513	80020	3430	375	8.30	27.5	8.5	109	757	28
DATE	TIME	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	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)
NOV, 1985											
14...	0930	K1600	160	2	34	19	2.8	4	.0	1.6	161
JAN, 1986											
28...	1000	10	140	5	29	16	2.0	3	.0	.90	133
MAR											
26...	1310	210	140	0	28	16	1.8	3	.0	1.1	136
MAY											
28...	0945	590	120	0	25	14	1.7	3	.0	1.4	124
JUL											
22...	0800	K92	170	0	36	20	2.1	3	.0	1.1	174
AUG											
27...	1400	27	180	1	37	22	2.4	3	.0	1.2	182
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)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GFN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	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)	
NOV, 1985											
14...	0930	6.9	2.8	<.10	--	<.010	.20	.030	.030	.27	
JAN, 1986											
28...	1000	7.8	2.5	<.10	.18	.010	.19	.030	.010	.37	
MAR											
26...	1310	6.9	2.5	<.10	.21	.020	.23	.030	.060	.37	
MAY											
28...	0945	5.4	2.2	<.10	--	<.010	.27	.040	.030	.46	
JUL											
22...	0800	4.5	2.7	.10	--	<.010	.21	.040	.020	.46	
AUG											
27...	1400	4.4	3.0	<.10	--	<.010	.17	.050	.010	.15	

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	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)
NOV, 1985										
14...	0930	.30	.050	.030	.010	390	1	<20	1	<1
JAN, 1986										
28...	1000	.40	.020	<.010	.010	--	--	<10	--	--
MAR										
26...	1310	.40	.040	.020	.030	--	--	<10	--	--
MAY										
28...	0945	.50	.060	.030	.010	900	<1	<10	<1	6
JUL										
22...	0800	.50	.030	.020	.020	--	--	<10	--	--
AUG										
27...	1400	.20	.030	.010	<.010	--	--	<10	--	--
DATE	TIME	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	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)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
NOV, 1985										
14...	0930	4	1	650	1	19	.20	2	<1	30
MAY, 1986										
28...	0945	<1	1	1100	<1	100	<.10	2	<1	90

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 mi².

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.--50 years, 503 ft³/s, 14.44 in/yr, 364,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 158,000 ft³/s Dec. 3, 1982, gage height, 35.9 ft, from flood-mark, site then in use, from rating curve extended above 27,000 ft³/s on basis of slope-area measurement of peak flow; minimum observed, 31 ft³/s Oct. 4, 1938.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 27	1430	*11,800	*14.98	No other peak greater than base discharge.			

Minimum discharge, 62 ft³/s Sept. 11, gage height, 1.62 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	89	323	1170	234	127	207	274	957	407	142	69	67		
2	87	565	1250	228	128	202	268	619	388	141	89	67		
3	85	350	826	221	133	196	259	478	342	133	89	74		
4	85	270	701	212	185	188	294	418	388	125	90	77		
5	81	230	617	205	223	181	1920	381	661	125	98	78		
6	78	204	546	199	319	177	1130	359	1010	122	87	74		
7	77	188	490	194	442	172	772	333	1210	117	83	70		
8	77	173	452	187	492	168	1360	313	672	114	88	67		
9	77	160	418	181	430	164	1410	295	704	113	92	65		
10	77	156	387	179	400	173	896	292	872	106	88	65		
11	85	151	1430	178	369	184	735	474	686	102	85	65		
12	82	149	1140	172	341	1040	647	624	523	104	81	66		
13	81	178	828	167	319	975	568	422	436	102	76	66		
14	87	226	677	165	313	641	545	347	374	102	76	65		
15	94	234	588	163	323	527	523	329	332	103	74	73		
16	93	397	536	158	334	459	461	298	302	98	74	92		
17	108	455	495	156	334	409	422	283	276	93	76	89		
18	104	354	463	158	331	478	394	281	253	91	76	94		
19	103	395	425	161	314	1310	491	267	234	87	74	95		
20	101	701	396	157	298	871	2780	249	220	84	73	87		
21	171	517	369	154	281	651	2610	230	205	83	71	82		
22	260	381	357	151	266	554	1380	237	195	82	69	78		
23	245	326	347	146	256	500	1010	317	184	81	69	77		
24	181	286	331	142	246	458	825	583	176	76	69	77		
25	155	262	306	140	236	416	707	514	167	75	71	77		
26	139	404	287	134	228	384	614	696	162	81	74	77		
27	130	8400	279	129	222	361	543	568	162	84	71	77		
28	124	5270	270	132	215	337	499	462	158	83	72	77		
29	118	1670	260	132	---	316	456	431	150	83	71	75		
30	119	1160	249	129	---	302	419	384	142	77	70	75		
31	160	---	245	127	---	286	---	333	---	72	69	---		
TOTAL	3553	24535	17135	5191	8105	13287	25212	12774	11991	3081	2414	2268		
MEAN	115	818	553	167	289	429	840	412	400	99.4	77.9	75.6		
MAX	260	8400	1430	234	492	1310	2780	957	1210	142	98	95		
MIN	77	149	245	127	127	164	259	230	142	72	69	65		
CFSM	.24	1.73	1.17	.35	.61	.91	1.78	.87	.85	.21	.16	.16		
IN.	.28	1.93	1.35	.41	.64	1.04	1.98	1.00	.94	.24	.19	.18		
AC-FT	7050	48670	33990	10300	16080	26350	50010	25340	23780	6110	4790	4500		
CAL YR 1985	TOTAL	211236	MEAN	579	MAX	11600	MIN	77	CFSM	1.22	IN.	16.61	AC-FT	419000
WTR YR 1986	TOTAL	129546	MEAN	355	MAX	8400	MIN	65	CFSM	.75	IN.	10.19	AC-FT	257000

WHITE RIVER BASIN

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
15...	1115	9827	9827	108	8.17	18.0	3.0	7.8	.6
NOV									
19...	1100	9827	9827	465	8.26	17.0	20	9.0	1.2
DEC									
17...	1500	9827	9827	542	8.08	7.0	6.0	12.4	.7
JAN, 1986									
21...	1400	9827	9827	179	8.27	13.0	1.0	12.8	.8
FEB									
11...	1400	9827	9827	390	8.18	5.0	7.0	13.3	.9
MAR									
11...	1330	9827	9827	201	8.34	14.0	2.0	11.2	1.0
APR									
08...	1330	9827	9827	1630	8.03	18.0	35	8.9	1.7
MAY									
27...	1330	9827	9827	617	8.16	20.0	20	8.7	1.5
JUN									
10...	1345	9827	9827	1010	7.94	25.0	30	7.3	1.2
JUL									
29...	1400	9827	9827	96	8.25	30.0	5.5	8.4	2.0
AUG									
12...	1345	9827	9827	93	--	28.0	--	9.3	2.3
SEP									
09...	1430	9827	9827	75	8.09	22.0	5.0	8.9	.9

DATE	TIME	COLI-FORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARD-NESS (MG/L AS CaCO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
15...	1115	190	220	6.0	2.5	--	8	.10	<.010
NOV									
19...	1100	84	190	9.0	--	186	--	.26	.010
DEC									
17...	1500	28	200	4.0	3.5	189	8	.50	<.010
JAN, 1986									
21...	1400	20	220	6.0	2.5	226	4	--	.020
FEB									
11...	1400	24	200	--	3.5	217	7	--	.010
MAR									
11...	1330	<4	220	8.0	3.5	230	3	--	<.010
APR									
08...	1330	440	160	--	3.0	185	49	.20	.030
MAY									
27...	1330	210	190	--	3.0	206	--	--	.070
JUN									
10...	1345	410	160	14	1.5	--	--	.23	.030
JUL									
29...	1400	170	120	2.0	1.5	127	11	.10	.360
AUG									
12...	1345	40	220	10	1.0	228	21	.11	.040
SEP									
09...	1430	30	220	7.0	2.0	214	10	--	.010

07074100 STRAWBERRY RIVER NEAR SMITHVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
15...	1115	.020	.030	<1	1	<15	4	--	20
NOV									
19...	1100	.060	.020	<1	<1	<15	3	--	--
DEC									
17...	1500	.020	.020	<1	--	<15	3	--	30
JAN, 1986									
21...	1400	.010	<.010	<1	<1	<15	<1	<.50	<10
FEB									
11...	1400	.020	.010	1	5	<15	1	--	<10
MAR									
11...	1330	.030	--	<1	1	15	<1	--	10
APR									
08...	1330	.080	--	<1	4	<15	2	--	<10
MAY									
27...	1330	--	.020	<1	<1	<15	2	--	<10
JUN									
10...	1345	.080	.040	<1	1	43	3	--	--
JUL									
29...	1400	.050	.020	<1	1	<15	--	--	20
AUG									
12...	1345	.020	.030	<1	<1	<15	<1	--	--
SEP									
09...	1430	--	<.010	<1	<1	<15	<1	--	10

WHITE RIVER BASIN

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTAN-TANEOUS (CFS) (00061)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
15...	1430	9827	9827	15500	--	18.0	8.0	9.3	1.2
NOV									
19...	1500	9827	9827	14200	8.12	17.0	40	9.2	1.3
DEC									
17...	1330	9827	9827	52000	7.93	7.0	25	11.2	.9
JAN, 1986									
14...	1330	9827	9827	37400	7.88	7.0	25	11.8	.7
FEB									
18...	1415	9827	9827	17800	7.94	9.0	20	11.8	1.3
MAR									
11...	1405	9827	9827	12500	8.15	13.0	3.0	10.8	1.3
APR									
08...	1320	9827	9827	26800	7.91	19.0	30	8.8	1.5
MAY									
13...	1250	9827	9827	19200	7.79	21.0	20	8.3	1.1
JUN									
10...	1345	9827	9827	28600	7.75	25.0	40	6.8	1.6
JUL									
08...	1430	9827	9827	10900	8.25	28.0	20	9.7	2.7
AUG									
12...	1400	9827	9827	9430	8.84	27.0	20	9.3	2.7
SEP									
09...	1405	9827	9827	6640	--	24.0	15	9.6	2.0
DATE	TIME	COLI-FORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARD-NESS (MG/L AS CAC03) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
15...	1430	16	150	7.0	8.0	--	17	.24	.040
NOV									
19...	1500	60	160	8.0	--	164	--	.27	.010
DEC									
17...	1330	64	120	8.0	4.0	140	18	.33	.010
JAN, 1986									
14...	1330	4	130	10	3.0	176	18	.21	.050
FEB									
18...	1415	40	140	8.0	4.5	154	31	.30	.030
MAR									
11...	1405	4	160	9.0	5.0	173	37	.22	<.010
APR									
08...	1320	180	120	6.0	3.5	149	31	--	.020
MAY									
13...	1250	96	140	10	3.5	161	38	.31	.060
JUN									
10...	1345	210	110	6.0	3.3	159	62	--	.020
JUL									
08...	1430	12	160	4.0	3.5	--	--	--	.010
AUG									
12...	1400	32	170	10	3.5	174	41	--	<.010
SEP									
09...	1405	8	170	8.0	4.0	184	31	.28	--

WHITE RIVER BASIN

07074491 WHITE RIVER AT JACKSONPORT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
15...	1430	.060	<.010	<1	1	19	--	--	130
NOV									
19...	1500	.100	.050	<1	<1	<15	2	--	--
DEC									
17...	1330	.030	.050	<1	1	<15	3	--	<10
JAN, 1986									
14...	1330	.070	.020	<1	3	<15	2	<.50	20
FEB									
18...	1415	.070	.030	<1	3	<15	1	--	20
MAR									
11...	1405	--	.010	<1	<1	<15	5	--	30
APR									
08...	1320	.080	--	<1	1	<15	1	--	20
MAY									
13...	1250	.080	.030	<1	<1	18	2	--	20
JUN									
10...	1345	.120	.060	<1	2	15	2	--	30
JUL									
08...	1430	.050	.030	<1	<1	<15	--	--	10
AUG									
12...	1400	.050	.020	<1	<1	<15	1	--	20
SEP									
09...	1405	.040	<.010	<1	<1	<15	<1	--	20

WHITE RIVER BASIN

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 mi².

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.--Estimated daily discharges: Jan. 18, 19, Feb. 13. Water-discharge records good except for estimated daily discharges, which are fair. 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.--53 years, 22,800 ft³/s, 16,520,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 343,000 ft³/s Apr. 17, 1945; maximum gage height observed, 35.9 ft Apr. 18, 1945; minimum discharge, 2,870 ft³/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, 52,200 ft³/s Dec. 16, gage height, 21.44 ft; minimum daily, 5,510 ft³/s Sept. 3.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9740	9120	46400	50400	18100	23300	13100	38400	22000	14100	20000	6550
2	14600	10400	45600	49900	18500	26100	12700	36800	21100	15500	18700	5890
3	16700	10300	44700	49800	15600	23400	13600	34500	20000	15000	17200	5510
4	18100	9950	43400	49500	13100	17600	15600	32100	20000	12500	13600	8970
5	15600	9590	41700	49100	13800	18600	18700	27900	20800	10700	11300	13900
6	12200	9410	39400	48100	16200	19900	24000	23000	24800	11800	10600	14200
7	9540	11500	38400	46800	17900	21600	25600	22800	26000	13300	9080	11900
8	8610	12600	38800	45400	19900	22300	27400	24400	25200	11300	9010	9210
9	16000	14100	40600	43900	20800	21600	37200	25600	26800	9000	9490	6810
10	18600	12600	42500	42700	20200	16900	46400	25900	28600	13500	11300	5810
11	20600	10900	45000	41400	19600	12900	45200	25500	30300	14700	11200	6360
12	21600	8760	49200	40100	19700	14200	44500	22600	30800	13700	9570	9960
13	20800	7760	50200	39200	25000	23000	44500	19700	29900	12400	10000	12800
14	17000	8950	50500	37700	27000	24400	43000	22800	29000	10400	10100	11200
15	15600	11300	51400	36600	26500	25000	41700	22500	28400	8300	10000	9510
16	19200	12600	52000	35800	23800	25400	40900	23000	27300	10100	14200	8240
17	17300	13000	51900	34900	20800	24900	39900	25000	26000	15800	13400	11000
18	18500	13300	51300	28000	18100	23200	39000	27500	25800	16700	11700	13500
19	20400	14300	50800	20000	18200	24000	38900	25800	24900	15700	10300	12600
20	15700	22400	50900	17900	19200	26400	40200	22500	23800	15100	11800	12900
21	13000	34200	51300	17200	21500	26400	44800	25600	23400	13000	14200	15300
22	12200	33900	51600	16500	24800	26300	49300	26600	23700	10400	13400	13500
23	14100	30100	51600	15900	24100	26500	48800	27200	23300	10600	12700	14300
24	13200	28000	51300	17000	22900	24700	46600	27900	19600	13800	13300	15700
25	12200	25600	50800	20600	21500	21200	45600	26800	18100	14700	10900	12800
26	12400	24500	50600	19900	17900	19900	44500	24900	18700	17200	7820	11100
27	11500	29500	50300	16700	19700	19500	42800	23300	19200	16800	10100	11600
28	9570	43200	50300	14300	20500	17800	40700	21800	22300	14100	13900	11000
29	8000	50700	50500	15600	---	18300	39400	21000	23000	11900	10800	8890
30	7640	49100	50500	18200	---	16100	39300	19800	17400	17800	7590	6680
31	8200	---	50600	18400	---	14000	---	20700	---	21200	6360	---
TOTAL	448400	581640	1484100	997500	564900	665400	1093900	793900	720200	421100	363620	317690
MEAN	14460	19390	47870	32180	20180	21460	36460	25610	24010	13580	11730	10590
MAX	21600	50700	52000	50400	27000	26500	49300	38400	30800	21200	20000	15700
MIN	7640	7760	38400	14300	13100	12900	12700	19700	17400	8300	6360	5510
AC-FT	889400	1154000	2944000	1979000	1120000	1320000	2170000	1575000	1429000	835300	721200	630100
CAL YR 1985	TOTAL	14066440	MEAN	38540	MAX	92400	MIN	7640	AC-FT27901000			
WTR YR 1986	TOTAL	8452350	MEAN	23160	MAX	52000	MIN	5510	AC-FT16765000			

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNIT'S) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MI OF HG) (00025)
OCT, 1985											
29...	1300	80513	80010	7800	320	8.30	16.5	13	8.5	88	755
DEC											
31...	1100	80513	80020	51700	258	8.00	7.0	12	12.8	106	756
FEB, 1986											
24...	1100	80513	80020	22800	275	8.30	6.5	10	12.0	98	762
APR											
15...	1100	80513	80020	43100	243	8.20	12.5	23	9.9	93	758
JUN											
02...	1130	80513	80020	21200	272	8.20	18.0	30	8.5	91	756
AUG											
18...	1200	80513	80020	11100	262	8.30	20.0	15	9.0	99	759
DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	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)
OCT, 1985											
29...	1300	47	30	160	0	38	17	2.8	4	.0	1.4
DEC											
31...	1100	K13	110	130	11	33	12	2.1	3	.0	1.6
FEB, 1986											
24...	1100	9	3	140	6	33	14	2.3	3	.0	1.3
APR											
15...	1100	64	540	120	6	30	11	1.8	3	.0	1.5
JUN											
02...	1130	58	170	130	0	31	13	2.2	3	.0	1.4
AUG											
18...	1200	21	46	150	3	38	14	3.3	4	.1	1.4
DATE	TIME	ALKA- LITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
OCT, 1985											
29...	1300	167	5.6	4.7	<.10	7.3	183	180	.25	.30	.010
DEC											
31...	1100	118	7.9	3.4	<.10	5.0	135	140	.18	--	<.010
FEB, 1986											
24...	1100	132	7.5	4.0	<.10	5.0	138	150	.19	--	<.010
APR											
15...	1100	115	7.4	2.6	<.10	6.1	128	130	.17	--	<.010
JUN											
02...	1130	128	9.5	2.8	<.10	6.5	150	150	.20	--	<.010
AUG											
18...	1200	149	8.3	5.1	.10	6.9	163	170	.22	--	<.010

WHITE RIVER BASIN

07074500 WHITE RIVER AT NEWPORT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)
OCT, 1985											
29...	1300	.31	.040	.020	.26	.30	.030	.010	.020	--	--
DEC											
31...	1100	.27	.020	.010	.48	.50	.030	.010	.010	40	<1
FEB, 1986											
24...	1100	.22	.040	.040	.36	.40	.050	<.010	<.010	20	<1
APR											
15...	1100	.25	.020	.040	.48	.50	.050	.020	.010	--	--
JUN											
02...	1130	.28	.030	.030	.37	.40	.090	.020	.020	20	<1
AUG											
18...	1200	.25	.060	.020	.44	.50	.060	.010	<.010	--	--

DATE	TIME	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	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)
DEC, 1985											
31...	1100	30	<.5	2	2	<3	1	33	<1	<4	4
FEB, 1986											
24...	1100	33	<.5	<1	4	<3	4	8	1	<4	4
JUN											
02...	1130	40	<.5	<1	3	<3	3	18	3	<4	4

DATE	TIME	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	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, DIS- SUS- PENDEDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT, 1985											
29...	1300	--	--	--	--	--	--	--	65	1370	73
DEC											
31...	1100	<.1	<10	<1	<1	<1	28	8	202	28200	12
FEB, 1986											
24...	1100	<.1	<10	7	<1	<1	35	6	30	1850	78
APR											
15...	1100	--	--	--	--	--	--	--	213	24800	22
JUN											
02...	1130	<.1	<10	2	<1	<1	35	38	81	4640	81
AUG											
18...	1200	--	--	--	--	--	--	--	70	2100	61

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985										
08...	1530	9827	9827	2.0	7.73	19.0	3.0	9.6	1.2	<4
NOV										
05...	1550	9827	9827	227	7.53	14.0	8.0	10.0	.7	60
DEC										
17 ..	0950	9827	9827	400	7.40	5.0	6.0	12.4	.7	<4
JAN, 1986										
14...	0920	9827	9827	74	7.51	2.0	3.0	13.6	.6	<4
FEB										
18...	0915	9827	9827	456	7.50	8.0	4.0	11.3	.9	4
MAR										
11...	0925	9827	9827	122	7.64	14.0	3.0	10.1	.8	10
APR										
08...	0901	9827	9827	3610	7.27	15.0	290	9.4	4.7	5900
MAY										
13...	0910	9827	9827	45	7.33	25.0	4.0	7.8	.6	20
JUN										
10...	0925	9827	9827	855	7.50	24.0	9.0	8.2	.7	130
JUL										
08...	0950	9827	9827	25	7.65	31.0	3.0	8.6	2.5	8
AUG										
12...	0910	9827	9827	263	7.88	25.0	2.0	8.0	1.8	160
SEP										
09...	0905	9827	9827	22	--	23.0	4.3	7.1	.9	28
DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT, 1985										
08...	1530	40	7.0	3.0	63	2	.03	<.010	.010	.040
NOV										
05...	1550	44	15	4.0	58	1	.08	<.010	.050	.040
DEC										
17...	0950	34	8.0	2.5	37	2	.14	<.010	.040	.030
JAN, 1986										
14...	0920	42	10	3.0	66	3	.03	.040	.030	<.010
FEB										
18...	0915	40	8.0	3.0	58	4	.02	.040	.020	.010
MAR										
11...	0925	34	10	3.5	56	2	.03	.010	--	.010
APR										
08...	0901	40	7.0	3.5	98	441	--	.060	.630	--
MAY										
13...	0910	40	9.0	1.5	51	3	.03	.050	.040	.010
JUN										
10...	0925	20	7.0	2.5	77	10	--	<.010	.060	.030
JUL										
08...	0950	40	4.0	2.0	--	--	--	.020	.040	.060
AUG										
12...	0910	46	12	1.5	63	11	--	.040	.040	.090
SEP										
09...	0905	34	8.0	1.0	46	7	.13	--	.020	<.010

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
08...	1530	4	<1	<15	<1	--	2.00	<3	--
NOV									
05...	1550	--	<1	<1	<15	<1	--	--	--
DEC									
17...	0950	--	<1	<1	<15	3	--	--	<10
JAN, 1986									
14...	0920	1	<1	4	31	3	<.50	1	60
FEB									
18...	0915	--	<1	4	17	<1	--	--	50
MAR									
11...	0925	--	<1	<1	<15	<1	--	--	30
APR									
08...	0901	15	1	12	<15	6	--	<1	40
MAY									
13...	0910	--	<1	<1	16	<1	--	--	20
JUN									
10...	0925	--	<1	<1	<15	<1	--	--	20
JUL									
08...	0950	1	<1	<1	3	--	--	2	10
AUG									
12...	0910	--	<1	<1	<15	1	--	--	20
SEP									
09...	0905	--	<1	<1	<15	<1	--	--	20

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 mi².

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

AVERAGE DISCHARGE.--25 years, 242 ft³/s, 22.21 in/yr, 175,300 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 67,900 ft³/s Dec. 3, 1982, gage height, 34.27 ft, from flood-marks, from rating curve extended above 24,000 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 27	0600	*10,600	b*16.30	No other peak greater than base discharge.			

b From floodmark.

Minimum discharge, 1.8 ft³/s July 31, gage height, 5.95 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	17	388	1220	62	37	125	124	414	116	15	2.5	6.8		
2	14	250	795	58	37	122	124	427	109	15	12	6.4		
3	12	180	544	57	43	119	125	303	107	13	9.1	6.4		
4	10	138	441	54	243	116	481	249	106	13	5.1	6.3		
5	10	115	371	50	339	112	1610	215	110	13	4.2	9.5		
6	9.4	99	320	48	569	110	744	195	156	13	6.4	10		
7	6.2	85	281	46	685	107	521	176	197	12	9.6	8.4		
8	3.9	70	251	44	616	104	2980	159	243	11	142	8.0		
9	4.3	63	227	41	492	103	1180	180	269	10	74	8.3		
10	6.0	58	212	41	416	115	738	191	491	9.7	65	9.1		
11	8.5	54	768	40	354	140	553	342	246	8.6	63	10		
12	9.9	50	625	40	311	2020	448	331	174	8.0	38	12		
13	12	47	439	39	279	791	384	243	134	7.3	27	12		
14	17	44	330	38	265	494	400	201	111	6.6	20	12		
15	21	131	275	37	246	386	373	319	99	6.4	17	11		
16	24	570	236	37	236	317	312	305	93	6.1	53	13		
17	25	375	202	40	236	295	274	463	77	6.0	77	21		
18	34	875	177	41	221	1040	248	637	59	7.2	51	22		
19	102	596	151	45	208	1130	376	451	50	6.1	36	21		
20	311	479	135	46	195	536	1470	343	43	3.7	28	18		
21	171	372	123	46	182	434	999	280	40	3.3	22	12		
22	122	308	114	45	169	372	650	244	34	3.8	18	12		
23	97	256	109	42	160	311	500	211	34	4.3	16	11		
24	81	219	101	42	153	262	402	195	50	4.2	13	11		
25	79	199	91	41	143	221	335	200	49	4.2	10	12		
26	72	605	83	40	138	194	283	184	33	4.2	10	12		
27	64	8500	79	38	135	176	246	165	26	4.9	12	11		
28	58	2100	76	37	131	158	253	152	22	5.4	13	12		
29	58	840	72	37	---	146	216	142	20	5.2	11	14		
30	59	565	69	37	---	138	192	130	17	3.8	8.9	15		
31	262	---	68	37	---	130	---	121	---	2.1	8.0	---		
TOTAL	1780.2	18631	8985	1346	7239	10824	17541	8168	3315	236.1	881.8	353.2		
MEAN	57.4	621	290	43.4	259	349	585	263	111	7.62	28.4	11.8		
MAX	311	8500	1220	62	685	2020	2980	637	491	15	142	22		
MIN	3.9	44	68	37	37	103	124	121	17	2.1	2.5	6.3		
CFSM	.39	4.20	1.96	.29	1.75	2.36	3.95	1.78	.75	.05	.19	.08		
IN.	.45	4.68	2.26	.34	1.82	2.72	4.41	2.05	.83	.06	.22	.09		
AC-FT	3530	36950	17820	2670	14360	21470	34790	16200	6580	468	1750	701		
CAL YR 1985	TOTAL	93906.39	MEAN	257	MAX	8500	MIN	.00	CFSM	1.74	IN.	23.60	AC-FT	186300
WTR YR 1986	TOTAL	79300.3	MEAN	217	MAX	8500	MIN	2.1	CFSM	1.47	IN.	19.93	AC-FT	157300

WHITE RIVER BASIN

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 mi².

PERIOD OF RECORD.--October 1970 to September 1972, December 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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											
08...	0820	80513	80020	.00	143	37	6.60	19.5	8.1	756	5.2
08...	0822	80513	80020	10.0	143	36	6.70	20.0	8.1	756	--
08...	0824	80513	80020	20.0	143	36	6.80	20.0	8.1	756	--
08...	0826	80513	80020	30.0	143	36	6.80	20.0	8.1	756	--
08...	0828	80513	80020	40.0	143	36	6.60	19.0	6.4	756	--
08...	0830	80513	80020	42.0	143	35	6.20	18.0	3.5	756	--
08...	0832	80513	80020	43.0	143	36	6.10	17.5	3.3	756	--
08...	0833	80513	80020	44.0	143	36	6.10	16.5	3.2	756	--
08...	0834	80513	80020	46.0	143	36	6.10	15.5	3.2	756	--
08...	0836	80513	80020	50.0	143	36	6.00	15.0	3.4	756	--
08...	0837	80513	80020	55.0	143	36	6.10	13.5	4.0	756	--
08...	0838	80513	80020	60.0	143	36	6.10	13.0	4.3	756	--
08...	0840	80513	80020	70.0	143	36	6.10	12.0	5.1	756	--
08...	0842	80513	80020	80.0	143	36	6.20	11.5	5.8	756	--
08...	0844	80513	80020	90.0	143	36	6.20	10.5	6.2	756	--
08...	0846	80513	80020	100	143	35	6.20	10.0	6.0	756	--
08...	0848	80513	80020	110	143	35	6.20	9.5	5.3	756	--
08...	0850	80513	80020	120	143	37	6.10	9.0	4.2	756	--
08...	0852	80513	80020	130	143	38	6.10	8.5	3.5	756	--
08...	0854	80513	80020	140	143	40	6.10	8.5	2.9	756	--
08...	0856	80513	80020	143	143	41	6.10	8.5	2.7	756	--
NOV											
04...	0930	80513	80020	.00	145	37	7.10	17.0	8.2	759	5.8
04...	0932	80513	80020	10.0	145	37	7.00	17.0	8.0	759	--
04...	0934	80513	80020	20.0	145	37	6.90	17.0	7.9	759	--
04...	0936	80513	80020	30.0	145	37	6.90	17.0	7.9	759	--
04...	0938	80513	80020	40.0	145	37	6.90	17.0	7.9	759	--
04...	0940	80513	80020	50.0	145	37	6.90	17.0	7.8	759	--
04...	0942	80513	80020	56.0	145	37	6.30	16.0	2.7	759	--
04...	0943	80513	80020	58.0	145	37	6.10	15.0	2.6	759	--
04...	0944	80513	80020	60.0	145	36	6.10	14.5	2.8	759	--
04...	0945	80513	80020	65.0	145	36	6.10	13.0	3.9	759	--
04...	0946	80513	80020	70.0	145	37	6.10	12.5	4.3	759	--
04...	0948	80513	80020	80.0	145	37	6.20	11.5	5.0	759	--
04...	0950	80513	80020	90.0	145	37	6.20	11.0	5.3	759	--
04...	0952	80513	80020	100	145	37	6.20	10.5	5.3	759	--
04...	0954	80513	80020	110	145	36	6.10	10.0	4.8	759	--
04...	0956	80513	80020	120	145	38	6.10	9.0	3.4	759	--
04...	0958	80513	80020	130	145	42	6.00	9.0	2.3	759	--
04...	1000	80513	80020	140	145	42	6.10	8.5	1.8	759	--
04...	1002	80513	80020	145	145	43	6.10	8.5	1.7	759	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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								
03...	0800	80513	80020	.00	147	37	7.00	13.5
03...	0801	80513	80020	3.00	147	37	7.00	13.5
03...	0804	80513	80020	10.0	147	37	6.90	13.5
03...	0808	80513	80020	20.0	147	37	7.00	13.5
03...	0810	80513	80020	25.0	147	39	7.00	13.5
03...	0812	80513	80020	30.0	147	37	7.00	13.5
03...	0814	80513	80020	40.0	147	38	6.90	13.5
03...	0816	80513	80020	50.0	147	37	6.90	13.5
03...	0818	80513	80020	60.0	147	37	6.90	13.5
03...	0820	80513	80020	70.0	147	36	6.80	13.5
03...	0822	80513	80020	75.0	147	38	6.50	12.5
03...	0824	80513	80020	80.0	147	38	6.40	12.0
03...	0828	80513	80020	90.0	147	38	6.40	11.5
03...	0830	80513	80020	100	147	38	6.30	10.5
03...	0832	80513	80020	110	147	38	6.30	10.0
03...	0834	80513	80020	120	147	39	6.20	9.5
03...	0836	80513	80020	130	147	43	6.20	9.0
03...	0838	80513	80020	140	147	46	6.20	9.0
03...	0840	80513	80020	147	147	47	6.20	9.0

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	BARO- METRIC PRES- SURE (MM 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								
03..	0800	8.5	766	4.6	26	--	--	--
03...	0801	8.4	766	--	--	--	--	--
03...	0804	8.3	766	--	--	--	--	--
03...	0808	8.3	766	--	--	--	--	--
03...	0810	8.3	766	--	--	5	.50	.7
03...	0812	8.3	766	--	--	--	--	--
03...	0814	8.2	766	--	--	--	--	--
03...	0816	8.2	766	--	--	--	--	--
03...	0818	8.0	766	--	--	--	--	--
03...	0820	7.9	766	--	--	--	--	--
03...	0822	3.7	766	--	--	--	--	--
03...	0824	3.9	766	--	--	--	--	--
03...	0828	4.3	766	--	--	--	--	--
03...	0830	4.2	766	--	--	7	1.2	.8
03...	0832	3.8	766	--	--	--	--	--
03...	0834	2.7	766	--	--	--	--	--
03...	0836	1.5	766	--	--	--	--	--
03...	0838	.7	766	--	--	--	--	--
03...	0840	.5	766	--	--	--	--	--

DATE	TIME	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LINITY FIELD (MG/L AS CAC03) (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								
03...	0801	--	--	<.10	<.010	<.010	.700	<.100
03...	0810	15	14	<.10	<.010	<.010	--	--
03..	0830	18	15	.20	<.010	<.010	--	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBFR) (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											
06...	0945	80513	80020	.00	167	37	6.70	8.5	7.8	758	2.20
06...	0947	80513	80020	10.0	167	38	6.60	8.5	7.5	758	--
06...	0949	80513	80020	20.0	167	38	6.70	8.5	7.6	758	--
06...	0950	80513	80020	30.0	167	38	6.60	8.5	7.6	758	--
06...	0952	80513	80020	40.0	167	38	6.70	8.5	7.5	758	--
06...	0954	80513	80020	50.0	167	38	6.70	8.5	7.5	758	--
06...	0956	80513	80020	60.0	167	38	6.70	8.5	7.5	758	--
06...	0958	80513	80020	70.0	167	38	6.70	8.5	7.5	758	--
06...	1000	80513	80020	80.0	167	38	6.70	8.5	7.5	758	--
06...	1002	80513	80020	90.0	167	38	6.70	8.5	7.5	758	--
06...	1004	80513	80020	100	167	38	6.70	8.5	7.5	758	--
06...	1006	80513	80020	110	167	38	6.70	8.5	7.5	758	--
06...	1008	80513	80020	120	167	38	6.70	8.5	7.5	758	--
06...	1010	80513	80020	130	167	38	6.70	8.5	7.5	758	--
06...	1012	80513	80020	140	167	38	6.70	8.5	7.5	758	--
06...	1014	80513	80020	150	167	38	6.70	8.5	7.5	758	--
06...	1016	80513	80020	160	167	38	6.70	8.5	7.5	758	--
06...	1018	80513	80020	167	167	38	6.70	8.5	7.5	758	--
FEB											
18...	0900	80513	80020	.00	153	35	7.00	8.0	10.9	756	4.3
18...	0902	80513	80020	10.0	153	35	7.00	8.0	10.9	756	--
18...	0904	80513	80020	20.0	153	35	7.00	8.0	10.8	756	--
18...	0906	80513	80020	30.0	153	35	7.00	7.5	10.7	756	--
18...	0908	80513	80020	40.0	153	33	7.00	7.5	10.6	756	--
18...	0910	80513	80020	50.0	153	34	7.00	7.0	10.4	756	--
18...	0912	80513	80020	60.0	153	34	7.00	7.0	10.5	756	--
18...	0914	80513	80020	70.0	153	34	7.00	7.0	10.4	756	--
18...	0916	80513	80020	80.0	153	34	6.90	7.0	10.4	756	--
18...	0918	80513	80020	90.0	153	34	6.90	7.0	10.4	756	--
18...	0920	80513	80020	100	153	34	6.90	7.0	10.4	756	--
18...	0922	80513	80020	110	153	33	6.90	7.0	10.4	756	--
18...	0924	80513	80020	120	153	33	6.90	7.0	10.4	756	--
18...	0926	80513	80020	130	153	31	6.90	7.0	10.5	756	--
18...	0928	80513	80020	140	153	33	6.90	7.0	10.5	756	--
18...	0930	80513	80020	150	153	32	6.90	7.0	10.5	756	--
18...	0935	80513	80020	153	153	32	6.80	7.0	10.4	756	--
MAR											
03...	0915	80513	80020	.00	152	34	7.20	9.0	11.9	758	3.5
03...	0916	80513	80020	10.0	152	34	7.10	9.0	11.8	758	--
03...	0918	80513	80020	20.0	152	34	7.10	9.0	11.8	758	--
03...	0920	80513	80020	30.0	152	34	7.10	8.0	11.6	758	--
03...	0922	80513	80020	40.0	152	33	7.10	8.0	11.5	758	--
03...	0924	80513	80020	50.0	152	34	7.00	7.5	11.5	758	--
03...	0926	80513	80020	60.0	152	33	7.00	7.5	11.4	758	--
03...	0928	80513	80020	70.0	152	34	7.00	7.0	11.4	758	--
03...	0930	80513	80020	80.0	152	34	7.00	7.0	11.3	758	--
03...	0932	80513	80020	90.0	152	33	7.00	7.0	11.2	758	--
03...	0934	80513	80020	100	152	34	7.00	7.0	11.1	758	--
03...	0936	80513	80020	110	152	34	6.90	7.0	11.1	758	--
03...	0938	80513	80020	120	152	34	6.90	6.5	11.1	758	--
03...	0940	80513	80020	130	152	32	6.90	6.5	11.0	758	--
03...	0942	80513	80020	140	152	33	6.90	6.5	11.1	758	--
03...	0944	80513	80020	150	152	33	6.90	6.5	11.0	758	--
03...	0945	80513	80020	152	152	32	6.90	6.5	10.8	758	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		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)
APR											
07...	0930	80513	80020	.00	153	34	6.30	18.0	10.3	757	5.3
07...	0932	80513	80020	10.0	153	34	6.50	17.0	10.5	757	--
07...	0934	80513	80020	15.0	153	33	6.60	16.0	10.5	757	--
07...	0936	80513	80020	17.0	153	34	6.80	14.5	11.2	757	--
07...	0938	80513	80020	20.0	153	34	6.90	13.0	11.4	757	--
07...	0940	80513	80020	22.0	153	34	6.90	12.0	11.5	757	--
07...	0942	80513	80020	27.0	153	33	6.90	11.5	11.3	757	--
07...	0944	80513	80020	30.0	153	33	6.80	11.0	11.3	757	--
07...	0946	80513	80020	40.0	153	34	6.70	10.5	10.9	757	--
07...	0948	80513	80020	50.0	153	33	6.60	10.0	10.8	757	--
07...	0950	80513	80020	60.0	153	33	6.60	9.5	10.7	757	--
07...	0952	80513	80020	70.0	153	34	6.50	9.0	10.7	757	--
07...	0954	80513	80020	80.0	153	33	6.40	8.5	10.7	757	--
07...	0956	80513	80020	90.0	153	33	6.40	8.5	10.6	757	--
07...	0958	80513	80020	100	153	33	6.40	8.0	10.6	757	--
07...	1000	80513	80020	110	153	32	6.30	7.5	10.4	757	--
07...	1002	80513	80020	120	153	32	6.30	7.5	10.4	757	--
07...	1004	80513	80020	130	153	32	6.30	7.0	10.4	757	--
07...	1006	80513	80020	140	153	32	6.20	7.0	10.0	757	--
07...	1008	80513	80020	150	153	32	6.20	7.0	10.0	757	--
07...	1010	80513	80020	153	153	32	6.20	7.0	9.9	757	--
MAY											
21...	1015	80513	80010	.00	150	36	7.70	22.5	9.0	760	4.3
21...	1018	80513	80020	10.0	150	36	7.80	22.5	8.8	760	--
21...	1020	80513	80020	20.0	150	36	7.50	22.0	9.1	760	--
21...	1021	80513	80020	21.0	150	36	7.50	21.0	9.5	760	--
21...	1023	80513	80020	23.0	150	36	7.40	20.0	9.3	760	--
21...	1025	80513	80020	25.0	150	36	7.30	19.0	9.4	760	--
21...	1027	80513	80020	28.0	150	36	7.10	18.0	9.1	760	--
21...	1030	80513	80020	30.0	150	36	7.00	17.5	9.0	760	--
21...	1032	80513	80020	33.0	150	36	6.80	16.5	8.8	760	--
21...	1034	80513	80020	36.0	150	36	6.80	15.5	8.8	760	--
21...	1036	80513	80020	40.0	150	36	6.80	14.5	8.9	760	--
21...	1038	80513	80020	45.0	150	37	6.80	13.5	9.3	760	--
21...	1040	80513	80020	50.0	150	37	6.80	12.0	9.4	760	--
21...	1042	80513	80020	55.0	150	37	6.80	11.0	9.6	760	--
21...	1044	80513	80020	60.0	150	37	6.80	10.5	9.7	760	--
21...	1046	80513	80020	70.0	150	37	6.70	10.0	9.7	760	--
21...	1048	80513	80020	80.0	150	37	6.70	9.0	9.7	760	--
21...	1049	80513	80020	90.0	150	37	6.70	8.5	9.7	760	--
21...	1050	80513	80020	100	150	37	6.70	8.0	9.6	760	--
21...	1052	80513	80020	110	150	37	6.60	8.0	9.3	760	--
21...	1054	80513	80020	120	150	38	6.60	7.5	9.0	760	--
21...	1056	80513	80020	130	150	38	6.50	7.5	8.8	760	--
21...	1058	80513	80020	140	150	38	6.50	7.5	8.8	760	--
21...	1100	80513	80020	150	150	38	6.50	7.5	8.6	760	--
		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- LITY 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)	
MAY											
21...	1015	4	--	--	--	--	--	--	--	--	--
21...	1025	--	5	1.2	1.4	13	12	<.10	.010	<.010	--
21...	1050	--	5	1.2	1.3	14	13	.20	.010	<.010	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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									
02...	1000	80513	80020	.00	152	35	7.10	25.0	7.3
02...	1001	80513	80020	3.00	152	35	7.10	25.0	7.6
02...	1002	80513	80020	10.0	152	35	7.10	25.0	7.3
02...	1004	80513	80020	17.0	152	34	7.40	24.0	7.7
02...	1006	80513	80020	18.0	152	35	7.60	23.0	7.9
02...	1008	80513	80020	20.0	152	34	7.60	23.0	7.8
02...	1010	80513	80020	23.0	152	34	7.60	22.0	8.4
02...	1012	80513	80020	25.0	152	34	7.50	21.5	8.0
02...	1014	80513	80020	29.0	152	34	7.30	20.0	8.3
02...	1016	80513	80020	30.0	152	34	7.20	20.0	8.1
02...	1018	80513	80020	32.0	152	33	7.10	18.5	7.2
02...	1020	80513	80020	35.0	152	34	7.00	17.5	7.3
02...	1022	80513	80020	38.0	152	35	6.90	16.5	7.2
02...	1024	80513	80020	40.0	152	34	6.80	15.5	7.7
02...	1026	80513	80020	43.0	152	34	6.80	14.5	7.4
02...	1028	80513	80020	50.0	152	35	6.70	13.0	7.8
02...	1030	80513	80020	55.0	152	35	6.70	12.0	7.9
02...	1032	80513	80020	60.0	152	34	6.70	11.5	8.8
02...	1034	80513	80020	70.0	152	35	6.70	10.5	9.0
02...	1036	80513	80020	80.0	152	34	6.60	10.0	9.2
02...	1038	80513	80020	90.0	152	35	6.60	9.0	9.2
02...	1040	80513	80020	100	152	35	6.60	8.5	9.0
02...	1042	80513	80020	110	152	36	6.60	8.5	8.7
02...	1044	80513	80020	120	152	36	6.60	8.0	8.4
02...	1046	80513	80020	130	152	36	6.60	8.0	8.1
02...	1048	80513	80020	140	152	36	6.50	8.0	8.0
02...	1050	80513	80020	150	152	37	6.50	7.5	7.9
02...	1052	80513	80020	152	152	37	6.50	7.5	7.4

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, ORTH. TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTH. 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								
02...	1000	758	4.8	--	--	--	--	--
02...	1001	758	--	<.10	<.010	<.010	.700	<.100

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL									
07...	0930	80513	80020	.00	153	35	6.60	30.0	7.5
07...	0931	80513	80020	3.00	153	35	6.80	30.0	7.4
07...	0934	80513	80020	10.0	153	36	6.90	30.0	7.4
07...	0936	80513	80020	20.0	153	35	6.90	29.0	7.8
07...	0938	80513	80020	21.0	153	35	7.00	28.0	8.3
07...	0940	80513	80020	23.0	153	36	7.10	27.0	9.0
07...	0942	80513	80020	24.0	153	35	7.30	26.0	9.5
07...	0944	80513	80020	26.0	153	36	7.70	24.5	9.9
07...	0946	80513	80020	28.0	153	35	7.70	22.0	9.8
07...	0948	80513	80020	30.0	153	35	7.50	22.0	9.6
07...	0950	80513	80020	32.0	153	35	7.30	19.5	8.7
07...	0952	80513	80020	34.0	153	35	7.10	18.5	8.2
07...	0954	80513	80020	38.0	153	35	6.90	17.0	7.9
07...	0956	80513	80020	40.0	153	35	6.80	16.5	7.8
07...	0958	80513	80020	45.0	153	36	6.80	15.0	7.7
07...	1000	80513	80020	50.0	153	36	6.70	13.5	7.5
07...	1002	80513	80020	55.0	153	36	6.60	12.5	7.6
07...	1004	80513	80020	60.0	153	35	6.60	12.0	7.9
07...	1006	80513	80020	70.0	153	36	6.60	11.0	8.3
07...	1008	80513	80020	80.0	153	36	6.50	10.0	8.4
07...	1010	80513	80020	90.0	153	36	6.60	9.5	8.4
07...	1012	80513	80020	100	153	36	6.50	9.0	8.4
07...	1014	80513	80020	110	153	37	6.50	8.5	8.0
07...	1016	80513	80020	120	153	37	6.50	8.5	7.6
07...	1018	80513	80020	130	153	37	6.40	8.0	7.2
07...	1020	80513	80020	140	153	37	6.40	8.0	6.9
07...	1022	80513	80020	150	153	37	6.40	8.0	6.7
07...	1025	80513	80020	153	153	39	6.40	8.0	6.6

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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								
07..	0930	764	5.4	--	--	--	--	--
07...	0931	764	--	<.10	<.010	<.050	.800	<.100
DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE) (00027)	AGENCY ANA-LYZING SAMPLE (CODE) (00028)	SAM-PLING DEPTH (FEET) (00003)	RESER-VOIR DEPTH (FEET) (72025)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD) (00400)	TEMPER-ATURE (DEG C) (00010)
AUG								
27...	0900	80513	80020	.00	149	39	7.20	29.0
27...	0901	80513	80020	3.00	149	39	7.30	29.0
27...	0902	80513	80020	10.0	149	39	7.30	29.0
27...	0904	80513	80020	20.0	149	39	7.40	28.5
27...	0905	80513	80020	25.0	149	39	7.30	27.5
27...	0906	80513	80020	29.0	149	38	7.10	26.5
27...	0908	80513	80020	30.0	149	39	7.10	26.0
27...	0910	80513	80020	32.0	149	39	7.10	24.5
27...	0912	80513	80020	33.0	149	38	7.00	23.0
27...	0914	80513	80020	35.0	149	38	6.90	22.0
27...	0916	80513	80020	37.0	149	38	6.80	20.5
27...	0918	80513	80020	39.0	149	38	6.60	19.0
27...	0920	80513	80020	40.0	149	38	6.60	18.5
27...	0922	80513	80020	42.0	149	38	6.50	17.5
27...	0924	80513	80020	45.0	149	39	6.50	16.5
27...	0926	80513	80020	50.0	149	38	6.40	14.5
27...	0928	80513	80020	55.0	149	40	6.40	13.5
27...	0930	80513	80020	60.0	149	40	6.40	12.5
27...	0932	80513	80020	65.0	149	40	6.50	12.0
27...	0934	80513	80020	70.0	149	40	6.50	11.5
27...	0936	80513	80020	80.0	149	40	6.50	10.5
27...	0938	80513	80020	90.0	149	40	6.50	10.0
27...	0940	80513	80020	100	149	41	6.50	9.5
27...	0942	80513	80020	110	149	41	6.50	9.0
27...	0944	80513	80020	120	149	41	6.50	8.5
27...	0946	80513	80020	130	149	42	6.50	8.5
27...	0948	80513	80020	140	149	42	6.40	8.0
27...	0950	80513	80020	149	149	42	6.40	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, UM-MF (COLS./100 ML) (31625)	COLOR (PLAT-INUM-COBALT) (00080)	TUR-BID-ITY (NTU) (00076)	OXYGEN DEMAND, BIO-CHEM-ICAL 5 DAY (MG/L) (00310)
AUG								
27..	0900	7.8	753	4.9	0	--	--	--
27...	0901	7.7	753	--	--	--	--	--
27...	0902	7.6	753	--	--	--	--	--
27...	0904	7.6	753	--	--	--	--	--
27...	0905	7.6	753	--	--	5	.20	.6
27...	0906	7.8	753	--	--	--	--	--
27...	0908	8.1	753	--	--	--	--	--
27...	0910	8.3	753	--	--	--	--	--
27...	0912	8.2	753	--	--	--	--	--
27...	0914	7.8	753	--	--	--	--	--
27...	0916	7.3	753	--	--	--	--	--
27...	0918	6.8	753	--	--	--	--	--
27...	0920	6.6	753	--	--	--	--	--
27...	0922	6.4	753	--	--	--	--	--
27...	0924	6.2	753	--	--	--	--	--
27...	0926	5.8	753	--	--	--	--	--
27...	0928	5.7	753	--	--	--	--	--
27...	0930	5.8	753	--	--	--	--	--
27...	0932	5.9	753	--	--	--	--	--
27...	0934	6.0	753	--	--	--	--	--
27...	0936	6.4	753	--	--	--	--	--
27...	0938	6.6	753	--	--	--	--	--
27...	0940	6.6	753	--	--	5	.40	.6
27...	0942	6.4	753	--	--	--	--	--
27...	0944	5.8	753	--	--	--	--	--
27...	0946	5.1	753	--	--	--	--	--
27...	0948	4.4	753	--	--	--	--	--
27...	0950	4.2	753	--	--	--	--	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		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)	
DATE	TIME								
AUG									
27...	0901	--	--	--	.020	<.010	6.60	.600	
27...	0905	12	27	<.10	.020	<.010	--	--	
27...	0940	18	28	.20	.010	<.010	--	--	
		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)
DATE	TIME								
SEP									
02...	1045	80513	80020	.00	147	32	7.30	26.0	8.1
02...	1046	80513	80020	3.00	147	32	7.30	26.0	7.8
02...	1048	80513	80020	10.0	147	32	7.30	26.5	7.8
02...	1050	80513	80020	20.0	147	32	7.30	26.5	7.7
02...	1052	80513	80020	30.0	147	32	7.20	25.0	8.4
02...	1054	80513	80020	32.0	147	32	7.00	24.0	8.3
02...	1056	80513	80020	35.0	147	32	6.90	22.5	7.6
02...	1058	80513	80020	37.0	147	31	6.70	20.0	6.9
02...	1100	80513	80020	39.0	147	32	6.60	19.0	6.5
02...	1102	80513	80020	40.0	147	31	6.50	18.5	6.3
02...	1104	80513	80020	42.0	147	32	6.40	17.5	6.0
02...	1106	80513	80020	45.0	147	32	6.40	16.5	5.7
02...	1108	80513	80020	47.0	147	32	6.40	15.5	5.6
02...	1110	80513	80020	50.0	147	32	6.40	15.0	5.5
02...	1112	80513	80020	55.0	147	32	6.40	13.5	5.4
02...	1114	80513	80020	60.0	147	33	6.40	13.0	5.6
02...	1116	80513	80020	70.0	147	33	6.40	11.5	5.9
02...	1118	80513	80020	80.0	147	33	6.40	10.5	6.2
02...	1120	80513	80020	90.0	147	33	6.50	10.0	6.5
02...	1122	80513	80020	100	147	34	6.50	9.5	6.6
02...	1124	80513	80020	110	147	33	6.50	9.0	6.3
02...	1126	80513	80020	120	147	35	6.50	8.5	5.4
02...	1128	80513	80020	130	147	35	6.40	8.0	4.7
02...	1130	80513	80020	140	147	34	6.40	8.0	4.4
02...	1132	80513	80020	147	147	35	6.40	8.0	4.1
		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)	
DATE	TIME								
SEP									
02...	1045	754	5.8	--	--	--	--	--	
02...	1046	754	--	<.10	<.010	<.010	1.50	.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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	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)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
OCT, 1985									
08...	0930	80513	80020	38	7.00	12.5	11.6	109	761
NOV									
04...	1020	80513	80020	40	6.20	11.0	5.8	53	763
DEC									
03...	0930	80513	80020	41	6.90	10.0	11.7	102	771
JAN, 1986									
06...	0915	80513	80020	43	6.60	7.5	10.0	83	763
FEB									
18...	0830	80513	80020	34	6.80	7.0	12.0	99	758
MAR									
03...	0845	80513	80020	33	7.00	7.0	11.6	96	762
APR									
07...	0900	80513	80020	33	6.80	8.5	10.6	91	762
MAY									
21...	0930	80513	80020	39	7.40	11.5	12.8	117	764
JUN									
02...	0930	80513	80020	37	7.10	14.5	12.3	121	762
JUL									
07...	0900	80513	80020	39	6.40	9.0	7.9	68	764
AUG									
27...	0830	80513	80020	48	6.40	10.5	11.4	103	756
SEP									
02...	1000	80513	80020	33	7.30	9.5	6.8	60	757
DATE	TIME	COLOR (PLAT- INUM- COBALT UNIT S) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	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)
DEC, 1985									
03...	0930	5	.80	1.6	7	13	.30	.050	.030
MAY, 1986									
21...	0930	5	1.5	2.2	11	16	.20	.030	.020
AUG, 1986									
27...	0830	5	.70	1.4	3	28	.30	.030	.020

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 mi².

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. 3-8, 30, Mar. 4-6, Mar. 22 to Apr. 15, July 26 to Aug. 10, Aug. 15 to Sept. 16, and Sept. 29-30. Records good except for estimated daily discharges, which are poor. 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 ft³/s Nov. 27, 1984; maximum gage-height, 35.92 ft Nov. 27, 1984; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,100 ft³/s Nov. 27; maximum gage height, 29.16 ft Nov. 27-28; no flow at times.

DISCHARGE, IN CUBIC FEET PER SECOND, OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2620	606	3660	3060	221	4270	2200	4460	982	1290	600	1300
2	2550	2630	5120	4180	133	2520	2300	3480	547	617	1300	2000
3	2190	1900	5420	0	118	2520	2300	3810	661	315	580	2600
4	1840	1500	505	0	366	2800	2100	3760	1290	489	300	700
5	2980	1000	835	2220	627	3100	2900	3740	2090	424	1250	300
6	988	900	1160	5110	1300	2700	2500	5860	2880	286	800	200
7	994	1300	2300	909	1290	3010	2900	6330	2850	313	1300	350
8	979	700	2340	7280	1310	3680	3300	6160	1210	632	1350	480
9	744	374	3630	5660	1430	3270	3900	6700	873	1040	560	190
10	432	122	3880	4110	1050	3280	4100	5720	857	476	300	180
11	156	78	9630	1780	2930	3280	4200	1130	1540	582	146	200
12	143	68	11200	13	1340	3000	4200	632	2460	517	538	300
13	171	66	5610	139	733	3800	4400	2970	1780	433	332	370
14	137	66	9650	192	419	4750	4800	2820	1700	451	351	400
15	148	900	4750	254	176	3600	5100	855	1310	412	2400	230
16	712	2430	2390	284	432	2270	5230	425	629	2000	1000	410
17	223	1130	1240	55	693	1410	5070	419	1450	1410	550	377
18	201	1660	2770	148	1080	1180	4940	522	1890	1040	3000	228
19	138	3740	7200	150	1680	3690	5170	31	1110	1490	4000	350
20	93	4710	5570	146	1960	5120	7310	430	1360	570	4200	1060
21	75	3530	4060	148	4260	5470	8000	354	1120	474	4000	463
22	1430	1800	3190	147	3510	5800	6420	213	1840	704	3700	216
23	462	800	0	816	1650	2800	4630	2910	993	1310	3000	729
24	1160	1370	1090	4430	2790	2400	4150	3400	2010	963	450	1400
25	1250	1210	10100	3400	3920	3000	3790	2980	2020	1110	1500	1130
26	902	1250	6260	657	3040	1100	3800	4120	2440	2900	2900	1820
27	1120	9860	3750	173	3690	540	3600	3280	1800	400	700	867
28	424	13500	53	826	3600	400	3740	3620	2130	310	80	477
29	518	2940	3510	860	---	800	3810	4010	557	290	600	450
30	406	2000	4380	510	---	300	4220	2540	312	350	3500	600
31	144	---	0	514	---	250	---	1870	---	300	1300	--
TOTAL	26330	64140	125253	48171	45748	86110	125080	89551	44691	23898	46587	20377
MEAN	849	2138	4040	1554	1634	2778	4169	2889	1490	771	1503	679
MAX	2980	13500	11200	7280	4260	5800	8000	6700	2880	2900	4200	2600
MIN	75	66	0	0	118	250	2100	31	312	286	80	180
AC-FT	52230	127200	248400	95550	90740	170800	248100	177600	88640	47400	92410	40420
CAL YR 1985 TOTAL	1375527			MEAN 3769	MAX 14400	MIN 0	AC-FT 2728000					
WTR YR 1986 TOTAL	745936			MEAN 2044	MAX 13500	MIN 0	AC-FT 1480000					

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985										
01...	1015	9827	9827	--	3730	7.19	14.0	--	12.0	3.3
29...	1045	9827	9827	--	1040	7.20	16.0	3.0	9.7	2.0
NOV										
26...	1025	9827	9827	--	1270	7.00	13.0	5.0	9.8	.9
JAN, 1986										
07...	1050	9827	9827	--	.00	7.08	4.0	5.0	12.4	1.4
FEB										
04...	1310	9827	9827	--	421	6.74	12.0	25	8.0	--
MAR										
04...	1045	9827	9827	2800	--	7.19	10.0	2.0	11.7	1.2
APR										
01...	1045	9827	9827	2200	--	7.06	17.0	4.0	10.5	2.2
MAY										
20...	1030	9827	9827	--	427	7.00	20.0	5.0	7.8	1.2
JUN										
03...	1330	9827	9827	--	475	6.95	22.0	4.0	9.1	1.6
JUL										
01...	1145	9827	9827	--	2060	--	20.0	5.5	9.1	1.1
AUG										
05...	1315	9827	9827	1250	--	7.25	21.0	4.5	9.1	.7
SEP										
02...	1430	9827	9827	2000	--	7.22	18.0	4.0	10.4	1.4

DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
01...	1015	60	18	4.0	4.0	108	10	.15	.050
29...	1045	1300	20	6.0	6.5	48	2	.17	.160
NOV									
26...	1025	240	18	--	3.5	30	3	.18	.040
JAN, 1986									
07...	1050	4	18	6.0	4.0	41	2	.49	--
FEB									
04...	1310	5700	20	11	6.5	44	35	.13	.510
MAR									
04...	1045	16	20	8.0	4.0	35	4	.10	.060
APR									
01...	1045	30	22	7.0	3.0	47	14	.03	.050
MAY									
20...	1030	44	20	7.0	3.0	46	6	.15	.210
JUN									
03...	1330	30	14	2.0	2.5	36	3	.14	.160
JUL									
01...	1145	24	18	--	2.5	17	11	.16	.090
AUG									
05...	1315	28	20	7.0	2.5	--	8	.17	.040
SEP									
02...	1430	--	16	--	2.0	36	6	.15	.050

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
01...	1015	.040	.020	<1	<1	<15	1	--	--
29...	1045	.150	.060	1	<1	22	1	--	20
NOV									
26...	1025	.060	.010	<1	<1	<15	2	--	20
JAN, 1986									
07...	1050	--	.060	1	2	<15	<1	<.10	--
FEB									
04...	1310	.360	.170	<1	<1	<15	5	--	<10
MAR									
04...	1045	.030	.030	<1	<1	<15	2	--	<10
APR									
01...	1045	.050	.030	<1	<1	<15	1	--	10
MAY									
20...	1030	.080	.090	<1	<1	<15	1	--	<10
JUN									
03...	1330	.110	--	<1	1	<15	1	--	<10
JUL									
01...	1145	.090	.050	<1	--	<15	5	--	10
AUG									
05...	1315	.040	.060	<1	--	<15	--	--	<10
SEP									
02...	1430	.020	.020	<1	<1	<15	--	--	<10

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, UM-MF (COLS./100 ML) (31616)	HARD-NESS (MG/L AS CaCO3) (00900)
OCT, 1985											
15...	1515	9827	9827	.00	8.10	19.0	10	9.1	--	--	140
NOV											
19...	1305	9827	9827	760	8.17	19.0	55	--	3.0	90	140
DEC											
16...	1450	9827	9827	--	7.34	6.0	55	10.8	2.0	210	32
JAN, 1986											
28...	1355	9827	9827	.00	7.82	5.0	15	10.9	5.2	130	140
FEB											
25...	1410	9827	9827	37	7.60	11.0	40	10.1	3.2	120	72
MAR											
25...	1250	9827	9827	--	7.25	21.0	65	8.8	5.1	280	62
APR											
22...	1423	9827	9827	--	7.29	16.0	65	7.0	2.2	160	54
MAY											
27...	1520	9827	9827	.00	7.24	25.0	45	4.0	2.6	360	46
JUN											
17...	1500	9827	9827	290	7.05	28.0	--	4.8	>4.8	70	32
JUL											
08...	1735	9827	9827	.00	7.45	36.0	--	3.5	--	40	140
AUG											
26...	1350	9827	9827	.00	7.54	30.0	10	3.3	2.3	830	150
SEP											
23...	1520	9827	9827	--	--	28.0	9.0	6.4	>6.4	240	170
DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM, TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT, 1985											
15...	1515	7.0	4.0	156	30	.40	<.010	.050	.030	<1	--
NOV											
19...	1305	8.0	5.0	--	194	.23	.020	--	.040	<1	3
DEC											
16...	1450	9.0	10	115	12	.30	.070	.230	.150	<1	--
JAN, 1986											
28...	1355	19	28	222	19	.01	.080	.420	.230	--	--
FEB											
25...	1410	21	21	170	20	.19	.070	.150	.080	<1	1
MAR											
25...	1250	13	14	154	--	.16	.060	.260	.120	3	3
APR											
22...	1423	11	11	185	40	.21	.140	.250	.160	<1	4
MAY											
27...	1520	10	11	133	24	.35	.120	.200	.140	<1	3
JUN											
17...	1500	10	5.0	--	--	--	.040	--	--	<1	3
JUL											
08...	1735	15	36	239	--	.12	.170	.260	.050	<1	--
AUG											
26...	1350	12	34	227	23	.09	.060	.160	.060	<1	<1
SEP											
23...	1520	12	--	272	--	.02	.010	.110	<.010	<1	<1

WHITE RIVER BASIN

07076950 WATTENSAW BAYOU NEAR HAZEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)
OCT, 1985											
15...	1515	<15	1	--	<10	--	--	--	--	--	--
NOV											
19...	1305	<15	3	--	<10	--	--	--	--	--	--
DEC											
16...	1450	<15	4	--	40	--	--	--	--	--	--
JAN, 1986											
28...	1355	<15	4	<.50	--	--	--	--	--	--	--
FEB											
25...	1410	<15	3	--	30	--	--	--	--	--	--
MAR											
25...	1250	28	--	--	210	<.002	<.01	<.01	<.002	<.01	<.01
APR											
22...	1423	<15	2	--	10	--	--	--	--	--	--
MAY											
27...	1520	<15	3	--	10	.002	<.01	--	.002	<.01	<.01
JUN											
17...	1500	<15	4	--	<10	--	--	--	--	--	--
JUL											
08...	1735	<15	--	--	30	<.002	<.01	--	<.002	<.01	<.01
AUG											
26...	1350	<15	1	--	<10	<.002	<.01	--	<.002	<.01	<.01
SEP											
23...	1520	<15	--	--	10	<.002	<.01	--	<.002	<.01	<.01

DATE	TIME	P,P' DDT, TOTAL (UG/L) (39300)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
MAR, 1986										
25...	1250	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
MAY, 1986										
27...	1520	.01	<.01	<.01	<.01	.002	.001	.001	<1	<.1
JUL, 1986										
08...	1735	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
AUG, 1986										
26...	1350	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
SEP, 1986										
23...	1520	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)
OCT, 1985											
15...	1608	9827	9827	--	7.57	21.0	15	6.0	--	--	120
NOV											
19...	1400	9827	9827	5680	7.34	19.0	3.0	--	1.6	160	110
DEC											
16...	1145	9827	9827	46800	7.87	7.0	35	10.8	1.5	120	100
JAN, 1986											
28...	1310	9827	9827	20500	8.06	3.0	25	12.0	.9	10	130
FEB											
25...	1320	9827	9827	25600	8.13	11.0	25	11.2	1.3	10	120
MAR											
25...	1440	9827	9827	30800	8.04	18.0	110	10.9	1.0	20	120
APR											
22...	1500	9827	9827	43900	7.92	14.0	20	10.1	1.8	200	110
MAY											
27...	1442	9827	9827	29300	7.92	21.0	30	8.5	1.4	900	110
JUN											
17...	1400	9827	9827	34000	7.66	27.0	--	7.2	3.1	60	110
JUL											
08...	1630	9827	9827	12500	8.15	22.0	--	9.4	--	>600	170
AUG											
26...	1440	9827	9827	13000	8.48	27.0	15	10.0	2.5	4	140
SEP											
23...	1700	9827	9827	12500	--	22.0	20	9.4	2.4	44	150
DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)
OCT, 1985											
15...	1608	10	45	225	33	.04	<.010	.140	.050	<1	--
NOV											
19...	1400	16	57	--	6	.06	.020	--	.090	<1	2
DEC											
16...	1145	6.0	6.0	129	32	.26	.030	.110	.060	<1	--
JAN, 1986											
28...	1310	10	4.5	143	29	.23	.090	.050	.020	--	--
FEB											
25...	1320	7.0	4.5	151	34	.24	.060	.040	.040	<1	<1
MAR											
25...	1440	9.0	5.0	151	--	.24	.050	.280	.050	<1	2
APR											
22...	1500	6.0	3.5	134	25	.15	.060	.070	.040	<1	2
MAY											
27...	1442	8.0	5.0	137	52	.28	.040	.070	.040	<1	2
JUN											
17...	1400	10	3.5	--	--	--	.020	--	--	<1	3
JUL											
08...	1630	15	4.0	189	--	.17	.020	.090	.020	<1	--
AUG											
26...	1440	7.0	5.0	150	28	.16	.020	.070	.010	<1	<1
SEP											
23...	1700	5.0	--	165	--	.27	<.010	.050	.010	<1	<1

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)
OCT, 1985										
15...	1608	<15	4	--	10	--	--	--	--	--
NOV										
19...	1400	<15	3	--	30	<.002	<.01	<.002	<.01	<.01
DEC										
16...	1145	<15	3	--	20	--	--	--	--	--
JAN, 1986										
28...	1310	<15	3	<.50	--	--	--	--	--	--
FEB										
25...	1320	<15	2	--	10	--	--	--	--	--
MAR										
25...	1440	<15	2	--	<10	--	--	--	--	--
APR										
22...	1500	<15	1	--	<10	--	--	--	--	--
MAY										
27...	1442	<15	1	--	<10	--	--	--	--	--
JUN										
17...	1400	<15	2	--	<10	--	--	--	--	--
JUL										
08...	1630	<15	--	--	<10	<.002	<.01	<.002	<.01	<.01
AUG										
26...	1440	<15	2	--	10	--	--	--	--	--
SEP										
23...	1700	<15	--	--	<10	--	--	--	--	--

DATE	TIME	P,P' DDT, TOTAL (UG/L) (39300)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
NOV, 1985										
19...	1400	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
JUL, 1986										
08...	1630	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.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 mi².

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.--Estimated daily discharges: Oct. 1-30, and Dec. 29 to Jan. 7. Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--22 years, 849 ft³/s, 16.45 in/yr, 615,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,940 ft³/s Jan. 6, 1966, gage height, 21.88 ft; no flow Nov. 6-11, 16, 17, 1982.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,750 ft³/s Nov. 29, gage height, 18.07 ft; minimum, 19 ft³/s Sept. 30, gage height, 4.51 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR MEAN VALUES OCTOBER 1985 TO SEPTEMBER 1986

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	190	1380	3610	125	76	122	43	744	136	129	180	99		
2	175	1570	3530	115	77	117	40	1440	113	165	251	96		
3	160	1290	3370	110	478	127	41	867	710	174	448	104		
4	150	826	3040	100	1280	51	38	318	822	160	454	106		
5	140	451	2460	90	2160	40	150	148	937	139	343	101		
6	130	281	1910	84	2350	54	821	101	1280	111	252	110		
7	120	199	1340	78	2330	63	672	80	1700	84	193	145		
8	120	192	845	68	2260	51	1240	58	2040	68	448	138		
9	130	192	587	78	2150	39	2320	40	2130	71	1190	103		
10	135	192	453	81	1810	36	2320	78	2180	84	1100	88		
11	140	193	1450	80	1460	49	2090	500	2090	94	724	78		
12	145	277	2630	74	1130	1620	1860	1220	1880	97	410	82		
13	150	782	2510	80	741	2810	1690	941	1620	115	240	80		
14	150	1160	1960	79	521	2750	1550	410	1440	159	177	80		
15	147	896	1170	85	1180	2440	1370	1270	1280	184	151	72		
16	130	1510	658	95	1460	2070	960	2660	1060	189	203	71		
17	150	1960	478	113	1420	1780	484	2730	778	164	311	69		
18	170	1730	423	148	1360	1500	278	2420	430	145	319	98		
19	200	1320	408	341	1160	1160	250	2000	233	130	334	475		
20	230	1530	408	459	859	631	1470	1480	148	125	279	324		
21	196	1600	405	318	536	287	2750	1010	99	130	216	176		
22	185	1150	317	229	344	149	2790	618	94	136	192	105		
23	180	729	222	183	250	100	2540	664	107	119	169	75		
24	170	447	246	160	197	74	2150	1570	106	113	145	60		
25	162	310	238	144	171	59	1820	2020	91	133	135	49		
26	155	348	209	131	147	50	1540	1530	73	157	122	39		
27	150	2810	181	119	134	51	1220	972	75	508	126	34		
28	140	3600	178	106	124	63	723	488	74	667	153	31		
29	180	3670	165	86	---	73	382	287	93	532	148	27		
30	250	3630	150	84	---	64	259	377	118	375	113	25		
31	544	---	135	83	---	51	---	223	---	254	111	---		
TOTAL	5374	36225	35686	4126	28165	18531	35861	29264	23937	5711	9637	3140		
MEAN	173	1208	1151	133	1006	598	1195	944	798	184	311	105		
MAX	544	3670	3610	459	2350	2810	2790	2730	2180	667	1190	475		
MIN	120	192	135	68	76	36	38	40	73	68	111	25		
CFSM	.25	1.72	1.64	.19	1.44	.85	1.70	1.35	1.14	.26	.44	.15		
IN.	.29	1.92	1.89	.22	1.49	.98	1.90	1.55	1.27	.30	.51	.17		
AC-FT	10660	71850	70780	8180	55870	36760	71130	58050	47480	11330	19110	6230		
CAL YR 1985	TOTAL	417042	MEAN	1143	MAX	4250	MIN	120	CFSM	1.63	IN.	22.13	AC-FT	827200
WTR YR 1986	TOTAL	235657	MEAN	646	MAX	3670	MIN	25	CFSM	.92	IN.	12.51	AC-FT	467400

WHITE RIVER BASIN

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 mi².

PERIOD OF RECORD.--October 1952 to May 1955, October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNIT S) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT, 1985											
02...	0815	80513	80010	402	8.10	14.0	6.0	58	761	K120	1200
DEC											
18...	0900	80513	80020	91	7.20	3.0	--	--	770	77	1300
FEB, 1986											
26...	0810	80513	80020	102	7.20	9.5	9.1	81	750	K56	--
APR											
16...	0930	80513	80020	70	7.30	16.0	7.0	71	760	320	1100
JUN											
11...	1030	80513	80020	107	7.50	25.0	5.7	70	753	620	K7800
AUG											
27...	1000	80513	80020	360	8.10	28.0	4.6	59	759	K54	330
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)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
OCT, 1985											
02...	0815	140	0	35	13	21	24	.8	3.8	173	9.8
DEC											
18...	0900	25	0	6.0	2.5	6.0	30	.5	3.9	25	10
FEB, 1986											
26...	0810	26	2	6.1	2.5	6.6	33	.6	3.2	24	15
APR											
16...	0930	19	0	4.5	1.9	4.4	30	.5	2.7	20	10
JUN											
11...	1030	31	0	7.6	3.0	5.8	27	.5	2.6	34	8.9
AUG											
27...	1000	140	0	36	13	19	22	.7	3.7	166	11
DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985											
02...	0815	15	.20	.12	.010	.13	.080	.110	.52	.60	.120
DEC											
18...	0900	5.8	<.10	.17	.010	.18	.140	.050	1.1	1.2	.230
FEB, 1986											
26...	0810	5.6	<.10	.38	.010	.39	.110	.050	1.2	1.3	.250
APR											
16...	0930	3.1	.10	.28	.010	.29	.180	.050	1.3	1.5	.290
JUN											
11...	1030	4.1	<.10	.67	.030	.70	.140	.050	1.1	1.2	.260
AUG											
27...	1000	11	.20	--	<.010	.13	.060	<.010	.84	.90	.170

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

[illegible]

WHITE RIVER BASIN

07077660 BAYOU DEVIEU 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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
15...	1620	9827	9827	.00	7.90	19.0	9.0	9.2	2.5
NOV									
19...	1600	9827	9827	2.6	7.85	18.0	50	9.1	3.2
DEC									
17...	1600	9827	9827	8.6	7.34	6.0	75	12.7	2.1
JAN, 1986									
21...	1530	9827	9827	--	7.58	14.0	130	11.2	--
FEB									
11...	1530	9827	9827	13	7.35	5.0	75	15.3	2.6
MAR									
11...	1500	9827	9827	2.1	8.98	14.0	10	17.2	4.4
APR									
08...	1530	9827	9827	183	7.07	19.0	350	8.3	1.5
MAY									
27...	1530	9827	9827	--	7.63	22.0	90	8.1	2.3
JUN									
10...	1530	9827	9827	85	7.25	26.0	160	7.6	4.7
JUL									
29...	0745	9827	9827	2.6	7.75	28.0	75	4.9	3.1
AUG									
12...	0830	9827	9827	6.0	--	23.0	--	7.5	3.1
SEP									
09...	0730	9827	9827	1.2	7.63	20.0	100	6.8	2.2
DATE	TIME	COLI-FORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CaCO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
15...	1620	130	92	35	54	--	12	3.6	.010
NOV									
19...	1600	120	74	20	--	204	--	1.8	.010
DEC									
17...	1600	100	44	14	11	153	20	1.2	.080
JAN, 1986									
21...	1530	720	56	21	15	240	75	--	.190
FEB									
11...	1530	<4	40	--	9.5	153	32	--	.150
MAR									
11...	1500	16	92	26	35	232	17	--	.010
APR									
08...	1530	18000	28	--	6.0	201	394	.47	.230
MAY									
27...	1530	330	38	--	6.5	167	--	--	.190
JUN									
10...	1530	1900	32	19	5.0	--	--	.41	.160
JUL									
29...	0745	>600	100	13	17	230	65	.68	.410
AUG									
12...	0830	>600	54	19	17	212	61	1.3	.120
SEP									
09...	0730	20	92	28	33	296	100	--	.120

07077660 BAYOU DEVIEW NEAR GIBSON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
15...	1620	5.30	5.30	<1	2	<15	15	--	30
NOV									
19...	1600	2.70	2.60	<1	<1	<15	5	--	--
DEC									
17...	1600	.800	.730	<1	--	<15	6	--	40
JAN, 1986									
21...	1530	1.10	.830	<1	5	28	4	<.50	20
FEB									
11...	1530	.460	.330	<1	2	<15	4	--	10
MAR									
11...	1500	2.65	--	<1	2	<15	2	--	10
APR									
08...	1530	.620	--	<1	18	32	14	--	40
MAY									
27...	1530	--	.430	<1	3	23	7	--	20
JUN									
10...	1530	.590	.310	<1	9	<15	9	--	--
JUL									
29...	0745	1.30	.990	<1	4	22	--	--	30
AUG									
12...	0830	1.60	1.60	<1	7	<15	3	--	--
SEP									
09...	0730	--	2.20	<1	10	<15	8	--	20

07077700 BAYOU DEVIEU 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 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	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)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT, 1985											
02...	0745	80513	80010	415	8.20	16.0	7.1	72	761	K33	K130
DEC											
17...	1500	80513	80020	105	7.00	3.5	--	--	762	270	2000
FEB, 1986											
26...	0745	80513	80020	154	7.30	10.0	9.1	82	750	K56	--
APR											
16...	0830	80513	80020	99	7.50	17.0	3.8	39	760	280	1300
JUN											
11...	0900	80513	80020	158	7.60	26.0	4.3	54	753	630	4000
AUG											
27...	0845	80513	80020	390	8.20	27.5	4.5	57	758	K69	K94
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)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
OCT, 1985											
02...	0745	150	0	40	13	19	21	.7	4.7	163	19
DEC											
17...	1500	32	4	8.0	3.0	6.0	25	.5	4.7	29	13
FEB, 1986											
26...	0745	45	3	11	4.2	9.5	29	.6	3.8	42	15
APR											
16...	0830	30	0	7.5	2.7	5.3	25	.4	3.1	30	10
JUN											
11...	0900	51	1	13	4.5	7.2	22	.5	3.7	50	14
AUG											
27...	0845	170	0	43	14	20	20	.7	3.7	177	16
DATE	TIME	CHLO- RIDE DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985											
02...	0745	19	.20	--	<.010	<.10	<.010	<.010	--	.70	.090
DEC											
17...	1500	6.3	<.10	.17	.010	.18	.110	.070	1.1	1.2	.220
FEB, 1986											
26...	0745	8.0	.10	.40	.020	.42	.120	.070	1.2	1.3	.310
APR											
16...	0830	3.7	.10	.24	.020	.26	.220	.180	1.4	1.6	.330
JUN											
11...	0900	5.6	.10	.53	.090	.62	.190	.150	1.5	1.7	.370
AUG											
27...	0845	16	.20	--	<.010	<.10	.050	<.010	1.1	1.1	.220

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

[illegible]

WHITE RIVER BASIN

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	METRIC PRES- SURE (MM OF HG) (00025)
OCT, 1985											
30...	0900	80513	80010	13600	295	8.40	18.5	9.5	9.1	98	753
JAN, 1986											
29...	1100	80513	80020	22300	254	8.10	4.0	19	11.3	86	760
APR											
14...	1100	80513	80020	42000	172	7.90	14.0	60	8.4	82	755
JUL											
01...	1130	80513	80020	24400	276	8.20	23.0	35	7.7	90	758
		COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS, NONCAR- BONATE (MG/L CAC03) (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)
OCT, 1985											
30...	0900	K17	66	150	0	35	15	3.1	4	.1	1.5
JAN, 1986											
29...	1100	13	19	130	11	32	13	2.7	4	.1	1.4
APR											
14...	1100	100	250	80	3	21	6.7	1.9	5	.0	1.6
JUL											
01...	1130	37	87	140	3	32	14	2.6	4	.0	1.5
		ALKA- LINITY FIELD (MG/L AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
OCT, 1985											
30...	0900	147	5.0	4.6	<.10	6.5	162	170	.22	.14	.020
JAN, 1986											
29...	1100	122	9.0	3.6	<.10	5.4	140	150	.19	1.2	.010
APR											
14...	1100	77	9.2	2.6	<.10	6.4	99	96	.13	--	<.010
JUL											
01...	1130	133	6.5	3.8	<.10	6.3	148	150	.20	--	<.010

07077800 WHITE RIVER AT CLARENDON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO 1986

DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)
OCT, 1985											
30...	0900	.16	.050	<.010	.15	.20	.030	.010	<.010	<10	<1
JAN, 1986											
29...	1100	1.2	.040	.210	.36	.40	.050	.020	.020	40	<1
APR											
14...	1100	.26	.040	.070	.56	.60	.110	.030	.020	110	<1
JUL											
01...	1130	.27	.030	.020	.57	.60	.090	.020	.020	--	--
DATE	TIME	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	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)
OCT, 1985											
30...	0900	39	<.5	<1	<1	<3	3	11	4	<4	14
JAN, 1986											
29...	1100	43	<.5	3	9	<3	5	89	11	<4	18
APR											
14...	1100	31	<.5	<1	<10	<3	3	120	3	<4	4
DATE	TIME	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	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- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT, 1985											
30...	0900	<.1	<10	1	<1	<1	40	9	35	1290	93
JAN, 1986											
29...	1100	.6	<10	<1	<1	<1	38	87	40	2410	88
APR											
14...	1100	<.1	<10	2	<1	<1	30	46	125	14200	72
JUL											
01...	1130	--	--	--	--	--	--	--	92	6060	92

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, UM-MF (COLS./100 ML) (31616)	HARD-NESS (MG/L AS CAC03) (00900)	SULFATE DIS-SOLVED (MG/L AS S04) (00945)
OCT, 1985											
01...	1418	9827	9827	8.16	19.0	25	9.5	1.6	10	130	8.0
29...	1330	9827	9827	8.22	20.0	25	9.3	1.7	20	150	7.0
NOV											
26...	1345	9827	9827	7.89	15.0	110	8.8	.9	60	120	9.0
JAN, 1986											
07...	1028	9827	9827	7.92	6.0	25	11.0	1.6	16	130	7.0
FEB											
04...	1030	9827	9827	8.00	10.0	25	11.6	1.4	56	140	11
MAR											
04...	1002	9827	9827	8.08	10.0	25	11.0	1.3	10	120	9.0
APR											
01...	1013	9827	9827	7.75	17.0	25	9.3	1.0	4	120	--
MAY											
06...	1034	9827	9827	7.71	20.0	25	7.8	1.5	32	58	--
JUN											
03...	1043	9827	9827	7.74	23.0	60	7.3	1.4	20	110	6.0
JUL											
01...	1021	9827	9827	7.98	27.0	50	7.2	1.0	90	130	10
AUG											
05...	1008	9827	9827	8.10	25.0	35	--	.7	110	130	11
SEP											
09...	0852	9827	9827	--	24.0	25	7.7	1.2	4	150	11
30...	0827	9827	9827	8.35	25.0	40	8.3	1.2	8	140	9.0
DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT, 1985											
01...	1418	6.0	159	39	.54	--	.040	.050	4	<1	<1
29...	1330	5.5	178	--	.17	<.010	.070	.040	--	<1	<1
NOV											
26...	1345	4.0	141	143	.26	.030	.180	.060	--	<1	3
JAN, 1986											
07...	1028	3.0	151	27	.22	.030	.080	.050	1	--	1
FEB											
04...	1030	3.5	150	52	.23	.060	--	--	--	<1	<1
MAR											
04...	1002	4.5	135	42	.17	.050	.080	.080	--	<1	1
APR											
01...	1013	3.5	174	57	.15	.050	.130	.060	9	<1	4
MAY											
06...	1034	3.0	125	27	.12	.020	.080	.040	--	<1	<1
JUN											
03...	1043	4.0	147	92	.30	.060	.150	.070	--	<1	2
JUL											
01...	1021	--	130	103	.24	.020	.150	--	4	<1	2
AUG											
05...	1008	4.0	132	105	.39	.020	.090	.040	--	<1	1
SEP											
09...	0852	4.5	161	72	.01	.030	.070	.010	--	<1	<1
30...	0827	--	168	50	.27	.010	.060	.030	--	<1	9

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)
OCT, 1985											
01...	1418	<15	2	--	<1	10	--	--	--	--	--
29...	1330	<15	1	--	--	<10	<.002	<.01	--	<.002	<.01
NOV											
26...	1345	<15	<1	--	--	--	--	--	--	--	--
JAN, 1986											
07...	1028	<15	2	.10	<1	--	<.002	<.01	<.01	<.002	<.01
FEB											
04...	1030	<15	2	--	--	10	--	--	--	--	--
MAR											
04...	1002	<15	4	--	--	20	--	--	--	--	--
APR											
01...	1013	<15	2	--	<1	30	<.002	<.01	--	<.002	<.01
MAY											
06...	1034	18	2	--	--	--	--	--	--	--	--
JUN											
03...	1043	--	5	--	--	20	--	--	--	--	--
JUL											
01...	1021	<15	3	--	<1	--	<.002	<.01	--	<.002	<.01
AUG											
05...	1008	<15	1	--	--	10	--	--	--	--	--
SEP											
09...	0852	<15	3	--	--	20	--	--	--	--	--
30...	0827	<15	2	--	--	10	--	--	--	--	--
DATE	TIME	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
OCT, 1985											
29...	1330	<.01	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
JAN, 1986											
07...	1028	<.01	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
APR											
01...	1013	<.01	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
JUL											
01...	1021	<.01	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1

WHITE RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, UM-MF (COLS./100 ML) (31616)	HARD-NESS (MG/L AS CaCO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
OCT, 1985											
01...	1510	9827	9827	7.09	19.0	15	8.0	4.2	430	70	5.0
29...	1447	9827	9827	6.78	18.0	5.0	1.5	3.8	20	74	8.0
NOV											
26...	1500	9827	9827	6.93	20.0	40	.2	4.0	10	110	13
JAN, 1986											
07...	0908	9827	9827	7.04	3.0	20	7.2	1.1	64	34	8.0
FEB											
04...	0902	9827	9827	6.87	15.0	20	6.3	2.2	1100	30	11
MAR											
04...	0845	9827	9827	6.97	8.0	7.0	4.8	1.2	120	34	10
APR											
01...	0910	9827	9827	6.93	17.0	4.0	2.5	3.1	4	56	--
MAY											
06...	0920	9827	9827	7.02	20.0	3.0	.5	3.5	4	44	--
JUN											
03...	0925	9827	9827	6.92	22.0	15	<.5	5.9	50	58	3.0
JUL											
01...	0910	9827	9827	7.45	26.0	3.0	.8	5.1	40	100	10
AUG											
05...	0905	9827	9827	7.10	23.0	2.0	--	1.7	60	120	12
SEP											
09...	1003	9827	9827	--	21.0	2.8	2.7	.8	64	120	10
30...	0801	9827	9827	7.06	24.0	360	.1	>33	80	110	7.0

DATE	TIME	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
OCT, 1985										
01...	1510	5.5	130	16	.05	.070	.230	.100	<1	<1
29...	1447	5.5	127	--	<.01	<.010	.140	.080	<1	<1
NOV										
26...	1500	12	148	10	.02	.010	.340	.180	<1	<1
JAN, 1986										
07...	0908	5.0	77	4	.02	.040	.170	.110	--	<1
FEB										
04...	0902	4.0	53	13	.23	.090	.150	.110	<1	<1
MAR										
04...	0845	5.0	78	2	.01	.060	.150	.080	<1	<1
APR										
01...	0910	4.5	117	16	.01	.040	.180	.100	<1	1
MAY										
06...	0920	2.5	88	11	.02	.160	.250	.150	.3	<1
JUN										
03...	0925	3.5	104	19	.03	.360	.490	.170	<1	<1
JUL										
01...	0910	--	67	37	.04	.510	.480	--	<1	<1
AUG										
05...	0905	9.0	163	2	.05	.100	.080	.050	<1	<1
SEP										
09...	1003	9.5	178	8	.02	.080	.080	.040	<1	6
30...	0801	--	201	542	.01	3.70	3.40	.140	<1	<1

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)
OCT, 1985										
01...	1510	<15	1	--	10	--	--	--	--	--
29...	1447	<15	2	--	10	--	--	--	--	--
NOV										
26...	1500	<15	2	--	--	<.002	<.01	<.002	<.01	<.01
JAN, 1986										
07...	0908	17	1	<.10	--	--	--	--	--	--
FEB										
04...	0902	<15	2	--	10	<.002	<.01	<.002	<.01	<.01
MAR										
04...	0845	<15	1	--	10	--	--	--	--	--
APR										
01...	0910	<15	1	--	20	--	--	--	--	--
MAY										
06...	0920	17	1	--	--	<.002	<.01	<.002	<.01	<.01
JUN										
03...	0925	--	10	--	<10	--	--	--	--	--
JUL										
01...	0910	<15	2	--	--	--	--	--	--	--
AUG										
05...	0905	<15	3	--	10	<.002	<.01	<.002	<.01	<.01
SEP										
09...	1003	<15	<1	--	10	--	--	--	--	--
30...	0801	<15	1	--	10	<.002	<.01	<.002	<.01	<.01
DATE	TIME	P,P' DDT, TOTAL (UG/L) (39300)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
NOV, 1985										
26...	1500	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
FEB, 1986										
04...	0902	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
MAY, 1986										
06...	0920	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
AUG, 1986										
05...	0905	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
SEP, 1986										
30...	0801	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1

WHITE RIVER BASIN

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 mi², 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: Oct. 1-16. Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--16 years, 618 ft³/s, 447,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,910 ft³/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 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,220 ft³/s Apr. 11, gage height, 27.55 ft; no flow at times.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	169	399	58	74	95	99	38	12	35	14	39
2	.00	191	601	51	66	78	63	29	11	32	14	36
3	.00	134	587	41	58	65	46	42	11	33	21	33
4	.00	100	544	34	188	55	35	103	72	21	28	30
5	.00	122	530	27	367	47	184	142	126	18	34	29
6	.00	154	526	20	454	40	756	154	285	17	23	39
7	.00	173	521	16	564	32	1040	151	273	17	18	58
8	.00	178	514	9.7	497	26	1330	133	241	16	18	51
9	.00	171	501	9.3	466	19	1850	103	299	16	18	38
10	.00	151	482	13	488	14	2130	69	513	16	18	29
11	.00	123	546	14	520	14	2200	55	791	16	17	20
12	.00	90	792	13	550	130	2090	60	934	16	22	15
13	.00	61	884	11	577	279	1940	51	915	16	45	13
14	.00	39	914	9.3	599	184	1760	41	912	15	53	11
15	.00	22	919	10	623	143	1570	50	931	15	57	9.0
16	.00	7.0	901	32	620	152	1370	79	948	15	67	7.6
17	.00	30	884	46	598	172	1210	116	952	15	80	6.3
18	.00	236	862	45	564	199	1070	143	936	15	92	6.1
19	29	181	828	40	518	231	959	160	908	14	101	6.1
20	70	71	787	33	461	269	929	156	868	14	101	5.5
21	60	32	741	29	396	301	882	147	821	14	99	4.6
22	28	18	688	42	328	332	756	138	766	14	92	4.8
23	12	9.2	629	53	257	356	625	125	705	14	85	3.5
24	2.9	6.2	559	69	200	370	501	109	633	14	81	3.3
25	32	4.5	479	93	166	374	382	87	556	14	80	3.2
26	90	4.3	396	112	146	368	261	126	468	14	80	3.4
27	104	55	308	114	130	346	165	125	366	14	78	3.3
28	105	281	207	106	114	309	105	52	253	14	69	3.5
29	95	315	121	99	---	262	69	16	143	14	59	3.5
30	77	280	71	92	---	207	48	13	68	14	50	3.6
31	80	---	54	84	---	152	---	12	---	14	44	---
TOTAL	784.90	3408.2	17775	1425.3	10589	5621	26425	2825	15717	526	1658	518.3
MEAN	25.3	114	573	46.0	378	181	881	91.1	524	17.0	53.5	17.3
MAX	105	315	919	114	623	374	2200	160	952	35	101	58
MIN	.00	4.3	54	9.3	58	14	35	12	11	14	14	3.2
AC-FT	1560	6760	35260	2830	21000	11150	52410	5600	31170	1040	3290	1030
CAL YR 1985	TOTAL	193551.50	MEAN	530	MAX	3400	MIN	.00	AC-FT	383900		
WTR YR 1986	TOTAL	87272.70	MEAN	239	MAX	2200	MIN	.00	AC-FT	173100		

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CAC03) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
OCT, 1985											
01...	1440	9827	9827	7.76	17.0	30	8.9	--	350	94	4.0
29...	1410	9827	9827	6.87	20.0	10	.9	12	100	98	60
NOV											
26...	1420	9827	9827	6.88	20.0	8.0	.0	7.8	1600	56	15
JAN, 1986											
07...	0953	9827	9827	6.55	4.0	8.0	3.3	2.1	<4	26	10
FEB											
04...	0952	9827	9827	6.89	16.0	3.0	6.2	1.9	290	38	11
MAR											
04...	0935	9827	9827	6.80	10.0	7.0	4.8	1.6	<4	28	10
APR											
01...	0950	9827	9827	6.81	19.0	20	3.5	4.3	20	38	--
MAY											
06...	1006	9827	9827	7.06	21.0	9.0	4.1	3.9	240	58	--
JUN											
03...	1013	9827	9827	7.00	25.0	25	1.1	>6.6	140	48	5.0
JUL											
01...	0953	9827	9827	6.75	27.0	8.0	.5	4.7	80	44	13
AUG											
05...	0945	9827	9827	6.83	25.0	50	--	>7.9	250	42	13
SEP											
09...	0925	9827	9827	--	22.0	170	.2	>34	120	60	12
30...	0728	9827	9827	7.83	24.0	8.0	.2	--	200	150	4.0

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)
OCT, 1985											
01...	1440	7.5	163	57	.22	.180	.360	--	--	<1	<1
29...	1410	9.0	226	--	.01	.170	.470	.180	11	<1	<1
NOV											
26...	1420	8.0	104	20	.03	.010	.520	.130	--	<1	<1
JAN, 1986											
07...	0953	6.0	76	14	.02	.050	.160	.090	3	--	<1
FEB											
04...	0952	6.0	34	4	.06	.090	.130	.100	--	<1	<1
MAR											
04...	0935	5.5	75	12	<.01	.050	.150	.070	--	<1	<1
APR											
01...	0950	5.0	108	36	.01	.040	.200	.090	7	<1	2
MAY											
06...	1006	4.5	109	12	.02	.030	.300	.180	--	2	<1
JUN											
03...	1013	6.3	121	38	.05	.160	.500	.220	--	<1	2
JUL											
01...	0953	--	44	18	.01	<.010	.300	--	3	<1	1
AUG											
05...	0945	4.5	75	107	.11	1.20	.660	.070	--	<1	<1
SEP											
09...	0925	7.0	136	382	.03	2.80	1.40	.070	--	<1	<1
30...	0728	--	225	11	<.01	.040	3.10	.040	--	<1	<1

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)
OCT, 1985											
01...	1440	<15	4	--	--	20	--	--	--	--	--
29...	1410	<15	3	--	<1	10	--	--	--	--	--
NOV											
26...	1420	<15	--	--	--	--	<.002	<.01	--	<.002	<.01
JAN, 1986											
07...	0953	<15	3	.10	<1	--	<.002	<.01	<.01	<.002	<.01
FEB											
04...	0952	<15	2	--	--	10	--	--	--	--	--
MAR											
04...	0935	<15	3	--	--	20	--	--	--	--	--
APR											
01...	0950	<15	4	--	<1	30	<.002	<.01	--	<.002	<.01
MAY											
06...	1006	17	3	--	--	--	--	--	--	--	--
JUN											
03...	1013	--	7	--	--	10	--	--	--	--	--
JUL											
01...	0953	<15	3	--	<1	--	<.002	<.01	--	<.002	<.01
AUG											
05...	0945	<15	9	--	--	10	--	--	--	--	--
SEP											
09...	0925	<15	20	--	--	40	<.002	<.01	--	<.002	<.01
30...	0728	<15	25	--	--	40	<.002	<.01	--	<.002	<.01
DATE	TIME	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
NOV, 1985											
26...	1420	<.01	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
JAN, 1986											
07...	0953	<.01	<.01	<.01	<.01	<.01	--	--	--	--	--
APR											
01...	0950	<.01	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
JUL											
01...	0953	<.01	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
SEP											
30...	0728	<.01	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985									
22...	1058	9827	9827	7.49	17.0	3.6	5.0	--	--
NOV									
12...	1053	9827	9827	7.63	17.0	3.0	4.5	--	>600
DEC									
10...	0911	9827	9827	7.66	10.0	65	9.6	5.2	>6000
JAN, 1986									
28...	1046	9827	9827	7.58	6.0	3.0	11.0	1.5	20
FEB									
25...	1051	9827	9827	7.76	--	3.0	10.3	2.1	4
MAR									
25...	1117	9827	9827	7.60	9.0	3.0	10.0	.9	52
APR									
22...	1035	9827	9827	7.59	13.5	2.0	9.3	.3	250
MAY									
27...	1221	9827	9827	7.56	17.0	1.5	7.6	2.4	690
JUN									
24...	1045	9827	9827	7.46	22.0	3.0	9.9	3.5	180
JUL									
29...	1027	9827	9827	7.30	24.0	1.8	6.4	.7	470
AUG									
12...	1013	9827	9827	7.92	22.0	3.0	--	2.4	260
SEP									
23...	1238	9827	9827	7.39	23.0	1.5	6.2	--	490
DATE	TIME	HARD- NESS (MG/L AS CaCO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985									
22...	1058	160	30	27	289	8	1.6	4.80	--
NOV									
12...	1053	160	23	30	301	9	.64	6.20	6.70
DEC									
10...	0911	110	14	12	192	62	4.4	.120	1.55
JAN, 1986									
28...	1046	150	35	6.0	303	9	8.9	.090	11.8
FEB									
25...	1051	150	24	27	275	14	7.5	.090	7.10
MAR									
25...	1117	150	26	28	282	12	8.9	.070	8.10
APR									
22...	1035	150	18	15	248	6	6.6	.070	3.80
MAY									
27...	1221	150	23	20	248	3	6.0	.020	7.70
JUN									
24...	1045	150	--	--	293	6	12	.060	8.10
JUL									
29...	1027	160	47	42	386	3	20	.060	14.5
AUG									
12...	1013	150	42	39	368	10	14	.050	11.3
SEP									
23...	1238	150	31	23	288	3	7.1	.030	11.8

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	PHOS- PHORUS, 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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985								
22...	1058	5.10	<1	--	<15	2	--	80
NOV								
12...	1053	6.20	2	<1	<15	3	--	80
DEC								
10...	0911	1.40	<1	2	--	20	--	170
JAN, 1986								
28...	1046	11.2	1	2	<15	12	<.50	10
FEB								
25...	1051	7.00	1	3	<15	12	--	40
MAR								
25...	1117	7.90	<1	2	<15	<1	--	30
APR								
22...	1035	3.80	<1	1	<15	1	--	20
MAY								
27...	1221	--	<1	2	29	2	--	20
JUN								
24...	1045	6.00	1	2	24	11	--	70
JUL								
29...	1027	13.0	1	1	20	12	--	90
AUG								
12...	1013	10.8	<1	45	18	2	--	50
SEP								
23...	1238	10.4	<1	<1	<15	2	--	<10

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 mi², 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 1985 TO SEPTEMBER 1986

		AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985										
22...	1008	9827	9827	30	7.94	17.0	1.6	8.0	160	--
NOV										
12...	1003	9827	9827	16	8.13	15.0	1.0	10.0	--	2.9
DEC										
10...	0822	9827	9827	--	7.98	10.0	20	10.6	--	4.2
JAN, 1986										
28...	0955	9827	9827	--	8.12	3.0	2.0	13.5	--	.4
FEB										
25...	1000	9827	9827	34	8.17	--	1.0	12.8	--	.6
MAR										
25...	1022	9827	9827	15	8.20	9.0	1.0	12.3	--	.8
APR										
22...	0949	9827	9827	36	8.05	12.0	2.0	11.3	--	.4
MAY										
27...	1123	9827	9827	26	8.03	16.5	1.5	9.3	--	.4
JUN										
24...	0959	9827	9827	10	8.02	23.0	2.5	9.8	--	3.1
JUL										
29...	0935	9827	9827	5.0	7.95	26.0	.60	5.5	--	.2
AUG										
12...	0928	9827	9827	5.0	8.39	22.0	2.8	6.7	--	1.2
SEP										
23...	1156	9827	9827	15	7.84	23.5	1.5	7.5	--	.2
		COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	
OCT, 1985										
22...	1008	--	160	13	8.5	210	2	2.5	.040	
NOV										
12...	1003	840	160	11	7.5	196	<1	1.4	<.010	
DEC										
10...	0822	1200	120	9.0	5.0	145	15	1.2	.070	
JAN, 1986										
28...	0955	8	140	11	8.0	168	6	1.8	.050	
FEB										
25...	1000	4	140	11	6.0	169	4	1.3	.040	
MAR										
25...	1022	8	140	11	6.0	161	6	.91	.020	
APR										
22...	0949	60	150	9.0	4.5	172	2	1.2	.060	
MAY										
27...	1123	190	150	11	4.5	174	4	.86	<.010	
JUN										
24...	0959	120	150	--	--	186	6	1.0	.060	
JUL										
29...	0935	160	150	5.0	8.0	182	<1	.90	.040	
AUG										
12...	0928	76	160	5.0	8.5	194	2	1.1	.030	
SEP										
23...	1156	80	160	9.0	6.5	202	1	1.1	.020	

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
22...	1008	--	.220	<1	--	<15	1	--	60
NOV									
12...	1003	.060	.030	<1	1	<15	1	--	70
DEC									
10...	0822	.110	.090	<1	1	--	9	--	160
JAN, 1986									
28...	0955	.020	.030	1	3	<15	18	<.50	20
FEB									
25...	1000	.030	--	1	7	<15	14	--	10
MAR									
25...	1022	.040	.010	<1	1	<15	<1	--	<10
APR									
22...	0949	.010	.010	<1	1	<15	1	--	<10
MAY									
27...	1123	.030	--	2	2	--	4	--	60
JUN									
24...	0959	.110	.070	1	1	27	18	--	30
JUL									
29...	0935	.040	.030	<1	1	<15	2	--	<10
AUG									
12...	0928	.020	.020	<1	<1	<15	<1	--	<10
SEP									
23...	1156	.020	.020	<1	<1	<15	<1	--	<10

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 mi², 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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT, 1985											
22...	0919	9827	9827	128	297	7.77	17.0	1.5	8.5	3	.2
NOV											
12...	0916	9827	9827	48	302	7.93	16.0	2.0	8.5	7	.7
DEC											
10...	0737	9827	9827	279	238	7.83	12.0	3.0	9.7	3	2.6
JAN, 1986											
28...	0908	9827	9827	54	283	7.95	7.0	2.0	11.2	5	.5
FEB											
25...	0922	9827	9827	88	260	8.02	--	1.0	11.1	4	.6
MAR											
25...	0931	9827	9827	75	260	8.09	9.0	2.0	12.3	4	.8
APR											
22...	0911	9827	9827	181	230	7.75	12.0	2.0	9.9	4	.3
MAY											
27...	1046	9827	9827	148	251	7.87	16.0	2.0	9.4	2	.4
JUN											
24...	0924	9827	9827	67	286	7.89	20.0	2.0	9.0	7	2.8
JUL											
29...	0856	9827	9827	31	297	7.90	22.0	.80	7.2	3	.7
AUG											
12...	0855	9827	9827	47	303	8.38	20.0	1.0	8.0	3	3.4
SEP											
23...	1035	9827	9827	55	297	7.95	21.0	1.5	8.2	3	--
DATE	TIME	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD-NESS (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT, 1985											
22...	0919	16	130	9.0	11	189	6	3.2	.040	.26	.30
NOV											
12...	0916	8	130	8.0	12	181	<1	2.7	<.010	--	--
DEC											
10...	0737	500	100	5.0	7.0	131	2	2.9	.050	.15	.20
JAN, 1986											
28...	0908	150	140	9.0	10	157	2	2.7	.040	--	--
FEB											
25...	0922	24	110	9.0	10	150	4	2.6	.030	.27	.30
MAR											
25...	0931	60	120	8.0	11	159	6	2.2	.030	.57	.60
APR											
22...	0911	52	110	6.0	6.5	146	2	2.6	.050	--	<.10
MAY											
27...	1046	23	110	10	10	145	2	1.8	.020	--	<.10
JUN											
24...	0924	32	120	--	--	181	2	2.5	.050	.05	.10
JUL											
29...	0856	20	140	2.0	11	174	1	2.3	.030	.17	.20
AUG											
12...	0855	24	140	9.0	13	206	2	4.1	.040	.16	.20
SEP											
23...	1035	<4	140	4.0	9.5	176	1	2.0	.020	.08	.10

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985										
22...	0919	3.5	--	.160	<1	--	<15	11	--	60
NOV										
12...	0916	--	.170	.150	<1	<1	<15	<1	--	70
DEC										
10...	0737	3.1	.080	.090	<1	<1	--	11	--	140
JAN, 1986										
28...	0908	--	.130	.130	1	2	<15	10	<.50	20
FEB										
25...	0922	2.9	.070	.060	1	5	<15	10	--	10
MAR										
25...	0931	2.8	.080	.060	<1	1	<15	<1	--	10
APR										
22...	0911	--	.070	.070	<1	1	<15	<1	--	<10
MAY										
27...	1046	--	.450	--	<1	2	18	1	--	<10
JUN										
24...	0924	2.6	.610	.500	1	1	24	17	--	20
JUL										
29...	0856	2.5	.120	.100	<1	<1	<15	1	--	<10
AUG										
12...	0855	4.3	--	1.60	<1	<1	<15	<1	--	<10
SEP										
23...	1035	2.1	.090	.100	1	1	<15	2	--	10

07194760 ILLINOIS RIVER NEAR VINEY GROVE, ARK.

LOCATION.--Lat 36°03'16", long 94°19'07", in SW 1/4 NW 1/4 sec.19, T.16 N., R.31 W., Washington County, Hydrologic Unit 11110103, on left bank at downstream side of county bridge, 0.3 mi downstream from Goose Creek, 1.5 mi upstream from Muddy Fork and 3.0 mi north of Viney Grove.

DRAINAGE AREA.--80.7 mi².

PERIOD OF RECORD.--October 1985 to September 1986 (discontinued).

GAGE.--Water-stage recorder.

REMARKS.--Estimated daily discharges: Oct. 24 to Nov. 17, Nov. 20, Nov. 27 to Dec. 18, and Sept. 30. Records good except for estimated daily discharges, which are fair.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,900 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 19	0100	*9,160	b*15.26	Sept. 30	unknown	unknown	unknown

b From floodmarks.

Minimum discharge, 6.2 ft³/s Aug. 29 - Sept. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.6	25	350	50	16	35	35	99	19	12	7.1	6.2
2	9.6	20	200	49	16	35	74	98	19	11	8.5	6.5
3	9.3	15	120	46	16	32	105	68	25	11	8.3	7.1
4	8.8	15	95	43	17	31	1200	55	21	10	7.6	6.9
5	8.7	15	80	40	18	30	404	46	19	9.9	7.6	6.6
6	8.6	10	70	39	367	29	227	42	23	9.6	67	6.6
7	8.4	10	60	38	278	28	167	40	55	9.3	40	6.6
8	8.4	10	60	35	197	27	893	36	102	9.0	26	6.6
9	8.1	9.5	55	33	165	26	265	32	135	8.7	55	6.6
10	8.1	9.0	500	32	125	27	171	31	66	8.7	195	6.6
11	8.4	8.0	720	31	100	28	136	31	71	8.9	54	97
12	8.9	9.0	300	31	90	640	106	29	57	8.9	31	46
13	8.9	10	240	31	80	203	98	27	44	9.3	22	21
14	109	15	180	30	93	137	126	28	36	9.1	16	13
15	99	300	180	28	101	105	116	337	33	8.7	14	414
16	41	200	160	28	117	93	94	119	28	8.7	14	245
17	25	180	140	28	109	81	82	100	25	8.7	13	254
18	256	2400	120	26	94	95	77	109	21	8.7	11	146
19	212	5300	107	27	82	117	100	80	21	8.5	9.2	71
20	85	850	103	27	73	88	586	57	19	8.0	8.1	48
21	57	382	98	26	63	73	251	44	17	7.6	7.5	32
22	44	201	95	23	58	66	153	37	17	7.8	7.1	26
23	35	144	88	20	54	61	103	33	15	8.6	7.3	22
24	30	127	80	20	50	56	84	29	14	8.1	7.1	18
25	25	414	70	19	46	52	69	33	14	7.9	6.9	15
26	20	212	63	18	43	48	58	39	14	7.6	6.4	13
27	20	170	61	18	42	45	58	30	12	7.6	6.6	13
28	15	130	58	17	39	43	103	27	12	7.6	7.2	13
29	20	100	54	17	---	41	76	25	13	7.3	6.6	101
30	20	85	53	17	---	38	61	22	12	7.1	6.2	4400
31	25	---	53	16	---	36	---	20	---	7.1	6.2	---
TOTAL	1251.8	11375.5	4613	903	2549	2446	6078	1803	979	271.0	689.5	6074.3
MEAN	40.4	379	149	29.1	91.0	78.9	203	58.2	32.6	8.74	22.2	202
MAX	256	5300	720	50	367	640	1200	337	135	12	195	4400
MIN	8.1	8.0	53	16	16	26	35	20	12	7.1	6.2	6.2
AC-FT	2480	22560	9150	1790	5060	4850	12060	3580	1940	538	1370	12050
WTR YR 1986	TOTAL	39033.1	MEAN	107	MAX	5300	MIN	6.2	AC-FT	77420		

ARKANSAS RIVER BASIN

07194800 ILLINOIS RIVER AT SAVOY, ARK.

LOCATION.--Lat 36°06'11", long 94°20'40", 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 State Highway 16 bridge, at Savoy.

DRAINAGE AREA.--167 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1979 to December 1981. October 1985 to September 1986 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 1,020.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Nov. 16-17, 19-21, and Dec. 16-19. Water-discharge records good except for estimated daily discharges, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,530 ft³/s Nov. 19, 1985, gage height, 18.42 ft, from floodmark, from rating curve extended above 1,250 ft³/s; minimum, 1.6 ft³/s Aug. 11, 1980, gage height, 1.98 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 19	unknown	*9,530	b*18.42	Sept. 30	2145	7,960	16.46
Apr. 8	0730	5,400	13.21				

b From floodmarks.

Minimum discharge, 9.3 ft³/s Aug. 1, gage height 2.10 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	37	945	86	31	68	52	311	61	29	9.3	12
2	17	32	449	83	31	65	114	254	66	29	11	12
3	16	26	326	77	32	62	206	181	147	27	11	13
4	15	21	274	72	37	59	2610	145	68	25	10	13
5	13	18	234	67	41	57	1360	122	59	25	9.6	13
6	13	16	204	65	918	54	791	109	166	23	337	13
7	13	15	182	61	662	52	457	97	607	22	95	13
8	11	13	163	56	452	49	2500	88	657	22	55	13
9	11	11	152	54	355	49	779	78	829	21	131	12
10	11	11	1460	52	270	50	461	71	378	20	475	12
11	13	10	2010	50	222	55	333	75	327	20	198	159
12	13	11	871	49	190	1280	263	68	214	22	105	145
13	13	13	421	47	164	444	217	62	148	28	65	64
14	159	13	280	46	208	268	268	59	112	25	43	39
15	277	312	293	45	225	200	220	895	91	20	34	809
16	120	800	270	45	281	162	177	412	79	19	44	923
17	76	350	250	44	247	135	154	417	72	17	43	883
18	573	1320	230	43	207	167	145	361	64	17	31	452
19	596	6000	210	44	177	226	445	261	57	16	25	243
20	279	2500	198	45	156	158	1590	190	51	15	20	165
21	171	1300	182	42	131	126	734	149	47	14	17	118
22	105	1040	177	40	117	110	407	121	42	15	14	88
23	75	870	164	37	108	96	292	104	40	16	13	72
24	58	644	150	37	76	87	231	95	38	15	13	58
25	44	374	123	36	68	78	190	117	34	13	12	49
26	35	275	110	35	90	72	159	127	34	13	12	43
27	28	400	110	32	82	67	159	97	32	13	12	63
28	23	362	103	31	75	62	311	84	35	12	13	63
29	26	276	98	31	---	59	197	73	35	11	12	353
30	34	251	95	31	---	56	158	64	30	11	12	5040
31	32	---	94	31	---	53	---	59	---	9.8	12	---
TOTAL	2889	17321	10828	1514	5653	4526	15980	5346	4620	584.8	1893.9	9955
MEAN	93.2	577	349	48.8	202	146	533	172	154	18.9	61.1	332
MAX	596	6000	2010	86	918	1280	2610	895	829	29	475	5040
MIN	11	10	94	31	31	49	52	59	30	9.8	9.3	12
AC-FT	5730	34360	21480	3000	11210	8980	31700	10600	9160	1160	3760	19750
WTR YR 1986	TOTAL	81110.7	MEAN	222	MAX	6000	MIN	9.3	AC-FT	160900		

07194800 ILLINOIS RIVER AT SAVOY, 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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985											
01...	1232	9827	9827	19	--	7.74	15.0	15	9.4	1.5	120
NOV											
05...	1223	9827	9827	19	279	7.80	11.5	4.0	11.1	1.4	--
DEC											
03...	1343	9827	9827	315	188	7.40	6.0	10	7.9	1.5	320
JAN, 1986											
07...	1124	9827	9827	61	281	--	4.0	3.0	13.8	1.7	36
FEB											
04...	1251	9827	9827	38	297	7.82	14.0	1.0	10.9	2.6	44
MAR											
04...	1241	9827	9827	59	284	8.81	13.0	3.0	14.4	1.6	--
APR											
01...	1209	9827	9827	52	--	8.14	18.0	4.0	11.0	1.5	190
15...	1216	9827	9827	217	196	8.00	15.0	15	9.8	1.5	--
MAY											
06...	1223	9827	9827	109	218	7.71	18.0	8.0	8.9	1.2	410
20...	1228	9827	9827	189	212	8.23	16.5	15	8.5	1.2	--
JUN											
03...	1234	9827	9827	113	265	7.79	21.5	35	6.7	4.2	>600
17...	1223	9827	9827	--	270	7.25	23.0	4.5	8.2	2.2	--
JUL											
01...	1157	9827	9827	28	--	--	26.0	--	--	--	170
AUG											
05...	1240	9827	9827	9.6	309	7.75	24.0	4.4	--	1.4	52
19...	1248	9827	9827	--	--	7.77	26.0	9.0	7.7	1.2	--
SEP											
02...	1226	9827	9827	13	--	7.73	21.0	7.0	8.0	2.0	200
16...	1225	9827	9827	485	144	7.37	19.5	60	8.2	3.0	--

DATE	TIME	HARD- NESS (MG/L AS CaCO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, TOTAL NO2+NO3 (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT, 1985										
01...	1232	140	8.0	11	183	48	1.5	.050	.25	.30
NOV										
05...	1223	120	16	9.5	150	4	1.7	<.010	--	<.10
DEC										
03...	1343	86	16	8.0	134	9	2.0	.070	.23	.30
JAN, 1986										
07...	1124	120	16	8.5	163	4	--	.010	--	<.10
FEB										
04...	1251	130	16	9.5	177	4	2.4	.050	.15	.20
MAR										
04...	1241	120	14	7.5	152	6	2.1	<.010	--	<.10
APR										
01...	1209	120	14	9.0	157	9	1.4	.030	.37	.40
15...	1216	88	--	5.5	124	20	1.9	.030	.47	.50
MAY										
06...	1223	100	12	7.0	132	12	1.8	.040	.36	.40
20...	1228	100	13	--	138	20	1.5	.020	.28	.30
JUN										
03...	1234	--	9.0	7.5	166	42	2.0	.310	.69	1.0
17...	1223	120	12	--	--	20	2.3	<.010	--	.50
AUG										
05...	1240	140	8.0	9.0	160	5	.98	.030	--	--
19...	1248	120	6.0	7.0	--	19	1.5	.020	.08	.10
SEP										
02...	1226	140	9.0	9.0	190	14	1.5	.040	.16	.20
16...	1225	66	14	5.0	112	82	1.3	.100	--	--

ARKANSAS RIVER BASIN

07194800 ILLINOIS RIVER AT SAVOY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985										
01...	1232	1.8	.120	.060	<1	1	<15	2	--	10
NOV										
05...	1223	--	.090	.070	<1	<1	<15	<1	--	50
DEC										
03...	1343	2.3	.180	.130	<1	<1	<15	1	--	170
JAN, 1986										
07...	1124	--	.100	--	<1	<1	<15	<1	.30	10
FEB										
04...	1251	2.6	.090	.090	<1	3	<15	2	--	<10
MAR										
04...	1241	--	.070	--	<1	1	<15	1	--	--
APR										
01...	1209	1.8	.090	.080	<1	3	<15	1	--	<10
15...	1216	2.4	.100	.110	--	--	--	--	--	--
MAY										
06...	1223	2.2	.060	.050	--	<1	<15	1	--	<10
20...	1228	1.8	.120	.070	--	--	--	--	--	--
JUN										
03...	1234	3.0	.460	.290	<1	5	<15	2	--	<10
17...	1223	2.8	.140	.090	--	--	--	--	--	--
AUG										
05...	1240	--	.060	.040	--	<1	<15	1	--	<10
19...	1248	1.6	.150	--	--	--	--	--	--	--
SEP										
02...	1226	1.7	.070	--	1	1	--	<1	--	<10
16...	1225	--	.360	.280	--	--	--	--	--	--

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985											
01...	1448	9827	9827	56	--	7.90	15.0	2.0	10.3	1.5	92
NOV											
05...	1421	9827	9827	57	351	7.90	14.0	3.0	11.6	1.9	60
DEC											
03...	1000	9827	9827	213	--	--	9.0	--	--	--	450
03...	1524	9827	9827	213	263	7.35	9.0	4.0	8.0	3.2	--
JAN, 1986											
07...	1310	9827	9827	147	297	--	6.5	2.0	14.0	2.1	12
FEB											
04...	1437	9827	9827	141	316	7.22	15.0	4.0	11.0	4.2	150
MAR											
04...	1427	9827	9827	114	284	8.80	13.0	3.0	14.4	2.1	--
APR											
01...	1412	9827	9827	106	--	8.04	17.5	2.0	10.2	2.6	130
15...	1351	9827	9827	--	251	7.89	15.0	7.0	9.7	.9	--
MAY											
06...	1409	9827	9827	114	303	7.93	18.0	3.0	10.1	.5	290
20...	1420	9827	9827	150	280	6.76	17.0	6.0	9.3	1.6	--
JUN											
03...	1450	9827	9827	160	268	7.95	21.0	10	7.5	4.1	>600
17...	1436	9827	9827	--	313	7.71	24.0	3.5	9.0	1.8	--
JUL											
01...	1415	9827	9827	98	--	--	23.0	--	--	--	710
AUG											
05...	1520	9827	9827	--	326	7.80	25.0	3.0	--	1.1	390
19...	1436	9827	9827	--	--	7.87	25.0	35	8.6	1.2	--
SEP											
02...	1410	9827	9827	58	--	7.79	21.0	3.5	7.7	1.6	200

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT, 1985										
01...	1448	130	15	19	199	2	4.7	.040	.16	.20
NOV										
05...	1421	140	19	15	191	8	5.1	.010	.69	.70
DEC										
03...	1524	110	14	11	172	6	4.0	.090	.21	.30
JAN, 1986										
07...	1310	130	11	11	181	4	--	--	--	--
FEB										
04...	1437	130	17	13	195	5	4.8	.350	.35	.70
MAR										
04...	1427	120	11	12	175	6	<1.0	.040	.16	.20
APR										
01...	1412	130	11	15	203	7	4.3	.250	.55	.80
15...	1351	110	--	8.0	153	19	4.5	.030	.17	.20
MAY										
06...	1409	130	8.0	11	175	9	4.8	.030	.37	.40
20...	1420	120	11	--	180	15	3.7	.140	.16	.30
JUN										
03...	1450	--	7.0	11	172	20	3.7	.270	.33	.60
17...	1436	120	12	--	--	16	4.5	<.010	--	.40
AUG										
05...	1520	130	15	14	178	8	4.0	.020	--	--
19...	1436	130	12	14	--	10	4.0	.020	2.2	2.2
SEP										
02...	1410	130	10	14	212	14	3.5	.040	.16	.20

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985										
01...	1448	4.9	1.20	.970	<1	1	<15	2	--	10
NOV										
05...	1421	5.8	1.15	.990	<1	<1	<15	<1	--	60
DEC										
03...	1524	4.3	.420	.350	<1	<1	<15	1	--	150
JAN, 1986										
07...	1310	--	.700	--	<1	<1	<15	2	.30	20
FEB										
04...	1437	5.5	1.10	.920	<1	2	<15	1	--	<10
MAR										
04...	1427	--	.790	--	<1	1	<15	2	--	--
APR										
01...	1412	5.1	1.20	1.00	<1	3	<15	1	--	10
15...	1351	4.7	.360	.090	--	--	--	--	--	--
MAY										
06...	1409	5.2	.500	.520	--	<1	27	4	--	<10
20...	1420	4.0	.520	.480	--	--	--	--	--	--
JUN										
03...	1450	4.3	.740	.610	<1	2	<15	2	--	<10
17...	1436	4.9	.850	.650	--	--	--	--	--	--
AUG										
05...	1520	--	.980	.880	--	1	<15	<1	--	<10
19...	1436	6.2	1.00	--	--	--	--	--	--	--
SEP										
02...	1410	3.7	.930	--	<1	1	--	<1	--	<10

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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1979 to December 1981. October 1985 to September 1986 (discontinued.)

GAGE.--Water-stage recorder. Datum of gage is 975.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated discharges: Oct. 22 to Nov. 13, and Nov. 18 to Jan. 22. Water-discharge records good except for estimated daily discharges, Nov. 18 to Jan. 22, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 50,800 ft³/s Sept. 30, 1986, gage height, 20.87 ft, from rating curve extended above 29,400 ft³/s; minimum, 45 ft³/s Sept. 1, 2, 1980, gage height, 4.31 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 19	unknown	35,800	b19.77	Sept. 17	0030	9,370	14.70
Apr. 8	1000	30,600	19.19	Sept. 30	2400	*50,800	*20.87

b From floodmark.

Minimum discharge, 106 ft³/s Oct. 7, gage height, 4.90 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	150	170	3400	350	232	312	259	804	485	281	142	144
2	140	170	2800	340	236	302	278	885	631	285	183	143
3	134	160	2300	320	241	294	462	677	914	263	209	151
4	125	160	1900	290	258	287	3850	575	669	249	170	159
5	120	160	1700	290	253	279	4650	519	523	236	162	153
6	113	160	1400	280	1100	272	2250	490	572	225	828	151
7	107	150	1200	270	1860	267	1750	458	821	220	620	145
8	108	150	1000	260	1260	261	14000	425	1820	218	334	140
9	110	150	900	260	1080	252	4170	396	1900	213	275	140
10	113	150	2800	260	909	257	2220	381	1150	210	723	140
11	124	140	4500	250	791	270	1620	411	894	202	522	180
12	125	140	6800	250	688	1990	1290	385	750	214	334	309
13	131	160	4000	240	607	1280	1090	356	581	232	270	219
14	242	146	2400	240	585	899	1090	337	493	224	236	181
15	533	118	1600	230	692	702	998	1640	440	205	222	1320
16	332	332	1300	230	732	572	840	1480	394	195	247	3220
17	242	146	1100	230	725	498	755	1080	377	190	233	4680
18	287	5400	900	240	638	477	713	1170	349	182	212	1630
19	1740	15000	820	270	574	654	844	937	330	180	198	336
20	773	6800	760	290	524	509	3560	751	311	173	191	746
21	494	2100	660	270	478	438	2720	622	296	168	181	564
22	390	1700	600	250	440	397	1630	540	282	167	174	455
23	340	1500	560	254	411	366	1240	489	272	173	167	394
24	300	1200	510	252	387	345	1030	462	265	170	162	348
25	280	1100	500	248	369	331	890	1120	260	165	173	316
26	260	1000	480	242	355	317	778	1250	251	159	167	289
27	240	1600	450	234	341	305	690	810	243	157	158	280
28	220	1300	430	235	326	291	939	646	426	151	158	289
29	210	1200	410	236	---	281	766	546	459	150	155	1180
30	190	1100	400	233	---	274	643	478	307	147	151	25400
31	180	---	370	232	---	262	---	435	---	145	145	---
TOTAL	8853	43762	48950	8076	17092	14241	58015	21555	17465	6149	8102	43802
MEAN	286	1459	1579	261	610	459	1934	695	582	198	261	1460
MAX	1740	15000	6800	350	1860	1990	14000	1640	1900	285	828	25400
MIN	107	118	370	230	232	252	259	337	243	145	142	140
AC-FT	17560	86800	97090	16020	33900	28250	115100	42750	34640	12200	16070	86880

WTR YR 1986 TOTAL 296062 MEAN 811 MAX 25400 MIN 107 AC-FT 587200

ARKANSAS RIVER BASIN

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

WATER-QUALITY RECORDS

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985											
01...	1100	9827	9827	--	152	--	7.54	15.0	3.0	9.6	.9
NOV											
05...	1015	9827	9827	--	--	302	7.65	12.0	3.0	10.1	1.2
05...	1015	9827	9827	160	--	301	7.62	12.0	2.0	10.8	1.2
DEC											
03...	1000	9827	9827	2300	--	--	--	7.0	--	--	--
03...	1230	9827	9827	--	--	215	7.47	7.0	10	8.1	1.0
JAN, 1986											
07...	1002	9827	9827	270	--	254	7.61	5.0	2.0	12.6	1.0
FEB											
04...	1125	9827	9827	--	264	279	7.59	13.0	4.0	10.2	2.5
MAR											
04...	1100	9827	9827	--	290	261	8.58	10.0	3.0	11.8	1.5
APR											
01...	1053	9827	9827	--	260	--	7.48	17.0	4.0	10.6	1.2
15...	1107	9827	9827	--	997	225	7.93	15.0	15	9.1	.9
MAY											
06...	1113	9827	9827	--	492	234	7.52	18.0	6.0	8.7	1.0
20...	1047	9827	9827	--	762	225	7.44	16.0	15	7.6	.7
JUN											
03...	1100	9827	9827	914	--	239	8.04	20.0	25	8.0	1.5
17...	1055	9827	9827	--	--	265	7.68	23.0	5.5	7.9	1.0
JUL											
01...	1039	9827	9827	--	284	--	--	25.0	--	--	--
AUG											
05...	1055	9827	9827	--	163	288	7.64	24.0	6.5	--	.9
19...	1140	9827	9827	--	--	--	7.63	25.0	7.5	7.5	.6
SEP											
02...	1104	9827	9827	--	142	--	7.73	21.0	7.0	7.2	1.3
16...	1105	9827	9827	--	1390	169	7.27	19.5	85	7.0	3.2

DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT, 1985											
01...	1100	28	120	9.0	14	240	4	2.2	.040	.16	.20
NOV											
05...	1015	--	130	14	12	162	2	2.6	.010	.09	.10
05...	1015	220	130	14	12	157	8	2.5	.010	--	<.10
DEC											
03...	1000	390	--	--	--	--	--	--	--	--	--
03...	1230	--	96	14	9.0	141	9	2.2	.030	.77	.80
JAN, 1986											
07...	1002	12	120	10	9.0	153	4	--	--	--	<.10
FEB											
04...	1125	100	120	12	1.0	157	4	3.0	.020	.38	.40
MAR											
04...	1100	--	110	10	9.5	153	7	2.6	<.010	--	<.10
APR											
01...	1053	16	110	10	9.0	161	16	2.1	.040	.26	.30
15...	1107	--	100	--	6.0	138	18	3.0	.010	.19	.20
MAY											
06...	1113	92	110	10	8.0	135	13	2.6	.020	.48	.50
20...	1047	--	110	10	--	148	16	2.0	<.010	--	.40
JUN											
03...	1100	900	--	8.0	7.5	144	60	2.3	.010	.19	.20
17...	1055	--	110	11	--	--	22	2.4	<.010	--	.50
JUL											
01...	1039	240	--	--	--	--	--	--	--	--	--
AUG											
05...	1055	92	120	10	11	156	13	1.8	<.010	--	--
19...	1140	--	120	5.0	9.5	--	0	1.9	.040	.16	.20
SEP											
02...	1104	140	130	8.0	12	186	17	2.1	.030	.07	.10
16...	1105	--	72	12	6.0	111	140	1.4	.120	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985										
01...	1100	2.4	.380	.390	<1	1	<15	2	--	10
NOV										
05...	1015	2.7	.260	.230	--	--	--	--	--	--
05...	1015	--	.270	.260	--	--	--	--	--	--
DEC										
03...	1230	3.0	.380	.150	<1	<1	<15	1	--	150
JAN, 1986										
07...	1002	--	.210	--	<1	<1	<15	1	.30	10
FEB										
04...	1125	3.4	.320	.310	<1	<1	<15	4	--	<10
MAR										
04...	1100	--	.210	--	<1	1	<15	6	--	--
APR										
01...	1053	2.4	.260	.260	<1	3	<15	1	--	<10
15...	1107	3.2	.190	.160	--	--	--	--	--	--
MAY										
06...	1113	3.1	.160	.160	--	<1	<15	2	--	<10
20...	1047	2.4	.200	.160	--	--	--	--	--	--
JUN										
03...	1100	2.5	.250	.180	<1	2	<15	2	--	<10
17...	1055	2.9	.290	.250	--	--	--	--	--	--
AUG										
05...	1055	--	.390	.370	--	<1	<15	<1	--	<10
19...	1140	2.1	.320	--	--	--	--	--	--	--
SEP										
02...	1104	2.2	.380	--	<1	2	--	5	--	<10
16...	1105	--	.750	.660	--	--	--	--	--	--

ARKANSAS RIVER BASIN

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 mi².

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.--25 years, 14.0 ft³/s, 13.39 in/yr, 10,140 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,600 ft³/s June 8, 1974, gage height, 17.51 ft, from flood-marks, from rating curve extended above 260 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 18	0630	729	7.75	June 2	2130	683	7.91
Apr. 7	2330	554	7.08	Sept. 30	0015	*1900	*10.39
Apr. 8	0330	1,470	9.65				

Minimum discharge, 4.0 ft³/s July 30, gage height 3.59 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1	7.7	12	57	17	10	11	9.2	26	14	10	6.4	8.2			
2	7.4	11	47	17	12	11	11	22	73	9.9	34	8.0			
3	7.6	11	43	16	14	10	11	20	96	9.5	14	8.2			
4	6.9	9.8	41	16	14	10	40	18	62	9.0	10	8.5			
5	6.5	9.2	37	15	14	10	36	17	48	8.9	8.7	8.0			
6	6.4	8.9	35	15	23	9.7	47	16	41	8.7	48	7.6			
7	6.2	8.7	32	15	26	9.5	86	16	36	8.5	21	7.5			
8	6.5	8.3	31	14	25	9.4	400	15	36	8.3	20	7.2			
9	6.8	8.2	31	14	23	9.6	126	14	34	8.0	22	7.2			
10	7.3	8.4	61	14	21	12	101	13	31	7.9	29	7.2			
11	8.2	7.9	139	13	20	11	85	13	28	7.8	21	7.9			
12	8.2	8.0	82	13	19	19	70	13	24	8.1	18	7.5			
13	15	8.2	65	13	18	17	60	12	21	10	15	7.1			
14	28	8.2	54	13	18	16	59	14	18	9.2	14	7.0			
15	19	15	45	13	17	15	48	47	17	8.3	26	16			
16	13	13	38	12	17	15	41	28	16	8.0	25	22			
17	8.2	13	33	12	17	14	36	44	14	7.7	21	21			
18	48	292	30	12	16	14	33	37	13	7.4	18	17			
19	53	191	29	12	16	13	34	31	12	7.2	17	13			
20	35	115	28	12	15	12	41	27	12	7.0	15	11			
21	25	91	26	12	14	11	39	23	11	6.9	14	10			
22	20	75	25	11	13	11	35	21	11	6.7	13	9.7			
23	21	62	24	11	13	10	31	20	11	6.8	12	9.0			
24	18	51	22	11	13	9.9	28	18	11	6.6	11	8.7			
25	14	42	21	11	12	9.6	26	20	10	6.4	11	8.4			
26	12	39	20	11	12	9.3	23	18	10	6.4	10	8.1			
27	10	36	20	10	11	9.2	22	16	9.9	6.3	9.7	9.2			
28	10	34	19	10	11	9.9	20	15	13	6.0	9.4	8.4			
29	15	31	18	10	---	9.7	17	14	12	6.4	8.9	166			
30	14	37	18	10	---	9.7	16	13	11	5.8	8.5	704			
31	13	---	17	9.9	---	9.9	---	13	---	6.2	8.3	---			
TOTAL	476.9	1264.8	1188	394.9	454	357.4	1631.2	634	755.9	239.9	518.9	1148.6			
MEAN	15.4	42.2	38.3	12.7	16.2	11.5	54.4	20.5	25.2	7.74	16.7	38.3			
MAX	53	292	139	17	26	19	400	47	96	10	48	704			
MIN	6.2	7.9	17	9.9	10	9.2	9.2	12	9.9	5.8	6.4	7.0			
CFSM	1.08	2.97	2.70	.89	1.14	.81	3.83	1.44	1.77	.55	1.18	2.70			
IN.	1.25	3.31	3.11	1.03	1.19	.94	4.27	1.66	1.98	.63	1.36	3.01			
AC-FT	946	2510	2360	783	901	709	3240	1260	1500	476	1030	2280			
CAL YR	1985	TOTAL	9909.8	MEAN	27.2	MAX	401	MIN	6.2	CFSM	1.92	IN.	25.96	AC-FT	19660
WTR YR	1986	TOTAL	9064.5	MEAN	24.8	MAX	704	MIN	5.8	CFSM	1.75	IN.	23.75	AC-FT	17980

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 mi².

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

REVISED RECORDS.--WRD Ark. 1985: 1979-83(M).

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

REMARKS.--No estimated daily discharges. Records good. Flow is partially regulated by Lake Siloam Spring, 4.5 mi upstream, and sewage discharge into Flint Creek from city of Gentry.

AVERAGE DISCHARGE.--7 years, 40.2 ft³/s, 29,120 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,590 ft³/s Dec. 21, 1984, gage height, 11.99 ft; minimum daily, 0.40 ft³/s Aug. 7, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,990 ft³/s Sept. 30, gage height, 10.81 ft; minimum daily, 12 ft³/s Oct. 5-9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	54	189	66	36	28	23	118	58	42	25	17
2	13	50	145	65	39	28	25	100	88	41	41	18
3	13	47	126	63	42	27	28	87	245	39	33	20
4	13	43	114	62	42	27	143	78	139	37	28	22
5	12	40	103	60	39	26	119	72	113	34	26	20
6	12	40	95	60	57	26	99	68	115	34	184	19
7	12	39	88	57	79	24	122	63	205	34	73	19
8	12	35	83	55	74	24	1010	59	216	33	46	18
9	12	35	82	54	69	24	334	55	183	33	39	18
10	13	34	210	54	63	26	219	55	142	37	48	18
11	13	34	413	53	57	32	176	55	121	35	37	19
12	13	34	265	52	53	99	147	52	104	38	32	19
13	19	33	195	51	49	67	126	49	93	56	28	18
14	78	33	159	51	49	56	120	51	84	44	27	17
15	74	36	143	50	43	50	101	176	78	39	39	130
16	48	40	132	50	42	44	89	124	75	31	50	75
17	41	40	124	49	42	41	83	162	69	29	37	56
18	140	857	116	49	42	40	77	150	64	29	30	49
19	156	568	109	47	42	37	78	123	59	29	28	36
20	103	355	102	46	40	34	110	104	55	28	26	30
21	83	227	97	46	37	32	113	93	55	28	25	27
22	70	177	94	45	41	30	105	84	53	28	24	25
23	61	148	89	45	41	30	100	78	51	27	24	24
24	55	128	85	45	40	29	83	72	50	27	23	23
25	50	115	80	44	39	29	77	76	47	26	22	22
26	47	106	76	44	39	27	71	68	44	26	20	22
27	44	95	75	42	38	26	69	64	44	24	19	26
28	41	87	73	42	34	26	69	60	46	24	19	22
29	58	81	72	42	---	26	63	57	46	24	19	560
30	70	85	69	41	---	26	57	55	43	23	18	2560
31	61	---	68	37	---	26	---	54	---	23	15	---
TOTAL	1450	3696	3871	1567	1308	1067	4036	2562	2785	1002	1105	3949
MEAN	46.8	123	125	50.5	46.7	34.4	135	82.6	92.8	32.3	35.6	132
MAX	156	857	413	66	79	99	1010	176	245	56	184	2560
MIN	12	33	68	37	34	24	23	49	43	23	15	17
AC-FT	2880	7330	7680	3110	2590	2120	8010	5080	5520	1990	2190	7830
CAL YR 1985	TOTAL	33310	MEAN	91.3	MAX	1450	MIN	12	AC-FT	66070		
WTR YR 1986	TOTAL	28398	MEAN	77.8	MAX	2560	MIN	12	AC-FT	56330		

ARKANSAS RIVER BASIN

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 mi².

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.--Estimated daily discharges: Nov. 19 to Dec. 17. Water-discharge records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--28 years, 39.5 ft³/s, 11.66 in/yr, 28,620 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,900 ft³/s Nov. 18, 1985, gage height, 14.81 ft, from rating curve extended above 2,900 ft³/s on basis of contracted-opening measurement at 12,900 ft³/s; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Oct. 18	1345	3,810	8.49	June 7	1615	2650	7.05
Nov. 18	1845	*20,900	*14.81	Aug. 10	0100	3170	7.52
Apr. 4	0245	2,270	6.67	Sept. 30	1700	9460	11.21
Apr. 8	0430	2,800	7.18				

Minimum discharge, 0.84 ft³/s July 31, Aug. 1, gage-height, 1.18 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	1.7	8.6	500	26	9.7	18	17	129	14	9.2	.98	4.8		
2	2.1	6.3	400	25	9.9	18	32	74	15	10	2.7	5.9		
3	2.3	4.7	280	23	12	17	46	53	19	8.1	2.8	9.4		
4	4.4	3.6	210	22	17	15	740	44	13	7.0	2.0	15		
5	7.3	3.0	170	19	14	15	192	39	13	6.6	1.7	8.6		
6	8.5	2.6	140	19	260	14	134	36	72	5.7	137	6.8		
7	11	2.2	120	18	119	13	104	32	375	5.6	25	5.4		
8	13	1.9	110	16	92	12	567	28	340	5.2	16	4.8		
9	17	2.6	95	15	77	12	142	23	163	4.6	118	4.4		
10	20	4.0	500	15	65	15	102	44	106	4.1	470	4.3		
11	29	3.6	700	15	56	37	84	33	153	4.0	64	167		
12	28	4.6	400	15	50	278	71	25	76	3.7	40	48		
13	33	11	230	14	45	85	61	20	56	8.9	28	27		
14	95	25	150	14	51	62	116	24	45	7.5	20	18		
15	27	196	110	13	52	50	70	225	39	5.0	30	97		
16	7.1	75	90	13	64	43	58	75	35	4.2	50	107		
17	2.5	45	80	13	58	38	52	121	30	3.7	29	122		
18	602	4030	66	14	51	56	53	85	26	3.0	20	71		
19	127	2000	59	14	45	56	184	65	21	2.6	15	50		
20	59	700	55	13	40	43	278	50	18	2.3	13	39		
21	39	500	52	12	35	36	123	42	16	2.2	11	30		
22	29	350	51	12	33	33	86	35	14	1.9	9.7	26		
23	22	260	47	11	30	30	71	31	13	1.8	9.0	21		
24	18	210	43	11	28	27	60	29	12	1.8	8.2	18		
25	14	180	36	10	26	24	52	36	11	1.6	8.7	16		
26	11	240	34	9.8	24	22	46	30	9.8	1.5	6.5	14		
27	8.7	560	33	9.0	21	20	59	24	9.2	1.4	6.0	19		
28	7.7	430	31	9.7	19	19	83	21	11	1.2	7.3	17		
29	11	310	30	9.8	---	18	53	18	10	1.2	6.0	15		
30	10	250	30	9.3	---	17	45	16	9.0	1.1	5.6	3400		
31	9.6	---	29	9.5	---	16	---	15	---	.99	4.8	---		
TOTAL	1276.9	10419.7	4881	449.1	1403.6	1159	3781	1522	1744.0	127.69	1167.98	4391.4		
MEAN	41.2	347	157	14.5	50.1	37.4	126	49.1	58.1	4.12	37.7	146		
MAX	602	4030	700	26	260	278	740	225	375	10	470	3400		
MIN	1.7	1.9	29	9.0	9.7	12	17	15	9.0	.99	.98	4.3		
CFSM	.90	7.54	3.41	.32	1.09	.81	2.74	1.07	1.26	.09	.82	3.17		
IN.	1.03	8.43	3.95	.36	1.14	.94	3.06	1.23	1.41	.10	.94	3.55		
AC-FT	2530	20670	9680	891	2780	2300	7500	3020	3460	253	2320	8710		
CAL YR 1985	TOTAL	28979.93	MEAN	79.4	MAX	4030	MIN	.11	CFSM	1.73	IN.	23.44	AC-FT	57480
WTR YR 1986	TOTAL	32323.37	MEAN	88.6	MAX	4030	MIN	.98	CFSM	1.93	IN.	26.14	AC-FT	64110

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985											
01...	0753	9827	9827	--	1.8	--	7.36	13.5	2.0	9.2	1.2
NOV											
05...	0654	9827	9827	--	3.2	364	7.50	11.0	4.0	9.5	1.1
DEC											
03...	0727	9827	9827	280	--	236	7.36	5.5	5.0	8.1	1.0
JAN, 1986											
07...	0717	9827	9827	--	19	307	7.99	4.0	2.0	11.8	1.4
FEB											
04...	0845	9827	9827	--	18	313	7.10	13.0	1.0	8.2	1.8
MAR											
04...	0823	9827	9827	--	15	326	7.77	8.0	2.0	9.2	1.7
APR											
01...	0809	9827	9827	--	16	--	7.80	17.0	1.0	6.9	1.5
15...	0815	9827	9827	--	72	237	8.07	12.0	7.0	8.6	.6
MAY											
06...	0741	9827	9827	--	36	300	7.60	18.0	2.0	5.9	1.0
20...	0744	9827	9827	--	52	262	7.56	12.5	6.0	8.4	.7
JUN											
03...	0801	9827	9827	--	19	326	7.75	21.0	5.0	6.0	1.3
17...	0806	9827	9827	--	--	318	6.21	22.0	3.0	5.3	1.7
JUL											
01...	0748	9827	9827	--	8.5	--	--	26.0	--	--	--
AUG											
05...	0740	9827	9827	--	1.0	317	7.89	25.5	3.0	--	2.5
19...	0828	9827	9827	--	--	--	7.52	24.0	2.5	3.5	1.5
SEP											
02...	0831	9827	9827	--	5.3	--	7.74	22.0	4.0	5.0	1.6
16...	0841	9827	9827	--	--	240	7.71	19.5	20	--	1.3
16...	0841	9827	9827	--	78	235	7.71	19.5	20	7.5	1.1

DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT, 1985											
01...	0753	92	160	15	11	211	2	2.2	.080	.02	.10
NOV											
05...	0654	44	170	19	--	190	14	3.0	.020	.08	.10
DEC											
03...	0727	250	110	16	8.5	161	<1	3.4	.040	.06	.10
JAN, 1986											
07...	0717	12	140	18	7.0	184	6	--	.010	--	<.10
FEB											
04...	0845	170	150	19	8.0	186	2	2.8	.010	.09	.10
MAR											
04...	0823	--	140	16	7.0	181	8	2.6	.010	--	<.10
APR											
01...	0809	270	150	15	8.0	187	4	1.7	.050	1.5	1.5
15...	0815	--	110	--	4.5	148	9	2.3	.030	--	<.10
MAY											
06...	0741	280	140	16	6.0	166	4	2.2	.050	--	<.10
20...	0744	--	140	15	--	171	1	1.8	.010	.19	.20
JUN											
03...	0801	9700	--	12	8.0	203	2	2.3	.050	.05	.10
17...	0806	--	150	14	--	--	10	2.7	<.010	--	.10
JUL											
01...	0748	180	--	--	--	--	--	--	--	--	--
AUG											
05...	0740	600	150	12	6.0	174	10	.10	.010	--	--
19...	0828	--	150	14	6.5	--	3	2.3	.010	--	<.10
SEP											
02...	0831	210	160	12	7.5	202	14	1.6	.120	.48	.60
16...	0841	--	110	17	5.5	153	13	1.9	.050	--	--
16...	0841	--	110	15	5.5	148	16	1.9	.040	--	--

ARKANSAS RIVER BASIN

07196900 BARON FORK AT DUTCH MILLS ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985										
01...	0753	2.3	.110	.130	<1	<1	<15	4	--	10
NOV										
05...	0654	3.1	.160	.130	<1	<1	<15	<1	--	50
DEC										
03...	0727	3.5	.210	.110	<1	<1	<15	<1	--	130
JAN, 1986										
07...	0717	--	.140	--	<1	<1	<15	<1	.30	20
FEB										
04...	0845	2.9	.540	.500	<1	<1	<15	1	--	<10
MAR										
04...	0823	--	.120	--	<1	1	<15	1	--	--
APR										
01...	0809	3.2	.110	.120	<1	3	<15	1	--	<10
15...	0815	--	.110	.110	--	--	--	--	--	--
MAY										
06...	0741	--	.080	.090	--	<1	<15	1	--	<10
20...	0744	2.0	.120	.110	--	--	--	--	--	--
JUN										
03...	0801	2.4	.150	.120	<1	1	<15	1	--	<10
17...	0806	2.8	.150	.140	--	--	--	--	--	--
AUG										
05...	0740	--	.070	.020	--	<1	<15	<1	--	<10
19...	0828	--	.090	--	--	--	--	--	--	--
SEP										
02...	0831	2.2	.090	--	1	1	--	<1	--	<10
16...	0841	--	.240	.210	--	--	--	--	--	--
16...	0841	--	.250	.220	--	--	--	--	--	--

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985									
22...	0900	9827	9827	6.90	20.0	40	4.6	2.8	260
NOV									
12...	0845	9827	9827	7.04	--	20	7.7	1.9	12
DEC									
10...	0845	9827	9827	7.03	11.0	20	10.0	1.0	64
JAN, 1986									
28...	0900	9827	9827	7.16	2.0	15	--	1.6	4
FEB									
25...	0900	9827	9827	7.18	10.0	15	9.7	2.0	40
MAR									
25...	0905	9827	9827	6.88	15.0	20	7.3	5.7	110
APR									
22...	0900	9827	9827	6.82	15.0	40	9.2	1.1	280
MAY									
13...	1200	9827	9827	6.87	25.0	25	5.2	6.3	200
JUN									
24...	0930	9827	9827	6.77	25.0	80	4.2	>8.5	--
JUL									
29...	0845	9827	9827	7.65	28.0	--	5.0	<5.0	32
AUG									
19...	0915	9827	9827	7.22	27.0	15	3.7	8.4	1100
SEP									
09...	0900	9827	9827	6.87	22.0	25	5.1	4.3	70

DATE	TIME	HARD- NESS (MG/L AS CaCO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985									
22...	0900	30	10	9.0	85	32	.21	.250	.730
NOV									
12...	0845	--	11	9.5	75	26	.19	.030	--
DEC									
10...	0845	14	5.0	3.5	44	11	.24	.240	.180
JAN, 1986									
28...	0900	18	13	7.5	60	4	.29	.740	.430
FEB									
25...	0900	18	11	5.0	48	12	.42	.640	.140
MAR									
25...	0905	34	16	11	84	20	--	.760	.690
APR									
22...	0900	18	8.0	4.5	57	74	.19	.140	--
MAY									
13...	1200	34	16	10	85	22	>1.0	1.35	.590
JUN									
24...	0930	30	15	8.0	85	54	--	1.00	.730
JUL									
29...	0845	44	--	36	174	41	2.4	.380	1.50
AUG									
19...	0915	48	37	50	--	37	3.3	2.10	4.40
SEP									
09...	0900	54	--	--	168	38	3.7	--	1.50

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985								
22...	0900	.570	<1	1	<15	<1	--	30
NOV								
12...	0845	.440	<1	<1	<15	<1	--	10
DEC								
10...	0845	.140	1	<1	<15	<1	--	10
JAN, 1986								
28...	0900	.420	1	<1	<15	2	<.50	<10
FEB								
25...	0900	.100	<1	4	<15	<1	--	<10
MAR								
25...	0905	.600	1	1	<15	2	--	170
APR								
22...	0900	.060	<1	3	<15	5	--	20
MAY								
13...	1200	.490	<1	<1	--	3	--	<10
JUN								
24...	0930	.460	<1	2	<15	4	--	10
JUL								
29...	0845	1.10	<1	<1	<15	1	--	<10
AUG								
19...	0915	4.20	<1	<1	<15	1	--	<10
SEP								
09...	0900	1.50	<1	<1	<15	<1	--	<10

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985									
22...	0930	9827	9827	7.01	20.0	20	3.5	6.4	<10
NOV									
12...	0915	9827	9827	7.05	--	20	3.8	13	790
DEC									
10...	0900	9827	9827	7.23	12.0	25	9.6	2.1	1100
JAN, 1986									
28...	0930	9827	9827	7.38	2.0	30	--	8.1	170
FEB									
25...	0915	9827	9827	7.28	10.0	25	8.8	6.3	1700
MAR									
25...	0930	9827	9827	7.18	15.0	15	6.2	6.3	--
APR									
22...	0930	9827	9827	7.09	15.0	55	9.8	7.7	500
MAY									
13...	1145	9827	9827	7.45	25.0	15	3.3	--	>600
JUN									
24...	1000	9827	9827	7.11	26.0	45	4.4	17	--
JUL									
29...	0910	9827	9827	7.35	29.0	--	1.8	24	>600
AUG									
19...	0930	9827	9827	7.31	27.0	6.5	2.3	11	8800
SEP									
09...	0930	9827	9827	7.44	23.0	15	1.9	9.2	810

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985									
22...	0930	64	38	58	278	32	.19	4.35	11.5
NOV									
12...	0915	44	37	56	238	28	.36	2.75	--
DEC									
10...	0900	28	13	14	96	27	.43	1.80	2.25
JAN, 1986									
28...	0930	30	18	16	99	48	.19	3.80	2.00
FEB									
25...	0915	26	18	14	76	30	.20	5.30	.640
MAR									
25...	0930	54	19	16	107	26	--	6.10	2.00
APR									
22...	0930	24	10	8.5	80	140	.28	1.80	--
MAY									
13...	1145	36	21	23	134	30	.12	22.0	3.50
JUN									
24...	1000	34	23	16	114	56	--	5.00	1.20
JUL									
29...	0910	38	--	53	257	48	.07	27.0	10.8
AUG									
19...	0930	46	40	50	--	25	.13	9.60	9.50
SEP									
09...	0930	48	--	--	292	28	.23	--	16.5

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985								
22...	0930	--	<1	2	<15	1	--	40
NOV								
12...	0915	10.8	<1	<1	<15	<1	--	<10
DEC								
10...	0900	2.00	<1	1	<15	3	--	10
JAN, 1986								
28...	0930	1.60	<1	<1	<15	1	<.50	<10
FEB								
25...	0915	.430	<1	2	<15	<1	--	10
MAR								
25...	0930	1.90	1	1	18	3	--	210
APR								
22...	0930	.510	<1	2	16	40	--	30
MAY								
13...	1145	>1.00	<1	<1	--	2	--	10
JUN								
24...	1000	.790	<1	1	<15	2	--	20
JUL								
29...	0910	9.00	1	6	<15	1	--	10
AUG								
19...	0930	8.80	<1	<1	<15	1	--	<10
SEP								
09...	0930	15.8	<1	<1	<15	<1	--	<10

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 mi².

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.--Estimated daily discharges: Nov. 28 to Dec. 29. Records good except for estimated daily discharges, which are fair. As of September 1974, flow from 92.2 mi² upstream from this station is controlled by 16 flood-waterdetention 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.--47 years, 219 ft³/s, 158,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,200 ft³/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, 15,300 ft³/s Nov. 27, gage height, 19.67 ft; minimum discharge, 1.2 ft³/s Aug. 27, Sept. 25, gage height, 3.42 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	140	750	42	42	42	25	118	100	303	1.6	5.1
2	5.1	74	500	40	41	39	29	164	1080	199	2.3	3.0
3	5.6	40	400	38	38	37	33	119	742	146	2.4	2.2
4	5.5	24	340	35	40	34	297	97	510	104	1.7	2.5
5	5.0	15	280	35	39	32	1550	80	4460	82	1.8	4.4
6	4.8	11	240	35	1220	29	518	73	4020	67	2.8	4.8
7	4.3	8.8	200	34	2180	27	315	69	1560	57	4.1	6.4
8	4.1	6.8	180	31	880	25	252	63	1350	51	11	6.0
9	4.2	5.8	160	30	599	24	206	55	1170	45	24	4.9
10	3.8	4.7	140	31	464	27	157	53	1010	40	15	3.8
11	3.6	3.3	740	30	384	39	120	164	894	35	13	3.3
12	3.4	2.8	770	27	338	250	160	138	689	33	33	2.1
13	3.5	2.0	470	28	300	145	139	80	538	30	20	2.3
14	3.7	1.6	360	28	296	87	306	60	468	27	10	3.8
15	62	54	290	30	264	68	193	2510	403	24	6.3	4.4
16	57	489	240	26	264	158	126	852	322	20	6.3	3.9
17	19	290	200	27	221	116	105	2330	283	16	13	33
18	17	870	170	63	193	92	92	1560	223	16	24	23
19	19	710	140	406	163	107	1220	1170	175	11	13	10
20	40	359	120	193	138	72	3330	646	145	9.5	7.5	6.3
21	26	193	110	184	112	57	1050	474	119	8.3	4.3	3.7
22	18	146	100	142	97	49	597	393	101	6.7	2.7	2.7
23	13	118	90	117	87	45	374	330	94	5.9	2.1	2.0
24	11	106	80	96	76	41	292	311	363	5.7	2.0	2.2
25	8.6	99	70	77	68	36	244	318	135	5.1	1.8	1.5
26	7.4	1630	65	66	60	33	196	259	175	4.2	2.1	9.8
27	8.2	11000	60	61	54	32	166	210	104	3.5	2.2	9.7
28	9.9	1700	50	57	47	32	190	186	2630	3.5	50	8.2
29	234	880	50	50	---	28	143	162	1070	3.2	40	9.4
30	155	570	46	45	---	27	119	131	460	2.4	17	9.2
31	153	---	44	44	---	26	---	111	---	2.0	8.0	---
TOTAL	920.0	19553.8	7455	2148	8705	1856	12544	13286	25393	1366.0	345.0	193.6
MEAN	29.7	652	240	69.3	311	59.9	418	429	846	44.1	11.1	6.45
MAX	234	11000	770	406	2180	250	3330	2510	4460	303	50	33
MIN	3.4	1.6	44	26	38	24	25	53	94	2.0	1.6	1.5
AC-FT	1820	38780	14790	4260	17270	3680	24880	26350	50370	2710	684	384
CAL YR 1985	TOTAL	98662.35	MEAN	270	MAX	11000	MIN	.29	AC-FT	195700		
WTR YR 1986	TOTAL	93765.4	MEAN	257	MAX	11000	MIN	1.5	AC-FT	186000		

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 mi².

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: Dec. 16 to Jan. 6, July 11 to Aug. 8. Water-discharge records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--28 years, 135 ft³/s, 12.47 in/yr, 97,810 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,000 ft³/s May 14, 1968, gage height, 23.00 ft, from rating curve extended above 20,000 ft³/s; no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 19	1300	4,870	19.36	Apr. 20	0500	4,440	18.89
Nov. 27	1400	*10,700	*20.82	June 6	0200	4,380	18.80

Minimum daily discharge, 1.5 ft³/s Aug. 1, 3-5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	5.1	34	527	45	5.5	48	43	74	43	91	1.5	2.5		
2	5.4	24	296	40	15	47	50	71	257	71	2.0	2.0		
3	5.0	17	234	40	54	46	45	60	183	63	1.5	2.0		
4	4.4	13	196	40	177	45	392	52	86	58	1.5	2.5		
5	4.0	9.1	165	35	93	42	382	46	986	54	1.5	3.5		
6	3.8	7.5	142	35	1330	41	171	43	2750	50	2.0	4.5		
7	3.8	6.7	127	35	650	42	110	41	1100	45	5.0	3.5		
8	3.2	6.8	115	32	833	41	81	40	817	39	20	3.0		
9	2.9	5.0	106	31	500	42	62	37	655	34	16	2.5		
10	3.1	4.0	101	30	392	59	51	33	302	28	15	2.0		
11	3.3	4.8	222	31	299	80	46	37	231	30	26	2.0		
12	3.8	4.8	207	30	266	243	57	36	178	25	20	2.0		
13	5.4	5.7	165	28	222	155	58	35	132	20	8.0	2.0		
14	45	12	135	29	227	97	111	41	105	20	4.2	2.5		
15	41	121	120	29	205	81	101	223	90	15	3.5	2.5		
16	19	267	115	28	187	114	61	101	93	15	4.0	40		
17	9.1	161	105	28	173	97	52	614	131	10	3.3	25		
18	19	445	95	29	151	117	58	257	83	10	3.5	15		
19	96	2910	85	29	132	183	994	196	66	9.0	3.3	7.0		
20	49	810	80	28	117	106	2890	109	56	7.5	2.8	4.0		
21	31	324	75	20	101	80	692	76	48	6.5	2.5	2.5		
22	19	228	70	9.2	88	69	360	60	44	5.5	2.2	2.0		
23	8.1	169	65	7.7	77	64	249	51	44	5.0	2.1	2.0		
24	5.3	135	60	17	68	60	186	89	41	4.5	2.0	2.0		
25	4.3	117	60	18	62	54	139	127	40	4.0	1.8	6.0		
26	4.4	919	60	7.4	60	51	115	71	40	3.5	2.2	4.5		
27	5.7	7160	55	6.5	56	50	102	55	38	3.0	2.4	3.5		
28	7.9	1480	55	6.1	52	45	105	46	339	2.5	2.4	4.0		
29	90	518	50	15	---	44	89	40	342	2.5	2.1	3.5		
30	68	363	50	12	---	42	77	36	138	2.0	2.1	3.0		
31	37	---	45	5.8	---	41	---	36	---	2.0	2.4	---		
TOTAL	612.0	16281.4	3983	776.7	6592.5	2326	7929	2833	9458	735.5	168.8	163.0		
MEAN	19.7	543	128	25.1	235	75.0	264	91.4	315	23.7	5.45	5.43		
MAX	96	7160	527	45	1330	243	2890	614	2750	91	26	40		
MIN	2.9	4.0	45	5.8	5.5	41	43	33	38	2.0	1.5	2.0		
CFSM	.13	3.69	.87	.17	1.60	.51	1.80	.62	2.14	.16	.04	.04		
IN.	.15	4.12	1.01	.20	1.67	.59	2.01	.72	2.39	.19	.04	.04		
AC-FT	1210	32290	7900	1540	13080	4610	15730	5620	18760	1460	335	323		
CAL YR 1985	TOTAL	66067.04	MEAN	181	MAX	7160	MIN	.00	CFSM	1.23	IN.	16.72	AC-FT	131000
WTR YR 1986	TOTAL	51858.9	MEAN	142	MAX	7160	MIN	1.5	CFSM	.97	IN.	13.12	AC-FT	102900

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985										
22...	0800	9827	9827	--	22	7.07	19.0	35	7.6	2.0
NOV										
12...	0735	9827	9827	--	4.2	7.46	--	10	--	--
DEC										
10...	0745	9827	9827	--	102	7.26	10.0	15	10.1	1.0
JAN, 1986										
28...	0800	9827	9827	--	6.0	7.81	2.0	5.0	--	.9
FEB										
25...	0800	9827	9827	--	64	7.45	10.0	10	10.5	.8
MAR										
25...	0800	9827	9827	--	54	7.36	13.0	20	9.7	1.3
APR										
22...	0800	9827	9827	--	378	7.62	14.0	55	8.8	1.0
MAY										
13...	0730	9827	9827	--	35	7.36	22.0	20	7.5	1.4
JUN										
24...	0830	9827	9827	--	41	7.32	25.0	20	7.3	1.6
JUL										
29...	0800	9827	9827	2.5	--	7.75	29.0	--	5.9	--
AUG										
19...	0800	9827	9827	3.3	--	7.77	27.0	8.0	6.4	1.3
SEP										
09...	0800	9827	9827	2.5	--	7.44	19.0	15	7.2	1.0
DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985										
22...	0800	160	130	130	5.5	242	25	.19	.090	.070
NOV										
12...	0735	16	110	82	7.0	226	26	.12	.050	--
DEC										
10...	0745	100	92	71	4.5	154	8	.61	.070	.030
JAN, 1986										
28...	0800	16	170	98	7.5	276	8	.10	.090	.030
FEB										
25...	0800	36	78	60	6.5	140	10	.27	.010	.040
MAR										
25...	0800	4	94	62	6.5	162	24	--	.050	.070
APR										
22...	0800	620	56	30	5.5	128	54	.93	.100	--
MAY										
13...	0730	8	140	86	5.0	196	44	.35	.070	.050
JUN										
24...	0830	220	110	77	3.8	179	31	--	.020	.060
JUL										
29...	0800	28	180	--	4.0	257	22	.08	.050	.040
AUG										
19...	0800	80	170	91	4.5	--	10	.02	.070	.050
SEP										
09...	0800	48	56	--	--	75	14	.23	--	.060

ARKANSAS RIVER BASIN

07249400 JAMES FORK NEAR HACKETT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
22...	0800	.030	<1	1	18	1	--	--	30
NOV									
12...	0735	.030	<1	<1	<15	9	--	--	<10
DEC									
10...	0745	.020	<1	1	<15	3	--	--	10
JAN, 1986									
28...	0800	.020	<1	1	<15	2	<.50	--	<10
FEB									
25...	0800	.040	<1	6	<15	<1	--	--	<10
MAR									
25...	0800	<.010	<1	1	<15	2	--	--	180
APR									
22...	0800	.060	<1	2	44	45	--	<1	100
MAY									
13...	0730	.030	<1	<1	--	1	--	--	<10
JUN									
24...	0830	.020	1	1	<15	<1	--	--	<10
JUL									
29...	0800	.010	<1	<1	<15	1	--	--	<10
AUG									
19...	0800	<.010	<1	<1	<15	<1	--	--	<10
SEP									
09...	0800	.070	<1	<1	<15	2	--	--	<10

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 mi².

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.--Estimated daily discharges: June 7-9. Records good except for estimated daily discharges, which are fair. Satellite telemeter at station.

AVERAGE DISCHARGE.--42 years (1930-36, 1950-86), 501 ft³/s, 15.97 in/yr, 363,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,600 ft³/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 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 19	0800	*52,800	*25.95	No other peak greater than base discharge.			

Minimum discharge, 1.0 ft³/s Oct. 10, gage height, 0.24 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	2.2	83	3040	233	70	254	268	1890	252	51	4.7	19		
2	2.1	81	2150	220	67	237	316	2060	239	52	6.8	19		
3	1.8	78	1490	208	96	223	730	1260	238	45	6.2	20		
4	1.6	74	1170	197	257	211	4490	938	238	40	5.6	22		
5	1.5	68	967	184	440	199	5790	744	256	37	5.2	22		
6	1.3	63	803	174	3150	187	4330	631	713	31	7.5	20		
7	1.2	57	694	164	3180	178	3540	522	560	31	53	18		
8	1.1	51	609	154	2140	169	5840	422	2300	26	193	15		
9	1.1	45	539	141	1670	161	3460	343	1200	23	205	14		
10	1.1	40	2950	133	1340	177	2180	412	655	20	5170	13		
11	1.3	37	4430	127	1090	187	1610	559	846	19	1430	12		
12	1.7	37	2900	123	926	3740	1260	398	620	17	641	21		
13	1.8	35	1970	117	798	2130	1040	303	411	15	379	163		
14	5.0	36	1430	113	745	1350	1210	262	302	15	268	108		
15	31	803	1150	107	717	1020	1160	2230	241	13	212	84		
16	164	1940	1020	103	693	846	904	1690	200	13	235	81		
17	116	988	925	102	732	715	766	1970	173	13	293	372		
18	687	8240	815	108	680	776	704	2180	147	13	219	795		
19	1690	31100	706	111	613	1140	1340	1610	125	11	171	417		
20	687	5400	634	109	542	928	5090	1080	107	9.9	137	261		
21	380	2560	567	114	476	761	2940	799	92	9.3	111	192		
22	265	1700	514	110	423	668	1870	622	79	9.0	89	151		
23	200	1220	477	108	386	597	1380	486	68	8.8	73	124		
24	157	952	434	103	356	527	1080	4190	61	8.1	60	104		
25	127	777	380	100	329	465	873	1800	56	7.5	50	87		
26	101	911	336	92	309	419	716	1070	48	6.9	42	74		
27	84	2700	309	82	298	382	1150	736	42	6.6	37	63		
28	75	2280	292	76	278	346	1740	552	72	6.4	31	57		
29	76	1560	274	73	---	318	1170	413	79	5.9	26	59		
30	79	1260	260	72	---	297	909	324	60	5.4	24	198		
31	86	---	249	73	---	276	---	276	---	5.0	21	---		
TOTAL	5029.8	65176	34484	3931	22801	19884	59856	32772	10480	573.8	10206.0	3605		
MEAN	162	2173	1112	127	814	641	1995	1057	349	18.5	329	120		
MAX	1690	31100	4430	233	3180	3740	5840	4190	2300	52	5170	795		
MIN	1.1	35	249	72	67	161	268	262	42	5.0	4.7	12		
CFSM	.38	5.10	2.61	.30	1.91	1.50	4.68	2.48	.82	.04	.77	.28		
IN.	.44	5.69	3.01	.34	1.99	1.74	5.23	2.86	.92	.05	.89	.31		
AC-FT	9980	129300	68400	7800	45230	39440	118700	65000	20790	1140	20240	7150		
CAL YR 1985	TOTAL	273946.95	MEAN	751	MAX	31100	MIN	.65	CFSM	1.76	IN.	23.92	AC-FT	543400
WTR YR 1986	TOTAL	268798.6	MEAN	736	MAX	31100	MIN	1.1	CFSM	1.73	IN.	23.47	AC-FT	533200

ARKANSAS RIVER BASIN

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 mi², of which 22,241 mi² 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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985											
22...	0730	9827	9827	103000	687	7.63	18.0	80	7.9	18	1.1
NOV											
12...	1500	9827	9827	36400	463	7.98	--	50	9.6	18	1.0
DEC											
10...	1500	9827	9827	106000	292	7.79	9.0	45	11.0	16	1.2
JAN, 1986											
28...	1500	9827	9827	22000	687	8.11	8.0	25	--	15	1.7
FEB											
25...	1445	9827	9827	34200	526	8.88	14.0	35	17.3	19	4.2
MAR											
25...	1445	9827	9827	21800	642	8.13	16.0	25	12.9	20	3.8
APR											
22...	1500	9827	9827	74900	299	7.73	18.0	120	8.9	31	2.8
MAY											
13...	0730	9827	9827	15400	544	7.89	23.0	25	7.7	15	2.1
JUN											
25...	0730	9827	9827	38000	408	7.68	28.0	35	7.2	15	2.1
JUL											
29...	1430	9827	9827	25000	728	8.55	34.0	--	12.1	10	3.9
AUG											
19...	1500	9827	9827	24200	782	8.78	33.0	4.5	12.6	15	4.7
SEP											
10...	0600	9827	9827	12900	728	7.83	24.0	9.5	7.7	14	1.2

DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT, 1985										
22...	0730	3000	120	51	130	409	69	.68	.110	.59
NOV										
12...	1500	32	120	37	65	277	36	.69	.060	.54
DEC										
10...	1500	80	86	23	32	178	44	.46	.100	.30
JAN, 1986										
28...	1500	4	150	53	120	393	12	.71	.090	--
FEB										
25...	1445	<4	130	42	84	300	34	<.21	<.010	--
MAR										
25...	1445	--	140	53	110	373	27	--	.070	.73
APR										
22...	1500	870	90	26	35	208	313	.35	.090	.31
MAY										
13...	0730	>600	160	50	73	309	32	.51	.110	.69
JUN										
25...	0730	--	96	29	58	223	27	--	.060	.14
JUL										
29...	1430	160	160	--	200	410	13	.06	.050	.45
AUG										
19...	1500	12	160	55	140	--	8	.06	.010	.39
SEP										
10...	0600	--	170	--	--	406	12	.21	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	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)	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)
OCT, 1985										
22...	0730	.70	1.4	.190	.120	15	<1	3	25	<1
NOV										
12...	1500	.60	1.3	--	.110	--	<1	<1	<15	<1
DEC										
10...	1500	.40	.86	.150	.100	--	<1	2	<15	2
JAN, 1986										
28...	1500	--	--	.130	.110	3	<1	2	<15	3
FEB										
25...	1445	.90	--	.130	.030	--	<1	3	<15	1
MAR										
25...	1445	.80	--	.170	.060	--	<1	1	<15	2
APR										
22...	1500	.40	.75	--	.060	10	<1	2	<15	3
MAY										
13...	0730	.80	1.3	.130	.060	--	<1	<1	--	2
JUN										
25...	0730	.20	--	.120	.070	--	.1	1	<15	4
JUL										
29...	1430	.50	.56	.100	.040	2	<1	<1	<15	1
AUG										
19...	1500	.40	.46	.060	.020	--	<1	<1	<15	1
SEP										
10...	0600	.50	.71	.080	.070	--	<1	<1	<15	<1

DATE	TIME	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)
OCT, 1985										
22...	0730	--	<1	50	<.002	<.01	--	<.002	<.01	<.01
NOV										
12...	1500	--	--	<10	--	--	--	--	--	--
DEC										
10...	1500	--	--	20	--	--	--	--	--	--
JAN, 1986										
28...	1500	<.50	<1	10	--	--	--	--	--	--
FEB										
25...	1445	--	--	30	<.002	<.01	<.01	<.002	<.01	<.01
MAR										
25...	1445	--	--	150	--	--	--	--	--	--
APR										
22...	1500	--	<1	20	--	--	--	--	--	--
MAY										
13...	0730	--	--	<10	<.002	<.01	--	<.002	<.01	<.01
JUN										
25...	0730	--	--	20	--	--	--	--	--	--
JUL										
29...	1430	--	1	<10	--	--	--	--	--	--
AUG										
19...	1500	--	--	<10	<.002	<.01	--	<.002	<.01	<.01
SEP										
10...	0600	--	--	<10	--	--	--	--	--	--

DATE	TIME	P,P' DDT, TOTAL (UG/L) (39300)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
OCT, 1985										
22...	0730	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
FEB, 1986										
25...	1445	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
MAY, 1986										
13...	0730	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
AUG, 1986										
19...	1500	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1

ARKANSAS RIVER BASIN

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 mi², of which 22,241 mi² 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.--59 years, 31,540 ft³/s, 22,850,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 850,000 ft³/s May 12, 1943, gage height, 38.0 ft, from flood-mark, 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, 202,000 ft³/s Nov. 19, tailwater elevation, 394.16 ft; minimum daily, 78 ft³/s Sept. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36500	82800	143000	42900	14200	12000	16000	39300	56700	28300	19600	8250
2	32800	69500	146000	42300	6960	15600	16700	44700	59800	27400	8320	7660
3	34300	55300	141000	32700	19700	18900	12300	40400	51900	27600	1870	9180
4	35400	53100	138000	37200	26800	10000	52300	41200	55900	25400	7710	14400
5	36800	50000	140000	37800	20000	21900	108000	36900	56000	25300	7380	7970
6	29600	45000	141000	35800	42800	24200	92800	38300	79800	22600	6880	11100
7	29300	42600	137000	38200	55200	21900	79800	34100	92300	25400	4690	78
8	24700	39300	123000	36900	50800	8370	74900	31300	85900	22000	6620	3030
9	24000	32000	108000	36400	41500	6680	87000	33100	81300	20200	6500	9020
10	26700	35500	105000	34800	36500	12000	79000	31300	78300	17400	3960	12100
11	27900	35100	129000	36000	29900	14900	73000	29400	79400	16700	13300	11000
12	28900	35900	122000	35600	37200	43800	83200	30100	80200	7400	22200	12800
13	30900	37300	130000	36200	36300	46800	85300	27900	76000	4690	11900	3660
14	67500	68700	120000	24900	35200	42700	81400	25100	65400	19100	6070	3610
15	80100	111000	119000	20600	26200	33000	75200	48300	56600	21800	5260	8150
16	65900	130000	107000	20800	25700	32900	58800	70300	47800	33900	8310	8370
17	55800	131000	102000	23000	40700	28500	45100	83900	43300	30400	6840	18800
18	72600	135000	95300	24900	23200	29400	39600	98700	41700	26200	13400	28900
19	115000	193000	78000	16800	30800	40500	46700	97700	41100	18800	17100	27700
20	111000	179000	71600	13700	34300	34200	83000	90400	41100	21400	13500	25600
21	101000	146000	65100	5130	33900	30600	78300	94900	39100	17900	11800	26500
22	103000	136000	55900	15800	31700	21000	73800	95800	35100	18400	11300	27500
23	105000	137000	54600	13100	24500	11900	64000	95700	35500	20200	9780	22200
24	108000	138000	48500	10200	25400	12100	60700	101000	35100	17700	8890	14100
25	108000	139000	52500	7240	25800	16700	66100	110000	36000	13700	11400	17800
26	85900	142000	52500	7050	18100	17900	60400	109000	34600	14100	12300	16700
27	82400	153000	52500	15400	13600	16800	45300	105000	32100	5870	9270	17600
28	88500	158000	52100	16900	19300	9200	45700	103000	32600	13300	7970	15500
29	89000	152000	51900	14500	---	7260	41300	85000	30600	15300	3890	17100
30	102000	144000	45200	9790	---	12000	39500	77000	29500	18400	12700	49700
31	95300	---	43900	19900	---	13200	---	65300	---	17900	2150	--
TOTAL	2033800	3006100	2970600	762510	826260	666910	1865200	2014100	1610700	614760	292860	456078
MEAN	65610	100200	95830	24600	29510	21510	62170	64970	53690	19830	9447	15200
MAX	115000	193000	146000	42900	55200	46800	108000	110000	92300	33900	22200	49700
MIN	24000	32000	43900	5130	6960	6680	12300	25100	29500	4690	1870	78
AC-FT	4034000	5963000	5892000	1512000	1639000	1323000	3700000	3995000	3195000	1219000	580900	904600
CAL YR 1985	TOTAL	26284900	MEAN	72010	MAX	193000	MIN	1820	AC-FT	52140000		
WTR YR 1986	TOTAL	17119878	MEAN	46900	MAX	193000	MIN	78	AC-FT	33960000		

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
OCT, 1985											
02...	0700	80513	80010	37200	529	8.20	18.0	4.0	7.2	76	765
DEC											
30...	1245	80513	80020	50700	549	7.40	5.0	25	13.2	105	754
FEB, 1986											
13...	0730	80513	80020	30900	550	8.60	4.5	25	13.9	107	768
APR											
17...	0700	80513	80020	56600	482	7.90	13.0	37	8.2	78	762
JUN											
11...	0700	80513	80020	78700	370	8.00	25.0	45	8.0	97	760
AUG											
20...	0630	80513	80020	15400	531	8.20	28.0	4.7	7.6	98	757
DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	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)
OCT, 1985											
02...	0700	27	110	140	28	40	8.8	51	44	2	3.2
DEC											
30...	1245	500	77	120	31	34	7.7	56	50	2	3.9
FEB, 1986											
13...	0730	120	--	120	40	33	9.0	65	53	3	2.9
APR											
17...	0700	16	55	110	33	32	7.2	50	49	2	2.6
JUN											
11...	0700	380	1100	98	26	27	7.4	37	44	2	2.6
AUG											
20...	0630	88	540	130	28	36	8.7	68	53	3	3.5

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	ALKA-LINITY FIELD (MG/L AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (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 SI02) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
OCT, 1985											
02...	0700	109	39	74	.30	2.6	295	280	.40	--	<.010
DEC											
30...	1245	85	44	91	.20	7.1	290	300	.39	--	<.010
FEB, 1986											
13...	0730	80	47	98	.10	5.8	302	310	.41	--	<.010
APR											
17...	0700	74	34	72	.10	4.6	259	250	.35	--	<.010
JUN											
11...	0700	71	32	54	.20	5.2	223	210	.30	.41	.010
AUG											
20...	0630	97	47	110	.20	2.4	375	340	.51	--	<.010
DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)
OCT, 1985											
02...	0700	<.10	<.010	.020	--	.50	.050	.040	<.010	10	1
DEC											
30...	1245	.57	.150	.120	.85	1.0	.130	.080	.070	--	--
FEB, 1986											
13...	0730	.30	.030	.030	.87	.90	.080	.010	.020	120	<1
APR											
17...	0700	.43	.060	.050	.64	.70	.110	.040	.030	--	--
JUN											
11...	0700	.42	.070	.070	.53	.60	.180	.060	.050	--	--
AUG											
20...	0630	<.10	.090	.090	.61	.70	.080	.030	.030	20	2
DATE	TIME	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	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)
OCT, 1985											
02...	0700	100	1.5	<1	<1	<3	4	7	4	9	8
FEB, 1986											
13...	0730	64	<.5	<1	<1	<3	1	97	<1	<4	13
AUG											
20...	0630	75	<.5	2	<1	<3	<1	9	<5	12	2

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS FE) (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- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT, 1985											
02...	0700	<.1	<10	1	<1	<1	310	12	12	1210	91
DEC											
30...	1245	--	--	--	--	--	--	--	31	4240	73
FEB, 1986											
13...	0730	.1	<10	<1	<1	<1	280	32	33	2750	92
APR											
17...	0700	--	--	--	--	--	--	--	67	10200	72
JUN											
11...	0700	--	--	--	--	--	--	--	58	12300	89
AUG											
20...	0630	.1	<10	1	<1	<1	300	9	16	665	53

ARKANSAS RIVER BASIN

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 mi².

PERIOD OF RECORD.--May 1938 to current year.

REVISED RECORDS.--WSP 1007: 1943. WSP 1211: 1941-42. WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 432.75 ft 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.--48 years, 541 ft³/s, 19.70 in/yr, 392,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,200 ft³/s Dec. 3, 1982, gage height, 23.66 ft, from rating curve extended above 38,000 ft³/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 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 19	0300	*48,200	*19.79	Apr. 8	1400	12,500	10.98
Nov. 27	1400	11,300	10.42				

Minimum discharge, 1.9 ft³/s Oct. 1, 8, 9, 10, 11, gage height, 0.62 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	2.2	52	2670	204	68	243	200	712	266	35	2.2	23		
2	2.4	46	2110	197	68	221	202	693	262	34	3.4	22		
3	2.5	43	1710	194	86	207	218	601	232	33	3.7	21		
4	2.9	43	1440	172	290	197	633	522	229	31	3.7	21		
5	3.1	41	1220	160	496	182	2250	466	217	29	3.7	20		
6	2.9	37	1060	157	716	176	1870	428	215	26	236	19		
7	2.5	36	925	156	1150	165	1570	395	270	25	153	17		
8	2.1	34	794	154	1210	164	5160	357	337	24	113	14		
9	1.9	31	692	154	1170	162	3720	317	314	22	116	13		
10	1.9	30	668	153	1090	157	2520	303	273	19	1060	11		
11	2.0	29	734	150	994	160	2020	300	269	18	669	11		
12	2.0	28	830	144	872	735	1660	289	293	16	322	10		
13	2.4	28	785	86	755	1150	1380	267	252	47	220	9.6		
14	7.0	28	689	81	700	990	1250	248	204	75	168	8.9		
15	11	1340	607	76	670	848	1240	386	162	40	135	9.1		
16	51	1580	563	73	600	734	1040	656	128	28	256	10		
17	60	1140	524	68	590	638	909	1070	97	22	402	97		
18	62	9220	487	70	566	574	813	1960	110	17	276	233		
19	246	24100	444	80	517	569	981	1410	100	14	208	160		
20	260	4250	414	93	476	495	4770	1030	82	13	161	117		
21	196	2350	389	97	436	427	4050	758	67	11	129	91		
22	158	1690	364	99	397	387	2800	596	57	9.8	104	79		
23	132	1300	344	99	369	362	2200	481	50	9.6	83	68		
24	113	1070	329	95	351	354	1780	504	45	8.2	68	59		
25	94	901	304	91	339	339	1440	674	40	8.1	56	53		
26	79	1350	274	89	330	318	1190	560	35	8.1	48	48		
27	66	8190	255	79	284	271	1020	451	32	7.4	41	46		
28	62	4370	244	77	259	252	1000	373	37	4.4	36	44		
29	60	2600	231	74	---	238	896	312	40	3.5	30	42		
30	57	2000	220	73	---	226	762	262	39	2.9	27	40		
31	55	---	211	71	---	209	---	229	---	2.4	24	---		
TOTAL	1799.8	67957	22531	3566	15849	12150	51544	17610	4754	643.4	5157.7	1416.6		
MEAN	58.1	2265	727	115	566	392	1718	568	158	20.8	166	47.2		
MAX	260	24100	2670	204	1210	1150	5160	1960	337	75	1060	233		
MIN	1.9	28	211	68	68	157	200	229	32	2.4	2.2	8.9		
CFSM	.16	6.07	1.95	.31	1.52	1.05	4.61	1.52	.42	.06	.45	.13		
IN.	.18	6.78	2.25	.36	1.58	1.21	5.14	1.76	.47	.06	.51	.14		
AC-FT	3570	134800	44690	7070	31440	24100	102200	34930	9430	1280	10230	2810		
CAL YR 1985	TOTAL	284152.5	MEAN	778	MAX	36900	MIN	1.0	CFSM	2.09	IN.	28.34	AC-FT	563600
WTR YR 1986	TOTAL	204978.5	MEAN	562	MAX	24100	MIN	1.9	CFSM	1.51	IN.	20.44	AC-FT	406600

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
22...	1430	9827	9827	169	7.30	--	25	9.0	--
NOV									
12...	1415	9827	9827	30	7.49	--	3.0	10.3	1.1
DEC									
10...	1400	9827	9827	715	7.09	10.0	9.0	11.0	.5
JAN, 1986									
28...	1430	9827	9827	82	7.19	7.0	4.0	--	.5
FEB									
25...	1400	9827	9827	363	7.23	12.0	5.0	11.7	.6
MAR									
25...	1400	9827	9827	363	7.15	15.0	7.0	11.0	.6
APR									
22...	1400	9827	9827	3000	6.99	15.0	10	10.4	.5
MAY									
13...	1430	9827	9827	286	7.07	26.0	5.0	9.4	1.5
JUN									
24...	1500	9827	9827	48	7.45	30.0	35	9.0	1.4
JUL									
29...	1350	9827	9827	3.7	7.30	34.0	--	--	1.5
AUG									
19...	1430	9827	9827	223	7.53	30.0	5.0	9.2	1.0
SEP									
10...	0700	9827	9827	--	6.99	23.0	6.5	6.9	.1
DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CAC03) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
22...	1430	--	20	6.0	4.0	42	40	.16	.010
NOV									
12...	1415	4	24	6.0	4.5	35	5	.08	.010
DEC									
10...	1400	8	16	1.0	2.0	29	10	.23	.060
JAN, 1986									
28...	1430	<4	18	9.0	3.5	23	2	.17	.080
FEB									
25...	1400	<4	14	7.0	2.5	22	2	.09	<.100
MAR									
25...	1400	<4	36	7.0	4.0	34	7	--	.060
APR									
22...	1400	20	12	3.0	2.0	44	12	.11	.050
MAY									
13...	1430	20	18	9.0	3.5	28	6	.08	.070
JUN									
24...	1500	<4	18	8.0	1.5	23	8	--	<.010
JUL									
29...	1350	20	16	--	2.0	34	11	.07	.050
AUG									
19...	1430	12	12	6.0	1.5	--	7	.06	.020
SEP									
10...	0700	--	20	--	--	30	25	.14	--

ARKANSAS RIVER BASIN

07252030 MULBERRY RIVER AT I40 NEAR MULBERRY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
22...	1430	.070	.010	<1	1	<15	2	--	<10
NOV									
12...	1415	--	.020	<1	<1	<15	<1	--	<10
DEC									
10...	1400	.030	.020	<1	1	<15	2	--	<10
JAN, 1986									
28...	1430	.010	.020	<1	<1	<15	4	<.50	<10
FEB									
25...	1400	.030	.020	<1	1	<15	<1	--	20
MAR									
25...	1400	.020	<.010	<1	1	<15	<1	--	170
APR									
22...	1400	--	.010	<1	1	<15	1	--	20
MAY									
13...	1430	.030	.020	<1	<1	--	1	--	<10
JUN									
24...	1500	.020	.030	<1	<1	<15	1	--	<10
JUL									
29...	1350	.040	<.010	<1	<1	<15	2	--	<10
AUG									
19...	1430	.020	<.010	<1	<1	<15	<1	--	<10
SEP									
10...	0700	.020	.010	1	<1	<15	<1	--	<10

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 mi², of which 22,241 mi² 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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)
OCT, 1985											
22...	1345	9827	9827	103000	7.78	21.0	65	8.7	1.6	<10	130
NOV											
12...	1330	9827	9827	3300	7.96	--	45	9.7	.9	72	120
DEC											
10...	1138	9827	9827	109000	7.75	12.0	40	11.3	1.4	64	98
JAN, 1986											
28...	1345	9827	9827	8400	8.09	9.0	25	--	1.2	<4	150
FEB											
25...	1330	9827	9827	0900	8.84	13.0	25	16.7	4.2	<4	120
MAR											
25...	1330	9827	9827	8900	8.05	16.0	20	11.0	1.9	<4	140
APR											
22...	1330	9827	9827	6300	7.83	17.0	45	9.8	2.2	470	96
MAY											
13...	1345	9827	9827	0400	7.92	26.0	20	9.6	2.3	12	28
JUN											
24...	1415	9827	9827	9500	7.85	30.0	40	8.1	2.8	64	130
JUL											
29...	1330	9827	9827	5000	8.40	33.0	--	8.9	2.6	4	170
AUG											
19...	1400	9827	9827	0200	8.67	33.0	8.0	12.8	4.3	4	150
SEP											
09...	1330	9827	9827	.00	7.77	25.0	9.0	7.3	.9	<4	170
DATE	TIME	SULFATE DIS- SOLVED (MG/L AS CL) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)
OCT, 1985											
22...	1345	54	120	376	67	.63	.040	.190	.110	<1	3
NOV											
12...	1330	38	66	283	25	.70	.050	--	.110	<1	<1
DEC											
10...	1138	26	32	187	26	.55	.090	.150	.100	<1	2
JAN, 1986											
28...	1345	55	110	380	12	.72	.080	.130	.110	<1	2
FEB											
25...	1330	39	67	261	36	.21	<.010	.130	.040	<1	4
MAR											
25...	1330	57	110	374	22	--	.070	.120	.050	<1	1
APR											
22...	1330	29	35	205	43	.38	.030	--	.050	<1	1
MAY											
13...	1345	51	69	295	20	.43	.090	.100	.060	<1	<1
JUN											
24...	1415	40	81	296	48	--	.040	.150	.060	<1	2
JUL											
29...	1330	--	350	439	14	.06	.050	.110	.040	<1	<1
AUG											
19...	1400	54	95	--	13	.04	.010	.040	.020	<1	<1
SEP											
09...	1330	--	--	446	17	.15	--	.070	.060	1	<1

07252406 ARK RIVER AT OZARK DAM AT OZARK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)
OCT, 1985											
22...	1345	18	2	--	40	--	--	--	--	--	--
NOV											
12...	1330	<15	1	--	<10	--	--	--	--	--	--
DEC											
10...	1138	<15	2	--	20	--	--	--	--	--	--
JAN, 1986											
28...	1345	<15	4	<.50	<10	--	--	--	--	--	--
FEB											
25...	1330	<15	<1	--	20	<.002	<.01	<.01	<.002	<.01	<.01
MAR											
25...	1330	<15	2	--	190	--	--	--	--	--	--
APR											
22...	1330	<15	3	--	20	--	--	--	--	--	--
MAY											
13...	1345	--	2	--	<10	<.002	<.01	--	<.002	<.01	<.01
JUN											
24...	1415	<15	2	--	<10	--	--	--	--	--	--
JUL											
29...	1330	<15	1	--	<10	--	--	--	--	--	--
AUG											
19...	1400	<15	1	--	<10	<.002	<.01	--	<.002	<.01	<.01
SEP											
09...	1330	<15	5	--	<10	--	--	--	--	--	--

DATE	TIME	P,P' DDT, TOTAL (UG/L) (39300)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
FEB, 1986										
25...	1330	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
MAY, 1986										
13...	1345	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
AUG, 1986										
19...	1400	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.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 mi².

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.--36 years, 405 ft³/s, 20.07 in/yr, 293,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 111,000 ft³/s Dec. 3, 1982, gage height, 33.87 ft, from rating curve extended above 45,000 ft³/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 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 19	1030	8,600	10.74	Apr. 8	0900	*13,200	*13.13
Nov. 27	1130	12,000	12.55				

No flow July 31, Aug. 1-6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	67	2000	119	71	174	163	367	221	37	.00	5.5
2	9.8	81	1390	113	70	164	171	310	192	36	.00	4.5
3	9.7	76	989	108	80	161	288	255	431	37	.00	4.0
4	9.1	66	788	103	363	154	835	219	376	28	.00	3.7
5	7.5	57	647	98	492	144	2690	193	298	28	.00	3.4
6	6.2	49	540	92	822	138	1550	178	1040	17	.00	5.8
7	5.3	45	454	88	1110	132	1110	161	1400	15	.15	4.6
8	4.5	40	394	84	950	126	6300	143	941	14	.88	3.4
9	4.0	37	343	79	793	122	2550	129	663	13	3.0	2.9
10	5.0	35	313	74	693	134	1570	119	549	9.7	18	2.2
11	6.6	32	374	72	602	155	1140	297	691	8.1	84	2.2
12	10	31	451	72	524	538	936	298	586	6.7	83	2.3
13	10	31	410	72	459	700	898	212	433	4.3	56	2.3
14	29	31	361	69	431	579	908	167	330	2.9	37	2.4
15	51	193	325	69	407	507	803	261	262	2.3	28	4.2
16	104	887	305	67	374	447	686	380	212	2.1	499	11
17	71	440	285	73	393	403	602	391	171	1.7	278	37
18	60	1400	264	76	383	410	562	598	142	2.2	149	65
19	273	5060	239	89	357	469	1140	498	119	1.3	95	47
20	189	1810	221	106	329	392	3960	398	101	1.1	65	36
21	142	947	207	102	302	346	2360	324	85	.33	47	29
22	113	663	195	96	272	317	1520	282	72	.16	35	23
23	90	494	189	89	256	302	1110	243	61	.08	27	19
24	74	391	182	84	241	283	871	258	62	.06	20	19
25	63	326	167	80	226	260	717	336	57	.50	17	17
26	55	768	147	77	212	242	602	286	50	.96	14	15
27	55	7360	137	75	202	227	525	235	51	1.1	11	14
28	49	2900	136	73	191	207	596	210	42	.58	7.8	8.7
29	43	1540	129	70	---	193	478	185	50	.10	6.7	12
30	42	1040	125	72	---	184	404	154	40	.01	7.4	10
31	50	---	122	72	---	174	---	139	---	.00	5.8	---
TOTAL	1650.7	26897	12829	2613	11605	8784	38045	8226	9728	271.28	1594.73	416.1
MEAN	53.2	897	414	84.3	414	283	1268	265	324	8.75	51.4	13.9
MAX	273	7360	2000	119	1110	700	6300	598	1400	37	499	65
MIN	4.0	31	122	67	70	122	163	119	40	.00	.00	2.2
CFSM	.19	3.27	1.51	.31	1.51	1.03	4.63	.97	1.18	.03	.19	.05
IN.	.22	3.65	1.74	.35	1.58	1.19	5.17	1.12	1.32	.04	.22	.06
AC-FT	3270	53350	25450	5180	23020	17420	75460	16320	19300	538	3160	825
CAL YR 1985	TOTAL	171676.15	MEAN	470	MAX	19000	MIN	.00	CFSM	1.72	IN.	23.31
WTR YR 1986	TOTAL	122659.81	MEAN	336	MAX	7360	MIN	.00	CFSM	1.23	IN.	16.65
											AC-FT	340500
											AC-FT	243300

ARKANSAS RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
08...	1050	9827	9827	4.9	7.71	16.0	3.0	8.7	1.2
29...	1045	9827	9827	46	7.58	16.0	2.0	9.6	.8
NOV									
26...	1135	9827	9827	829	6.83	15.0	7.0	8.2	--
JAN, 1986									
14...	1040	9827	9827	75	--	--	15	13.1	2.0
FEB									
18...	1100	9827	9827	414	7.26	10.0	6.0	11.8	1.2
MAR									
12...	1055	9827	9827	581	7.41	9.0	4.0	11.1	1.3
APR									
08...	1035	9827	9827	6800	6.98	16.0	270	9.0	4.1
MAY									
27...	1120	9827	9827	254	7.36	21.0	7.5	9.8	1.6
JUN									
10...	1050	9827	9827	593	7.45	23.0	8.5	9.2	2.0
JUL									
08...	1110	9827	9827	15	7.60	32.0	--	8.9	2.4
AUG									
12...	1125	9827	9827	90	8.21	28.0	1.5	--	--
SEP									
09...	1115	9827	9827	3.0	--	23.0	1.6	8.4	1.5
DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180, DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
08...	1050	160	44	5.0	3.0	48	1	--	.050
29...	1045	12	36	5.0	3.5	50	1	.01	<.010
NOV									
26...	1135	40	34	--	--	35	2	.26	.560
JAN, 1986									
14...	1040	4	22	7.0	2.5	40	<1	.08	.040
FEB									
18...	1100	<10	20	5.0	3.0	38	1	.07	.350
MAR									
12...	1055	<4	24	--	4.0	38	1	.06	.010
APR									
08...	1035	2500	18	7.0	2.5	102	332	.08	.080
MAY									
27...	1120	16	20	6.0	1.5	61	2	.05	.020
JUN									
10...	1050	90	24	6.0	1.0	50	4	--	.010
JUL									
08...	1110	4	32	<1.0	1.5	46	<1	.04	--
AUG									
12...	1125	200	30	9.0	2.0	52	5	.03	.010
SEP									
09...	1115	20	20	--	2.0	36	<1	.08	.040

07257006 BIG PINEY CREEK AT HIGHWAY 164 NEAR DOVER, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
08...	1050	.030	.030	<1	<1	<15	<1	--	10
29...	1045	.030	.020	<1	<1	<15	1	--	20
NOV									
26...	1135	.060	<.010	--	<1	<15	1	--	80
JAN, 1986									
14...	1040	.030	<.010	1	1	<15	<1	<.50	50
FEB									
18...	1100	.020	.010	1	<1	<15	1	--	<10
MAR									
12...	1055	.020	<.010	<1	<1	<15	1	--	40
APR									
08...	1035	.410	.100	--	10	<15	7	--	20
MAY									
27...	1120	.010	.010	1	1	<15	<1	--	10
JUN									
10...	1050	.030	.030	<1	1	<15	--	--	<10
JUL									
08...	1110	.010	--	<1	<1	<15	<1	--	<10
AUG									
12...	1125	.010	.010	--	<1	<15	3	--	10
SEP									
09...	1115	--	.020	--	<1	<15	<1	--	<10

ARKANSAS RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
08...	1025	9827	9827	.00	7.25	17.0	4.5	8.6	1.4
29...	1015	9827	9827	22	7.21	17.0	2.0	8.6	.9
NOV									
26...	1110	9827	9827	374	7.03	14.0	6.0	12.0	--
JAN, 1986									
14...	1015	9827	9827	53	7.03	4.0	4.0	13.0	1.5
FEB									
18...	1030	9827	9827	421	7.00	10.0	6.0	11.3	2.1
MAR									
12...	1025	9827	9827	1990	7.14	13.0	3.0	10.3	1.5
APR									
08...	1010	9827	9827	7490	6.68	18.0	200	9.2	7.3
MAY									
27...	1100	9827	9827	211	7.23	20.0	6.5	9.2	1.9
JUN									
10...	1020	9827	9827	193	7.29	26.0	5.5	8.1	1.8
JUL									
08...	1055	9827	9827	5.0	7.15	30.0	--	8.1	2.5
AUG									
12...	1110	9827	9827	13	7.54	27.0	25	--	--
SEP									
09...	1050	9827	9827	4.0	--	24.0	3.0	7.9	2.8
DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
08...	1025	24	20	4.0	6.0	35	2	--	.070
29...	1015	28	18	2.0	4.0	35	4	.01	.010
NOV									
26...	1110	140	18	--	--	14	3	.18	.050
JAN, 1986									
14...	1015	4	20	7.0	2.5	37	1	.23	.010
FEB									
18...	1030	25	10	5.0	3.5	34	2	.16	.020
MAR									
12...	1025	12	14	--	3.5	30	1	.14	<.010
APR									
08...	1010	2100	16	7.0	2.0	38	278	.10	.470
MAY									
27...	1100	56	14	6.0	1.5	43	1	.10	.040
JUN									
10...	1020	200	14	6.0	1.0	34	4	--	.020
JUL									
08...	1055	4	14	4.0	2.0	33	3	.03	--
AUG									
12...	1110	64	14	9.0	3.5	38	5	.06	.010
SEP									
09...	1050	20	12	--	2.5	27	<1	.08	.050

07257690 ILLINOIS BAYOU NEAR DOVER, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
08...	1025	.030	.030	<1	<1	<15	1	--	10
29...	1015	.040	.020	1	<1	<15	1	--	30
NOV									
26...	1110	.060	<.010	--	1	<15	<1	--	90
JAN, 1986									
14...	1015	.030	.010	1	4	<15	<1	.60	50
FEB									
18...	1030	--	.010	<1	<1	<15	1	--	<10
MAR									
12...	1025	.020	<.010	<1	<1	<15	1	--	40
APR									
08...	1010	.310	.100	<1	9	<15	12	--	20
MAY									
27...	1100	.010	.010	<1	1	<15	<1	--	20
JUN									
10...	1020	.020	.040	<1	1	<15	--	--	<10
JUL									
08...	1055	.030	--	1	<1	<15	<1	--	10
AUG									
12...	1110	.010	.010	--	<1	<15	4	--	10
SEP									
09...	1050	--	.010	--	<1	<15	<1	--	<10

ARKANSAS RIVER BASIN

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 mi², of which 22,241 mi² 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 110,000 ft³/s determined from acoustical velocity meter. Satellite telemeter at station.

AVERAGE DISCHARGE.--49 years, 35,680 ft³/s, 25,850,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 683,000 ft³/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 ft³/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, 233,000 ft³/s Nov. 20, gage height, 31.78 ft; minimum daily, 50 ft³/s Mar. 24, 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40700	92000	163000	43000	21800	16200	17300	48000	63800	27900	21500	5930
2	33800	74700	150000	43900	6060	8800	20800	43700	60000	29600	4220	11400
3	29600	63500	146000	41200	14600	18400	19400	43000	59500	28300	3790	18100
4	37300	54200	141000	32800	36400	13400	41200	37600	55100	24100	3190	13000
5	37200	47400	130000	31000	29100	14300	71700	39100	64500	26500	9680	12500
6	38200	47500	124000	28100	33600	27400	100000	40400	76500	23900	1540	4640
7	30300	42400	151000	40600	61000	18600	102000	37800	84800	26400	5700	130
8	28600	41400	150000	41400	71900	14500	103000	38000	96900	33200	19800	2590
9	29000	30500	143000	36900	59700	2200	104000	27000	96900	24500	1000	3210
10	28800	42000	127000	32100	44600	22900	90900	24500	82100	15300	950	9670
11	24900	30100	121000	28400	39100	18100	82400	42300	74900	7440	23700	11500
12	25200	36900	125000	33300	40600	38400	76100	31000	79400	10200	22000	11800
13	28900	34900	129000	34600	41400	41500	82600	28100	77000	12200	19900	13100
14	38000	41900	134000	32000	34700	41100	86600	29100	73900	15400	1040	90
15	65300	71300	133000	22800	28800	40500	83800	41900	67000	31900	8230	5130
16	70900	114000	126000	16300	30800	40700	70900	53900	54200	32600	9970	9350
17	64800	125000	114000	23500	34100	41000	57300	82700	48400	28200	2250	13600
18	58800	139000	108000	22900	35700	28900	49000	97400	49900	32100	14300	27600
19	81300	184000	87800	17000	36800	36800	49000	98900	45800	24400	26200	29600
20	96400	226000	79500	16200	34000	40900	98700	99500	45500	16400	13300	29800
21	96100	199000	68600	13200	39700	40800	111000	96200	39800	23400	12300	29800
22	102000	167000	55000	11200	34900	36700	88900	95900	35000	24400	20200	29700
23	98700	146000	53100	11400	25000	13700	76000	99800	33900	22400	7930	21900
24	98800	144000	56700	9330	28100	50	66800	98600	37400	19700	4730	22900
25	104000	143000	51400	7600	26600	9620	63100	110000	35200	16100	17100	10100
26	98000	148000	43200	9840	23300	16300	66600	114000	42700	5200	12300	16500
27	82700	191000	47100	7920	23500	35900	58300	109000	38000	18600	4560	16500
28	78600	206000	53400	17900	18700	21400	47600	102000	36000	10900	7320	19700
29	83800	184000	54800	14400	---	50	47900	95200	36600	17200	12600	14200
30	84200	175000	50800	17000	---	11300	45500	79800	35900	29400	9030	30900
31	92600	---	41800	10900	---	18100	---	72600	---	23100	5990	--
TOTAL	1907500	3241700	3158200	748690	954560	728520	2078400	2057000	1726600	680940	326320	444940
MEAN	61530	108100	101900	24150	34090	23500	69280	66350	57550	21970	10530	14830
MAX	104000	226000	163000	43900	71900	41500	111000	114000	96900	33200	26200	30900
MIN	24900	30100	41800	7600	6060	50	17300	24500	33900	5200	950	90
AC-FT	3784000	6430000	6264000	1485000	1893000	1445000	4123000	4080000	3425000	1351000	647300	882500
CAL YR 1985	TOTAL	26671150	MEAN	73070	MAX	235000	MIN	280	AC-FT	52900000		
WTR YR 1986	TOTAL	18053370	MEAN	49460	MAX	226000	MIN	50	AC-FT	35810000		

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.

SUSPENDED SEDIMENT DISCHARGE: October 1967 to September 1981.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CAC03) (00900)
OCT, 1985											
08...	1200	9827	9827	28500	8.11	18.0	20	8.8	1.6	540	160
29...	1200	9827	9827	83900	7.88	19.0	65	11.0	2.0	4600	130
NOV											
26...	1240	9827	9827	144000	7.74	14.0	65	12.3	--	<10	94
JAN, 1986											
14...	1125	9827	9827	24800	7.83	--	30	13.1	1.6	96	140
FEB											
18...	1200	9827	9827	41000	8.81	8.0	15	14.6	7.6	330	110
MAR											
12...	1220	9827	9827	40900	8.48	13.0	6.0	9.5	3.7	88	130
APR											
08...	1155	9827	9827	94900	7.89	19.0	45	10.8	2.1	60	120
MAY											
27...	1230	9827	9827	110000	7.95	20.0	70	10.6	1.1	130	150
JUN											
10...	1215	9827	9827	83500	7.88	26.0	55	10.1	2.0	20	130
JUL											
08...	1250	9827	9827	23300	8.50	32.0	--	11.3	4.6	28	140
AUG											
12...	1310	9827	9827	22400	8.54	28.0	20	--	--	680	160
SEP											
09...	1235	9827	9827	--	--	27.0	6.5	6.5	1.3	330	160
DATE	TIME	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)
OCT, 1985											
08...	1200	50	85	331	15	--	.070	.110	.090	<1	<1
29...	1200	43	160	410	60	.73	.020	.180	.120	1	3
NOV											
26...	1240	--	--	191	72	.43	.100	.200	.080	--	3
JAN, 1986											
14...	1125	52	100	383	16	.64	.100	.140	.110	1	6
FEB											
18...	1200	44	93	305	22	.18	.040	.110	.010	<1	<1
MAR											
12...	1220	--	86	304	15	.15	.170	.080	.020	3	<1
APR											
08...	1155	41	75	281	44	.36	.080	.140	.080	<1	2
MAY											
27...	1230	47	87	355	67	.54	.060	.160	.080	3	6
JUN											
10...	1215	40	67	299	50	--	.060	.170	.100	2	3
JUL											
08...	1250	49	120	384	23	.14	--	.100	--	1	1
AUG											
12...	1310	64	160	445	22	.21	.060	.120	.080	--	<1
SEP											
09...	1235	--	130	428	12	.15	.110	--	.110	--	<1

ARKANSAS RIVER BASIN

07258000 ARKANSAS RIVER AT DARDANELLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)
OCT, 1985											
08...	1200	<15	1	--	20	--	--	--	--	--	--
29...	1200	<15	4	--	40	<.002	<.01	--	<.002	<.01	<.01
NOV											
26...	1240	<15	4	--	130	--	--	--	--	--	--
JAN, 1986											
14...	1125	18	8	<.50	60	<.002	<.01	<.01	<.002	<.01	<.01
FEB											
18...	1200	<15	2	--	10	--	--	--	--	--	--
MAR											
12...	1220	<15	<1	--	40	--	--	--	--	--	--
APR											
08...	1155	<15	2	--	10	--	--	--	--	--	--
MAY											
27...	1230	<15	4	--	40	<.002	<.01	--	<.002	<.01	<.01
JUN											
10...	1215	<15	--	--	<10	--	--	--	--	--	--
JUL											
08...	1250	<15	1	--	10	--	--	--	--	--	--
AUG											
12...	1310	<15	2	--	10	<.002	<.01	--	<.002	<.01	<.01
SEP											
09...	1235	<15	2	--	<10	--	--	--	--	--	--

DATE	TIME	P,P' DDT, TOTAL (UG/L) (39300)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
OCT, 1985										
29...	1200	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
JAN, 1986										
14...	1125	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
MAY										
27...	1230	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
AUG										
12...	1310	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1

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.

SUSPENDED SEDIMENT DISCHARGE: October 1967 to September 1981.

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	19.5	19.0	19.0	17.0	16.0	16.5	10.0	9.0	9.5	4.0	4.0	4.0
2	19.0	18.5	18.5	16.0	15.5	15.5	9.0	7.5	8.0	4.0	4.0	4.0
3	18.5	18.0	18.0	15.0	15.0	15.0	7.5	7.0	7.5	4.0	4.0	4.0
4	18.0	18.0	18.0	15.0	14.5	14.5	7.0	6.5	6.5	4.0	4.0	4.0
5	18.0	17.5	17.5	14.5	14.0	14.0	6.5	6.5	6.5	4.5	4.0	4.5
6	17.0	17.0	17.0	14.0	14.0	14.0	6.5	6.0	6.0	4.0	4.0	4.0
7	17.0	17.0	17.0	14.0	14.0	14.0	6.5	6.0	6.0	4.0	4.0	4.0
8	16.5	16.5	16.5	14.0	13.5	14.0	6.5	6.5	6.5	4.0	4.0	4.0
9	16.5	16.5	16.5	14.0	14.0	14.0	7.5	7.5	7.5	4.0	3.5	3.5
10	17.0	16.5	16.5	14.0	14.0	14.0	8.0	7.5	7.5	4.0	3.5	3.5
11	17.0	17.0	17.0	14.5	14.0	14.5	8.0	8.0	8.0	3.5	3.0	3.5
12	17.5	17.0	17.5	14.5	14.5	14.5	8.0	8.0	8.0	3.5	3.0	3.5
13	18.0	17.5	17.5	14.5	14.5	14.5	8.0	7.0	7.5	4.0	3.5	4.0
14	18.5	18.0	18.5	15.0	14.5	15.0	7.0	6.0	6.5	4.0	4.0	4.0
15	18.5	18.5	18.5	15.5	15.0	15.0	6.0	5.5	6.0	4.0	4.0	4.0
16	18.5	18.5	18.5	15.5	14.5	15.0	5.5	5.0	5.5	4.0	4.0	4.0
17	18.5	18.5	18.5	14.5	14.5	14.5	5.0	4.5	5.0	4.5	4.0	4.5
18	18.5	18.5	18.5	14.5	14.5	14.5	4.5	4.5	4.5	5.0	4.5	5.0
19	18.5	18.5	18.5	14.5	14.5	14.5	4.5	4.5	4.5	5.5	5.0	5.0
20	19.0	18.5	18.5	14.5	14.0	14.0	4.5	4.5	4.5	5.5	5.5	5.5
21	19.0	19.0	19.0	14.0	13.0	13.5	4.5	4.5	4.5	5.5	5.5	5.5
22	19.0	19.0	19.0	13.0	12.5	13.0	4.5	4.5	4.5	6.0	5.5	5.5
23	19.0	19.0	19.0	12.5	12.0	12.0	4.5	4.5	4.5	6.0	6.0	6.0
24	19.5	19.0	19.0	12.0	11.5	11.5	4.5	4.5	4.5	6.0	6.0	6.0
25	19.5	19.5	19.5	11.5	11.0	11.0	4.5	4.0	4.5	6.0	5.5	5.5
26	19.5	19.0	19.5	12.0	11.0	11.5	4.0	3.0	3.5	5.5	5.5	5.5
27	19.0	18.5	18.5	12.0	12.0	12.0	3.0	3.0	3.0	5.5	5.0	5.5
28	18.5	18.0	18.5	12.0	11.5	12.0	3.0	3.0	3.0	4.5	4.5	4.5
29	18.0	18.0	18.0	11.5	11.0	11.5	3.5	3.0	3.5	4.5	4.5	4.5
30	18.0	17.5	17.5	10.5	10.0	10.5	3.5	33.5	3.5	4.5	4.5	4.5
31	17.5	17.0	17.0	---	---	---	4.0	3.5	3.5	5.0	4.5	5.0
MONTH	19.5	16.5	18.0	17.0	10.0	13.5	10.0	3.0	5.5	6.0	3.0	4.5

07258000 ARKANSAS RIVER AT DARDANELLE, ARK.--CONTINUED

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	5.0	4.5	4.5	9.5	9.5	9.5	15.0	15.0	15.0	19.0	18.0	18.5
2	5.5	5.0	5.5	9.5	9.0	9.0	15.5	15.5	15.5	19.0	19.0	19.0
3	6.0	6.0	6.0	10.0	9.5	9.5	16.0	15.5	16.0	19.5	19.0	19.0
4	7.0	6.5	7.0	10.5	10.0	10.5	16.5	16.0	16.5	19.5	19.0	19.5
5	8.0	7.0	7.5	10.5	10.5	10.5	17.0	17.0	17.0	19.5	19.5	19.5
6	8.0	7.5	7.5	10.5	10.5	10.5	17.5	17.5	17.5	19.5	19.5	19.5
7	8.0	8.0	8.0	11.0	10.5	10.5	17.0	17.0	17.0	20.0	19.5	20.0
8	8.0	8.0	8.0	10.5	10.5	10.5	17.5	17.5	17.5	21.0	20.0	20.5
9	8.0	8.0	8.0	11.0	10.5	10.5	17.5	17.5	17.5	21.0	21.0	21.0
10	7.5	7.0	7.5	11.5	11.0	11.5	17.5	17.5	17.5	21.5	21.0	21.5
11	7.0	6.0	6.5	12.0	11.5	12.0	17.5	17.5	17.5	22.5	21.5	20.0
12	6.0	6.0	6.0	12.0	12.0	12.0	18.0	17.5	17.5	22.5	22.5	22.5
13	5.5	5.0	5.0	12.5	12.0	12.0	18.5	18.0	18.0	22.5	22.5	22.5
14	5.0	5.0	5.0	12.5	12.5	12.5	18.5	18.0	18.5	22.5	22.5	22.5
15	5.0	5.0	5.0	12.5	12.5	12.5	18.0	17.5	17.5	23.5	22.5	22.5
16	5.0	5.0	5.0	13.0	12.5	12.5	17.5	16.5	17.0	24.0	23.5	23.5
17	6.0	5.0	5.5	13.5	13.0	13.0	17.5	17.0	17.0	24.0	24.0	24.0
18	6.5	6.0	6.5	13.5	13.5	13.5	17.5	17.0	17.0	24.0	22.5	23.0
19	7.0	6.5	7.0	14.0	13.5	13.5	17.5	17.0	17.0	22.5	22.5	22.5
20	7.5	7.0	7.5	14.0	13.5	13.5	17.5	16.5	16.5	22.5	22.0	22.0
21	8.0	7.5	8.0	13.5	13.0	13.5	16.5	16.0	16.0	22.0	21.5	21.5
22	8.0	8.0	8.0	13.5	12.5	12.5	16.0	15.5	16.0	21.5	21.0	21.0
23	8.5	8.0	8.0	12.5	12.5	12.5	16.0	15.5	15.5	21.0	21.0	21.0
24	8.5	8.5	8.5	14.5	12.5	13.5	16.0	15.5	15.5	21.0	21.0	21.0
25	9.0	8.5	8.5	14.0	12.5	13.0	16.5	16.5	16.5	21.0	21.0	21.0
26	9.0	8.5	9.0	13.0	12.5	12.5	17.5	16.5	17.0	21.0	21.0	21.0
27	9.5	9.0	9.5	14.5	13.5	14.0	17.5	17.5	17.5	21.5	21.0	21.5
28	9.5	9.5	9.5	16.0	14.5	15.0	18.0	17.5	17.5	22.0	21.5	21.5
29	---	---	---	17.5	14.5	16.0	18.0	18.0	18.0	23.0	22.0	22.5
30	---	---	---	16.0	14.5	15.0	18.0	18.0	18.0	24.0	22.5	23.0
31	---	---	---	15.0	14.5	15.0	---	---	---	24.0	23.5	23.5
MONTH	9.5	4.5	7.0	17.5	9.0	12.5	18.5	15.0	17.0	24.0	18.0	21.5
	JUNE			JULY			AUGUST			SEPTEMBER		
1	24.0	24.0	24.0	29.0	28.5	28.5	31.5	31.0	31.0	26.0	26.5	26.0
2	24.0	24.0	24.0	29.0	28.5	28.5	31.0	30.5	31.0	26.5	26.0	26.0
3	24.0	23.5	23.5	29.0	29.0	29.0	31.0	30.5	31.0	26.0	26.0	26.0
4	24.0	23.5	23.5	29.0	28.5	29.0	31.0	30.0	30.5	26.0	26.0	26.0
5	24.0	24.0	24.0	29.0	28.5	28.5	30.0	29.5	30.5	26.0	26.0	26.5
6	24.0	24.0	24.0	29.0	29.0	28.5	29.5	29.0	29.0	25.5	25.5	25.5
7	24.5	24.0	24.0	29.0	29.0	29.0	29.5	29.0	29.0	25.5	25.0	25.0
8	25.0	24.5	24.5	29.0	29.0	29.0	29.0	28.5	28.5	25.5	25.0	25.0
9	25.5	25.0	25.0	29.5	29.0	29.5	28.5	28.0	28.0	25.0	25.0	25.0
10	25.5	25.0	25.5	29.5	29.5	29.0	28.5	27.5	28.0	25.0	24.5	25.0
11	25.5	25.5	25.5	29.5	29.0	29.5	27.5	27.5	27.5	24.5	24.5	25.5
12	26.0	25.5	25.5	29.5	29.5	29.5	27.0	27.0	27.0	25.5	24.5	24.5
13	26.0	26.0	26.0	29.5	29.5	29.5	27.0	26.5	26.5	25.0	24.5	25.0
14	26.0	26.0	26.0	30.0	29.5	29.5	27.5	26.5	27.0	25.5	24.5	25.0
15	26.0	26.0	26.0	30.0	29.5	29.5	27.5	26.5	27.0	25.5	24.0	25.0
16	26.5	26.0	26.5	29.5	30.0	29.5	27.0	27.0	27.0	24.0	24.0	24.0
17	27.0	26.5	27.0	29.5	29.5	29.5	28.5	27.0	28.0	24.5	24.0	24.0
18	27.0	27.0	27.0	30.0	30.0	29.5	28.5	27.5	27.5	24.5	24.5	24.5
19	27.5	27.0	27.5	30.5	30.5	30.5	28.0	27.5	27.5	24.5	24.5	24.5
20	27.5	27.5	27.5	31.0	30.5	31.0	28.0	28.0	28.0	24.5	24.5	24.5
21	27.5	27.5	27.5	31.0	30.0	31.0	28.0	27.5	28.0	24.5	24.5	24.5
22	28.0	27.5	27.5	30.5	30.0	30.5	28.0	27.5	28.0	25.0	24.5	24.5
23	28.5	28.0	28.0	30.0	30.0	30.0	28.0	28.0	28.0	25.5	25.0	25.5
24	28.5	28.5	28.5	30.0	29.5	30.0	28.0	28.0	28.0	25.5	25.5	25.5
25	28.5	28.5	28.5	30.0	29.5	29.5	28.5	28.0	28.0	25.5	25.5	25.5
26	28.5	28.5	28.5	30.0	29.5	30.0	29.0	28.5	28.5	25.5	25.5	25.5
27	28.5	28.5	28.5	30.0	30.0	30.0	29.0	29.0	29.0	26.0	26.0	26.0
28	28.5	28.5	28.5	31.0	30.5	30.5	29.0	28.0	28.5	26.0	26.0	26.0
29	28.5	28.5	28.5	31.0	30.5	31.0	28.0	27.5	28.0	26.0	26.0	26.0
30	28.5	28.5	28.5	31.5	31.0	31.0	28.0	27.0	27.5	26.0	26.0	26.0
31	---	---	---	31.5	31.0	31.5	27.5	26.5	27.0	---	---	---
MONTH	28.5	23.5	26.5	31.5	28.5	29.5	31.5	26.5	28.5	26.5	24.0	25.5
YEAR	31.5	3.0	17.5									

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 mi².

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 1985 TO SEPTEMBER 1986

		AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985										
22...	1230	9827	9827	.63	7.23	21.0	20	3.6	--	1.9
NOV										
12...	1230	9827	9827	.00	7.39	--	20	7.4	--	3.9
DEC										
10...	1215	9827	9827	116	7.09	10.0	20	10.5	--	1.0
JAN, 1986										
28...	1245	9827	9827	17	7.20	6.0	30	--	24	1.3
FEB										
25...	1230	9827	9827	66	7.14	12.0	20	10.4	--	1.9
MAR										
25...	1230	9827	9827	57	7.28	18.0	20	9.8	--	1.4
APR										
22...	1230	9827	9827	655	6.57	16.0	40	9.4	--	1.0
MAY										
13...	1300	9827	9827	48	7.02	25.0	15	8.0	--	2.3
JUN										
24...	1330	9827	9827	18	7.25	29.0	30	7.0	--	2.3
JUL										
29...	1230	9827	9827	.00	7.30	31.0	--	6.3	--	2.3
AUG										
19...	1300	9827	9827	.50	7.42	28.0	15	7.1	--	2.7
SEP										
09...	1230	9827	9827	.00	7.18	24.0	35	6.6	--	1.9
		COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CAC03) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	
OCT, 1985										
22...	1230	40	40	8.0	7.0	95	18	.02	.030	
NOV										
12...	1230	36	38	10	7.0	78	7	.02	.020	
DEC										
10...	1215	92	20	10	5.0	60	9	.44	.080	
JAN, 1986										
28...	1245	8	9	18	--	64	92	.04	.090	
FEB										
25...	1230	16	20	14	6.0	48	25	<.11	<.010	
MAR										
25...	1230	36	34	16	6.5	72	10	--	.040	
APR										
22...	1230	400	18	11	4.0	82	39	1.2	.110	
MAY										
13...	1300	76	28	14	5.5	57	21	.10	.070	
JUN										
24...	1330	640	24	12	4.5	60	22	--	.010	
JUL										
29...	1230	40	32	--	5.0	76	10	.04	.050	
AUG										
19...	1300	64	34	16	4.0	--	23	.09	.010	
SEP										
09...	1230	32	40	--	--	77	73	.06	--	

ARKANSAS RIVER BASIN

07258500 PETIT JEAN RIVER NEAR BOONEVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
22...	1230	.080	.010	<1	<1	19	3	--	30
NOV									
12...	1230	--	.020	<1	<1	<15	<1	--	<10
DEC									
10...	1215	.040	.030	<1	6	<15	3	--	10
JAN, 1986									
28...	1245	.080	.030	1	<1	<15	2	<.50	10
FEB									
25...	1230	.050	.030	<1	3	<15	<1	--	20
MAR									
25...	1230	.040	<.010	<1	1	<15	2	--	190
APR									
22...	1230	--	.040	<1	1	<15	2	--	20
MAY									
13...	1300	.060	.020	<1	<1	--	2	--	<10
JUN									
24...	1330	.080	.040	<1	2	<15	2	--	<10
JUL									
29...	1230	.050	.010	<1	<1	<15	2	--	<10
AUG									
19...	1300	.060	<.010	<1	<1	<15	1	--	<10
SEP									
09...	1230	.080	.010	<1	<1	<15	<1	--	<10

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 mi².

PERIOD OF RECORD.--October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		AGENCY COL- LECTING SAMPLE (CODE NUMBFR) (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 (DFG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TRANS- PAR- FNCY (SECCHI DISK) (M) (00078)
OCT											
16...	1230	80513	80020	.00	37.0	64	7.20	19.5	8.4	763	.76
16...	1232	80513	80020	10.0	37.0	65	7.20	19.0	8.1	763	--
16...	1234	80513	80020	20.0	37.0	65	7.10	19.0	8.1	763	--
16...	1236	80513	80020	30.0	37.0	67	6.90	18.0	6.2	763	--
16...	1240	80513	80020	37.0	37.0	69	6.80	17.5	5.1	763	--
NOV											
18...	1200	80513	80020	.00	29.0	65	7.10	15.0	10.8	755	.57
18...	1203	80513	80020	10.0	29.0	65	7.10	14.5	10.0	755	--
18...	1206	80513	80020	20.0	29.0	65	7.00	14.5	9.8	755	--
18...	1210	80513	80020	29.0	29.0	65	7.00	14.5	9.6	755	-
		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)		
DEC											
12...	1130	80513	80020	.00	47.0	40	7.00	7.5	11.3		
12...	1131	80513	80020	3.00	47.0	40	6.80	7.5	11.1		
12...	1135	80513	80020	10.0	47.0	40	6.70	7.5	11.1		
12...	1137	80513	80020	20.0	47.0	40	6.70	7.5	11.0		
12...	1138	80513	80020	30.0	47.0	39	6.70	7.5	10.9		
12...	1140	80513	80020	38.0	47.0	39	6.70	7.5	10.9		
12...	1142	80513	80020	40.0	47.0	39	6.60	7.5	10.9		
12...	1145	80513	80020	47.0	47.0	39	6.70	7.5	10.8		
		BARO- METRIC PRES- SURE (MM OF HG) (00025)	TRANS- PAR- FNCY (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)			
DEC											
12...	1130	757	.27	24	--	--	--	--			
12...	1135	757	--	--	120	40	.9	14			
12...	1140	757	--	--	120	40	1.1	12			
		ALKA- LITY 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)	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)			
DEC											
12...	1131	--	.10	.060	.030	.18	.300	<.100			
12...	1135	12	.20	.060	.030	.18	--	--			
12...	1140	10	.10	.060	.020	.18	--	--			

ARKANSAS RIVER BASIN

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE (00027)	AGENCY ANA- LYZING SAMPLE (CODE (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 HG) (00025)	TRANS- PAR- ENCY (DISK) (M) (00078)
JAN											
14...	1320	80513	80020	.00	33.0	49	6.40	4.5	14.0	752	.58
14...	1322	80513	80020	10.0	33.0	50	6.50	4.5	13.4	752	--
14...	1324	80513	80020	20.0	33.0	50	6.60	4.5	13.3	752	--
14...	1326	80513	80020	30.0	33.0	50	6.60	4.5	13.1	752	--
14...	1328	80513	80020	33.0	33.0	50	6.70	4.5	12.6	752	--
FEB											
03...	1100	80513	80020	.00	36.0	49	7.30	8.0	12.6	750	.43
03...	1102	80513	80020	5.00	36.0	49	7.10	7.0	12.3	750	--
03...	1104	80513	80020	10.0	36.0	50	7.10	6.0	12.0	750	--
03...	1106	80513	80020	20.0	36.0	50	7.00	5.5	11.9	750	--
03...	1108	80513	80020	30.0	36.0	50	7.00	5.5	11.8	750	--
03...	1110	80513	80020	36.0	36.0	50	6.90	5.0	11.7	750	--
MAR											
11...	0900	80513	80020	.00	33.0	48	6.90	12.0	10.5	751	.30
11...	0902	80513	80020	10.0	33.0	48	6.90	12.0	10.4	751	--
11...	0904	80513	80020	20.0	33.0	49	6.90	12.0	10.4	751	--
11...	0906	80513	80020	30.0	33.0	48	6.90	12.0	10.3	751	--
11...	0910	80513	80020	33.0	33.0	48	6.90	12.0	10.3	751	--
APR											
14...	1145	80513	80020	.00	32.0	60	6.90	19.0	8.8	753	.03
14...	1146	80513	80020	10.0	32.0	60	6.90	19.0	8.0	753	--
14...	1148	80513	80020	20.0	32.0	60	6.90	18.0	7.5	753	--
14...	1150	80513	80020	30.0	32.0	60	6.60	18.0	6.3	753	--
14...	1152	80513	80020	32.0	32.0	60	6.40	17.5	6.3	753	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE (00027)	AGENCY ANA- LYZING SAMPLE (CODE (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)
MAY								
15...	1215	80513	80020	.00	35.0	51	6.70	23.0
15...	1216	80513	80020	3.00	35.0	52	6.60	23.0
15...	1220	80513	80020	7.00	35.0	51	6.60	22.0
15...	1222	80513	80020	10.0	35.0	52	6.60	22.0
15...	1224	80513	80020	20.0	35.0	53	6.40	21.0
15...	1226	80513	80020	22.0	35.0	56	6.40	20.0
15...	1230	80513	80020	28.0	35.0	56	6.30	19.0
15...	1232	80513	80020	30.0	35.0	55	6.30	19.0
15...	1235	80513	80020	35.0	35.0	56	6.30	19.0

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	BARO- METRIC PRES- SURE (MM HG) (00025)	TRANS- PAR- ENCY (DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- GOBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
MAY								
15...	1215	8.1	758	.21	K11	--	--	--
15...	1216	7.5	758	--	--	--	--	--
15...	1220	6.8	758	--	--	100	40	1.5
15...	1222	6.6	758	--	--	--	--	--
15...	1224	4.9	758	--	--	--	--	--
15...	1226	3.7	758	--	--	--	--	--
15...	1230	3.3	758	--	--	100	70	1.8
15...	1232	3.2	758	--	--	--	--	--
15...	1235	2.9	758	--	--	--	--	--

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LINEITY 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									
15...	1216	--	--	--	.060	.020	4.50	.300	
15...	1220	12	12	.10	.060	.030	--	--	
15..	1230	14	14	.10	.080	.050	--	--	
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									
09..	1100	80513	80020	.00	47.0	53	6.40	24.0	5.9
09...	1101	80513	80020	3.00	47.0	52	6.40	23.5	5.5
09...	1104	80513	80020	10.0	47.0	53	6.30	23.0	4.4
09...	1106	80513	80020	20.0	47.0	57	6.20	22.0	2.1
09...	1108	80513	80020	30.0	47.0	58	6.10	21.0	1.0
09...	1110	80513	80020	40.0	47.0	59	6.10	20.0	.8
09...	1112	80513	80020	47.0	47.0	63	6.20	19.5	.7
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									
09...	1100	749	.36	--	--	--	--	--	
09...	1101	749	--	<.10	.070	.010	16.0	.800	
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									
15...	1200	80513	80020	.00	33.0	64	7.80	31.0	8.3
15...	1201	80513	80020	3.00	33.0	64	7.70	31.0	8.0
15...	1202	80513	80020	10.0	33.0	64	7.20	30.0	6.8
15...	1204	80513	80020	15.0	33.0	68	6.70	29.0	3.9
15...	1206	80513	80020	18.0	33.0	75	6.50	27.5	1.1
15...	1208	80513	80020	20.0	33.0	81	6.50	26.5	.6
15...	1210	80513	80020	22.0	33.0	85	6.50	25.5	.5
15...	1212	80513	80020	25.0	33.0	83	6.50	25.5	.5
15..	1214	80513	80020	27.0	33.0	83	6.40	25.0	.5
15...	1216	80513	80020	30.0	33.0	86	6.40	25.0	.4
15...	1218	80513	80020	33.0	33.0	88	6.40	24.5	.4
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									
15...	1200	760	.36	--	--	--	--	--	
15...	1201	760	--	<.10	.050	.020	30.0	3.80	

ARKANSAS RIVER BASIN

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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								
21...	1530	80513	80020	.00	40.0	64	7.20	28.0
21...	1531	80513	80020	3.00	40.0	64	6.90	27.5
21...	1535	80513	80020	8.00	40.0	65	6.60	27.0
21...	1536	80513	80020	10.0	40.0	67	6.50	26.5
21...	1538	80513	80020	20.0	40.0	67	6.50	26.0
21...	1540	80513	80020	30.0	40.0	66	6.60	25.5
21...	1545	80513	80020	32.0	40.0	68	6.50	25.5
21...	1548	80513	80020	40.0	40.0	75	6.50	25.5

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	BARO- METRIC PRES- SURE (MM 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								
21...	1530	6.2	755	.46	3	--	--	--
21...	1535	3.5	755	--	--	50	18	1.0
21...	1545	2.5	755	--	--	80	30	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)
AUG								
21...	1531	--	--	--	.050	.020	6.60	.300
21...	1535	12	18	.20	.040	.020	--	--
21...	1545	14	19	.20	.050	.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)
SEP								
10...	1045	80513	80020	.00	39.0	67	7.00	24.5
10...	1046	80513	80020	3.00	39.0	67	7.00	23.5
10...	1048	80513	80020	10.0	39.0	68	6.90	23.5
10...	1050	80513	80020	20.0	39.0	68	6.80	23.5
10...	1052	80513	80020	30.0	39.0	70	6.80	23.5
10...	1054	80513	80020	39.0	39.0	72	6.70	23.5

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	BARO- METRIC PRES- SURE (MM HG) (00025)	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)
SEP								
10...	1045	7.6	751	--	--	--	--	--
10...	1046	7.0	751	.10	.060	.020	11.0	.700
10...	1048	6.6	751	--	--	--	--	--
10...	1050	6.1	751	--	--	--	--	--
10...	1052	5.6	751	--	--	--	--	--
10...	1054	5.1	751	--	--	--	--	--

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 mi².

PERIOD OF RECORD.--October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	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)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
OCT, 1985										
16...	1145	80513	80020	65	7.00	19.0	8.4	90	763	--
NOV										
18...	1130	80513	80020	66	6.80	15.0	10.0	100	755	--
DEC										
12...	1230	80513	80020	40	6.90	7.5	12.8	108	757	120
JAN, 1986										
14...	1300	80513	80020	51	6.40	5.0	13.5	107	753	--
FEB										
03...	1030	80513	80020	49	7.00	7.0	12.2	102	750	--
MAR										
11...	0835	80513	80020	48	6.90	12.0	10.7	101	751	--
APR										
14...	1230	80513	80020	60	7.00	19.0	9.2	100	753	--
MAY										
15...	1145	80513	80020	54	6.60	21.0	8.2	94	748	100
JUN										
09...	1135	80513	80020	57	6.50	22.0	8.6	100	748	--
JUL										
15...	1130	80513	80020	69	6.60	29.0	7.3	95	760	--
AUG										
21...	1615	80513	80020	66	6.70	27.0	6.4	81	755	20
SEP										
10...	1115	80513	80020	66	7.10	24.0	8.2	99	753	--
		TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKA- LINITY FIELD (MG/L AS CAC03) (00410)	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)	
DEC, 1985										
12...	1230	40	.8	24	12	--	.20	.060	.030	
MAY, 1986										
15...	1145	60	1.6	1000	19	.00	.20	.090	.040	
AUG, 1986										
21...	1615	31	1.2	86	18	--	.20	.050	.030	

ARKANSAS RIVER BASIN

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
08...	1315	9827	9827	.00	7.69	17.0	15	9.5	6.2
29...	1310	9827	9827	24	7.10	16.0	15	4.5	1.8
NOV									
26...	1400	9827	9827	511	6.92	15.0	35	8.5	--
JAN, 1986									
14...	1245	9827	9827	12	6.89	--	15	12.2	.6
FEB									
18...	1305	9827	9827	100	7.01	13.0	9.0	10.5	.8
MAR									
12...	1340	9827	9827	100	7.17	14.0	5.0	10.0	2.0
APR									
08...	1300	9827	9827	681	6.69	18.0	70	8.1	3.2
MAY									
27...	1355	9827	9827	58	7.18	20.0	15	8.1	1.0
JUN									
10...	1315	9827	9827	369	7.10	23.0	40	8.4	--
JUL									
08...	1400	9827	9827	8.0	--	29.0	--	5.2	2.8
AUG									
12...	1410	9827	9827	8.0	7.54	26.0	7.0	--	--
SEP									
09...	1345	9827	9827	5.0	--	28.0	10	4.8	2.2
DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
08...	1315	24	58	5.0	22	105	12	--	.050
29...	1310	570	30	5.0	6.5	52	10	.17	.160
NOV									
26...	1400	3000	20	--	--	72	30	.82	.060
JAN, 1986									
14...	1245	8	24	9.0	6.0	59	4	.98	.070
FEB									
18...	1305	200	18	8.0	6.5	44	6	.93	.060
MAR									
12...	1340	72	24	--	--	57	6	.63	.030
APR									
08...	1300	800	14	8.0	3.5	70	104	.25	.010
MAY									
27...	1355	84	16	8.0	5.0	53	12	.53	.040
JUN									
10...	1315	410	14	7.0	3.5	66	23	--	.020
JUL									
08...	1400	84	--	6.0	--	65	13	.26	--
AUG									
12...	1410	--	36	10	9.5	92	14	.26	.110
SEP									
09...	1345	190	26	--	5.5	68	10	.27	.100

07260020 DUTCH CREEK AT SHARK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
08...	1315	.120	.050	1	1	<15	1	--	10
29...	1310	.100	.050	2	1	<15	3	--	30
NOV									
26...	1400	.170	.040	--	1	<15	3	--	110
JAN, 1986									
14...	1245	.090	.060	1	2	<15	<1	<.50	50
FEB									
18...	1305	.060	.020	1	3	<15	3	--	<10
MAR									
12...	1340	.080	<.010	1	<1	<15	3	--	40
APR									
08...	1300	.160	.080	1	3	<15	4	--	10
MAY									
27...	1355	.090	.070	<1	<1	<15	<1	--	20
JUN									
10...	1315	.090	.060	<1	2	<15	--	--	<10
JUL									
08...	1400	.100	--	2	1	<15	1	--	10
AUG									
12...	1410	.070	--	--	<1	<15	2	--	10
SEP									
09...	1345	--	.040	--	<1	<15	<1	--	<10

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 mi².

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.--No estimated daily discharges. Records good. Flow regulated since March 1947 by Blue Mountain Lake, 25.6 mi upstream, capacity, 257,900 acre-ft. Satellite telemeter at station.

AVERAGE DISCHARGE.--70 years, 822 ft³/s, 595,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,800 ft³/s Apr. 17, 1939, gage height, 31.82 ft; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,900 ft³/s Nov. 27, gage height, 25.46 ft; minimum, 5.2 ft³/s Oct. 13, 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	165	3030	944	66	1260	154	1690	168	1270	14	15
2	6.8	152	2670	455	64	1210	154	1210	277	1460	57	17
3	6.8	113	2350	399	242	1170	156	1460	337	420	67	19
4	6.8	91	2610	389	2880	1100	213	1570	986	232	54	22
5	6.7	78	2800	371	2930	1010	1640	1570	1370	136	38	22
6	6.6	69	2780	252	3590	523	1900	1240	2660	117	36	25
7	7.5	64	2770	123	4290	369	810	1040	1450	117	61	29
8	7.4	55	2770	55	2870	166	2150	1020	2150	98	103	28
9	6.3	47	2750	53	2480	81	1790	624	1820	46	366	25
10	5.5	48	2740	50	2940	61	1500	383	1440	38	253	27
11	5.5	50	3210	66	2450	64	1460	786	1920	29	180	37
12	5.5	50	3140	81	2020	363	1720	460	2340	35	299	35
13	5.5	50	3060	82	1870	445	1830	354	1920	41	332	47
14	9.7	48	3080	95	1760	753	1690	226	1870	41	307	59
15	40	59	3060	105	1790	758	1020	876	1840	43	141	63
16	21	247	3020	101	1720	721	1210	1140	1740	51	112	107
17	16	261	2950	167	1670	692	1190	1920	1850	34	77	112
18	32	567	2860	207	1610	695	1120	2510	1870	24	118	101
19	88	596	2900	198	1590	753	1490	1470	1770	38	132	85
20	88	382	2890	178	1730	561	4440	1780	1290	47	121	74
21	67	270	2820	171	1840	399	4800	1870	1020	44	117	70
22	47	204	2740	261	1820	334	2240	1660	974	36	117	52
23	36	164	2640	280	1780	181	1880	1790	775	27	95	28
24	32	136	1930	270	1770	140	1690	1790	525	31	49	24
25	34	118	1710	265	1950	174	1760	1730	331	15	46	24
26	34	671	1580	258	1950	184	1850	1660	243	12	43	24
27	34	8290	1490	246	1850	178	1890	1480	158	17	30	22
28	38	12500	1430	167	1380	170	1850	1050	115	23	28	23
29	45	4990	1390	114	---	166	1820	1060	122	13	23	22
30	60	2750	1360	94	---	162	1740	525	152	6.9	16	25
31	124	---	1240	77	---	157	---	210	---	11	15	--
TOTAL	929.4	33285	77770	6574	54902	15000	49157	38154	35483	4552.9	3447	1263
MEAN	30.0	1110	2509	212	1961	484	1639	1231	1183	147	111	42.1
MAX	124	12500	3210	944	4290	1260	4800	2510	2660	1460	366	112
MIN	5.5	47	1240	50	64	61	154	210	115	6.9	14	15
AC-FT	1840	66020	154300	13040	108900	29750	97500	75680	70380	9030	6840	2510

CAL YR 1985 TOTAL 458294.10 MEAN 1256 MAX 12500 MIN .90 AC-FT 909000
WTR YR 1986 TOTAL 320517.30 MEAN 878 MAX 12500 MIN 5.5 AC-FT 635700

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
08...	1235	9827	9827	.00	7.28	17.0	30	4.8	2.1
29...	1230	9827	9827	.00	7.14	17.0	25	4.0	2.3
NOV									
26...	1320	9827	9827	11	6.74	14.0	30	8.1	--
JAN, 1986									
14...	1145	9827	9827	.00	6.81	--	15	12.2	.5
FEB									
18...	1230	9827	9827	--	6.76	12.0	8.0	10.7	.7
MAR									
12...	1310	9827	9827	11	7.04	13.0	10	10.4	1.1
APR									
08...	1220	9827	9827	159	6.92	18.0	90	8.8	2.6
MAY									
27...	1300	9827	9827	29	7.09	19.0	15	8.5	.6
JUN									
10...	1240	9827	9827	--	7.00	22.0	20	7.8	.7
JUL									
08...	1320	9827	9827	--	7.00	29.0	--	4.4	2.7
AUG									
12...	1335	9827	9827	1.0	7.59	25.0	10	--	--
SEP									
09...	1305	9827	9827	.70	--	24.0	25	5.3	>5.3
DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
08...	1235	250	76	5.0	16	111	28	--	.290
29...	1230	<10	54	2.0	20	117	26	.13	.180
NOV									
26...	1320	1200	26	--	--	37	31	.46	.050
JAN, 1986									
14...	1145	12	18	9.0	6.0	49	8	.89	.050
FEB									
18...	1230	75	14	8.0	7.0	47	7	.71	.050
MAR									
12...	1310	440	20	--	8.5	46	7	.53	.020
APR									
08...	1220	2900	18	9.0	3.5	72	84	.21	.050
MAY									
27...	1300	340	12	8.0	4.0	48	9	.34	.040
JUN									
10...	1240	490	14	7.0	4.0	71	6	--	.010
JUL									
08...	1320	48	--	4.0	--	71	17	.13	--
AUG									
12...	1335	--	64	10	6.5	101	17	.05	.140
SEP									
09...	1305	24	58	--	6.5	85	25	.14	.110

ARKANSAS RIVER BASIN

07260620 CHICKALAH CREEK NEAR CHICKALAH, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
08...	1235	.090	.050	<1	1	<15	2	--	10
29...	1230	.120	.040	1	2	<15	2	--	30
NOV									
26...	1320	.120	.010	--	<1	<15	2	--	150
JAN, 1986									
14...	1145	.050	.040	1	2	17	<1	<.50	40
FEB									
18...	1230	.120	.020	1	2	<15	3	--	<10
MAR									
12...	1310	.060	.010	1	<1	<15	3	--	40
APR									
08...	1220	.140	.090	<1	3	<15	4	--	10
MAY									
27...	1300	.060	.020	1	<1	<15	1	--	10
JUN									
10...	1240	.080	.050	3	1	<15	--	--	<10
JUL									
08...	1320	.100	--	1	1	<15	1	--	10
AUG									
12...	1335	.080	--	--	<1	<15	2	--	10
SEP									
09...	1305	--	.030	--	<1	<15	3	--	<10

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 mi², of which 22,241 mi² 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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)
OCT, 1985											
08...	0840	9827	9827	32000	8.16	18.0	20	8.7	1.0	8	150
29...	0900	9827	9827	87200	8.24	18.0	60	9.1	.8	30	130
NOV											
26...	0925	9827	9827	136000	7.72	15.0	85	11.0	--	60	92
JAN, 1986											
14...	0850	9827	9827	35200	7.85	5.0	35	12.5	.8	<4	140
FEB											
18...	0855	9827	9827	48100	8.66	8.0	20	13.9	4.3	10	100
MAR											
12...	0900	9827	9827	39500	8.64	11.0	7.0	9.4	2.2	<4	120
APR											
08...	0850	9827	9827	111000	7.86	19.0	45	9.4	2.3	140	110
MAY											
27...	0930	9827	9827	116000	7.89	22.0	60	8.9	1.4	32	130
JUN											
10...	0900	9827	9827	90500	7.95	25.0	55	8.0	1.9	50	130
JUL											
08...	0915	9827	9827	26400	8.03	30.0	--	6.6	1.4	8	140
AUG											
12...	0945	9827	9827	31800	8.59	28.0	20	--	--	24	160
SEP											
09...	0920	9827	9827	2020	--	25.0	7.5	6.7	>6.7	<4	160
DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)
OCT, 1985											
08...	0840	46	73	199	18	--	.080	.100	.090	2	<1
29...	0900	43	150	394	48	.76	.030	.160	.120	2	3
NOV											
26...	0925	--	--	204	69	.41	.090	.210	.090	--	3
JAN, 1986											
14...	0850	50	100	369	18	.64	.110	.140	.110	1	5
FEB											
18...	0855	40	87	286	24	.11	.070	.120	.010	1	1
MAR											
12...	0900	--	82	304	12	.33	.180	.080	.020	5	1
APR											
08...	0850	39	72	280	54	.42	.090	.150	.080	1	2
MAY											
27...	0930	41	78	323	56	.52	.060	.140	.080	4	5
JUN											
10...	0900	42	61	282	52	--	.050	.160	.100	1	3
JUL											
08...	0915	44	110	379	14	.24	--	.090	--	1	<1
AUG											
12...	0945	58	190	440	20	.22	.020	.100	.070	--	<1
SEP											
09...	0920	--	120	419	17	.15	.100	--	.110	--	<1

ARKANSAS RIVER BASIN

07260660 ARKANSAS RIVER AT DAM NO. 9, NEAR OPPELO ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)
OCT, 1985											
08...	0840	<15	2	--	<10	--	--	--	--	--	--
29...	0900	<15	6	--	40	--	--	--	--	--	--
NOV											
26...	0925	<15	9	--	100	<.002	<.01	--	<.002	<.01	<.01
JAN, 1986											
14...	0850	<15	5	<.50	60	<.002	<.01	<.01	<.002	<.01	<.01
FEB											
18...	0855	<15	2	--	10	--	--	--	--	--	--
MAR											
12...	0900	<15	2	--	60	--	--	--	--	--	--
APR											
08...	0850	<15	3	--	10	--	--	--	--	--	--
MAY											
27...	0930	<15	6	--	30	<.002	<.01	--	<.002	<.01	<.01
JUN											
10...	0900	<15	--	--	<10	--	--	--	--	--	--
JUL											
08...	0915	<15	<1	--	10	--	--	--	--	--	--
AUG											
12...	0945	<15	3	--	10	<.002	<.01	--	<.002	<.01	<.01
SEP											
09...	0920	<15	3	--	<10	--	--	--	--	--	--

DATE	TIME	P,P' DDT, TOTAL (UG/L) (39300)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
NOV, 1985										
26...	0925	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
JAN, 1986										
14...	0850	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
MAY										
27...	0930	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
AUG										
12...	0945	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985									
08...	0925	9827	9827	7.71	15.0	110	2.4	14	390
29...	0930	9827	9827	7.81	15.0	35	6.3	--	460
NOV									
26...	1010	9827	9827	7.40	15.0	25	3.5	--	820
JAN, 1986									
14...	0930	9827	9827	6.90	5.0	30	5.9	30	800
FEB									
18...	0935	9827	9827	7.58	10.0	20	11.8	22	730
MAR									
12...	0945	9827	9827	7.24	11.0	30	7.8	18	6800
APR									
08...	0930	9827	9827	6.64	19.0	75	7.2	8.8	8300
MAY									
27...	1015	9827	9827	7.71	20.0	30	9.4	14	1500
JUN									
10...	0940	9827	9827	7.41	25.0	40	7.8	6.3	16000
JUL									
08...	1005	9827	9827	--	28.0	--	13.1	49	<20
AUG									
12...	1030	9827	9827	8.56	25.0	80	--	--	--
SEP									
09...	1005	9827	9827	--	21.0	30	4.5	13	230

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985									
08...	0925	210	15	3000	4750	41	--	1.50	3.90
29...	0930	190	11	2800	4620	156	.12	1.50	3.85
NOV									
26...	1010	170	--	--	4190	74	.09	.520	4.20
JAN, 1986									
14...	0930	130	29	1400	2010	64	.01	.060	1.75
FEB									
18...	0935	66	22	30	995	65	.01	.040	1.25
MAR									
12...	0945	58	--	600	686	48	.30	.030	.860
APR									
08...	0930	24	11	18	111	88	.20	.050	.320
MAY									
27...	1015	64	20	500	895	48	.05	.070	1.20
JUN									
10...	0940	42	15	250	434	36	--	.010	.650
JUL									
08...	1005	--	22	--	2460	306	.02	--	4.25
AUG									
12...	1030	140	24	1400	2530	165	.06	1.30	5.90
SEP									
09...	1005	120	--	900	1910	46	.12	9.00	--

ARKANSAS RIVER BASIN

07260675 WHITE OAK CREEK NEAR ATKINS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985								
08...	0925	2.20	1	<1	16	--	--	30
29...	0930	1.95	12	1	<15	36	--	40
NOV								
26...	1010	1.70	--	<1	<15	90	--	100
JAN, 1986								
14...	0930	.640	1	5	<15	29	<.50	60
FEB								
18...	0935	.400	1	1	<15	4	--	10
MAR								
12...	0945	.340	<1	1	<15	6	--	50
APR								
08...	0930	.150	1	2	<15	4	--	20
MAY								
27...	1015	.690	2	1	<15	1	--	30
JUN								
10...	0940	.340	1	2	<15	--	--	10
JUL								
08...	1005	--	1	1	<15	<1	--	10
AUG								
12...	1030	--	--	<1	<15	5	--	20
SEP								
09...	1005	3.00	--	<1	<15	16	--	<10

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.

PERIOD OF RECORD.--October 1954 to current year. Prior to October 1965, published as "North Fork Cadron Creek near Guy."

GAGE.--Water-stage recorder. Datum of gage is 371.68 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: July 3-8, and July 19 to Sept. 8. Records good except for estimated daily discharges, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,200 ft³/s Dec. 4, 1982, gage height, 29.29 ft, from rating curve extended above 19,000 ft³/s; no flow at times.

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 27	1930	*9,710	*16.90	Apr. 8	1330	4,330	10.96
Dec. 11	1545	5,020	11.66				

No flow Sept. 29-30.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	264	951	74	34	58	104	350	80	24	.30	2.3
2	5.1	182	694	69	34	56	102	407	87	22	5.0	2.2
3	3.5	115	487	67	37	55	97	253	93	18	3.0	2.1
4	2.3	85	395	65	58	54	135	199	90	15	2.0	2.0
5	1.9	71	332	62	128	54	773	168	144	12	1.0	5.0
6	1.5	63	271	60	264	50	703	147	314	10	2.0	4.0
7	1.1	57	223	59	573	48	464	131	221	8.0	1.5	3.0
8	.92	49	196	56	643	47	2680	119	169	6.5	5.0	2.3
9	.83	45	179	53	591	49	1460	115	169	5.7	15	1.5
10	1.6	39	177	51	441	54	837	135	246	5.8	20	1.3
11	2.0	38	3130	53	338	71	587	763	351	4.5	12	1.8
12	2.0	37	1900	53	276	1220	445	639	267	3.6	8.0	2.1
13	3.0	39	1030	50	230	824	348	394	199	3.1	6.0	.93
14	6.3	38	685	48	208	665	305	284	167	2.4	5.5	.41
15	6.0	42	521	47	187	718	273	294	139	1.8	5.0	.43
16	5.1	81	427	47	162	512	210	309	119	1.4	15	.65
17	5.0	150	346	47	152	401	185	292	102	.77	16	.57
18	5.2	424	286	47	135	381	167	551	87	.69	10	.75
19	7.3	394	244	49	120	656	270	425	76	.60	8.0	1.2
20	14	295	213	53	107	458	1120	316	67	.50	7.0	1.2
21	48	201	184	51	95	354	1160	242	60	1.0	6.0	.69
22	52	160	168	47	81	296	680	203	55	.60	5.0	.54
23	42	139	152	45	76	258	479	179	50	.30	4.0	.40
24	36	128	135	40	73	217	366	166	75	.25	3.5	.35
25	29	112	113	39	69	189	287	169	73	.20	3.0	.27
26	24	169	96	39	67	168	230	164	54	.18	2.7	.12
27	20	6890	94	39	64	152	193	146	41	.16	2.5	.07
28	18	3010	89	37	61	136	203	129	34	.15	5.0	.02
29	17	1240	85	35	---	129	179	124	30	1.0	4.0	.00
30	18	865	80	36	---	121	151	105	28	.50	3.0	.00
31	90	---	78	35	---	109	---	89	---	.20	2.5	---
TOTAL	476.65	15422	13961	1553	5304	8560	15193	8007	3687	150.90	188.50	38.20
MEAN	15.4	514	450	50.1	189	276	506	258	123	4.87	6.08	1.27
MAX	90	6890	3130	74	643	1220	2680	763	351	24	20	5.0
MIN	.83	37	78	35	34	47	97	89	28	.15	.30	.00
CFSM	.09	3.04	2.66	.30	1.12	1.63	2.99	1.53	.73	.03	.04	.01
IN.	.10	3.39	3.07	.34	1.17	1.88	3.34	1.76	.81	.03	.04	.01
AC-FT	945	30590	27690	3080	10520	16980	30140	15880	7310	299	374	76
CAL YR 1985	TOTAL	87645.32	MEAN	240	MAX	6890	MIN	.00	CFSM			

ARKANSAS RIVER BASIN

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 mi², of which 22,421 mi² 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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, UM-MF (COLS./100 ML) (31616)	HARD-NESS (MG/L AS CaCO3) (00900)
OCT, 1985											
01...	1235	9827	9827	29500	--	18.0	--	--	--	<10	--
08...	0830	9827	9827	28100	8.15	18.0	20	9.0	1.1	4	150
30...	0815	9827	9827	98200	7.89	17.0	55	9.7	1.2	20	130
NOV											
26...	0845	9827	9827	144000	7.62	12.0	70	10.7	--	390	82
JAN, 1986											
14...	1540	9827	9827	32500	7.79	--	30	12.6	.6	16	130
FEB											
18...	0830	9827	9827	49400	8.71	9.0	20	13.7	3.6	20	100
MAR											
12...	0850	9827	9827	30300	8.37	13.0	15	9.2	2.0	340	110
APR											
08...	1600	9827	9827	108000	7.78	19.0	45	9.4	2.2	180	100
MAY											
28...	0840	9827	9827	104000	7.93	22.0	60	8.9	1.0	20	140
JUN											
11...	0840	9827	9827	89800	7.74	26.0	60	7.4	1.3	170	100
JUL											
08...	1715	9827	9827	26500	8.10	30.0	--	8.1	1.8	28	130
AUG											
12...	1710	9827	9827	28800	8.62	29.0	10	--	--	>600	160
SEP											
09...	1635	9827	9827	1790	--	27.0	5.0	8.2	2.0	<4	160
DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT, 1985											
08...	0830	49	77	313	22	--	.050	.090	.090	1	<1
30...	0815	42	130	386	49	.76	.030	.160	.120	1	4
NOV											
26...	0845	--	--	168	68	.44	.090	.200	.090	--	3
JAN, 1986											
14...	1540	46	100	364	18	.64	.120	.150	.100	2	8
FEB											
18...	0830	35	83	278	24	.14	.040	.110	.020	5	6
MAR											
12...	0850	--	70	262	18	.17	.180	.090	.040	1	1
APR											
08...	1600	34	20	263	50	.41	.070	.140	.080	1	2
MAY											
28...	0840	45	95	340	55	.58	.080	.110	.080	1	5
JUN											
11...	0840	38	57	272	65	--	.050	.190	.100	1	3
JUL											
08...	1715	<1.0	100	361	11	.21	--	.080	--	2	1
AUG											
12...	1710	57	170	440	17	.18	.010	.040	.060	--	<1
SEP											
09...	1635	--	110	402	8	.14	.060	--	.180	--	<1

07261260 ARK RIVER AT TOAD SUCK FERRY DAM NEAR CONWAY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)	LINDANE TOTAL (UG/L) (39340)	P, P' DDD, TOTAL (UG/L) (39310)	P, P' DDE, TOTAL (UG/L) (39320)
OCT, 1985											
08...	0830	<15	1	--	20	--	--	--	--	--	--
30...	0815	<15	4	--	40	--	--	--	--	--	--
NOV											
26...	0845	<15	5	--	170	--	--	--	--	--	--
JAN, 1986											
14...	1540	<15	4	<.50	60	<.002	<.01	<.01	<.002	<.01	<.01
FEB											
18...	0830	19	3	--	10	--	--	--	--	--	--
MAR											
12...	0850	<15	3	--	50	--	--	--	--	--	--
APR											
08...	1600	<15	3	--	10	--	--	--	--	--	--
MAY											
28...	0840	<15	3	--	30	--	--	--	--	--	--
JUN											
11...	0840	<15	--	--	<10	<.002	<.01	--	<.002	<.01	<.01
JUL											
08...	1715	<15	1	--	10	--	--	--	--	--	--
AUG											
12...	1710	<15	1	--	10	<.002	<.01	--	<.002	<.01	<.01
SEP											
09...	1635	<15	2	--	<10	--	--	--	--	--	--
DATE	TIME	P, P' DDT, TOTAL (UG/L) (39300)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	
JAN, 1986											
14...	1540	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1	
JUN											
11...	0840	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1	
AUG											
12...	1710	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1	

ARKANSAS RIVER BASIN

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 mi².

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.--Estimated daily discharges: Feb. 7-24. Water-discharge records good except for estimated daily discharges, which are fair. Satellite telemeter at station.

AVERAGE DISCHARGE.--47 years, 542 ft³/s, 17.95 in/yr, 392,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft³/s Dec. 3, 1982, gage height, 32.45 ft, from floodmarks, from rating curve extended above 47,000 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 27	1300	*45,600	*28.08	June 6	0100	11,700	15.89
Apr. 20	1200	22,400	22.66	June 8	0200	11,200	15.54

Minimum discharge, 0.48 ft³/s Oct. 9, 10, 11, 12, 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	1.5	782	1650	151	80	149	111	359	207	736	8.4	13		
2	1.2	519	1680	142	78	140	118	1260	211	514	10	17		
3	1.0	340	1370	134	198	132	112	838	1380	396	9.5	19		
4	.98	242	1070	126	4960	124	370	579	1980	303	7.7	20		
5	.92	182	866	117	2300	115	4530	448	3210	254	6.8	24		
6	.73	143	709	111	4000	107	2250	372	6180	206	7.3	31		
7	.61	118	597	105	2700	100	1370	327	3200	178	8.3	87		
8	.58	99	515	99	1700	94	1480	285	6130	148	13	54		
9	.52	82	451	95	1200	90	1080	245	4950	128	14	36		
10	.48	68	412	91	980	91	776	221	2360	106	14	29		
11	.48	58	2220	87	820	92	608	337	2780	90	30	44		
12	.49	50	2360	82	690	426	591	355	2000	76	42	71		
13	.49	43	1490	78	590	597	576	297	1270	63	29	68		
14	.91	36	1100	74	510	483	527	233	882	52	23	61		
15	1.3	43	877	73	480	387	663	984	666	44	17	75		
16	1.4	870	751	70	440	347	587	1710	527	38	43	146		
17	1.6	968	644	76	400	324	475	2930	427	31	43	95		
18	5.3	1950	555	79	370	315	408	4410	353	26	60	95		
19	6.7	1590	482	109	340	352	2780	3550	293	23	64	69		
20	5.6	1170	427	159	300	328	15700	1830	248	20	62	48		
21	4.4	910	386	164	280	283	3290	1230	212	22	44	41		
22	3.2	671	352	151	260	250	1880	890	183	19	32	36		
23	3.8	528	323	136	240	225	1350	682	159	14	26	29		
24	10	430	293	123	220	205	1020	553	642	13	23	27		
25	20	365	261	113	211	186	788	555	523	11	20	26		
26	17	998	233	106	193	171	623	560	387	11	18	24		
27	15	32500	213	100	178	157	517	437	421	9.8	16	23		
28	16	8220	197	94	162	146	482	362	3120	9.6	14	21		
29	71	2230	183	91	---	136	467	308	4000	9.9	13	19		
30	616	1500	170	87	---	127	378	266	1260	9.5	12	18		
31	608	---	160	83	---	117	---	228	---	8.5	11	---		
TOTAL	1417.19	57705	22997	3306	24880	6796	45907	27641	50161	3569.3	741.0	1366		
MEAN	45.7	1924	742	107	889	219	1530	892	1672	115	23.9	45.5		
MAX	616	32500	2360	164	4960	597	15700	4410	6180	736	64	146		
MIN	.48	36	160	70	78	90	111	221	159	8.5	6.8	13		
CFSM	.11	4.69	1.81	.26	2.17	.53	3.73	2.18	4.08	.28	.06	.11		
IN.	.13	5.24	2.09	.30	2.26	.62	4.17	2.51	4.55	.32	.07	.12		
AC-FT	2810	114500	45610	6560	49350	13480	91060	54830	99490	7080	1470	2710		
CAL YR 1985	TOTAL	251273.20	MEAN	688	MAX	32500	MIN	.48	CFSM	1.68	IN.	22.80	AC-FT	498400
WTR YR 1986	TOTAL	246486.49	MEAN	675	MAX	32500	MIN	.48	CFSM	1.65	IN.	22.36	AC-FT	488900

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985										
08...	1410	9827	9827	--	.58	7.55	19.0	3.4	8.2	1.1
29...	1410	9827	9827	--	42	7.29	17.0	3.0	8.5	1.3
NOV										
26...	1455	9827	9827	--	367	7.01	15.0	20	9.6	--
JAN, 1986										
14...	1330	9827	9827	--	75	7.15	--	15	12.7	.5
FEB										
18...	1400	9827	9827	370	--	7.18	12.0	8.0	11.3	.9
MAR										
12...	1420	9827	9827	--	402	7.50	15.0	5.0	10.2	1.0
APR										
08...	1345	9827	9827	--	1640	6.81	19.0	35	8.6	1.8
MAY										
27...	1440	9827	9827	--	424	7.25	21.0	15	9.2	.8
JUN										
10...	1355	9827	9827	--	2200	7.00	22.0	25	8.4	1.0
JUL										
08...	1450	9827	9827	--	145	7.30	30.0	--	8.4	1.5
AUG										
12...	1500	9827	9827	--	37	8.02	29.0	4.0	--	--
SEP										
09...	1425	9827	9827	--	34	--	25.0	3.5	8.2	1.4

DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
08...	1410	24	30	6.0	4.5	42	5	--	.040
29...	1410	64	28	3.0	5.0	53	3	.05	.080
NOV									
26...	1455	750	18	--	--	31	10	.16	.060
JAN, 1986									
14...	1330	4	18	8.0	4.0	40	4	.15	.060
FEB									
18...	1400	100	20	7.0	4.5	42	4	.18	.040
MAR									
12...	1420	28	20	--	4.0	39	4	.07	.020
APR									
08...	1345	700	22	8.0	3.5	50	31	.11	.030
MAY									
27...	1440	52	12	7.0	2.5	44	4	.14	.060
JUN									
10...	1355	240	14	8.0	2.5	58	14	--	.010
JUL									
08...	1450	8	16	5.0	2.0	39	3	.04	--
AUG									
12...	1500	100	16	12	--	49	9	.07	.010
SEP									
09...	1425	20	30	--	2.5	41	4	.17	.040

ARKANSAS RIVER BASIN

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
08...	1410	.030	.040	1	<1	<15	<1	--	20
29...	1410	.060	.040	1	1	<15	2	--	30
NOV									
26...	1455	.100	.010	--	1	<15	<1	--	120
JAN, 1986									
14...	1330	.030	.010	2	2	<15	1	<.50	50
FEB									
18...	1400	.030	.010	4	<1	<15	3	--	10
MAR									
12...	1420	.030	<.010	1	<1	<15	1	--	50
APR									
08...	1345	.100	.070	<1	1	<15	3	--	<10
MAY									
27...	1440	.020	--	<1	<1	<15	<1	--	20
JUN									
10...	1355	.050	.050	1	1	<15	--	--	<10
JUL									
08...	1450	.030	--	3	<1	<15	2	--	20
AUG									
12...	1500	.020	.010	--	<1	<15	2	--	20
SEP									
09...	1425	--	.040	--	<1	<15	<1	--	<10

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 mi².

PERIOD OF RECORD.--October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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											
16...	1000	80513	80020	.00	35.0	36	6.90	20.5	8.0	765	1.00
16...	1002	80513	80020	10.0	35.0	36	6.90	20.5	7.7	765	--
16...	1004	80513	80020	15.0	35.0	36	6.50	19.0	6.0	765	--
16...	1006	80513	80020	20.0	35.0	36	6.50	18.0	5.9	765	--
16...	1008	80513	80020	30.0	35.0	37	6.40	18.0	5.2	765	--
16...	1010	80513	80020	35.0	35.0	37	6.40	18.0	4.5	765	--
NOV											
18...	1000	80513	80020	.00	36.0	40	6.70	16.5	8.7	758	.98
18...	1004	80513	80020	10.0	36.0	41	6.80	16.0	8.7	758	--
18...	1006	80513	80020	20.0	36.0	41	6.80	16.0	8.6	758	--
18...	1008	80513	80020	30.0	36.0	41	6.70	16.0	8.5	758	--
18...	1010	80513	80020	36.0	36.0	42	6.70	16.0	8.2	758	--

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)
DEC									
12...	1000	80513	80020	.00	55.0	24	6.70	9.5	9.2
12...	1001	80513	80020	3.00	55.0	24	6.50	9.5	9.1
12...	1003	80513	80020	10.0	55.0	24	6.50	9.5	9.1
12...	1005	80513	80020	11.0	55.0	24	6.50	9.5	9.1
12...	1007	80513	80020	20.0	55.0	24	6.40	9.5	9.0
12...	1010	80513	80020	30.0	55.0	24	6.40	9.5	9.1
12...	1012	80513	80020	40.0	55.0	24	6.40	9.5	9.0
12...	1015	80513	80020	44.0	55.0	24	6.30	9.5	9.0
12...	1018	80513	80020	50.0	55.0	24	6.30	9.5	9.0
12...	1020	80513	80020	55.0	55.0	24	6.30	9.5	9.0

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 AS CACO3 (00900)
DEC								
12...	1000	762	.36	15	--	--	--	--
12...	1005	762	--	--	70	20	1.2	8
12...	1015	762	--	--	80	21	1.2	8

DATE	TIME	ALKA- LITY 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)	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)
DEC								
12...	1001	--	.10	.040	.020	.12	.400	<.100
12...	1005	7	.10	.040	.020	.12	--	--
12...	1015	7	.10	.030	.020	.09	--	--

ARKANSAS RIVER BASIN

07262000 NIMROD LAKE NEAR NIMROD, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE (00027)	AGENCY ANA- LYZING SAMPLE (CODE (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 HG) (00025)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JAN											
14...	0915	80513	80020	.00	36.0	30	6.60	4.5	12.3	754	.64
14...	0917	80513	80020	10.0	36.0	30	6.40	4.5	11.5	754	--
14...	0920	80513	80020	20.0	36.0	30	6.40	4.5	11.1	754	--
14...	0923	80513	80020	30.0	36.0	29	6.40	4.5	10.9	754	--
14...	0925	80513	80020	36.0	36.0	30	6.30	4.5	10.7	754	--
FEB											
03...	0900	80513	80020	.00	35.0	31	7.10	10.0	12.0	751	.73
03...	0902	80513	80020	5.00	35.0	31	7.00	9.0	11.8	751	--
03...	0904	80513	80020	10.0	35.0	31	6.90	8.0	11.6	751	--
03...	0906	80513	80020	20.0	35.0	30	6.80	7.0	11.4	751	--
03...	0908	80513	80020	30.0	35.0	31	6.80	6.0	11.1	751	--
03...	0910	80513	80020	35.0	35.0	31	6.80	6.0	10.8	751	--
MAR											
11...	0730	80513	80020	.00	31.0	29	6.60	13.0	10.4	752	.79
11...	0732	80513	80020	10.0	31.0	28	6.60	13.0	10.3	752	--
11...	0734	80513	80020	20.0	31.0	28	6.60	13.0	10.3	752	--
11...	0736	80513	80020	30.0	31.0	28	6.50	12.5	10.3	752	--
11...	0740	80513	80020	31.0	31.0	28	6.50	12.5	10.3	752	--
APR											
14...	1030	80513	80020	.00	43.0	31	6.80	20.5	8.9	753	1.00
14...	1032	80513	80020	10.0	43.0	30	6.80	20.5	8.5	753	--
14...	1034	80513	80020	20.0	43.0	30	6.80	20.5	8.4	753	--
14...	1036	80513	80020	30.0	43.0	30	6.60	20.0	7.6	753	--
14...	1038	80513	80020	32.0	43.0	29	6.40	19.5	6.3	753	--
14...	1040	80513	80020	35.0	43.0	29	6.20	18.5	5.7	753	--
14...	1042	80513	80020	40.0	43.0	30	6.20	17.5	4.9	753	--
14...	1045	80513	80020	43.0	43.0	29	6.10	17.5	4.8	753	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE (00027)	AGENCY ANA- LYZING SAMPLE (CODE (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)
MAY								
19...	0900	80513	80020	.00	45.0	30	6.70	23.5
19...	0901	80513	80020	3.00	45.0	30	6.60	23.5
19...	0905	80513	80020	9.00	45.0	30	6.60	23.5
19...	0906	80513	80020	10.0	45.0	30	6.60	23.5
19...	0908	80513	80020	20.0	45.0	31	6.30	23.0
19...	0910	80513	80020	26.0	45.0	36	6.20	22.0
19...	0912	80513	80020	30.0	45.0	38	6.10	21.5
19...	0915	80513	80020	36.0	45.0	45	6.10	20.5
19...	0916	80513	80020	40.0	45.0	47	6.20	20.0
19...	0918	80513	80020	45.0	45.0	63	6.40	19.0

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	BARO- METRIC PRES- SURE (MM HG) (00025)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM. FECAL, 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								
19...	0900	7.5	753	.50	8	--	--	--
19...	0901	7.2	753	--	--	--	--	--
19...	0905	7.0	753	--	--	40	6.2	2.3
19...	0906	6.9	753	--	--	--	--	--
19...	0908	4.8	753	--	--	--	--	--
19...	0910	2.6	753	--	--	--	--	--
19...	0912	1.8	753	--	--	--	--	--
19...	0915	.5	753	--	--	60	9.0	2.0
19...	0916	.4	753	--	--	--	--	--
19...	0918	.4	753	--	--	--	--	--

07262000 NIMROD LAKE NEAR NIMROD, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LINEITY (MG/L CAC03) (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									
19...	0901	--	--	--	.030	<.010	9.00	1.00	
19...	0905	9	9	<.10	.030	<.010	--	--	
19...	0915	13	15	<.10	.040	.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)	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									
09...	0915	80513	80020	.00	38.0	31	6.00	22.5	4.8
09...	0916	80513	80020	3.00	38.0	31	6.00	22.5	4.6
09...	0920	80513	80020	10.0	38.0	26	6.00	22.5	5.9
09...	0922	80513	80020	20.0	38.0	29	6.00	22.5	4.8
09...	0924	80513	80020	30.0	38.0	25	5.90	21.5	5.2
09...	0926	80513	80020	38.0	38.0	26	5.90	21.0	5.4
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									
09...	0915	749	.55	--	--	--	--	--	
09...	0916	749	--	<.10	.040	.010	10.0	.500	
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									
15...	0930	80513	80020	.00	38.0	34	6.80	30.5	7.8
15...	0931	80513	80020	3.00	38.0	34	6.70	30.5	6.9
15...	0932	80513	80020	10.0	38.0	34	6.50	30.0	5.1
15...	0934	80513	80020	20.0	38.0	36	6.20	29.0	2.8
15...	0936	80513	80020	22.0	38.0	40	6.00	28.0	.6
15...	0938	80513	80020	25.0	38.0	47	6.10	27.0	.6
15...	0940	80513	80020	28.0	38.0	55	6.20	26.0	.5
15...	0942	80513	80020	30.0	38.0	57	6.20	26.0	.5
15...	0945	80513	80020	38.0	38.0	93	6.50	24.0	.5
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									
15...	0930	765	.46	--	--	--	--	--	
15...	0931	765	--	<.10	.060	.020	32.0	3.10	

ARKANSAS RIVER BASIN

07262000 NIMROD LAKE NEAR NIMROD, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		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									
25...	1000	80513	80020	.00	36.0	33	7.00	29.0	
25...	1001	80513	80020	3.00	36.0	32	6.70	29.0	
25...	1005	80513	80020	7.00	36.0	33	6.30	28.0	
25...	1007	80513	80020	10.0	36.0	34	6.30	28.0	
25...	1008	80513	80020	15.0	36.0	34	6.20	27.5	
25...	1010	80513	80020	20.0	36.0	38	6.00	26.5	
25...	1012	80513	80020	29.0	36.0	49	6.00	25.5	
25...	1014	80513	80020	30.0	36.0	49	6.10	25.5	
25...	1016	80513	80020	36.0	36.0	77	6.30	25.0	
		OXYGEN, DIS- SOLVED (MG/L) (00300)	BARO- METRIC PRES- SURE (MM 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									
25...	1000	8.8	757	.98	0	--	--	--	
25...	1001	6.6	757	--	--	--	--	--	
25...	1005	4.4	757	--	--	10	2.5	2.1	
25...	1007	4.2	757	--	--	--	--	--	
25...	1008	3.1	757	--	--	--	--	--	
25...	1010	.5	757	--	--	--	--	--	
25...	1012	.2	757	--	--	50	16	1.3	
25...	1014	.2	757	--	--	--	--	--	
25...	1016	.2	757	--	--	--	--	--	
		HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LINITY FIELD (MG/L AS CAC03) (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									
25...	1001	--	--	--	.040	.010	22.0	1.10	
25...	1005	9	9	<.10	.040	.010	--	--	
25...	1012	10	11	<.10	.050	.010	--	--	
		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									
10...	1230	80513	80020	.00	35.0	37	6.60	26.0	6.3
10...	1231	80513	80020	3.00	35.0	37	6.50	25.5	6.4
10...	1233	80513	80020	10.0	35.0	39	6.40	24.5	3.8
10...	1235	80513	80020	20.0	35.0	39	6.30	24.5	3.2
10...	1237	80513	80020	30.0	35.0	39	6.30	24.5	2.8
10...	1240	80513	80020	35.0	35.0	40	6.30	24.5	2.0
		BARO- METRIC PRES- SURE (MM 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)	
SEP									
10...	1230	753	.58	--	--	--	--	--	--
10...	1231	753	--	<.10	.030	<.010	15.0	1.40	--

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 mi².

PERIOD OF RECORD.--October 1957 to September 1960, October 1975 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	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)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
OCT, 1985									
16...	0930	80513	80020	51	6.70	19.0	5.9	63	765
NOV									
18...	0930	80513	80020	41	6.40	17.5	9.0	95	758
DEC									
12...	0930	80513	80020	29	7.30	7.5	10.2	85	762
JAN, 1986									
14...	0845	80513	80020	31	6.00	4.0	12.5	96	754
FEB									
03...	0840	80513	80020	32	6.80	9.0	11.4	100	752
MAR									
11...	0700	80513	80020	29	6.40	12.5	9.5	90	753
APR									
14...	1000	80513	80020	31	6.90	20.5	9.3	105	752
MAY									
19...	0830	80513	80020	37	6.50	21.5	8.3	95	753
JUN									
09...	0845	80513	80020	28	6.10	21.0	7.6	87	751
JUL									
15...	0900	80513	80020	41	6.40	27.5	7.3	92	765
AUG									
25...	0930	80513	80020	38	6.40	25.5	5.7	70	757
SEP									
10...	1300	80513	80020	37	6.80	25.5	8.6	106	754
DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	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)
DEC, 1985									
12...	0930	70	18	1.2	29	9	.10	.030	.010
MAY, 1986									
19...	0830	5	10	2.1	25	12	<.10	.040	.010
AUG, 1986									
25...	0930	30	13	2.6	91	13	.20	.050	.020

ARKANSAS RIVER BASIN

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31616)
OCT, 1985									
08...	1530	9827	9827	7.30	18.0	2.0	7.7	1.9	20
29...	1520	9827	9827	7.09	18.0	4.0	6.5	2.3	10
NOV									
26...	1600	9827	9827	6.75	15.0	25	9.0	--	230
JAN, 1986									
14...	1430	9827	9827	6.84	--	15	12.6	2.8	<4
FEB									
18...	1500	9827	9827	6.81	11.0	40	10.8	3.8	200
MAR									
12...	1530	9827	9827	7.00	14.0	15	9.6	1.1	20
APR									
08...	1455	9827	9827	6.68	20.0	45	8.4	5.5	370
MAY									
27...	1545	9827	9827	7.03	20.0	20	8.2	2.5	24
JUN									
10...	1500	9827	9827	6.75	24.0	45	7.5	2.2	430
JUL									
08...	1600	9827	9827	7.05	30.0	--	7.5	1.9	8
AUG									
12...	1600	9827	9827	7.04	26.0	40	--	--	--
SEP									
09...	1530	9827	9827	--	26.0	10	7.2	2.1	<4

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985									
08...	1530	30	5.0	5.5	41	1	--	.150	.030
29...	1520	26	2.0	6.0	48	2	.03	.040	.060
NOV									
26...	1600	18	--	--	38	8	.11	.070	.080
JAN, 1986									
14...	1430	16	9.0	5.0	45	2	.15	.060	.060
FEB									
18...	1500	16	10	6.5	62	12	.16	.050	.070
MAR									
12...	1530	22	--	9.0	47	10	.08	.020	.050
APR									
08...	1455	18	7.0	2.5	59	35	.08	.050	.070
MAY									
27...	1545	12	8.0	5.5	48	6	.13	.060	.040
JUN									
10...	1500	14	7.0	2.8	67	23	--	.030	.080
JUL									
08...	1600	18	7.0	2.5	51	6	.06	--	.090
AUG									
12...	1600	16	12	6.0	58	31	.33	.100	.060
SEP									
09...	1530	18	--	3.0	43	3	.14	.200	--

07262985 SOUTH FOURCHE LA FAVE RIVER AT HOLLIS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985								
08...	1530	.060	5	<1	<15	1	--	30
29...	1520	.040	4	<1	<15	2	--	40
NOV								
26...	1600	.010	--	1	<15	2	--	170
JAN, 1986								
14...	1430	.020	1	4	<14	<1	<.50	50
FEB								
18...	1500	.020	4	<1	<15	3	--	10
MAR								
12...	1530	.040	2	1	<15	3	--	50
APR								
08...	1455	.080	1	1	<15	3	--	10
MAY								
27...	1545	.040	1	1	<15	1	--	30
JUN								
10...	1500	.050	<1	2	<15	--	--	<10
JUL								
08...	1600	--	<1	1	<15	1	--	<10
AUG								
12...	1600	--	--	<1	<15	3	--	20
SEP								
09...	1530	.070	--	<1	<15	<1	--	<10

ARKANSAS RIVER BASIN

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 north-east of Hollis, and at mile 5.6.

DRAINAGE AREA.--210 mi².

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.--45 years, 298 ft³/s, 19.27 in/yr, 215,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 94,000 ft³/s Dec. 3, 1982, gage height, 24.55 ft, from rating curve extended above 35,000 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 27	0530	*31,500	*15.81	No other peak greater than base discharge.			
No flow Oct. 6-18.							

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	.16	30	1610	33	14	58	78	384	35	104	.17	15		
2	.16	48	1260	29	14	54	80	357	91	77	.20	14		
3	.12	26	717	27	18	50	81	235	221	61	.24	13		
4	.08	18	369	26	456	45	693	161	269	49	.19	12		
5	.03	13	264	23	524	42	2460	113	449	40	.16	12		
6	.00	9.4	204	21	1500	38	1100	86	1380	33	.25	13		
7	.00	7.6	165	19	1220	36	624	68	762	27	65	13		
8	.00	6.7	135	20	654	32	1310	55	3230	24	71	11		
9	.00	5.7	114	18	446	30	958	46	2850	21	274	11		
10	.00	3.4	108	18	350	32	558	40	2190	18	571	9.8		
11	.00	2.8	4570	17	277	38	389	61	1770	15	491	9.4		
12	.00	2.8	1700	17	227	1590	353	76	866	13	210	9.5		
13	.00	2.6	800	16	195	804	357	55	470	12	117	8.8		
14	.00	2.0	503	15	183	473	277	40	299	9.5	78	8.3		
15	.00	106	358	14	178	338	234	47	214	8.2	62	8.1		
16	.00	342	281	14	167	287	193	47	163	7.4	1020	8.2		
17	.00	466	226	16	233	240	164	337	125	6.7	843	71		
18	.00	996	188	17	262	691	137	1070	105	6.2	319	84		
19	.05	579	152	19	198	1310	549	1340	86	5.5	181	63		
20	.30	339	125	18	161	631	3730	533	73	4.7	120	42		
21	.28	238	108	19	130	407	1210	292	62	4.0	89	32		
22	.26	161	95	18	109	306	620	197	52	3.4	70	26		
23	.23	112	85	18	96	251	396	148	64	3.1	58	23		
24	.20	85	77	17	89	209	281	114	274	2.7	48	20		
25	.18	70	66	16	81	175	211	96	174	1.6	41	18		
26	.13	1000	56	16	76	149	164	83	625	1.3	35	16		
27	.08	17400	52	15	70	131	133	71	250	1.1	30	14		
28	.11	2420	48	14	64	115	183	62	150	.77	25	13		
29	.27	1540	43	14	---	103	196	53	227	.54	22	12		
30	.66	1180	39	14	---	92	125	45	170	.36	19	11		
31	12	---	37	14	---	85	---	39	---	.26	17	---		
TOTAL	15.30	27212.0	14555	572	7992	8842	17844	6351	17696	561.33	4877.21	621.1		
MEAN	.49	907	470	18.5	285	285	595	205	590	18.1	157	20.7		
MAX	12	17400	4570	33	1500	1590	3730	1340	3230	104	1020	84		
MIN	.00	2.0	37	14	14	30	78	39	35	.26	.16	8.1		
CFSM	.00	4.32	2.24	.09	1.36	1.36	2.83	.98	2.81	.09	.75	.10		
IN.	.00	4.82	2.58	.10	1.42	1.57	3.16	1.13	3.13	.10	.86	.11		
AC-FT	30	53980	28870	1130	15850	17540	35390	12600	35100	1110	9670	1230		
CAL YR 1985	TOTAL	117893.44	MEAN	323	MAX	17400	MIN	.00	CFSM	1.54	IN.	20.88	AC-FT	233800
WTR YR 1986	TOTAL	107138.94	MEAN	294	MAX	17400	MIN	.00	CFSM	1.40	IN.	18.98	AC-FT	212500

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985									
08...	0910	9827	9827	7.42	20.0	5.0	2.5	9.0	440
29...	0845	9827	9827	7.11	17.0	30	2.8	7.0	320
NOV									
26...	0910	9827	9827	6.85	13.0	60	8.4	--	5900
JAN, 1986									
14...	1605	9827	9827	7.38	--	15	7.7	7.2	8
FEB									
18...	0855	9827	9827	7.15	13.0	25	5.3	6.8	<10
25...	1436	9827	9827	7.85	--	6.0	11.8	1.0	18
MAR									
12...	0915	9827	9827	7.13	12.0	50	8.0	4.6	16000
APR									
08...	1630	9827	9827	6.86	21.0	40	6.4	7.2	200
MAY									
28...	0905	9827	9827	7.37	21.0	15	3.2	13	<4
JUN									
10...	0910	9827	9827	6.90	25.0	20	5.0	1.0	10
JUL									
08...	1745	9827	9827	7.30	27.0	--	3.2	12	420
AUG									
12...	1740	9827	9827	7.57	27.0	5.0	--	--	10
SEP									
10...	0910	9827	9827	--	24.0	8.3	2.3	<2.3	180
DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985									
08...	0910	70	40	29	219	6	--	15.8	8.00
29...	0845	42	21	20	144	24	2.7	6.20	3.30
NOV									
26...	0910	16	--	--	37	48	.31	.090	.260
JAN, 1986									
14...	1605	50	56	27	229	14	.58	10.8	5.80
FEB									
18...	0855	50	29	22	167	18	.59	6.80	2.65
25...	1436	58	15	5.5	87	14	.28	.010	.040
MAR									
12...	0915	32	--	6.0	108	41	2.8	.250	.290
APR									
08...	1630	30	14	10	119	27	1.9	.720	1.06
MAY									
28...	0905	46	31	28	189	12	1.3	9.10	4.50
JUN									
10...	0910	50	20	12	134	17	--	.180	1.40
JUL									
08...	1745	46	32	25	199	15	1.1	--	7.40
AUG									
12...	1740	54	39	29	202	9	6.8	6.20	4.80
SEP									
10...	0910	52	--	24	195	9	.94	12.8	--

ARKANSAS RIVER BASIN

07263240 STONE DAM CREEN NEAR CONWAY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985								
08...	0910	6.70	1	2	<15	2	--	40
29...	0845	3.60	2	3	<15	4	--	80
NOV								
26...	0910	.120	--	3	<15	11	--	170
JAN, 1986								
14...	1605	4.85	2	9	<15	2	<.50	90
FEB								
18...	0855	2.25	2	3	<15	5	--	40
25...	1436	.030	1	3	<15	23	--	10
MAR								
12...	0915	.160	4	4	<15	15	--	110
APR								
08...	1630	.540	4	5	<15	5	--	40
MAY								
28...	0905	4.00	3	4	<15	3	--	70
JUN								
10...	0910	.840	1	4	<15	--	--	40
JUL								
08...	1745	--	1	2	<15	2	--	30
AUG								
12...	1740	4.80	--	1	<15	2	--	30
SEP								
10...	0910	4.90	--	1	<15	3	--	10

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 mi², of which 22,241 mi² 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.--59 years, 41,090 ft³/s, 29,770,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 536,000 ft³/s May 27, 1943, gage height, 30.05 ft, site and datum then in use; minimum daily, 14 ft³/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, 197,000 ft³/s Nov. 29, tailwater elevation, 247.08 ft; minimum daily, 927 ft³/s Sept. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29800	98600	174000	49700	19700	17900	20300	60600	74200	31900	18100	8910
2	37900	92400	163000	49300	11800	8770	18800	64200	66500	31400	11900	5980
3	29700	74200	182000	50100	6520	17600	25000	59000	63100	36100	2700	17300
4	32700	62600	176000	42800	35800	20800	40700	51900	63900	27100	9670	14700
5	36000	54100	173000	39400	40200	13500	75600	49800	59100	24300	5670	15400
6	35900	51400	169000	34900	37800	28100	103000	49000	79700	27700	5770	2500
7	34400	49300	166000	36500	61800	28300	121000	49000	83800	23800	2650	5060
8	28900	43400	164000	43100	83400	9660	124000	47700	102000	27100	19200	1430
9	27800	40700	161000	43700	82000	8200	131000	43400	114000	33400	10100	927
10	29000	33700	144000	35000	68900	20100	125000	27400	111000	14200	1770	7360
11	28700	42300	144000	34600	57200	19000	115000	55500	107000	6450	16300	13600
12	24300	29800	148000	28600	53200	43500	99800	49100	97100	11400	30900	12300
13	27500	41900	154000	39400	53700	56100	98900	41600	96600	9140	19800	13000
14	37900	39500	154000	33900	49300	54800	104000	40000	94000	12300	5340	3650
15	52700	59300	154000	28900	46000	54300	106000	47400	86900	31400	2870	969
16	64300	82800	149000	17800	39600	52300	99200	54500	72800	35800	11200	8820
17	71000	121000	135000	17900	40200	50200	78300	70700	57600	24900	7920	14900
18	61700	135000	123000	26600	44800	43900	58800	98300	57400	32600	14600	24200
19	69300	151000	111000	21100	44000	42000	60500	113000	53800	23200	28400	27400
20	89200	161000	106000	18800	40200	52400	77500	115000	52500	19800	17600	31500
21	102000	181000	88700	12600	43300	52100	125000	109000	49200	13500	10200	30100
22	102000	172000	77700	15700	46200	46300	130000	107000	46400	22300	13900	28200
23	105000	159000	61000	7890	31300	26700	108000	106000	41600	22000	9250	24700
24	103000	157000	66200	15600	33800	8920	91900	110000	40900	17900	2560	20500
25	104000	153000	68200	4870	26900	7650	82800	109000	49900	20900	12200	14000
26	107000	154000	58400	12100	35400	21500	80400	119000	34300	1920	15000	13800
27	101000	159000	53700	8090	20600	31900	81800	120000	36700	13400	10200	17800
28	85000	186000	57400	21800	28700	27700	67900	114000	38400	14200	2480	17000
29	85200	195000	59000	11700	---	2860	62200	112000	37200	8390	8420	15600
30	90200	187000	61900	19700	---	6010	60200	102000	39100	27900	15900	29100
31	92200	---	56000	12900	---	24800	---	84800	---	24700	1930	---
TOTAL	1925300	3167000	3758200	835050	1182320	897870	2572600	2379900	2006700	671100	344500	440706
MEAN	62110	105600	121200	26940	42230	28960	85750	76770	66890	21650	11110	14690
MAX	107000	195000	182000	50100	83400	56100	131000	120000	114000	36100	30900	31500
MIN	24300	29800	53700	4870	6520	2860	18800	27400	34300	1920	1770	927
AC-FT	3819000	6282000	7454000	1656000	2345000	1781000	5103000	4721000	3980000	1331000	683300	874100
CAL YR 1985	TOTAL	29143410	MEAN	79840	MAX	218000	MIN	1580	AC-FT	57810000		
WTR YR 1986	TOTAL	20181246	MEAN	55290	MAX	195000	MIN	927	AC-FT	40030000		

ARKANSAS RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985											
01...	1300	9827	9827	26900	472	8.15	21.0	--	8.3	11	1.2
29...	1400	9827	9827	85200	673	7.70	19.0	60	9.1	16	.8
NOV											
26...	1410	9827	9827	153000	349	7.75	14.0	90	10.9	20	1.9
JAN, 1986											
07...	1415	9827	9827	40100	426	7.87	5.0	30	12.6	13	.5
FEB											
04...	1400	9827	9827	37700	605	7.94	11.0	15	12.1	12	1.4
MAR											
04...	1455	9827	9827	19500	412	--	12.0	15	14.7	18	5.3
APR											
01...	1400	9827	9827	26400	466	8.42	19.0	6.0	12.1	8	2.7
MAY											
20...	1300	9827	9827	116000	433	7.82	24.0	50	8.4	11	1.3
JUN											
03...	0945	9827	9827	59800	556	7.70	25.0	35	8.3	14	1.8
JUL											
01...	0900	9827	9827	37100	493	--	30.0	20	7.8	15	1.8
AUG											
05...	0930	9827	9827	10700	747	8.40	31.0	9.2	7.6	16	1.6
SEP											
02...	1045	9827	9827	3620	--	8.09	23.0	6.5	8.4	16	2.9
30...	1140	9827	9827	33300	--	8.48	26.0	8.0	8.4	--	2.2

DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT, 1985										
01...	1300	4	140	45	59	288	16	.32	.060	.44
29...	1400	<10	130	44	130	415	52	.74	.040	.26
NOV										
26...	1410	96	82	--	51	218	76	.37	.090	.61
JAN, 1986										
07...	1415	12	94	34	74	273	15	.57	--	--
FEB										
04...	1400	20	130	46	110	352	10	.67	.120	-.02
MAR										
04...	1455	<4	100	33	61	239	17	.01	.070	.63
APR										
01...	1400	<4	100	35	72	279	16	.22	.070	.33
MAY										
20...	1300	68	120	37	55	260	56	.46	.070	.43
JUN										
03...	0945	20	140	48	88	329	33	.52	.110	.09
JUL										
01...	0900	16	120	--	150	281	16	.40	.050	.55
AUG										
05...	0930	<4	160	51	100	--	12	.08	.010	.79
SEP										
02...	1045	--	150	--	120	415	12	.03	.060	.34
30...	1140	<4	160	50	120	415	15	.01	.030	.57

07263450 ARKANSAS RIVER AT MURRAY DAM, NEAR LITTLE ROCK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	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)	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)
OCT, 1985										
01...	1300	.50	.82	.080	.070	2	<1	<1	<15	2
29...	1400	.30	1.0	.130	.120	--	<1	2	<15	3
NOV										
26...	1410	.70	1.1	.210	.100	--	<1	3	15	7
JAN, 1986										
07...	1415	<.10	--	--	.100	3	1	6	<15	12
FEB										
04...	1400	.10	.77	.090	.090	--	<1	2	<15	2
MAR										
04...	1455	.70	.71	.080	.020	--	<1	<1	<15	3
APR										
01...	1400	.40	.62	.070	.030	4	<1	8	<15	2
MAY										
20...	1300	.50	.96	.130	.050	--	<1	1	<15	3
JUN										
03...	0945	.20	.72	.130	--	--	<1	2	<15	3
JUL										
01...	0900	.60	1.0	.100	.050	2	<1	--	<15	1
AUG										
05...	0930	.80	.88	.110	.020	--	<1	--	15	--
SEP										
02...	1045	.40	.43	.050	.010	--	<1	<1	<15	--
30...	1140	.60	.61	.060	--	--	<1	2	<15	2

DATE	TIME	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)	LINDANE TOTAL (UG/L) (39340)	P, P' DDD, TOTAL (UG/L) (39310)	P, P' DDE, TOTAL (UG/L) (39320)
OCT, 1985										
29...	1400	--	--	10	--	--	--	--	--	--
NOV										
26...	1410	--	--	30	--	--	--	--	--	--
JAN, 1986										
07...	1415	.10	<1	--	<.002	<.01	<.01	<.002	<.01	<.01
FEB										
04...	1400	--	--	10	--	--	--	--	--	--
MAR										
04...	1455	--	--	10	--	--	--	--	--	--
APR										
01...	1400	--	<1	10	<.002	<.01	--	<.002	<.01	<.01
MAY										
20...	1300	--	--	<10	--	--	--	--	--	--
JUN										
03...	0945	--	--	<10	<.002	<.01	--	<.002	<.01	<.01
JUL										
01...	0900	--	<1	<10	<.002	<.01	--	<.002	<.01	<.01
AUG										
05...	0930	--	--	10	--	--	--	--	--	--
SEP										
02...	1045	--	--	<10	--	--	--	--	--	--
30...	1140	--	--	<10	<.002	<.01	--	<.002	<.01	<.01

DATE	TIME	P, P' DDT, TOTAL (UG/L) (39300)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
JAN, 1986										
07...	1415	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
APR										
01...	1400	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
JUN										
03...	0945	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
JUL										
01...	0900	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
SEP										
30...	1140	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1

ARKANSAS RIVER BASIN

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 mi², of which 22,241 mi² 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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (000027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (000028)	STREAM-FLOW, INSTANTANEOUS (CFS) (000061)	SPE-CIFIC CON-DUC-TANCE (US/CM) (000095)	PH (STAND-ARD UNITS) (000400)	TEMPER-ATURE (DEG C) (000010)	TUR-BID-ITY (NTU) (000076)	OXYGEN, DIS-SOLVED (MG/L) (000300)	OXYGEN, DIS-SOLVED SATUR-ATION) (000301)	BARO-METRIC PRES-SURE (MM OF HG) (000025)
OCT, 1985											
29...	0730	80513	80010	86300	718	8.10	18.0	55	9.0	96	753
DEC											
30...	1100	80513	80020	61900	361	7.90	4.0	29	14.2	109	757
FEB, 1986											
25...	1330	80513	80020	23100	482	9.00	7.0	17	12.4	103	759
APR											
16...	0830	80513	80020	104000	454	8.00	15.0	40	10.3	102	761
JUN											
03...	0800	80513	80020	63300	625	8.10	21.0	36	8.0	91	756
AUG											
19...	0930	80513	80020	22800	717	8.50	26.0	5.8	8.0	100	757
DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREP-TOCOCCHI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS (MG/L AS CaCO3) (000900)	HARD-NESS, NONCAR-BONATE (MG/L CaCO3) (000902)	CALCIUM DIS-SOLVED (MG/L AS Ca) (000915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg) (000925)	SODIUM, DIS-SOLVED (MG/L AS Na) (000930)	PERCENT SODIUM (000932)	SODIUM AD-SORP-TION RATIO (000931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (000935)
OCT, 1985											
29...	0730	0	250	120	34	36	8.3	83	58	3	3.8
DEC											
30...	1100	K30	120	90	27	26	6.0	33	43	2	2.9
FEB, 1986											
25...	1330	2	10	100	35	28	7.4	52	52	2	2.5
APR											
16...	0830	68	K300	98	28	28	6.7	42	48	2	2.6
JUN											
03...	0800	57	130	140	40	39	10	63	49	2	3.0
AUG											
19...	0930	K28	90	150	49	42	11	85	54	3	3.5

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK & DAM BELOW LITTLE ROCK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	ALKA- LITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
OCT, 1985											
29...	0730	91	58	130	.20	5.4	378	380	.51	--	<.010
DEC											
30...	1100	62	20	49	.10	6.9	289	180	.39	--	<.010
FEB, 1986											
25...	1330	67	33	80	.10	3.3	249	250	.34	--	.010
APR											
16...	0830	69	27	62	<.10	4.9	241	220	.33	.45	.010
JUN											
03...	0800	97	51	97	<.10	4.5	321	330	.44	--	<.010
AUG											
19...	0930	101	50	130	.30	2.2	392	390	.53	--	<.010
DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)
OCT, 1985											
29...	0730	.67	.030	<.010	.47	.50	.140	.050	.040	--	--
DEC											
30...	1100	.50	.080	.060	.42	.50	.110	.050	.050	50	<1
FEB, 1986											
25...	1330	<.10	.030	.030	.87	.90	.070	<.010	<.010	70	<1
APR											
16...	0830	.46	.040	.050	.66	.70	.100	.040	.030	--	--
JUN											
03...	0800	.48	.030	.030	.77	.80	.110	.080	.030	30	1
AUG											
19...	0930	<.10	.080	.060	.52	.60	.070	.030	.020	--	--
DATE	TIME	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	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)
DEC, 1985											
30...	1100	53	<.5	1	<1	<3	2	81	<1	5	15
FEB, 1986											
25...	1330	53	<.5	<1	3	<3	1	85	<1	5	<1
JUN											
03...	0800	76	<.5	<1	3	<3	2	30	<1	8	<1
DATE	TIME	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	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- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT, 1985											
29...	0730	--	--	--	--	--	--	--	80	18600	68
DEC											
30...	1100	<.1	<10	<1	<1	<1	170	10	200	33400	9
FEB, 1986											
25...	1330	.5	<10	1	<1	<1	230	<3	51	3180	38
APR											
16...	0830	--	--	--	--	--	--	--	56	15700	86
JUN											
03...	0800	<.1	<10	7	<1	<1	330	7	34	5810	95
AUG											
19...	0930	--	--	--	--	--	--	--	24	1480	34

ARKANSAS RIVER BASIN

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 downstream side of lock and dam, 4.0 mi southwest of Wright, Ark., off State Highway 256.

DRAINAGE AREA.--158,542 mi², of which 22,241 mi² 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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)
OCT, 1985										
01...	0928	9827	9827	29500	519	8.15	18.0	20	8.8	11
29...	0900	9827	9827	77100	684	7.92	17.0	65	9.2	16
NOV										
26...	0910	9827	9827	144000	332	7.65	14.0	95	10.2	20
JAN, 1986										
07...	1534	9827	9827	35400	456	7.84	3.0	30	12.5	15
FEB										
04...	1515	9827	9827	40200	618	7.88	11.0	15	12.0	12
MAR										
04...	1449	9827	9827	28500	428	--	12.0	15	14.3	19
APR										
01...	1505	9827	9827	24000	419	7.81	18.0	9.0	11.1	10
MAY										
06...	1521	9827	9827	47000	316	7.74	22.0	40	9.5	15
JUN										
03...	1556	9827	9827	65800	626	7.85	24.0	40	8.8	13
JUL										
01...	1500	9827	9827	39100	816	8.08	29.0	25	8.3	16
AUG										
05...	1015	9827	9827	10200	--	8.66	31.0	3.6	--	13
05...	1421	9827	9827	--	760	--	31.0	--	--	--
SEP										
09...	1510	9827	9827	2540	696	--	28.0	3.3	7.4	15
30...	1225	9827	9827	38100	--	8.53	28.0	8.5	8.4	--
DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985										
01...	0928	1.8	10	150	46	67	301	20	.40	.060
29...	0900	1.2	20	130	43	150	404	--	.71	.020
NOV										
26...	0910	1.1	--	78	25	53	221	80	.36	.060
JAN, 1986										
07...	1534	1.5	8	110	36	72	282	19	.58	.100
FEB										
04...	1515	1.5	94	130	45	110	339	13	.66	.100
MAR										
04...	1449	6.1	<4	100	35	64	243	20	<.01	.030
APR										
01...	1505	2.2	<4	96	--	59	240	16	.28	.070
MAY										
06...	1521	1.9	16	110	--	34	178	38	.35	.040
JUN										
03...	1556	1.8	140	140	52	96	3880	36	.50	.060
JUL										
01...	1500	1.8	<10	120	38	--	248	29	.25	.010
AUG										
05...	1015	1.7	<4	150	57	100	408	8	.01	.060
SEP										
09...	1510	1.4	<4	160	56	120	398	9	<.01	.010
30...	1225	1.7	<4	160	54	--	422	17	.05	.010

07263640 ARKANSAS RIVER AT LOCK AND DAM 5 NEAR WRIGHT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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, 1985										
01...	0928	.34	.40	.80	.090	.030	<1	<1	<15	3
29...	0900	.68	.70	1.4	.170	.120	<1	2	<15	3
NOV										
26...	0910	.54	.60	.96	.180	.100	<1	3	<15	7
JAN, 1986										
07...	1534	--	<.10	--	.150	.110	--	2	<15	4
FEB										
04...	1515	--	<.10	--	.120	.090	<1	<1	<15	2
MAR										
04...	1449	1.4	1.4	--	.100	.010	<1	<1	<15	2
APR										
01...	1505	--	--	--	.110	.050	<1	1	<15	1
MAY										
06...	1521	.56	.60	.95	.120	.050	<1	<1	20	2
JUN										
03...	1556	.14	.20	.70	.120	.070	1	2	--	11
JUL										
01...	1500	.49	.50	.75	.130	--	<1	1	<15	1
AUG										
05...	1015	.44	.50	.51	.060	.030	<1	<1	<15	<1
SEP										
09...	1510	.49	.50	--	.060	<.010	<1	<1	<15	6
30...	1225	.39	.40	.45	.080	.060	<1	<1	<15	2

DATE	TIME	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)
OCT, 1985									
01...	0928	--	20	<.002	<.01	<.002	<.01	<.01	<.01
29...	0900	--	10	--	--	--	--	--	--
JAN, 1986									
07...	1534	<.10	--	--	--	--	--	--	--
FEB									
04...	1515	--	10	--	--	--	--	--	--
MAR									
04...	1449	--	10	--	--	--	--	--	--
APR									
01...	1505	--	20	--	--	--	--	--	--
JUN									
03...	1556	--	30	--	--	--	--	--	--
AUG									
05...	1015	--	10	--	--	--	--	--	--
SEP									
09...	1510	--	20	--	--	--	--	--	--
30...	1225	--	10	--	--	--	--	--	--

DATE	TIME	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
OCT, 1985									
01...	0928	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1

ARKANSAS RIVER BASIN

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 mi², of which 22,241 mi² 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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)
OCT, 1985										
01...	1055	9827	9827	26800	522	8.20	18.0	10	8.8	11
29...	0955	9827	9827	85500	678	7.91	19.0	65	9.4	18
NOV										
26...	1005	9827	9827	140000	343	7.62	14.0	95	--	21
JAN, 1986										
07...	1415	9827	9827	33800	461	7.84	2.0	30	12.8	13
FEB										
04...	1413	9827	9827	38800	616	7.92	11.0	15	12.2	12
MAR										
04...	1343	9827	9827	26300	433	9.21	12.0	15	14.5	18
APR										
01...	1358	9827	9827	11800	412	8.10	18.0	8.0	11.6	10
MAY										
06...	1427	9827	9827	44800	311	7.77	22.0	45	9.1	14
JUN										
03...	1500	9827	9827	69100	626	7.82	24.0	40	8.5	13
JUL										
01...	1356	9827	9827	36100	461	8.14	30.0	10	9.0	13
AUG										
05...	1321	9827	9827	1240	738	8.65	32.0	4.0	--	15
SEP										
09...	1404	9827	9827	1220	704	--	27.0	3.5	7.6	18
30...	1122	9827	9827	34000	--	8.53	27.0	6.5	8.4	--
DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CAC03) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985										
01...	1055	1.6	<10	150	47	68	310	14	.30	.060
29...	0955	1.6	30	130	43	150	401	--	.72	.030
NOV										
26...	1005	1.1	50	78	25	53	209	90	.35	.060
JAN, 1986										
07...	1415	1.3	4	100	36	71	275	15	.57	.100
FEB										
04...	1413	1.9	100	130	44	110	335	14	.10	.640
MAR										
04...	1343	4.9	<4	100	36	68	245	20	.00	.050
APR										
01...	1358	2.0	<4	96	--	59	242	12	.23	.040
MAY										
06...	1427	1.5	16	94	--	35	178	38	.35	.030
JUN										
03...	1500	1.5	120	140	51	98	363	40	.50	.060
JUL										
01...	1356	1.9	8	120	37	--	247	10	.26	<.010
AUG										
05...	1321	2.2	4	160	54	150	408	9	<.01	.030
SEP										
09...	1404	2.0	<4	150	53	120	392	10	<.01	.010
30...	1122	1.6	4	160	54	--	431	12	<.01	<.010

07263706 ARKANSAS RIVER AT LOCK AND DAM 4 NEAR PINE BLUFF, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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, 1985										
01...	1055	.24	.30	.60	.090	.070	<1	<1	<15	3
29...	0955	.47	.50	1.2	.170	.120	<1	2	<15	3
NOV										
26...	1005	.54	.60	.95	.190	.100	<1	3	<15	7
JAN, 1986										
07...	1415	--	<.10	--	.150	.120	--	2	<15	3
FEB										
04...	1413	--	--	--	.120	.090	<1	<1	<15	2
MAR										
04...	1343	.45	.50	.50	.100	<.010	<1	<1	<15	2
APR										
01...	1358	--	--	--	.100	.040	<1	1	<15	1
MAY										
06...	1427	.47	.50	.85	.100	.050	<1	<1	29	2
JUN										
03...	1500	.34	.40	.90	.120	.070	<1	2	--	3
JUL										
01...	1356	--	.30	.56	.090	--	<1	1	<15	2
AUG										
05...	1321	.37	.40	--	.060	.020	<1	<1	<15	2
SEP										
09...	1404	.99	1.0	--	.070	.010	<1	<1	<15	<1
30...	1122	--	.60	--	.080	.050	<1	<1	<15	2

DATE	TIME	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)
OCT, 1985										
01...	1055	--	10	--	--	--	--	--	--	--
29...	0955	--	10	--	--	--	--	--	--	--
JAN, 1986										
07...	1415	<.10	--	--	--	--	--	--	--	--
FEB										
04...	1413	--	10	--	--	--	--	--	--	--
MAR										
04...	1343	--	20	<.002	<.01	<.01	<.002	<.01	<.01	<.01
APR										
01...	1358	--	20	--	--	--	--	--	--	--
JUN										
03...	1500	--	30	<.002	<.01	--	<.002	<.01	<.01	<.01
AUG										
05...	1321	--	10	--	--	--	--	--	--	--
SEP										
09...	1404	--	20	<.002	<.01	--	<.002	<.01	<.01	<.01
30...	1122	--	10	--	--	--	--	--	--	--

DATE	TIME	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
MAR, 1986									
04...	1343	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
JUN, 1986									
03...	1500	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
SEP, 1986									
09...	1404	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1

ARKANSAS RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CAC03) (00900)
OCT, 1985										
01...	1130	9827	9827	6.90	17.0	--	2.0	1.9	64	18
29...	1255	9827	9827	6.83	18.0	4.0	1.0	3.6	40	38
NOV										
26...	1150	9827	9827	6.75	15.0	65	6.9	1.6	900	26
JAN, 1986										
07...	1300	9827	9827	6.73	4.0	20	10.7	1.5	28	18
FEB										
04...	1250	9827	9827	6.77	15.0	40	8.1	3.2	2800	18
MAR										
04...	1350	9827	9827	6.81	11.0	15	10.1	1.9	36	22
APR										
01...	1300	9827	9827	6.47	20.0	8.0	6.4	1.5	28	22
MAY										
20...	1140	9827	9827	6.58	20.0	30	7.5	1.6	420	20
JUN										
03...	1150	9827	9827	6.65	23.0	45	4.6	3.4	7100	18
JUL										
01...	1035	9827	9827	--	28.0	10	1.5	2.7	28	46
AUG										
05...	1135	9827	9827	7.00	27.0	10	1.8	3.0	72	52
SEP										
02...	1245	9827	9827	6.88	23.0	15	1.9	--	--	36
30...	1045	9827	9827	7.08	26.0	8.5	1.3	--	8	48

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT, 1985									
01...	1130	5.0	6.5	73	4	.06	.180	--	--
29...	1255	7.0	5.0	73	6	.19	<.010	--	--
NOV									
26...	1150	--	5.5	50	41	.16	.030	--	--
JAN, 1986									
07...	1300	7.0	6.0	52	2	.11	--	--	--
FEB									
04...	1250	13	7.0	31	50	.21	.100	--	--
MAR									
04...	1350	9.0	6.0	51	8	.07	.070	--	--
APR									
01...	1300	8.0	4.5	53	14	.02	.060	--	--
MAY									
20...	1140	7.0	4.5	62	22	.13	.090	--	--
JUN									
03...	1150	5.0	3.5	49	44	.21	.100	--	--
JUL									
01...	1035	--	5.0	40	13	.06	.120	--	--
AUG									
05...	1135	5.0	4.0	--	6	.03	.100	--	--
SEP									
02...	1245	--	3.5	71	11	.03	.140	--	--
30...	1045	3.0	5.0	83	12	.01	.060	.74	.80

07263920 BAYOU METO NEAR NORTH LITTLE ROCK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)
OCT, 1985									
01...	1130	--	.100	.060	<1	<1	<15	2	--
29...	1255	--	.110	.040	<1	<1	<15	1	--
NOV									
26...	1150	--	.120	.050	<1	1	<15	7	--
JAN, 1986									
07...	1300	--	--	.060	<1	2	<15	<1	<.10
FEB									
04...	1250	--	.120	.050	<1	<1	<15	3	--
MAR									
04...	1350	--	.060	.040	<1	<1	<15	1	--
APR									
01...	1300	--	.070	.050	<1	1	<15	2	--
MAY									
20...	1140	--	.080	.030	<1	<1	<15	2	--
JUN									
03...	1150	--	.130	--	<1	2	<15	5	--
JUL									
01...	1035	--	.130	.020	<1	--	<15	1	--
AUG									
05...	1135	--	.080	.030	<1	--	<15	--	--
SEP									
02...	1245	--	.060	.050	<1	<1	<15	--	--
30...	1045	.81	.080	--	<1	1	<15	1	--

DATE	TIME	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)
OCT, 1985									
01...	1130	--	<.002	<.01	--	<.002	<.01	<.01	<.01
29...	1255	10	--	--	--	--	--	--	--
NOV									
26...	1150	20	--	--	--	--	--	--	--
FEB, 1986									
04...	1250	10	--	--	--	--	--	--	--
MAR, 1986									
04...	1350	<10	<.002	<.01	<.01	<.002	<.01	<.01	<.01
APR, 1986									
01...	1300	<10	--	--	--	--	--	--	--
MAY, 1986									
20...	1140	<10	<.002	<.01	--	<.002	<.01	<.03	<.01
JUN, 1986									
03...	1150	<10	--	--	--	--	--	--	--
JUL, 1986									
01...	1035	<10	--	--	--	--	--	--	--
AUG, 1986									
05...	1135	<10	<.002	<.01	--	<.002	<.01	<.01	<.01
SEP, 1986									
02...	1245	<10	--	--	--	--	--	--	--
30...	1045	<10	--	--	--	--	--	--	--

DATE	TIME	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
OCT, 1985									
01...	1130	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
MAR, 1986									
04...	1350	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
MAY, 1986									
20...	1140	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
AUG, 1986									
05...	1135	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1

ARKANSAS RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CaCO3) (00900)
OCT, 1985										
01...	0910	9827	9827	7.30	17.0	--	1.3	3.9	470	140
29...	0920	9827	9827	7.21	17.0	15	.6	6.0	170	130
NOV										
26...	0900	9827	9827	6.93	14.0	15	5.0	2.5	1300	44
JAN, 1986										
07...	0915	9827	9827	6.97	4.0	8.0	7.0	3.0	240	52
FEB										
04...	0945	9827	9827	6.87	15.0	170	4.7	--	7400	52
MAR										
04...	0930	9827	9827	7.12	11.0	9.0	6.9	6.0	100	62
APR										
01...	0920	9827	9827	6.75	19.0	15	3.4	5.1	36	34
MAY										
20...	0930	9827	9827	6.80	20.0	30	5.6	2.6	390	26
JUN										
03...	1100	9827	9827	7.04	23.0	50	3.0	6.4	2200	32
JUL										
01...	1010	9827	9827	--	30.0	15	2.2	5.0	56	54
AUG										
05...	1025	9827	9827	7.30	27.0	30	2.5	13	>600	86
SEP										
02...	1145	9827	9827	7.29	25.0	20	3.0	7.2	--	52
30...	1000	9827	9827	7.43	27.0	7.0	2.1	7.6	16	90
DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	
OCT, 1985										
01...	0910	12	460	845	8	.35	1.60	--	--	
29...	0920	10	380	668	14	.09	3.15	--	--	
NOV										
26...	0900	--	63	154	16	.18	.630	--	--	
JAN, 1986										
07...	0915	12	99	238	6	.35	--	--	--	
FEB										
04...	0945	16	88	241	301	.64	1.20	--	--	
MAR										
04...	0930	11	140	265	26	.34	.470	--	--	
APR										
01...	0920	11	27	123	28	.35	.830	--	--	
MAY										
20...	0930	8.0	8.0	77	29	.22	.450	--	--	
JUN										
03...	1100	8.0	14	99	81	.20	1.40	--	--	
JUL										
01...	1010	--	25	78	18	.19	.930	--	--	
AUG										
05...	1025	21	77	--	36	.27	3.70	--	--	
SEP										
02...	1145	--	40	191	21	.16	2.70	--	--	
30...	1000	20	62	281	14	.21	4.10	3.3	7.4	

07263935 BAYOU METO NEAR JACKSONVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)
OCT, 1985									
01...	0910	--	.690	.490	<1	<1	<15	8	--
29...	0920	--	2.00	1.55	<1	<1	<15	4	--
NOV									
26...	0900	--	.580	.470	<1	<1	<15	5	--
JAN, 1986									
07...	0915	--	--	.590	1	6	<15	2	<.10
FEB									
04...	0945	--	1.10	.580	<1	1	<15	11	--
MAR									
04...	0930	--	.690	.440	<1	<1	<15	3	--
APR									
01...	0920	--	1.08	.780	<1	1	<15	2	--
MAY									
20...	0930	--	.360	.240	<1	1	<15	3	--
JUN									
03...	1100	--	.960	--	<1	3	<15	4	--
JUL									
01...	1010	--	.880	.580	<1	--	<15	2	--
AUG									
05...	1025	--	5.20	4.20	<1	--	<15	--	--
SEP									
02...	1145	--	2.70	2.10	<1	<1	<15	--	--
30...	1000	7.6	5.90	--	<1	1	<15	1	--

DATE	TIME	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)
OCT, 1985									
01...	0910	--	<.002	<.01	--	<.002	<.01	<.01	<.01
29...	0920	10	--	--	--	--	--	--	--
NOV									
26...	0900	20	--	--	--	--	--	--	--
FEB, 1986									
04...	0945	20	--	--	--	--	--	--	--
MAR, 1986									
04...	0930	<10	<.002	<.01	<.01	<.002	<.01	<.01	<.01
APR, 1986									
01...	0920	<10	--	--	--	--	--	--	--
MAY, 1986									
20...	0930	<10	<.002	<.01	--	<.002	<.01	<.01	<.01
JUN, 1986									
03...	1100	<10	--	--	--	--	--	--	--
JUL, 1986									
01...	1010	<10	--	--	--	--	--	--	--
AUG, 1986									
05...	1025	<10	<.002	<.01	--	<.002	<.01	<.01	<.01
SEP, 1986									
02...	1145	<10	--	--	--	--	--	--	--
30...	1000	<10	--	--	--	--	--	--	--

DATE	TIME	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCOR 1260 PCB TOTAL (UG/L) (39508)
OCT, 1985									
01...	0910	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
MAR, 1986									
04...	0930	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
MAY, 1986									
20...	0930	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
AUG, 1986									
05...	1025	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.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 mi².

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: Dec. 13 to Jan. 7. Records good except for estimated daily discharges, 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.--32 years, 294 ft³/s, 213,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,700 ft³/s May 18, 1968, gage height, 26.55 ft; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,870 ft³/s Dec. 3, gage height, 22.14 ft; minimum daily, 0.83 ft³/s July 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	100	1620	260	42	69	91	221	33	20	7.5	7.9
2	10	213	1840	150	34	61	99	178	25	17	9.5	7.2
3	9.9	279	1860	120	33	58	84	229	26	14	9.5	6.0
4	12	278	1830	100	201	54	87	314	52	13	6.0	7.4
5	9.5	226	1730	90	394	51	468	284	168	13	4.5	9.4
6	6.7	154	1590	80	607	51	819	211	534	11	3.2	6.2
7	5.9	93	1410	70	708	48	920	139	750	10	2.1	6.3
8	5.2	58	1210	55	743	45	1010	103	843	14	2.0	7.8
9	4.9	39	1000	52	759	42	1100	81	910	9.0	8.3	8.3
10	4.3	32	800	52	760	39	1130	63	973	5.7	66	6.6
11	4.9	23	711	50	722	37	1110	60	1010	3.5	179	4.4
12	5.0	18	800	56	634	294	1050	108	1010	2.2	186	3.9
13	4.9	15	980	64	510	541	956	243	996	1.8	129	5.7
14	4.3	18	1100	67	399	694	804	268	982	1.6	73	5.9
15	4.6	19	1500	65	320	818	613	204	943	1.8	47	5.6
16	6.4	22	1800	62	272	896	436	134	857	1.9	35	7.2
17	6.5	37	1800	61	244	916	323	105	712	1.8	34	10
18	4.5	169	1700	60	233	886	245	94	501	1.6	27	8.4
19	21	266	1600	58	248	797	193	146	285	4.3	20	5.8
20	18	306	1500	52	239	652	178	267	133	3.7	19	4.8
21	27	321	1300	60	209	477	204	327	80	1.9	19	19
22	32	299	1200	68	181	325	317	295	68	1.1	15	7.2
23	34	250	1100	70	147	222	361	215	55	.83	11	4.8
24	32	195	950	75	127	151	320	142	46	2.0	9.7	9.8
25	29	147	820	75	128	125	258	102	44	2.0	6.1	10
26	24	116	700	73	114	116	192	84	57	1.9	7.0	8.1
27	19	298	600	65	104	108	142	81	63	1.3	15	6.9
28	15	575	520	57	87	100	141	76	55	1.6	18	6.1
29	15	773	420	53	---	97	157	156	36	2.0	14	4.4
30	16	1130	340	50	---	85	228	129	25	1.8	11	2.8
31	38	---	270	49	---	79	---	64	---	3.3	11	---
TOTAL	440.5	6469	36601	2319	9199	8934	14036	5123	12272	170.63	1004.4	213.9
MEAN	14.2	216	1181	74.8	329	288	468	165	409	5.50	32.4	7.13
MAX	38	1130	1860	260	760	916	1130	327	1010	20	186	19
MIN	4.3	15	270	49	33	37	84	60	25	.83	2.0	2.8
AC-FT	874	12830	72600	4600	18250	17720	27840	10160	24340	338	1990	424
CAL YR 1985	TOTAL	121991.71	MEAN	334	MAX	1920	MIN	.06	AC-FT	242000		
WTR YR 1986	TOTAL	96782.43	MEAN	265	MAX	1860	MIN	.83	AC-FT	192000		

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CAC03) (00900)
OCT, 1985											
01...	1140	9827	9827	440	7.73	20.0	35	6.2	2.0	40	98
29...	1045	9827	9827	69	7.43	20.0	40	3.6	2.0	30	130
NOV											
26...	1100	9827	9827	290	7.22	16.0	30	5.4	1.0	<10	74
JAN, 1986											
07...	1308	9827	9827	1700	7.00	4.0	40	9.5	1.7	12	32
FEB											
04...	1320	9827	9827	2100	7.20	13.0	70	8.0	.4	600	54
MAR											
04...	1251	9827	9827	770	7.19	12.0	55	8.1	1.7	88	38
APR											
01...	1305	9827	9827	1300	6.88	20.0	65	6.8	1.8	20	32
MAY											
06...	1336	9827	9827	1300	7.07	22.0	120	5.9	1.8	90	40
JUN											
03...	1405	9827	9827	280	7.15	27.0	55	3.0	2.1	20	44
JUL											
01...	1306	9827	9827	320	7.24	29.0	55	4.5	1.9	68	52
AUG											
05...	1231	9827	9827	--	7.97	30.0	15	--	2.5	4	200
SEP											
09...	1311	9827	9827	--	--	27.0	15	7.1	4.8	12	220
30...	1034	9827	9827	--	8.08	28.0	20	4.6	.9	150	200
DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)
OCT, 1985											
01...	1140	14	59	233	36	.09	.080	.120	.070	<1	<1
29...	1045	17	45	221	--	.50	.060	.140	.090	<1	1
NOV											
26...	1100	20	40	170	25	.20	.060	.160	.100	<1	1
JAN, 1986											
07...	1308	12	11	117	13	.12	.080	.170	.140	--	4
FEB											
04...	1320	14	20	134	68	.27	.190	.200	.150	<1	3
MAR											
04...	1251	14	16	135	44	.26	.160	.270	.190	<1	3
APR											
01...	1305	--	9.5	137	64	.11	.100	.240	.140	1	5
MAY											
06...	1336	--	11	145	96	.32	.140	.280	.210	<1	2
JUN											
03...	1405	9.0	15	130	38	.44	.130	.260	.170	<1	13
JUL											
01...	1306	12	--	70	58	.25	.060	.290	--	<1	2
AUG											
05...	1231	20	36	288	28	.02	.010	.160	.060	<1	<1
SEP											
09...	1311	20	40	325	18	<.01	.010	.100	.070	<1	<1
30...	1034	21	--	320	18	.02	.010	.120	.100	<1	<1

ARKANSAS RIVER BASIN

07265099 BAYOU METO NEAR BAYOU METO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)
OCT, 1985											
01...	1140	<15	2	--	20	<.002	<.01	--	<.002	<.01	<.01
29...	1045	<15	2	--	<10	--	--	--	--	--	--
NOV											
26...	1100	<15	3	--	--	--	--	--	--	--	--
JAN, 1986											
07...	1308	<15	3	.10	--	--	--	--	--	--	--
FEB											
04...	1320	<15	4	--	10	--	--	--	--	--	--
MAR											
04...	1251	<15	5	--	20	<.002	<.01	<.01	<.002	<.01	<.01
APR											
01...	1305	<15	3	--	30	--	--	--	--	--	--
MAY											
06...	1336	22	6	--	--	--	--	--	--	--	--
JUN											
03...	1405	--	4	--	40	<.002	<.01	--	<.002	<.01	<.01
JUL											
01...	1306	<15	6	--	--	--	--	--	--	--	--
AUG											
05...	1231	<15	2	--	10	--	--	--	--	--	--
SEP											
09...	1311	<15	4	--	10	<.002	<.01	--	<.002	<.01	<.01
30...	1034	<15	1	--	10	--	--	--	--	--	--

DATE	TIME	P,P' DDT, TOTAL (UG/L) (39300)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
OCT, 1985										
01...	1140	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
MAR, 1986										
04...	1251	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
JUN, 1986										
03...	1405	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
SEP, 1986										
09...	1311	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLET, 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 mi², of which 22,241 mi² 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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
OCT, 1985											
08...	1115	80513	80010	38800	560	8.20	20.0	15	8.3	91	764
DEC											
04...	1000	80513	80020	196000	262	8.20	5.0	60	8.2	64	768
FEB, 1986											
12...	1130	80513	80513	60500	565	8.40	6.0	19	12.4	98	772
APR											
10...	1045	80513	80020	140000	509	7.75	16.0	35	8.8	89	762
JUN											
04...	0930	80513	80020	64700	647	7.95	24.0	45	7.8	93	759
SEP											
03...	1035	80513	80020	16200	646	8.20	26.5	3.3	8.2	102	761
DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	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)
OCT, 1985											
08...	1115	56	600	140	38	42	8.5	43	39	2	3.6
DEC											
04...	1000	80	620	80	22	24	4.8	18	32	9	3.0
FEB, 1986											
12...	1130	20	4	130	69	36	8.8	68	53	3	3.1
APR											
10...	1045	71	1800	110	37	32	7.5	49	48	2	2.6
JUN											
04...	0930	K37	8500	140	49	38	10	63	50	2	3.0
SEP											
03...	1035	30	740	130	33	38	9.4	74	54	3	3.6

ARKANSAS RIVER BASIN

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLET, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	ALKA- LITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
OCT, 1985											
08...	1115	102	37	57	.20	3.1	285	260	.39	--	<.010
DEC											
04...	1000	57	25	27	.10	7.0	142	150	.19	.51	.010
FEB, 1986											
12...	1130	57	40	100	.10	5.8	323	300	.44	--	<.010
APR											
10...	1045	72	31	71	.10	3.7	264	240	.36	--	<.010
JUN											
04...	0930	84	48	93	.20	4.4	360	310	.49	--	<.010
SEP											
03...	1035	100	48	120	.20	1.4	404	360	.55	--	<.050
DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)
OCT, 1985											
08...	1115	.29	<.010	.030	--	1.1	.110	.070	.040	<10	2
DEC											
04...	1000	.52	.070	.070	.63	.70	.150	.040	.030	--	--
FEB, 1986											
12...	1130	.50	.020	.040	.78	.80	.100	.030	.030	30	1
APR											
10...	1045	.45	.050	.060	.65	.70	.120	.060	.040	40	<1
JUN											
04...	0930	.51	.070	.040	.73	.80	.180	.050	.040	--	--
SEP											
03...	1035	<.10	.020	.040	.58	.60	.060	.030	.010	--	--
DATE	TIME	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	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)
OCT, 1985											
08...	1115	86	<.5	<1	<1	<3	4	9	6	8	1
FEB, 1986											
12...	1130	69	<.5	1	<1	<3	4	44	4	<4	2
APR											
10...	1045	64	<.5	<1	<1	<3	5	40	1	5	4

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLET, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	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- PENDE (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT, 1985										
08...	1115	.1	<10	6	<1	<1	310	15	18	1890 95
DEC										
04...	1000	--	--	--	--	--	--	--	112	59300 79
FEB, 1986										
12...	1130	.5	<10	<1	<1	<1	290	38	34	5550 83
APR										
10...	1045	<.1	<10	2	<1	<1	230	15	104	39300 75
JUN										
04...	0930	--	--	--	--	--	--	--	132	23100 68
SEP										
03...	1035	--	--	--	--	--	--	--	8	350 81

MISSISSIPPI RIVER MAIN STEM

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 mi², 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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM, FECAL 0.7 UM-MF (COLS./100 ML) (31625)
OCT, 1985											
29...	1300	80513	80010	409	8.00	18.0	50	8.6	92	754	570
JAN, 1986											
27...	1415	80513	80020	445	8.00	5.0	30	12.1	94	772	K1200
APR											
22...	1600	80513	80020	440	7.80	16.0	3.0	8.6	86	771	410
JUN											
19...	1200	80513	80020	394	7.80	27.0	80	6.2	78	760	K45000
DATE	TIME	STREP-TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	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)
OCT, 1985											
29...	1300	210	140	22	37	12	26	28	1	3.8	129
JAN, 1986											
27...	1415	K420	200	66	53	17	19	17	.6	2.9	136
APR											
22...	1600	96	160	42	43	13	19	20	.7	2.6	119
JUN											
19...	1200	480	160	44	41	13	16	18	.6	3.3	111
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, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT, 1985											
29...	1300	47	33	.20	6.5	245	240	.33	.92	.030	.95
JAN, 1986											
27...	1415	60	23	.20	9.3	265	270	.36	1.7	.020	1.7
APR											
22...	1600	44	23	.20	7.6	246	220	.33	2.0	.020	2.0
JUN											
19...	1200	52	14	.20	6.6	230	210	.31	--	<.010	2.1

07265450 MISSISSIPPI RIVER NEAR ARKANSAS CITY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)
OCT, 1985											
29...	1300	.020	.020	1.7	1.7	.100	.060	.080	10	1	72
JAN, 1986											
27...	1415	.120	.110	.68	.80	.160	.050	.050	20	1	68
APR											
22...	1600	.050	.040	.75	.80	.220	.070	.060	--	--	--
JUN											
19...	1200	.060	.020	.94	1.0	.300	.080	.070	20	1	73
DATE	TIME	BERYL- LIUM DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM DIS- SOLVED (UG/L AS CR) (01030)	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)	
OCT, 1985											
29...	1300	.8	2	1	<3	16	12	11	11	2	
JAN, 1986											
27..	1415	<.5	<1	3	<3	3	22	1	10	11	
JUN											
19...	1200	<.5	3	<1	<3	6	20	<5	10	11	
DATE	TIME	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	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- PENDE (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	
OCT, 1985											
29...	1300	<.1	<10	4	<1	<1	200	11	257	86	
JAN, 1986											
27...	1415	<.1	<10	<1	<1	2	210	13	95	72	
APR											
22...	1600	--	--	--	--	--	--	--	137	88	
JUN											
19...	1200	<.1	<10	<1	<1	<1	170	21	234	93	

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 mi², of which 5,936 mi² 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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985										
15...	1130	9827	9827	2180	8.18	24.0	20	6.9	3.2	140
NOV										
06...	1040	9827	9827	12800	8.04	15.0	170	8.9	1.7	270
DEC										
10...	1130	9827	9827	19400	7.87	12.0	95	10.5	1.5	80
JAN, 1986										
21...	1100	9827	9827	2480	8.20	12.0	8.0	11.5	4.6	16
FEB										
19...	1100	9827	9827	11100	7.85	12.0	85	10.4	1.6	170
MAR										
18...	1130	9827	9827	8020	7.95	17.0	110	8.9	2.8	230
APR										
15...	1130	9827	9827	13800	7.89	19.0	65	8.4	1.2	80
MAY										
20...	1200	9827	9827	37200	8.24	22.0	270	6.7	1.5	110
JUN										
17...	1030	9827	9827	21800	--	26.0	70	7.6	1.5	100
JUL										
29...	1030	9827	9827	3980	--	32.0	25	7.6	4.5	<4
AUG										
19...	1045	9827	9827	4480	8.35	30.0	35	7.0	2.9	16
SEP										
16...	1120	9827	9827	7430	8.56	26.0	45	8.0	1.9	670
DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT, 1985										
15...	1130	270	82	88	--	31	.04	.010	.080	.040
NOV										
06...	1040	210	110	160	523	241	.18	.040	.210	.060
DEC										
10...	1130	82	33	42	206	128	.20	.090	.140	.070
JAN, 1986										
21...	1100	280	91	180	650	22	.04	.030	.060	<.010
FEB										
19...	1100	96	37	51	242	144	.28	.360	.170	.070
MAR										
18...	1130	140	68	82	336	244	.10	.100	.190	.060
APR										
15...	1130	170	83	120	426	122	.20	.070	.120	.060
MAY										
20...	1200	120	44	55	148	332	.33	.110	.300	--
JUN										
17...	1030	230	120	200	604	112	.21	.010	--	.040
JUL										
29...	1030	300	170	250	803	52	.02	.040	.110	<.010
AUG										
19...	1045	--	99	250	--	54	.05	.010	.100	.010
SEP										
16...	1120	260	--	220	705	95	.03	.010	.080	.050

07336860 RED RIVER NEAR FOREMAN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
15...	1130	10	1	1	36	90	--	1	50
NOV									
06...	1040	--	<1	9	34	66	--	--	200
DEC									
10...	1130	--	<1	2	27	--	--	--	110
JAN, 1986									
21...	1100	4	2	<1	<15	50	<.50	<1	10
FEB									
19...	1100	--	<1	<1	<15	6	--	--	--
MAR									
18...	1130	--	1	6	<15	12	--	--	20
APR									
15...	1130	8	<1	6	<15	7	--	<1	10
MAY									
20...	1200	--	<1	8	<15	4	--	--	<10
JUN									
17...	1030	--	<1	7	<15	4	--	--	20
JUL									
29...	1030	3	<1	2	<15	--	--	--	10
AUG									
19...	1045	--	<1	2	<15	19	--	--	30
SEP									
16...	1120	--	--	4	<15	4	--	--	<10

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 mi², of which 5,936 mi² 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.--50 years, 11,840 ft³/s, 8,578,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 297,000 ft³/s Feb. 23, 1938, gage height, 34.25 ft; minimum, 378 ft³/s Nov. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 49,200 ft³/s June 7, gage height, 15.70 ft; minimum daily, 1,180 ft³/s Oct. 13, 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1960	16000	32600	4500	2980	3940	3900	25100	23600	10800	3700	2270
2	2060	17600	32000	4040	3140	3690	3600	26500	24500	9630	3690	2440
3	1790	16000	30700	3320	2960	3280	3270	21800	28800	9980	3720	2500
4	1580	15600	28500	3080	7200	3360	3320	17900	32500	11400	3690	2160
5	1450	14400	28400	3130	28000	3960	15900	16400	34100	10200	3890	1990
6	1390	12500	27500	2880	40300	4160	37200	16800	37500	9540	4340	2020
7	1350	11400	24400	2840	36500	3700	35800	16600	45900	9670	4420	2150
8	1300	10900	21400	3640	34100	3450	27300	14900	46900	8690	4210	3020
9	1260	10300	19600	3860	34600	3420	25100	12300	41400	7790	4040	8590
10	1230	8810	19000	3960	29300	3390	23200	10100	40200	7280	4030	14200
11	1210	8160	25700	4360	25100	3270	20200	8130	44500	7050	3840	13200
12	1190	11500	32700	4660	22500	3100	18900	7800	45800	6470	3690	9640
13	1180	10800	28400	4850	20500	3400	16900	8840	40600	5700	3520	8480
14	1180	7210	22300	4690	19000	3430	14600	9810	37300	5380	3410	7890
15	1500	6330	18900	4220	18400	3800	13800	13000	32300	5230	3360	7110
16	2000	7050	17000	3400	16400	5970	13400	13500	27300	5110	3310	6840
17	2810	13500	14900	2780	14100	6990	13000	13900	23800	5010	3540	6810
18	3180	24700	11800	2580	13100	7820	12300	21000	22100	4950	3770	6510
19	3110	25500	9010	2850	12200	9390	10200	28200	25300	4870	3850	6350
20	2940	28100	7610	3030	11300	8830	11300	31900	30300	4820	4050	6580
21	3230	31100	7060	3060	9580	7800	19200	33700	28600	4750	3960	6890
22	7580	28600	6520	2970	7120	9150	29000	31300	23900	4500	3260	7030
23	12300	26800	6080	2740	5990	10800	29800	29300	22800	4230	3160	7280
24	13400	24800	5700	2400	5160	11300	29500	26500	24300	3600	2970	7400
25	12700	22800	5340	2280	4610	10600	30100	24200	24000	2890	2880	7470
26	11700	21000	5080	2710	4680	8950	29900	25700	23400	2740	2730	7450
27	11000	20800	5260	3110	5030	6860	28100	29600	24000	3410	2380	8050
28	10800	26500	5470	3690	4340	4730	26300	27600	20600	3760	2250	9280
29	10800	32200	4640	4000	---	4540	24300	26100	16100	3800	2050	9700
30	10900	32600	3910	3670	---	4960	24700	25600	12700	3780	1860	9570
31	11700	---	4050	3120	---	4370	---	24200	---	3750	1920	---
TOTAL	151780	543560	511530	106420	438190	176410	594090	638280	905100	190780	105490	200870
MEAN	4896	18120	16500	3433	15650	5691	19800	20590	30170	6154	3403	6696
MAX	13400	32600	32700	4850	40300	11300	37200	33700	46900	11400	4420	14200
MIN	1180	6330	3910	2280	2960	3100	3270	7800	12700	2740	1860	1990
AC-FT	301100	1078000	1015000	211100	869100	349900	1178000	1266000	1795000	378400	209200	398400
CAL YR 1985	TOTAL	7331250	MEAN	20090	MAX	56500	MIN	1180	AC-FT	14542000		
WTR YR 1986	TOTAL	4562500	MEAN	12500	MAX	46900	MIN	1180	AC-FT	9050000		

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
NOV, 1985											
05...	0900	80513	80010	14800	890	7.70	12.0	85	9.2	86	761
JAN, 1986											
07...	1330	80513	80020	2810	865	8.20	7.0	23	12.2	100	768
MAR											
31...	1200	80513	80020	4190	962	7.90	20.5	12	9.8	110	759
APR											
15...	1415	80513	80020	13500	695	8.30	21.0	--	8.4	95	760
JUL											
22...	1030	80513	80020	4470	1360	8.50	31.0	3.4	6.6	90	759
AUG											
19...	1245	80513	80020	3940	1010	8.10	30.5	18	10.2	138	757
DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	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)
NOV, 1985											
05...	0900	K360	680	190	100	52	15	100	53	3	4.1
JAN, 1986											
07...	1330	76	100	230	45	66	17	82	43	2	4.4
MAR											
31...	1200	36	16	220	39	63	16	93	47	3	3.7
APR											
15...	1415	140	72	--	--	--	--	--	--	--	--
JUL											
22...	1030	K8	84	310	150	83	25	150	51	4	4.8
AUG											
19...	1245	4	220	300	140	79	24	160	54	4	4.5
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)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
NOV, 1985											
05...	0900	90	100	160	.40	2.7	566	490	.77	.22	.020
JAN, 1986											
07...	1330	190	89	140	.20	7.1	499	520	.68	.17	.010
MAR											
31...	1200	216	95	140	.30	4.8	527	530	.72	--	--
APR											
15...	1415	80	--	--	--	--	--	--	--	--	<.010
JUL											
22...	1030	166	160	240	.40	4.4	752	780	1.0	--	.020
AUG											
19...	1245	149	160	240	.30	4.7	747	760	1.0	--	<.010

RED RIVER BASIN

07337000 RED RIVER AT INDEX, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	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, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)
NOV, 1985											
05...	0900	.24	.340	.070	.36	.70	.110	.030	.010	40	<1
JAN, 1986											
07...	1330	.18	.090	.090	.71	.80	.090	.020	.010	--	--
MAR											
31...	1200	--	--	--	--	--	--	--	--	90	1
APR											
15...	1415	.16	.080	.040	.72	.80	.140	.040	.030	--	--
JUL											
22...	1030	<.10	.050	.060	1.1	1.1	.090	.020	<.010	30	2
AUG											
19...	1245	<.10	.040	.020	.86	.90	.100	.020	<.010	--	--
DATE	TIME	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	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)
NOV, 1985											
05...	0900	170	1.0	<1	<1	<3	4	36	3	7	2
MAR, 1986											
31...	1200	190	<.5	<1	<1	<3	7	71	1	10	28
JUL, 1986											
22...	1030	190	<.5	<1	<1	<3	4	21	<5	15	26
DATE	TIME	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	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, DIS- SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV, 1985											
05...	0900	<.1	<10	2	<1	<1	540	63	620	24800	61
JAN, 1986											
07...	1330	--	--	--	--	--	--	--	34	258	84
MAR											
31...	1200	<.1	<10	3	<1	<1	560	86	31	351	75
APR											
15...	1415	--	--	--	--	--	--	--	341	12400	73
JUL											
22...	1030	.1	<10	2	<1	<1	860	37	44	531	69
AUG											
19...	1245	--	--	--	--	--	--	--	56	596	84

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985									
22...	1045	9827	9827	7.11	20.0	30	4.0	--	120
NOV									
12...	1030	9827	9827	6.99	--	9.0	9.4	.9	50
DEC									
10...	1030	9827	9827	7.01	11.0	9.0	10.7	1.9	40
JAN, 1986									
28...	1100	9827	9827	6.99	4.0	9.0	--	1.6	10
FEB									
25...	1030	9827	9827	7.14	11.0	8.0	11.3	.9	4
MAR									
25...	1030	9827	9827	7.05	15.0	9.0	10.9	1.0	12
APR									
22...	1100	9827	9827	6.73	14.0	9.0	10.0	.9	52
MAY									
13...	1015	9827	9827	6.86	24.0	20	9.1	2.1	64
JUN									
24...	1115	9827	9827	7.00	30.0	5.5	8.8	3.3	--
JUL									
29...	1015	9827	9827	7.10	30.0	4.5	6.6	1.4	160
AUG									
19...	1100	9827	9827	7.35	28.0	2.5	8.0	1.4	12
SEP									
09...	1030	9827	9827	--	23.0	15	8.1	1.3	18

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985									
22...	1045	20	8.0	4.5	55	20	.21	.430	.250
NOV									
12...	1030	16	8.0	4.5	46	6	.07	.030	--
DEC									
10...	1030	14	3.0	3.0	32	7	.26	.070	.040
JAN, 1986									
28...	1100	12	7.0	3.5	30	12	.04	.090	.020
FEB									
25...	1030	14	9.0	3.0	22	12	.07	.020	.040
MAR									
25...	1030	14	7.0	3.5	35	38	--	.040	.030
APR									
22...	1100	12	3.0	3.5	46	10	.22	.060	--
MAY									
13...	1015	16	7.0	3.0	30	32	.13	.100	.060
JUN									
24...	1115	26	8.0	2.5	32	24	--	<.010	.060
JUL									
29...	1015	18	--	2.5	41	--	.05	.350	.080
AUG									
19...	1100	10	<1.0	2.0	--	7	.07	.010	.040
SEP									
09...	1030	18	--	--	39	7	.10	--	.040

RED RIVER BASIN

07338720 MOUNTAIN FORK NEAR HATFIELD, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985								
22...	1045	.150	<1	23	<15	1	--	<10
NOV								
12...	1030	.080	<1	1	<15	<1	--	<10
DEC								
10...	1030	.030	<1	<1	<15	<1	--	10
JAN, 1986								
28...	1100	.030	<1	3	<15	16	<.50	30
FEB								
25...	1030	.040	<1	2	<15	<1	--	<10
MAR								
25...	1030	<.010	<1	1	<15	1	--	160
APR								
22...	1100	.020	<1	1	<15	1	--	10
MAY								
13...	1015	.080	<1	<1	--	1	--	20
JUN								
24...	1115	.030	<1	1	<15	1	--	<10
JUL								
29...	1015	--	<1	<1	<15	1	--	<10
AUG								
19...	1100	.020	<1	<1	<15	1	--	<10
SEP								
09...	1030	.040	<1	5	<15	<1	--	<10

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 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE (00027)	AGENCY ANA- LYZING SAMPLE (CODE (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											
17...	0900	80513	80020	.00	53.0	35	7.10	21.0	8.4	759	2.40
17...	0902	80513	80020	10.0	53.0	36	7.10	21.5	8.8	759	--
17...	0904	80513	80020	15.0	53.0	37	6.60	20.5	3.4	759	--
17...	0906	80513	80020	20.0	53.0	38	6.50	20.0	2.4	759	--
17...	0908	80513	80020	30.0	53.0	38	6.30	19.5	1.3	759	--
17...	0910	80513	80020	40.0	53.0	44	6.20	19.5	.3	759	--
17...	0912	80513	80020	50.0	53.0	83	6.40	18.5	.1	759	--
17...	0915	80513	80020	53.0	53.0	92	6.50	18.5	.2	759	--
NOV											
19...	0845	80513	80020	.00	61.0	39	6.40	17.5	7.3	755	1.60
19...	0846	80513	80020	10.0	61.0	40	6.50	17.0	6.2	755	--
19...	0848	80513	80020	20.0	61.0	40	6.30	17.0	5.2	755	--
19...	0850	80513	80020	30.0	61.0	41	6.30	16.5	5.0	755	--
19...	0852	80513	80020	40.0	61.0	38	6.20	16.5	6.4	755	--
19...	0854	80513	80020	50.0	61.0	38	6.20	16.0	6.9	755	--
19...	0856	80513	80020	60.0	61.0	38	6.30	16.0	7.3	755	--
19...	0858	80513	80020	61.0	61.0	38	6.20	16.0	7.4	755	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE (00027)	AGENCY ANA- LYZING SAMPLE (CODE (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)
DEC										
10...	1030	80513	80020	.00	73.0	35	6.40	12.0	8.9	755
10...	1031	80513	80020	3.00	73.0	35	6.40	12.0	8.5	755
10...	1033	80513	80020	10.0	73.0	35	8.40	12.0	8.2	755
10...	1035	80513	80020	14.0	73.0	36	6.30	11.5	8.1	755
10...	1038	80513	80020	20.0	73.0	35	6.30	11.5	8.1	755
10...	1040	80513	80020	30.0	73.0	34	6.30	11.5	8.2	755
10...	1042	80513	80020	40.0	73.0	34	6.30	11.5	8.1	755
10...	1045	80513	80020	45.0	73.0	33	6.20	10.5	8.2	755
10...	1047	80513	80020	50.0	73.0	33	6.20	10.0	8.7	755
10...	1050	80513	80020	56.0	73.0	31	6.20	10.0	8.6	755
10...	1052	80513	80020	60.0	73.0	32	6.20	9.5	8.6	755
10...	1054	80513	80020	70.0	73.0	32	6.10	9.5	8.6	755
10...	1056	80513	80020	73.0	73.0	32	6.10	9.5	8.5	755

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LITY FIELD AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
DEC									
10...	1030	1.40	13	--	--	--	--	--	--
10...	1035	--	--	25	1.0	14	10	6.4	5.2
10...	1050	--	--	30	1.1	12	9	6.7	3.0

RED RIVER BASIN

07339450 DEQUEEN LAKE NEAR DEQUFEN. ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		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 P04) (71886)	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											
10..	1031	.40	.020	<.010	.06	--	--	--	--		
10...	1035	.40	.020	<.010	.06	150	<1	<10	3		
10...	1050	.40	.030	.010	.09	280	<1	<10	3		
		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											
10...	1031	--	--	--	--	--	--	1.10	<.100		
10...	1035	380	3	40	<.10	6	20	--	--		
10...	1050	330	1	70	<.10	6	60	--	--		
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	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											
15...	0800	80513	80020	.00	64.0	33	6.50	7.0	11.6	756	1.30
15...	0802	80513	80020	10.0	64.0	32	6.50	7.0	11.3	756	--
15...	0804	80513	80020	20.0	64.0	31	6.50	7.0	10.8	756	--
15...	0806	80513	80020	30.0	64.0	31	6.50	6.5	10.4	756	--
15...	0808	80513	80020	40.0	64.0	31	6.50	6.5	10.3	756	--
15...	0810	80513	80020	50.0	64.0	32	6.50	6.5	10.2	756	--
15...	0812	80513	80020	60.0	64.0	32	6.40	6.5	10.2	756	--
15...	0814	80513	80020	64.0	64.0	32	6.50	6.5	10.1	756	--
FEB											
04...	0900	80513	80020	.00	75.0	30	7.00	9.0	11.1	743	1.30
04...	0902	80513	80020	10.0	75.0	30	6.90	8.5	11.1	743	--
04...	0904	80513	80020	20.0	75.0	31	6.90	8.0	11.0	743	--
04...	0906	80513	80020	30.0	75.0	30	6.80	7.5	10.8	743	--
04...	0908	80513	80020	40.0	75.0	30	6.80	7.5	10.8	743	--
04...	0910	80513	80020	50.0	75.0	30	6.80	7.5	10.6	743	--
04...	0912	80513	80020	60.0	75.0	30	6.80	7.5	10.5	743	--
04...	0914	80513	80020	70.0	75.0	30	6.80	7.0	10.4	743	--
04...	0916	80513	80020	75.0	75.0	30	6.80	7.0	10.3	743	--
MAR											
12...	1030	80513	80020	.00	56.0	30	6.70	13.0	10.2	738	1.50
12...	1032	80513	80020	10.0	56.0	29	6.70	12.5	10.1	738	--
12...	1034	80513	80020	20.0	56.0	29	6.60	12.5	9.9	738	--
12...	1036	80513	80020	25.0	56.0	30	6.50	11.5	9.4	738	--
12...	1038	80513	80020	30.0	56.0	29	6.40	10.5	9.0	738	--
12...	1040	80513	80020	40.0	56.0	29	6.30	9.5	8.5	738	--
12...	1042	80513	80020	50.0	56.0	30	6.30	9.5	8.4	738	--
12...	1044	80513	80020	56.0	56.0	30	6.20	9.0	8.0	738	--
APR											
15...	0730	80513	80020	.00	65.0	32	7.00	19.5	9.0	755	1.40
15...	0732	80513	80020	10.0	65.0	32	7.00	19.5	8.9	755	--
15...	0734	80513	80020	20.0	65.0	31	6.60	19.0	7.6	755	--
15...	0736	80513	80020	23.0	65.0	31	6.40	18.5	6.3	755	--
15...	0738	80513	80020	25.0	65.0	31	6.30	17.5	6.2	755	--
15...	0740	80513	80020	30.0	65.0	30	6.30	16.5	6.4	755	--
15...	0742	80513	80020	40.0	65.0	30	6.20	15.5	6.4	755	--
15...	0744	80513	80020	50.0	65.0	31	6.20	15.0	5.8	755	--
15...	0746	80513	80020	57.0	65.0	31	6.20	14.0	4.9	755	--
15...	0748	80513	80020	60.0	65.0	34	6.20	13.5	4.2	755	--
15...	0750	80513	80020	62.0	65.0	38	6.10	12.5	2.8	755	--
15...	0752	80513	80020	65.0	65.0	38	6.10	12.0	2.1	755	--

07339450 DEQUEEN LAKE NEAR DEQUEEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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										
13...	1230	80513	80020	.00	70.0	32	8.50	27.0	8.5	749
13...	1231	80513	80020	3.00	70.0	32	8.90	26.0	8.9	749
13...	1232	80513	80020	5.00	70.0	34	8.90	25.0	8.8	749
13...	1233	80513	80020	9.00	70.0	33	8.90	24.0	9.0	749
13...	1234	80513	80020	10.0	70.0	32	8.80	23.5	8.8	749
13...	1236	80513	80020	12.0	70.0	31	7.30	22.5	7.7	749
13...	1240	80513	80020	14.0	70.0	32	6.70	22.0	6.2	749
13...	1242	80513	80020	15.0	70.0	32	6.60	21.0	6.0	749
13...	1243	80513	80020	18.0	70.0	32	6.40	20.0	5.3	749
13...	1245	80513	80020	20.0	70.0	33	6.30	19.5	4.8	749
13...	1247	80513	80020	25.0	70.0	32	6.20	18.5	4.5	749
13...	1250	80513	80020	30.0	70.0	32	6.10	17.5	4.1	749
13...	1252	80513	80020	40.0	70.0	31	6.00	17.0	3.3	749
13...	1253	80513	80020	50.0	70.0	32	6.00	16.5	2.6	749
13...	1255	80513	80020	56.0	70.0	32	6.00	16.0	2.0	749
13...	1257	80513	80020	60.0	70.0	33	6.00	15.5	1.1	749
13...	1300	80513	80020	70.0	70.0	57	6.30	14.5	.3	749

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 CAC03) (00900)	ALKA- LINITY FIELD AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
MAY									
13..	1230	1.52	3	--	--	--	--	--	--
13...	1240	--	--	10	3.0	1.2	9	9	5.1
13...	1255	--	--	30	7.0	.7	10	9	6.1

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									
13...	1231	--	--	.020	<.010	--	--	--	--
13...	1240	3.2	<.10	.020	<.010	50	<1	<10	4
13...	1255	3.1	.30	.030	.010	310	<1	<10	6

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									
13...	1231	--	--	--	--	--	--	9.50	.100
13...	1240	130	1	<10	<.10	8	<10	--	--
13...	1255	440	2	310	<.10	5	<10	--	--

RED RIVER BASIN

07339450 DEQUEEN LAKE NEAR DEQUEEN. ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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									
10...	0715	80513	80020	.00	69.0	34	8.30	27.0	8.5
10...	0716	80513	80020	3.00	69.0	33	8.30	27.0	8.5
10...	0718	80513	80020	6.00	69.0	33	7.20	26.0	7.8
10...	0720	80513	80020	10.0	69.0	34	6.80	25.5	6.8
10...	0722	80513	80020	12.0	69.0	34	6.50	24.5	5.7
10...	0724	80513	80020	17.0	69.0	34	6.30	23.5	4.1
10...	0726	80513	80020	20.0	69.0	34	6.20	23.0	3.5
10...	0728	80513	80020	25.0	69.0	34	6.10	22.0	2.2
10...	0730	80513	80020	30.0	69.0	34	6.10	21.5	2.3
10...	0732	80513	80020	40.0	69.0	37	6.10	20.5	3.6
10...	0734	80513	80020	50.0	69.0	35	6.00	19.5	1.2
10...	0736	80513	80020	60.0	69.0	42	6.10	18.5	.9
10...	0738	80513	80020	69.0	69.0	55	6.30	17.5	.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								
10...	0715	748	1.40	--	--	--	--	--
10...	0716	748	--	<.10	.020	<.010	18.0	.900

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									
16...	0815	80513	80020	.00	55.0	36	7.70	30.5	7.7
16...	0816	80513	80020	3.00	55.0	36	7.70	30.5	7.5
16...	0818	80513	80020	10.0	55.0	36	7.60	30.5	7.4
16...	0820	80513	80020	15.0	55.0	37	6.60	29.0	2.8
16...	0822	80513	80020	17.0	55.0	37	6.20	28.0	1.6
16...	0824	80513	80020	18.0	55.0	37	6.10	27.0	.5
16...	0826	80513	80020	19.0	55.0	38	6.00	26.0	.4
16...	0828	80513	80020	20.0	55.0	38	6.00	24.5	.4
16...	0830	80513	80020	22.0	55.0	38	6.00	23.5	.4
16...	0832	80513	80020	25.0	55.0	39	6.00	22.5	.4
16...	0834	80513	80020	30.0	55.0	39	6.00	21.5	.4
16...	0836	80513	80020	40.0	55.0	45	6.00	20.5	.4
16...	0838	80513	80020	50.0	55.0	54	6.00	19.5	.4
16...	0840	80513	80020	55.0	55.0	59	6.20	19.0	.4

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)	NITRO- GEN AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	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									
16...	0815	763	.98	--	--	--	--	--	--
16...	0816	763	--	<.10	.50	.020	<.010	16.0	.500

07339450 DEQUEEN LAKE NEAR DEQUEEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)
AUG										
19...	1320	80513	80020	.00	70.0	37	7.90	30.5	8.1	752
19...	1321	80513	80020	3.00	70.0	37	8.00	30.5	8.0	752
19...	1323	80513	80020	10.0	70.0	37	8.00	29.5	7.9	752
19...	1325	80513	80020	14.0	70.0	37	7.00	28.5	5.1	752
19...	1326	80513	80020	16.0	70.0	37	6.20	27.5	.8	752
19...	1328	80513	80020	20.0	70.0	39	6.10	26.5	.2	752
19...	1329	80513	80020	22.0	70.0	44	6.10	25.5	.2	752
19...	1330	80513	80020	24.0	70.0	46	6.00	24.5	.2	752
19...	1331	80513	80020	25.0	70.0	45	6.00	23.5	.2	752
19...	1332	80513	80020	26.0	70.0	43	6.00	22.5	.2	752
19...	1333	80513	80020	30.0	70.0	47	6.10	21.5	.2	752
19...	1334	80513	80020	37.0	70.0	54	6.20	20.5	.2	752
19...	1336	80513	80020	40.0	70.0	57	6.30	20.0	.1	752
19...	1338	80513	80020	50.0	70.0	65	6.30	19.5	.2	752
19...	1340	80513	80020	56.0	70.0	70	6.40	19.0	.2	752
19...	1342	80513	80020	60.0	70.0	75	6.40	18.5	.2	752
19...	1344	80513	80020	70.0	70.0	120	6.50	17.5	.2	752

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- CORALT 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- LITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
AUG									
19...	1320		3.00	2	--	--	--	--	--
19...	1325		--	--	5	1.3	9	11	3.8
19...	1340		--	--	120	2.5	1.1	14	12

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)
AUG									
19...	1321	--	--	.010	.010	--	--	--	--
19...	1325	4.0	<.10	.020	.020	<10	<1	<10	3
19...	1340	3.5	<.10	.180	.150	20	5	<10	3

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)
AUG									
19...	1321	--	--	--	--	--	--	8.00	.800
19...	1325	110	<5	30	<.10	1	<10	--	--
19...	1340	5800	<5	1200	<.10	1	<10	--	--

RED RIVER BASIN

07339450 DEQUEEN LAKE NEAR DEQUEEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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									
09...	0800	80513	80020	.00	56.0	37	6.60	25.0	7.4
09...	0801	80513	80020	3.00	56.0	37	6.70	25.0	7.2
09...	0802	80513	80020	10.0	56.0	37	6.70	25.5	7.2
09...	0804	80513	80020	20.0	56.0	38	6.60	25.0	6.2
09...	0806	80513	80020	25.0	56.0	46	6.10	24.0	2.0
09...	0808	80513	80020	28.0	56.0	45	6.10	23.0	.4
09...	0810	80513	80020	30.0	56.0	51	6.00	22.5	.2
09...	0812	80513	80020	35.0	56.0	52	6.20	21.5	.2
09...	0814	80513	80020	40.0	56.0	58	6.20	20.5	.2
09...	0816	80513	80020	50.0	56.0	70	6.30	19.5	.1
09...	0818	80513	80020	56.0	56.0	77	6.40	19.0	.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)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
SEP								
09...	0800	754	2.60	--	--	--	--	--
09...	0801	754	--	<.10	.020	<.010	7.80	1.30

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 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	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)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLOR (PLAT- INUM- COBALT UNIT S) (00080)	TUR- BID- ITY (NTU) (00076)
OCT, 1985											
17...	0830	80513	80020	37	7.10	21.0	5.9	66	760	--	--
NOV											
19...	0815	80513	80020	42	6.10	16.5	9.8	101	756	--	--
DEC											
10...	1130	80513	80020	34	6.30	11.0	11.2	102	757	10	7.1
JAN, 1986											
15...	0725	80513	80020	39	6.00	7.5	11.8	99	759	--	--
FEB											
04...	1000	80513	80020	31	6.90	7.5	11.8	100	746	--	--
MAR											
12...	1000	80513	80020	30	6.20	9.5	11.4	102	742	--	--
APR											
15...	0700	80513	80020	32	6.50	15.0	10.4	104	756	--	--
MAY											
13...	1200	80513	80020	35	6.50	18.5	8.2	89	749	30	5.8
JUN											
10...	0800	80513	80020	35	6.40	20.5	9.5	107	752	--	--
JUL											
16...	0800	80513	80020	38	6.70	29.5	7.1	93	763	--	--
AUG											
19...	1230	80513	80020	68	6.5	20.5	7.5	--	755	100	2.1
SEP											
09...	0730	80513	80020	66	6.40	19.5	7.9	87	756	--	--

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	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)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)
DEC, 1985										
10...	1130	1.3	29	9	6.5	4.2	.40	.030	.010	150
MAY, 1986										
13...	1200	1.7	9	11	5.4	2.8	.20	.040	.020	100
AUG, 1986										
19...	1230	1.9	2	22	11	4.0	<.10	.220	.190	20

DATE	TIME	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS AS) (01002)	ARSENIC TOTAL (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)
DEC, 1985										
10...	1130	<1	<10	2	260	1	60	<.10	6	10
MAY, 1986										
13...	1200	1	<10	7	800	3	500	<.10	3	<10
AUG, 1986										
19...	1230	6	<10	4	6500	<5	1300	<.10	3	<10

RED RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)
OCT, 1985									
15...	1032	9827	9827	6.92	20.0	15	.8	28	>600
NOV									
06...	0920	9827	9827	7.04	11.0	15	8.0	2.1	64
DEC									
10...	1030	9827	9827	7.11	12.0	8.0	10.0	2.3	96
JAN, 1986									
21...	0945	9827	9827	7.07	8.0	8.0	10.4	2.4	82
FEB									
19...	1015	9827	9827	7.01	11.0	7.0	9.1	2.5	16
MAR									
18...	1030	9827	9827	6.89	16.0	15	7.5	4.8	150
APR									
15...	1050	9827	9827	7.32	17.0	15	8.4	3.2	210
MAY									
20...	1100	9827	9827	6.97	18.0	30	7.8	1.9	470
JUN									
17...	0930	9827	9827	--	24.0	80	6.1	--	700
JUL									
29...	0930	9827	9827	--	27.0	25	3.8	1.6	280
AUG									
19...	0930	9827	9827	7.19	25.0	20	4.1	1.9	540
SEP									
16...	1015	9827	9827	7.30	23.0	20	5.7	1.3	220
DATE	TIME	HARD-NESS (MG/L AS CaCO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985									
15...	1032	58	23	49	--	27	.03	<.010	7.30
NOV									
06...	0920	38	22	25	117	4	1.5	.010	2.25
DEC									
10...	1030	26	9.0	9.5	59	8	.79	.070	.510
JAN, 1986									
21...	0945	28	10	9.5	62	9	.55	.170	.390
FEB									
19...	1015	28	12	8.0	67	6	.38	.750	.370
MAR									
18...	1030	34	13	9.0	65	10	.79	.370	.340
APR									
15...	1050	32	6.0	5.5	59	19	.32	.010	.200
MAY									
20...	1100	28	11	5.5	83	22	.17	.050	.230
JUN									
17...	0930	36	13	5.0	100	72	.27	.090	--
JUL									
29...	0930	48	20	38	196	19	1.3	.190	2.60
AUG									
19...	0930	--	30	40	--	20	1.5	.050	3.60
SEP									
16...	1015	42	--	21	111	12	.96	.040	4.80

07339795 BEAR CREEK NEAR HORATIO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985								
15...	1032	4.80	<1	140	45	66	--	10
NOV								
06...	0920	--	<1	4	<15	24	--	30
DEC								
10...	1030	.440	<1	2	<15	--	--	10
JAN, 1986								
21...	0945	.240	<1	2	<15	50	<.50	20
FEB								
19...	1015	.260	<1	<1	<15	5	--	--
MAR								
18...	1030	.230	<1	5	8	50	--	20
APR								
15...	1050	.110	<1	2	<15	10	--	10
MAY								
20...	1100	--	<1	4	15	4	--	<10
JUN								
17...	0930	.190	<1	6	<15	8	--	20
JUL								
29...	0930	2.10	<1	2	<15	--	--	20
AUG								
19...	0930	3.10	<1	3	<15	4	--	20
SEP								
16...	1015	--	--	3	<15	<1	--	<10

RED RIVER BASIN

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 mi².

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.--56 years, 3,803 ft³/s, 2,755,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 120,000 ft³/s Mar. 30, 1945, gage height, 37.70 ft, from rating curve extended above 93,000 ft³/s; minimum, 1.0 ft³/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 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 23,300 ft³/s Apr. 5, gage height, 25.78 ft; minimum daily, 277 ft³/s Oct. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	366	1510	14100	713	396	1510	561	9940	5390	555	1610	293
2	344	1560	13900	800	398	817	545	8370	5250	893	515	324
3	408	1100	13900	735	563	627	2600	6010	7940	3180	351	353
4	349	764	15200	660	9380	1130	11900	2800	9090	2360	327	564
5	458	770	15900	591	14300	1220	22900	2030	8990	1170	579	677
6	345	663	15900	495	14500	1200	20300	4440	9500	836	405	1880
7	277	949	15300	472	14800	1330	10200	2450	9100	716	453	2370
8	355	1050	14700	470	13800	1460	5360	1900	8840	658	398	1240
9	315	827	14400	547	12300	703	8050	1710	8960	794	525	1660
10	331	557	13400	521	10900	565	8550	1350	9930	653	403	2510
11	309	421	14900	521	12700	684	8060	1600	9560	587	356	2840
12	369	405	15400	489	14200	1470	9360	2210	9020	648	527	2660
13	320	388	11800	428	14900	1110	7750	2110	9010	538	438	2630
14	281	412	10400	459	15300	862	6600	3250	8120	400	528	2440
15	329	400	10500	452	14700	867	7980	3890	4820	373	385	2370
16	308	1870	10200	603	14200	1100	7080	5820	4100	1300	499	2300
17	358	6180	9730	447	14000	1730	5490	9100	6360	551	398	1570
18	365	7000	8760	518	13900	1770	4950	10900	7510	334	398	1430
19	556	9250	6740	539	13300	1600	3310	11500	4960	429	683	903
20	2590	9210	4380	463	9820	1600	14100	12200	4460	351	677	1000
21	2040	8610	3280	572	8140	1890	16900	10800	5000	317	1080	690
22	1150	8690	1460	632	4990	1560	13900	10100	3740	782	975	516
23	1450	8450	1140	1090	1760	993	11900	9960	3140	711	1030	521
24	1850	7830	1050	1550	1100	903	11500	10100	3320	422	624	482
25	1340	7520	1340	548	1060	1060	12900	10100	3250	397	377	605
26	1200	7490	1180	417	1310	1330	14400	8500	2410	731	333	885
27	1110	9430	1100	391	1360	932	14900	5470	1940	442	306	830
28	1050	13200	1140	499	1550	777	15200	4910	2050	344	423	533
29	1120	12700	925	395	---	835	14000	6850	978	590	333	478
30	1150	13700	759	528	---	675	11600	8030	589	1910	413	533
31	1380	---	730	390	---	576	---	7960	---	2040	350	---
TOTAL	24173	142906	263614	17935	249627	34886	302846	196360	177327	26012	16699	38087
MEAN	780	4764	8504	579	8915	1125	10090	6334	5911	839	539	1270
MAX	2590	13700	15900	1550	15300	1890	22900	12200	9930	3180	1610	2840
MIN	277	388	730	390	396	565	545	1350	589	317	306	293
AC-FT	47950	283500	522900	35570	495100	69200	600700	389500	351700	51590	33120	75550
CAL YR 1985	TOTAL	1627012		MEAN	4458	MAX	21100	MIN	238	AC-FT	3227000	
WTR YR 1986	TOTAL	1490472		MEAN	4083	MAX	22900	MIN	277	AC-FT	2956000	

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
15...	1045	9827	9827	299	7.09	22.0	3.0	7.5	.4
NOV									
06...	0950	9827	9827	667	7.30	15.0	6.0	9.0	1.0
DEC									
10...	1050	9827	9827	13700	7.18	13.0	15	10.0	1.6
JAN, 1986									
21...	1000	9827	9827	662	7.32	9.0	5.0	11.2	1.0
FEB									
19...	1030	9827	9827	13300	7.02	9.0	15	11.1	1.0
MAR									
18...	1100	9827	9827	1670	7.22	16.0	20	8.5	1.5
APR									
15...	1045	9827	9827	8270	7.03	17.0	10	9.3	.8
MAY									
20...	1130	9827	9827	12500	6.99	18.0	20	8.2	.8
JUN									
17...	1000	9827	9827	6020	--	23.0	10	8.3	.7
JUL									
29...	0945	9827	9827	490	--	30.0	45	7.2	1.0
AUG									
19...	1010	9827	9827	727	7.19	28.0	4.0	6.8	.8
SEP									
16...	1030	9827	9827	2420	7.27	25.0	15	6.8	.3
DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
15...	1045	12	18	7.0	14	--	4	.06	.030
NOV									
06...	0950	4	18	6.0	8.0	51	2	.22	<.010
DEC									
10...	1050	12	28	5.0	6.5	39	31	.16	.120
JAN, 1986									
21...	1000	8	28	9.0	17	68	3	.25	.160
FEB									
19...	1030	12	14	7.0	4.0	46	14	.19	.090
MAR									
18...	1100	56	34	12	13	73	18	.32	.130
APR									
15...	1045	60	18	3.0	5.0	53	22	.19	.100
MAY									
20...	1130	190	26	8.0	3.5	65	20	.16	.060
JUN									
17...	1000	60	22	7.0	3.5	46	9	.19	<.010
JUL									
29...	0945	32	20	5.0	15	61	4	.07	.050
AUG									
19...	1010	32	--	5.0	15	--	5	.11	.010
SEP									
16...	1030	4	16	--	4.0	43	13	.27	.050

RED RIVER BASIN

07340000 LITTLE RIVER NEAR HORATIO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
15...	1045	.050	.050	1	1	35	66	--	470
NOV									
06...	0950	.060	.070	<1	<1	<15	18	--	20
DEC									
10...	1050	.070	.020	<1	1	84	--	--	600
JAN, 1986									
21...	1000	.020	.030	6	<1	16	140	<.50	20
FEB									
19...	1030	.040	.020	<1	6	<15	21	--	--
MAR									
18...	1100	.090	.070	<1	2	<15	1	--	20
APR									
15...	1045	.040	.030	<1	4	<15	10	--	20
MAY									
20...	1130	.090	--	<1	7	<15	6	--	<10
JUN									
17...	1000	--	.020	<1	2	<15	3	--	20
JUL									
29...	0945	.050	.010	<1	1	<15	--	--	30
AUG									
19...	1010	.060	.050	<1	<1	<15	74	--	30
SEP									
16...	1030	.110	.080	--	1	<15	<1	--	<10

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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1967 to current year.

REVISED RECORDS.--WRD Ark. 1978: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 771.88 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Dec. 20 to Jan. 5 and Aug. 30 to Sept. 15. Water-discharge records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--19 years, 197 ft³/s, 29.86 in/yr, 142,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,000 ft³/s Dec. 2, 1982, gage height, 19.50 ft, from rating curve extended above 11,000 ft³/s on basis of step-backwater computations, minimum, 7.2 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 27	0430	*14,500	*14.15	June 2	1015	5,190	9.56
Feb. 3	2330	5,380	9.69				

Minimum discharge, 11 ft³/s Aug. 19, 20, gage height, 1.84 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	161	1190	40	31	39	44	80	56	93	18	30
2	16	96	522	35	31	38	47	76	2070	91	19	30
3	15	68	319	35	1840	37	46	63	1250	70	19	35
4	14	51	227	35	2250	36	754	56	918	59	17	45
5	13	40	172	35	683	35	2320	50	547	56	15	60
6	13	33	137	32	1320	34	707	51	438	44	16	50
7	13	29	115	32	754	33	367	48	293	38	23	45
8	13	26	100	30	411	32	251	43	225	33	48	40
9	13	24	92	30	273	33	182	40	196	30	23	35
10	13	25	157	30	209	37	144	387	164	30	21	35
11	13	25	2010	29	162	38	125	312	414	28	16	40
12	13	24	756	29	132	87	668	196	258	25	36	45
13	13	23	406	28	113	88	387	134	161	24	24	45
14	14	21	260	27	108	76	259	99	116	23	18	45
15	17	706	200	28	96	69	183	168	97	21	16	65
16	16	525	163	28	88	68	145	141	112	19	14	52
17	15	603	136	50	84	62	121	700	88	19	14	37
18	48	1080	116	50	77	83	105	668	69	18	13	31
19	119	425	95	50	71	145	788	402	56	16	12	28
20	61	313	85	49	65	124	1500	241	49	16	12	28
21	38	220	80	48	60	104	519	166	42	16	13	27
22	28	162	70	45	55	90	303	127	38	138	48	26
23	24	121	65	40	52	81	209	103	37	217	617	26
24	22	99	60	39	49	72	159	97	57	68	109	24
25	24	95	60	38	47	65	128	94	48	44	54	24
26	19	799	50	36	46	60	106	81	63	32	35	23
27	17	5380	50	33	45	55	101	69	45	26	124	23
28	23	988	55	33	42	50	131	96	291	23	72	22
29	165	444	45	34	---	48	97	73	244	20	43	21
30	98	295	40	32	---	45	83	58	135	19	40	21
31	322	---	40	31	---	42	---	50	---	17	35	---
TOTAL	1251	12901	7873	1111	9194	1906	10979	4969	8577	1373	1584	1058
MEAN	40.4	430	254	35.8	328	61.5	366	160	286	44.3	51.1	35.3
MAX	322	5380	2010	50	2250	145	2320	700	2070	217	617	65
MIN	13	21	40	27	31	32	44	40	37	16	12	21
CFSM	.45	4.80	2.83	.40	3.66	.69	4.08	1.79	3.19	.49	.57	.39
IN.	.52	5.36	3.27	.46	3.82	.79	4.56	2.06	3.56	.57	.66	.44
AC-FT	2480	25590	15620	2200	18240	3780	21780	9860	17010	2720	3140	2100
CAL YR 1985	TOTAL	75099	MEAN	206	MAX	6190	MIN	10	CFSM	2.30	IN.	31.18
WTR YR 1986	TOTAL	62776	MEAN	172	MAX	5380	MIN	12	CFSM	1.92	IN.	26.06
											AC-FT	149000
											AC-FT	124500

RED RIVER BASIN

07340300 COSSATOT RIVER NEAR VANDERVOORT, ARK.--CONTINUED
(Hydrologic bench-mark station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1985 to current year.

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
NOV, 1985											
18...	1530	80513	80010	813	28	6.40	13.0	5.3	8.4	82	743
JAN, 1986											
14...	1600	80513	80020	27	59	7.30	5.5	.50	12.6	102	743
MAR											
11...	1200	80513	80020	32	52	7.30	14.0	.60	10.5	106	736
MAY											
14...	1545	80513	80020	92	36	7.20	24.0	2.8	8.4	104	735
JUL											
15...	1400	80513	80020	20	59	7.90	30.5	1.5	8.5	115	755
AUG											
19...	1530	80513	80020	20	57	7.20	28.0	1.1	8.2	108	743
DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOC- CI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	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)
NOV, 1985											
18...	1530	K210	K980	8	3	1.7	.81	1.5	27	.2	.90
JAN, 1986											
14...	1600	0	6	20	1	5.5	1.4	1.9	17	.2	.50
MAR											
11...	1200	22	18	19	2	5.2	1.4	2.0	17	.2	2.2
MAY											
14...	1545	23	430	11	0	2.7	.95	1.6	23	.2	.70
JUL											
15...	1400	42	430	21	0	5.8	1.6	2.2	18	.2	.80
AUG											
19...	1530	10	120	21	1	5.9	1.5	1.9	16	.2	.70
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)	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, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
NOV, 1985											
18...	1530	6	4.0	1.8	<.10	7.3	19	21	.03	<.010	<.10
JAN, 1986											
14...	1600	19	4.7	1.8	<.10	7.0	31	34	.04	<.010	<.10
MAR											
11...	1200	17	2.0	4.6	<.10	7.5	34	35	.05	<.010	<.10
MAY											
14...	1545	12	3.3	1.4	<.10	7.7	28	25	.04	<.010	<.10
JUL											
15...	1400	23	4.2	2.2	<.10	7.1	44	38	.06	<.010	<.10
AUG											
19...	1530	20	4.5	2.5	.10	6.6	33	36	.04	<.010	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	NITRO- GEN, AMMONIA (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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)
NOV, 1985											
18...	1530	.030	<.010	--	<.10	.040	.030	<.010	50	<1	10
JAN, 1986											
14...	1600	.020	.020	.18	.20	<.010	.010	.010	--	--	--
MAR											
11...	1200	.040	.030	--	<.20	<.010	<.010	<.010	<10	<1	15
MAY											
14...	1545	.020	.020	.18	.20	<.010	.020	<.010	--	--	--
JUL											
15...	1400	.020	.030	--	<.20	.010	.020	.010	--	--	--
AUG											
19...	1530	.020	.010	--	<.20	.010	.020	<.010	--	--	--

DATE	TIME	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	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, 1985 18...	1530	<.5	<1	<1	<3	2	51	4	<4	4	<.1
MAR, 1986 11...	1200	<.5	<1	<1	<3	<1	13	3	<4	4	<.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, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV, 1985										
18...	1530	<10	3	<1	<1	8	7	2	4.4	100
JAN, 1986										
14...	1600	--	--	--	--	--	--	0,	.00	100
MAR										
11...	1200	<10	2	<1	<1	19	17	6	.52	67
MAY										
14...	1545	--	--	--	--	--	--	8	2.0	64
JUL										
15...	1400	--	--	--	--	--	--	2	.11	100
AUG										
19...	1530	--	--	--	--	--	--	1	.05	75

RED RIVER BASIN

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
OCT, 1985											
15...	0840	9827	9827	7.35	21.0	1.0	7.9	.9	59	32	6.0
NOV											
06...	0825	9827	9827	7.35	10.0	4.0	10.4	1.0	6	18	8.0
DEC											
10...	0900	9827	9827	7.21	10.0	3.0	10.9	--	8	14	4.0
JAN, 1986											
21...	0830	9827	9827	7.45	7.0	1.0	11.3	.8	4	20	9.0
FEB											
19...	0900	9827	9827	7.23	10.0	2.0	10.7	.7	12	16	7.0
MAR											
18...	0900	9827	9827	7.31	15.0	2.0	9.5	1.3	8	16	9.0
APR											
15...	0900	9827	9827	7.11	15.0	5.0	10.0	.7	12	12	5.0
MAY											
20...	0930	9827	9827	7.12	17.0	6.0	9.8	.5	12	20	7.0
JUN											
17...	0850	9827	9827	--	25.0	2.0	8.1	.5	<10	16	7.0
JUL											
29...	0830	9827	9827	--	28.0	1.6	6.0	.7	16	20	7.0
AUG											
19...	0820	9827	9827	7.49	26.0	1.0	6.4	.6	<4	--	2.0
SEP											
16...	0830	9827	9827	7.45	30.0	3.4	7.5	.4	14	18	--
DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)
OCT, 1985											
15...	0840	3.0	--	2	.04	.020	.010	.030	9	<1	7
NOV											
06...	0825	2.5	24	--	.01	<.010	.030	.030	--	<1	1
DEC											
10...	0900	2.5	27	4	.06	.060	.020	.010	--	<1	<1
JAN, 1986											
21...	0830	2.5	34	1	.03	.050	<.010	<.010	1	<1	<1
FEB											
19...	0900	4.0	30	<1	.03	.060	.020	.010	--	<1	<1
MAR											
18...	0900	3.0	18	4	.03	.070	.020	.020	--	<1	1
APR											
15...	0900	3.0	31	6	.05	.020	.010	.020	1	<1	2
MAY											
20...	0930	2.5	44	5	.07	.040	.030	--	--	<1	8
JUN											
17...	0850	3.3	40	4	.09	<.010	--	.010	--	<1	5
JUL											
29...	0830	2.0	44	2	.03	.040	.010	<.010	--	<1	1
AUG											
19...	0820	2.5	--	2	.05	.010	<.010	<.010	--	<1	<1
SEP											
16...	0830	3.0	24	4	.06	.010	.060	.030	--	--	<1

07340400 COSSATOT RIVER NEAR UMPIRE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)	LINDANE TOTAL (UG/L) (39340)	P, P' DDD, TOTAL (UG/L) (39310)
OCT, 1985											
15...	0840	<15	38	--	<1	10	<.002	<.01	--	<.002	<.01
NOV											
06...	0825	<15	14	--	--	10	--	--	--	--	--
DEC											
10...	0900	<15	--	--	--	10	--	--	--	--	--
JAN, 1986											
21...	0830	<15	3	<.50	<1	30	--	--	--	--	--
FEB											
19...	0900	<15	19	--	--	--	--	--	--	--	--
MAR											
18...	0900	15	27	--	--	20	<.002	<.01	<.01	<.002	<.01
APR											
15...	0900	<15	5	--	1	10	--	--	--	--	--
MAY											
20...	0930	<15	4	--	--	<10	<.002	<.01	--	<.002	<.01
JUN											
17...	0850	<15	2	--	--	<10	--	--	--	--	--
JUL											
29...	0830	<15	--	--	--	20	<.002	<.01	--	<.002	<.01
AUG											
19...	0820	<15	5	--	--	<10	--	--	--	--	--
SEP											
16...	0830	<15	2	--	--	<10	--	--	--	--	--

DATE	TIME	P, P' DDE, TOTAL (UG/L) (39320)	P, P' DDT, TOTAL (UG/L) (39300)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
OCT, 1985											
15...	0840	<.01	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
MAR, 1986											
18...	0900	<.01	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
MAY, 1986											
20...	0930	<.01	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
JUL, 1986											
29...	0830	<.01	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1

RED RIVER BASIN

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 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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											
17...	1000	80513	80020	.00	50.0	37	7.40	21.5	8.4	758	1.50
17...	1002	80513	80020	10.0	50.0	37	7.30	21.5	7.1	758	--
17...	1004	80513	80020	15.0	50.0	38	6.50	20.0	3.3	758	--
17...	1006	80513	80020	20.0	50.0	37	6.40	20.0	3.0	758	--
17...	1008	80513	80020	30.0	50.0	39	6.20	20.0	2.0	758	--
17...	1010	80513	80020	40.0	50.0	60	6.30	19.5	.3	758	--
17...	1015	80513	80020	50.0	50.0	87	6.40	18.0	.2	758	--
NOV											
19...	1010	80513	80020	.00	77.0	41	6.60	17.5	7.3	753	1.20
19...	1012	80513	80020	10.0	77.0	41	6.50	17.0	6.2	753	--
19...	1014	80513	80020	20.0	77.0	40	6.50	17.0	6.1	753	--
19...	1016	80513	80020	30.0	77.0	41	6.30	16.5	5.4	753	--
19...	1018	80513	80020	40.0	77.0	38	6.30	16.0	6.2	753	--
19...	1020	80513	80020	50.0	77.0	36	6.30	15.5	6.5	753	--
19...	1022	80513	80020	60.0	77.0	35	6.30	15.5	6.8	753	--
19...	1024	80513	80020	70.0	77.0	40	6.20	15.5	4.9	753	--
19...	1026	80513	80020	77.0	77.0	221	6.60	15.0	.4	753	--

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)
DEC										
11...	1000	80513	80020	.00	75.0	30	6.20	12.5	8.6	754
11...	1001	80513	80020	3.00	75.0	29	6.30	12.5	8.6	754
11...	1003	80513	80020	10.0	75.0	30	6.30	12.5	8.6	754
11...	1005	80513	80020	15.0	75.0	30	6.20	12.5	8.5	754
11...	1008	80513	80020	20.0	75.0	30	6.30	12.5	8.5	754
11...	1010	80513	80020	30.0	75.0	30	6.30	12.5	8.3	754
11...	1013	80513	80020	40.0	75.0	26	6.20	11.5	8.3	754
11...	1015	80513	80020	43.0	75.0	24	6.10	10.0	8.8	754
11...	1018	80513	80020	50.0	75.0	25	6.10	9.5	9.1	754
11...	1020	80513	80020	60.0	75.0	25	6.10	9.0	9.2	754
11...	1023	80513	80020	70.0	75.0	26	6.10	9.0	9.1	754
11...	1025	80513	80020	75.0	75.0	25	6.10	9.0	9.1	754

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- CORALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	OXYGEN DEMAND, RIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LINITY FIELD AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDF, DIS- SOLVED (MG/L AS CL) (00940)
DEC										
11...	1000	.70	8	--	--	--	--	--	--	--
11...	1005	--	--	30	9.0	1.0	9	10	6.8	4.0
11...	1020	--	--	20	11	.8	10	8	6.1	4.0

07340450 GILLHAM LAKE NEAR GILLHAM, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		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 P04) (71886)	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)		
DATE	TIME										
DEC											
11...	1001	.20	.020	<.010	.06	--	--	--	--		
11...	1005	.20	.020	<.010	.06	230	<1	<10	3		
11...	1020	.20	.020	<.010	.06	290	<1	<10	2		
		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)		
DATE	TIME										
DEC											
11...	1001	--	--	--	--	--	--	2.90	.400		
11...	1005	260	1	20	<.10	6	100	--	--		
11...	1020	330	1	80	<.10	6	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)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JAN											
15...	0920	80513	80020	.00	65.0	27	6.80	6.0	11.5	757	.91
15...	0922	80513	80020	10.0	65.0	27	6.70	6.5	10.9	757	--
15...	0924	80513	80020	20.0	65.0	27	6.56	6.0	10.5	757	--
15...	0926	80513	80020	30.0	65.0	27	6.50	6.0	10.3	757	--
15...	0928	80513	80020	40.0	65.0	27	6.50	6.0	9.9	757	--
15...	0930	80513	80020	50.0	65.0	27	6.40	6.0	9.7	757	--
15...	0932	80513	80020	60.0	65.0	28	6.40	6.0	9.7	757	--
15...	0934	80513	80020	65.0	65.0	27	6.40	6.0	9.8	757	--
FEB											
04...	0750	80513	80020	.00	75.0	26	6.50	9.5	10.9	742	1.00
04...	0752	80513	80020	3.00	75.0	26	6.50	8.5	10.8	742	--
04...	0754	80513	80020	10.0	75.0	26	6.40	8.0	10.8	742	--
04...	0756	80513	80020	20.0	75.0	27	6.40	7.5	10.7	742	--
04...	0758	80513	80020	30.0	75.0	36	6.40	7.0	10.6	742	--
04...	0800	80513	80020	40.0	75.0	28	6.30	7.0	10.3	742	--
04...	0802	80513	80020	50.0	75.0	25	6.30	6.5	10.2	742	--
04...	0804	80513	80020	60.0	75.0	26	6.30	6.5	10.2	742	--
04...	0806	80513	80020	70.0	75.0	27	6.30	6.5	10.1	742	--
04...	0808	80513	80020	75.0	75.0	26	6.40	6.5	10.0	742	--
MAR											
12...	1200	80513	80020	.00	65.0	25	6.70	13.0	10.4	736	1.60
12...	1202	80513	80020	10.0	65.0	24	6.70	12.5	10.3	736	--
12...	1204	80513	80020	20.0	65.0	25	6.60	11.5	9.6	736	--
12...	1206	80513	80020	23.0	65.0	23	6.40	10.5	9.3	736	--
12...	1208	80513	80020	30.0	65.0	24	6.40	9.5	9.0	736	--
12...	1210	80513	80020	40.0	65.0	25	6.20	8.5	8.6	736	--
12...	1212	80513	80020	50.0	65.0	25	6.20	8.0	8.5	736	--
12...	1214	80513	80020	60.0	65.0	25	6.20	8.0	8.4	736	--
12...	1216	80513	80020	65.0	65.0	25	6.20	7.5	8.1	736	--
APR											
15...	0900	80513	80020	.00	74.0	30	7.00	19.0	9.2	753	1.30
15...	0902	80513	80020	10.0	74.0	29	7.00	19.0	9.1	753	--
15...	0904	80513	80020	20.0	74.0	28	6.80	18.5	8.1	753	--
15...	0906	80513	80020	22.0	74.0	28	6.50	17.5	7.4	753	--
15...	0908	80513	80020	23.0	74.0	27	6.50	16.5	7.5	753	--
15...	0910	80513	80020	30.0	74.0	26	6.40	16.0	7.5	753	--
15...	0912	80513	80020	40.0	74.0	25	6.40	15.5	7.4	753	--
15...	0914	80513	80020	50.0	74.0	26	6.40	15.0	7.2	753	--
15...	0916	80513	80020	60.0	74.0	29	6.30	14.5	6.3	753	--
15...	0918	80513	80020	70.0	74.0	30	6.20	13.5	5.0	753	--
15...	0920	80513	80020	71.0	74.0	32	6.10	10.5	4.4	753	--
15...	0922	80513	80020	74.0	74.0	33	6.10	10.5	4.3	753	--

RED RIVER BASIN

07340450 GILLHAM LAKE NEAR GILLHAM, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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										
14...	1345	80513	80020	.00	70.0	27	8.20	25.0	9.4	744
14...	1346	80513	80020	3.00	70.0	27	8.20	25.0	9.4	744
14...	1347	80513	80020	6.00	70.0	27	8.30	24.0	9.4	744
14...	1348	80513	80020	10.0	70.0	27	7.40	23.0	9.0	744
14...	1349	80513	80020	12.0	70.0	27	6.80	22.0	8.3	744
14...	1350	80513	80020	14.0	70.0	26	6.70	21.5	7.9	744
14...	1352	80513	80020	17.0	70.0	26	6.40	20.5	6.4	744
14...	1354	80513	80020	20.0	70.0	26	6.40	19.5	6.1	744
14...	1356	80513	80020	25.0	70.0	26	6.20	18.5	5.4	744
14...	1358	80513	80020	30.0	70.0	26	6.20	17.5	5.3	744
14...	1400	80513	80020	40.0	70.0	26	6.20	16.5	5.4	744
14...	1403	80513	80020	50.0	70.0	26	6.20	15.5	5.4	744
14...	1405	80513	80020	56.0	70.0	25	6.20	15.5	5.3	744
14...	1407	80513	80020	60.0	70.0	29	6.10	14.5	3.3	744
14...	1409	80513	80020	65.0	70.0	31	6.10	13.5	2.2	744
14...	1410	80513	80020	70.0	70.0	44	6.30	12.5	.5	744

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 CAC03) (00900)	ALKA- LITY FIELD (MG/L AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
MAY									
14...	1345	2.20	4	--	--	--	--	--	--
14...	1350	--	--	5	2.0	1.5	8	9	3.9
14...	1405	--	--	25	7.0	.9	8	9	4.1

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									
14...	1346	--	--	.010	<.010	--	--	--	--
14...	1350	3.2	<.10	.020	<.010	50	<1	<10	3
14...	1405	3.1	.10	.010	.020	400	<1	<10	3

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...	1346	--	--	--	--	--	--	4.80	.300
14...	1350	100	<1	20	<.10	2	<10	--	--
14...	1405	400	<1	160	<.10	4	<10	--	--

07340450 GILLHAM LAKE NEAR GILLHAM, ARK.--CONTINUED

WATER QUALITY DATA. WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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									
10...	0930	80513	80020	.00	72.0	31	7.80	27.0	8.8
10...	0931	80513	80020	3.00	72.0	31	7.90	27.0	8.7
10...	0932	80513	80020	5.00	72.0	31	7.30	26.0	9.1
10...	0933	80513	80020	8.00	72.0	31	7.20	25.0	9.0
10...	0935	80513	80020	10.0	72.0	32	6.80	24.5	8.2
10...	0937	80513	80020	15.0	72.0	31	6.30	23.5	4.9
10...	0938	80513	80020	18.0	72.0	31	6.20	22.5	4.2
10...	0940	80513	80020	20.0	72.0	29	6.20	22.0	5.8
10...	0942	80513	80020	26.0	72.0	29	6.10	21.0	5.1
10...	0944	80513	80020	30.0	72.0	29	6.10	20.5	4.2
10...	0946	80513	80020	40.0	72.0	28	6.10	19.5	5.1
10...	0948	80513	80020	50.0	72.0	28	6.00	19.0	4.9
10...	0950	80513	80020	60.0	72.0	26	6.10	18.5	6.3
10...	0952	80513	80020	67.0	72.0	28	6.10	18.0	5.1
10...	0954	80513	1028	68.0	72.0	33	6.00	17.0	2.3
10...	0956	80513	80020	70.0	72.0	36	6.00	16.0	1.5
10...	0958	80513	80020	72.0	72.0	39	6.00	16.0	.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)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JUN								
10...	0930	747	1.70	--	--	--	--	--
10...	0931	747	--	<.10	.020	<.010	4.30	.400

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									
16...	1000	80513	80020	.00	50.0	34	8.20	30.5	7.8
16...	1001	80513	80020	3.00	50.0	35	8.30	30.5	7.8
16...	1002	80513	80020	10.0	50.0	34	8.30	30.5	7.6
16...	1004	80513	80020	16.0	50.0	35	7.10	29.5	5.1
16...	1006	80513	80020	17.0	50.0	35	6.30	28.5	1.9
16...	1008	80513	80020	19.0	50.0	35	6.00	27.5	.9
16...	1010	80513	80020	20.0	50.0	35	6.00	27.0	.6
16...	1012	80513	80020	23.0	50.0	35	5.90	26.0	.5
16...	1014	80513	80020	25.0	50.0	34	5.90	25.0	.5
16...	1016	80513	80020	30.0	50.0	34	5.90	24.0	.5
16...	1018	80513	80020	35.0	50.0	36	5.90	23.0	.4
16...	1020	80513	80020	40.0	50.0	36	5.90	22.5	.4
16...	1022	80513	80020	47.0	50.0	42	5.90	21.0	.4
16...	1024	80513	80020	50.0	50.0	50	6.10	20.0	.4

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								
16...	1000	760	1.80	--	--	--	--	--
16...	1001	760	--	<.10	.020	<.010	13.0	1.20

RED RIVER BASIN

07340450 GILLHAM LAKE NEAR GILLHAM, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)
AUG										
20...	1900	80513	80020	.00	58.0	35	8.10	31.0	8.7	748
20...	1901	80513	80020	3.00	58.0	35	8.20	31.0	8.7	748
20...	1902	80513	80020	6.00	58.0	34	8.30	30.0	8.7	748
20...	1903	80513	80020	10.0	58.0	34	8.30	29.5	8.9	748
20...	1905	80513	80020	12.0	58.0	34	8.20	29.0	8.7	748
20...	1907	80513	80020	18.0	58.0	34	6.70	28.0	2.8	748
20...	1910	80513	80020	20.0	58.0	34	6.20	27.5	.7	748
20...	1912	80513	80020	22.0	58.0	39	6.00	26.5	.5	748
20...	1914	80513	80020	25.0	58.0	40	6.00	25.5	.5	748
20...	1916	80513	80020	27.0	58.0	40	6.00	24.5	.5	748
20...	1918	80513	80020	30.0	58.0	40	6.00	23.5	.5	748
20...	1920	80513	80020	38.0	58.0	45	6.10	22.5	.5	748
20...	1923	80513	80020	40.0	58.0	46	6.10	22.0	.5	748
20...	1925	80513	80020	46.0	58.0	53	6.20	21.0	.5	748
20...	1926	80513	80020	50.0	58.0	59	6.20	20.0	.5	748
20...	1928	80513	80020	55.0	58.0	71	6.30	19.0	.5	748
20...	1930	80513	80020	58.0	58.0	73	6.30	18.0	.5	748
		TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 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)	
AUG										
20...	1900	1.90	0	--	--	--	--	--	--	--
20...	1905	--	--	5	1.0	1.3	8	11	3.4	
20..	1925	--	--	30	5.5	1.1	10	19	7.7	
		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)	
AUG										
20...	1901	--	--	.010	.010	--	--	--	--	--
20...	1905	3.0	<.10	.020	.010	<10	<1	<10	3	
20...	1925	4.5	<.10	.040	.030	70	2	<10	5	
		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)	
AUG										
20...	1901	--	--	--	--	--	--	2.60	.200	
20...	1905	<10	<5	20	<.10	2	10	--	--	
20...	1925	2300	<5	660	<.10	2	30	--	--	

07340450 GILLHAM LAKE NEAR GILLHAM, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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									
08...	1600	80513	80020	.00	66.0	35	6.50	27.5	7.9
08...	1601	80513	80020	3.00	66.0	35	7.00	27.0	8.2
08...	1602	80513	80020	10.0	66.0	35	7.00	26.5	7.6
08...	1604	80513	80020	20.0	66.0	35	6.40	25.5	2.3
08..	1606	80513	80020	22.0	66.0	37	6.10	24.5	.3
08...	1608	80513	80020	26.0	66.0	48	6.10	23.5	.2
08..	1610	80513	80020	30.0	66.0	40	6.10	23.0	.7
08...	1612	80513	80020	40.0	66.0	50	6.00	22.5	.1
08...	1614	80513	80020	50.0	66.0	55	6.20	21.5	.2
08...	1616	80513	80020	53.0	66.0	60	6.30	20.5	.2
08...	1618	80513	80020	60.0	66.0	79	6.30	19.5	.2
08...	1620	80513	80020	62.0	66.0	84	6.40	18.5	.2
08...	1622	80513	80020	66.0	66.0	95	6.40	17.5	.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)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
SEP								
08...	1600	753	2.00	--	--	--	--	--
08...	1601	753	--	<.10	.010	<.010	8.30	.800

RED RIVER BASIN

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 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNIT S) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLOR (PLAT- INUM- COBALT UNIT S) (00080)	TUR- BID- ITY (NTU) (00076)
OCT, 1985											
17...	0930	80513	80020	39	6.90	20.5	5.8	65	760	--	--
NOV											
19...	0940	80513	80020	41	6.30	16.5	10.8	112	755	--	--
DEC											
11...	1100	80513	80020	27	6.00	12.5	9.7	92	754	50	22
JAN, 1986											
15...	0850	80513	80020	27	6.80	5.5	12.8	102	756	--	--
FEB											
04...	0820	80513	80020	26	6.30	11.0	10.5	98	743	--	--
MAR											
12...	1130	80513	80020	25	6.50	9.5	11.6	105	740	--	--
APR											
15...	0840	80513	80020	26	6.60	15.5	11.0	111	759	--	--
MAY											
14...	1430	80513	80020	22	7.10	19.5	11.4	127	747	30	6.5
JUN											
10...	0845	80513	80020	27	6.30	20.0	10.2	114	750	--	--
JUL											
16...	0930	80513	80020	35	6.80	28.0	7.3	94	760	--	--
AUG											
20...	2000	80513	80020	36	6.90	28.0	7.6	99	750	5	1.2
SEP											
08...	1645	80513	80020	49	6.40	22.5	8.0	93	754	--	--

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ALKA- LITY FIELD (MG/L AS CAC03) (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)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)
DEC, 1985										
11...	1100	1.2	150	8	8.4	3.2	.20	.030	.030	1000
MAY, 1986										
14...	1430	1.2	6	10	4.3	3.5	.10	.020	.010	220
AUG, 1986										
20...	2000	1.6	22	11	3.7	3.1	<.10	.020	.010	20

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	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)
DEC, 1985										
11...	1100	<1	<10	2	970	<1	50	<.10	8	200
MAY, 1986										
14...	1430	<1	<10	5	520	1	250	<.10	5	<10
AUG, 1986										
20...	2000	<1	10	2	270	<5	120	<.10	3	<10

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CAC03) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
OCT, 1985											
15...	0800	9827	9827	7.17	21.0	2.0	7.1	1.2	160	14	5.0
NOV											
06...	0800	9827	9827	7.25	10.0	15	9.8	1.3	32	16	8.0
DEC											
10...	0830	9827	9827	7.08	12.0	10	10.4	1.2	48	14	3.0
JAN, 1986											
21...	0800	9827	9827	7.20	7.0	3.0	11.2	--	--	14	5.0
21...	1000	9827	9827	--	7.0	--	--	--	20	--	--
FEB											
19...	0815	9827	9827	7.03	9.0	9.0	10.6	1.0	4	14	5.0
MAR											
18...	0830	9827	9827	7.11	15.0	7.0	9.2	1.4	80	14	8.0
APR											
15...	0830	9827	9827	7.00	15.0	8.0	10.0	1.0	28	16	<3.0
MAY											
20...	0900	9827	9827	6.99	17.0	15	9.4	.7	52	48	7.0
JUN											
17...	0800	9827	9827	--	23.0	5.0	7.9	1.0	10	16	6.0
JUL											
29...	0800	9827	9827	--	28.0	4.6	5.9	1.3	12	16	4.0
AUG											
19...	0800	9827	9827	7.10	25.0	20	6.5	.5	76	--	2.0
SEP											
16...	0800	9827	9827	7.25	23.0	7.0	6.9	.3	150	18	--
DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)
OCT, 1985											
15...	0800	3.5	--	6	.04	<.010	.020	.030	9	<1	1
NOV											
06...	0800	3.5	50	<1	.08	<.010	.040	.030	--	<1	1
DEC											
10...	0830	3.5	39	6	.74	.070	.030	.020	--	<1	<1
JAN, 1986											
21...	0800	3.0	30	4	.22	.040	.010	<.010	1	1	2
FEB											
19...	0815	4.5	41	5	.64	.060	.040	.010	--	<1	2
MAR											
18...	0830	3.5	24	4	.15	.070	.030	.020	--	<1	1
APR											
15...	0830	2.5	38	11	.46	.020	.030	.020	2	<1	5
MAY											
20...	0900	5.0	55	14	.50	.130	.050	--	--	<1	1
JUN											
17...	0800	3.0	49	4	.32	<.010	--	.010	--	<1	2
JUL											
29...	0800	3.0	41	5	.08	.060	.040	<.010	--	<1	1
AUG											
19...	0800	3.0	--	10	.03	.230	.050	.020	--	<1	<1
SEP											
16...	0800	3.5	27	7	.07	.040	.070	.030	--	--	<1

RED RIVER BASIN

07340945 SALINE RIVER NEAR BURG, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)
OCT, 1985											
15...	0800	<15	90	--	<1	10	<.002	<.01	--	<.002	<.01
NOV											
06...	0800	<15	1	--	--	20	--	--	--	--	--
DEC											
10...	0830	1	--	--	--	10	--	--	--	--	--
JAN, 1986											
21...	0800	<15	38	<.50	<1	10	--	--	--	--	--
FEB											
19...	0815	<15	11	--	--	--	--	--	--	--	--
MAR											
18...	0830	21	--	--	--	20	<.002	<.01	<.01	<.002	<.01
APR											
15...	0830	<15	15	--	1	10	--	--	--	--	--
MAY											
20...	0900	<15	5	--	--	10	<.002	<.01	--	<.002	<.01
JUN											
17...	0800	<15	3	--	--	<10	--	--	--	--	--
JUL											
29...	0800	<15	--	--	--	10	<.002	<.01	--	<.002	<.01
AUG											
19...	0800	<15	1	--	--	30	--	--	--	--	--
SEP											
16...	0800	<15	<1	--	--	<10	--	--	--	--	--
DATE	TIME	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
OCT, 1985											
15...	0800	<.01	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
MAR, 1986											
18...	0830	<.01	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
MAY, 1986											
20...	0900	<.01	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
JUL, 1986											
29...	0800	<.01	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.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 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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 OF (MM HG) (00025)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
OCT											
10...	1110	80513	80513	.00	79.0	36	7.40	21.5	8.5	758	2.30
10...	1112	80513	80513	10.0	79.0	36	7.30	20.5	7.2	758	--
10...	1114	80513	80513	20.0	79.0	36	7.20	19.5	5.6	758	--
10...	1116	80513	80513	30.0	79.0	64	6.80	18.5	.1	758	--
10...	1118	80513	80513	32.0	79.0	64	6.80	17.5	.1	758	--
10...	1120	80513	80513	35.0	79.0	52	6.80	16.5	.0	758	--
10...	1122	80513	80513	40.0	79.0	57	6.80	16.0	.0	758	--
10...	1124	80513	80513	50.0	79.0	67	6.80	15.0	.0	758	--
10...	1126	80513	80513	60.0	79.0	78	6.80	15.0	.0	758	--
10...	1128	80513	80513	70.0	79.0	82	6.90	14.5	.0	758	--
10...	1130	80513	80513	79.0	79.0	102	6.70	14.5	.0	758	--
NOV											
20...	0800	80513	80020	.00	67.0	44	6.50	15.5	5.4	764	1.10
20...	0802	80513	80020	10.0	67.0	44	6.50	16.0	5.0	764	--
20...	0804	80513	80020	20.0	67.0	44	6.60	16.0	4.9	764	--
20...	0806	80513	80020	30.0	67.0	43	6.60	16.0	4.8	764	--
20...	0808	80513	80020	40.0	67.0	43	6.60	16.0	5.0	764	--
20...	0810	80513	80020	50.0	67.0	43	6.50	16.0	4.6	764	--
20...	0812	80513	80020	60.0	67.0	47	6.30	16.0	.4	764	--
20...	0814	80513	80020	67.0	67.0	48	6.30	15.5	.2	764	--

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 OF (MM HG) (00025)
DEC										
10...	1445	80513	80020	.00	85.0	41	6.40	12.0	8.2	750
10...	1446	80513	80020	3.00	85.0	40	6.40	12.0	8.0	750
10...	1448	80513	80020	10.0	85.0	41	6.40	12.0	8.0	750
10...	1450	80513	80020	17.0	85.0	40	6.40	12.0	7.8	750
10...	1452	80513	80020	20.0	85.0	40	6.40	11.5	7.8	750
10...	1454	80513	80020	30.0	85.0	40	6.30	11.5	7.8	750
10...	1456	80513	80020	40.0	85.0	41	6.30	11.0	8.1	750
10...	1458	80513	80020	50.0	85.0	41	6.30	10.0	8.3	750
10...	1500	80513	80020	60.0	85.0	40	6.20	10.0	8.4	750
10...	1505	80513	80020	68.0	85.0	40	6.20	10.0	8.4	750
10...	1508	80513	80020	70.0	85.0	40	6.20	10.0	8.4	750
10...	1510	80513	80020	80.0	85.0	39	6.20	10.0	8.4	750
10...	1512	80513	80020	85.0	85.0	39	6.20	10.0	8.4	750

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- LITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
DEC										
10...	1445	.90	23	--	--	--	--	--	--	--
10...	1450	--	--	20	5.8	1.7	22	14	6.2	2.5
10...	1505	--	--	30	1.6	1.2	23	11	8.0	4.5

RED RIVER BASIN

07340990 DIERKS LAKE NEAR DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		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)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)		
DEC											
10...	1446	.30	.020	.010	.06	--	--	--	--		
10...	1450	.30	.100	<.010	.31	180	<1	<10	2		
10...	1505	.60	.030	.010	.09	520	<1	<10	3		
		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)		
DATE	TIME										
DEC											
10...	1446	--	--	--	--	--	--	1.00	.100		
10...	1450	490	1	70	<.10	6	40	--	--		
10...	1505	640	1	80	.10	9	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											
15...	1330	80513	80020	.00	67.0	38	6.60	8.0	11.3	751	1.00
15...	1332	80513	80020	10.0	67.0	38	6.60	7.0	10.9	751	--
15...	1334	80513	80020	20.0	67.0	38	6.60	6.5	10.7	751	--
15...	1336	80513	80020	30.0	67.0	38	6.60	6.5	10.6	751	--
15...	1338	80513	80020	40.0	67.0	38	6.60	6.5	10.5	751	--
15...	1340	80513	80020	50.0	67.0	38	6.60	6.5	10.5	751	--
15...	1342	80513	80020	60.0	67.0	37	6.50	6.5	10.1	751	--
15...	1344	80513	80020	67.0	67.0	37	6.50	6.5	9.8	751	--
FEB											
04...	1200	80513	80020	.00	70.0	36	7.10	9.0	11.4	742	1.30
04...	1202	80513	80020	5.00	70.0	36	7.00	8.0	11.1	742	--
04...	1204	80513	80020	10.0	70.0	36	7.00	7.0	11.0	742	--
04...	1206	80513	80020	20.0	70.0	35	6.90	7.0	10.8	742	--
04...	1208	80513	80020	30.0	70.0	35	6.90	7.0	10.7	742	--
04...	1210	80513	80020	40.0	70.0	35	6.90	7.0	10.4	742	--
04...	1212	80513	80020	50.0	70.0	35	6.90	7.0	10.4	742	--
04...	1214	80513	80020	60.0	70.0	35	6.90	7.0	10.4	742	--
04...	1216	80513	80020	70.0	70.0	36	6.80	7.0	10.2	742	--
MAR											
12...	1330	80513	80020	.00	74.0	37	6.80	13.0	10.2	735	1.30
12...	1332	80513	80020	10.0	74.0	37	6.80	12.5	9.7	735	--
12...	1334	80513	80020	20.0	74.0	37	6.60	11.5	9.1	735	--
12...	1336	80513	80020	23.0	74.0	36	6.50	10.5	8.8	735	--
12...	1338	80513	80020	30.0	74.0	36	6.40	9.5	8.2	735	--
12...	1340	80513	80020	40.0	74.0	36	6.40	9.0	7.8	735	--
12...	1342	80513	80020	50.0	74.0	36	6.30	8.5	7.9	735	--
12...	1344	80513	80020	60.0	74.0	35	6.30	8.5	7.7	735	--
12...	1346	80513	80020	70.0	74.0	36	6.30	8.0	7.7	735	--
12...	1348	80513	80020	74.0	74.0	36	6.30	8.0	7.6	735	--
APR											
15...	1030	80513	80020	.00	77.0	35	7.20	19.0	9.6	753	1.40
15...	1032	80513	80020	10.0	77.0	35	7.20	19.0	9.3	753	--
15...	1034	80513	80020	18.0	77.0	35	7.00	19.0	9.0	753	--
15...	1036	80513	80020	19.0	77.0	32	6.50	17.5	6.1	753	--
15...	1038	80513	80020	20.0	77.0	31	6.30	16.0	6.2	753	--
15...	1040	80513	80020	30.0	77.0	31	6.20	15.0	6.3	753	--
15...	1042	80513	80020	38.0	77.0	36	6.30	14.0	6.2	753	--
15...	1044	80513	80020	40.0	77.0	37	6.30	13.5	6.2	753	--
15...	1046	80513	80020	50.0	77.0	39	6.30	12.5	5.9	753	--
15...	1048	80513	80020	55.0	77.0	39	6.30	11.5	5.5	753	--
15...	1050	80513	80020	60.0	77.0	40	6.20	11.0	4.7	753	--
15...	1052	80513	80020	70.0	77.0	40	6.20	10.5	4.6	753	--
15...	1054	80513	80020	77.0	77.0	41	6.20	10.0	3.5	753	--

07340990 DIERKS LAKE NEAR DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		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										
14...	0845	80513	80020	.00	78.0	34	9.00	26.0	9.8	745
14...	0846	80513	80020	3.00	78.0	34	9.00	26.0	9.6	745
14...	0847	80513	80020	6.00	78.0	34	9.00	25.5	9.8	745
14...	0848	80513	80020	7.00	78.0	37	9.30	24.0	10.9	745
14...	0849	80513	80020	9.00	78.0	36	8.90	23.0	9.7	745
14...	0850	80513	80020	10.0	78.0	34	6.90	22.0	7.1	745
14...	0852	80513	80020	12.0	78.0	32	6.40	21.0	4.8	745
14...	0853	80513	80020	15.0	78.0	34	6.20	20.0	3.9	745
14...	0855	80513	80020	16.0	78.0	34	6.20	19.5	3.5	745
14...	0858	80513	80020	20.0	78.0	35	6.10	18.5	3.5	745
14...	0900	80513	80020	25.0	78.0	32	6.10	17.5	3.4	745
14...	0902	80513	80020	30.0	78.0	32	6.00	17.0	3.2	745
14...	0904	80513	80020	40.0	78.0	32	6.00	16.0	2.5	745
14...	0906	80513	80020	50.0	78.0	36	6.00	15.5	.9	745
14...	0908	80513	80020	60.0	78.0	38	6.00	15.0	.3	745
14...	0910	80513	80020	62.0	78.0	39	6.00	15.0	.3	745
14...	0912	80513	80020	70.0	78.0	46	6.10	14.5	.3	745
14...	0914	80513	80020	78.0	78.0	65	6.40	14.0	.3	745
		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 CAC03) (00900)	ALKA- LITY FIELD (MG/L AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	
MAY										
14..	0845	1.52	0	--	--	--	--	--	--	--
14...	0855	--	--	15	2.0	1.4	10	11	6.3	7.5
14...	0910	--	--	70	15	2.4	10	14	7.5	
		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										
14...	0846	--	--	.020	<.010	--	--	--	--	--
14...	0855	2.5	<.10	.020	<.010	40	<1	<10	3	
14...	0910	4.0	.30	.040	.020	320	1	<10	6	
		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..	0846	--	--	--	--	--	--	15.0	.400	
14...	0855	150	1	20	<.10	4	<10	--	--	
14...	0910	1500	<1	670	<.10	3	<10	--	--	

RED RIVER BASIN

07340990 DIERKS LAKE NEAR DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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									
10...	1100	80513	80020	.00	80.0	38	8.60	26.5	9.4
10...	1101	80513	80020	3.00	80.0	38	8.60	26.5	9.1
10...	1102	1028	1028	4.00	80.0	36	7.00	25.0	7.4
10...	1104	80513	80020	6.00	80.0	38	6.50	24.0	4.8
10...	1105	80513	80020	9.00	80.0	38	6.20	23.0	3.7
10...	1106	80513	80020	10.0	80.0	38	6.20	22.5	3.6
10...	1108	80513	80020	17.0	80.0	38	6.10	21.5	2.7
10...	1110	80513	80020	20.0	80.0	38	6.10	21.0	2.3
10...	1112	80513	80020	30.0	80.0	38	6.00	20.0	1.4
10...	1114	80513	80020	35.0	80.0	38	6.00	19.0	.9
10...	1116	80513	80020	40.0	80.0	38	5.90	18.5	.9
10...	1118	80513	80020	50.0	80.0	41	6.00	17.5	.6
10...	1120	80513	80020	60.0	80.0	44	6.00	17.0	.6
10...	1122	80513	80020	70.0	80.0	66	6.30	16.5	.6
10...	1124	80513	80020	80.0	80.0	85	6.50	16.0	.6

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								
10...	1100	747	.85	--	--	--	--	--
10...	1101	747	--	<.10	.030	<.010	30.0	.800

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									
16...	1200	80513	80020	.00	63.0	39	7.20	30.5	7.5
16...	1201	80513	80020	3.00	63.0	39	7.10	30.5	7.2
16...	1202	80513	80020	10.0	63.0	39	7.10	30.5	7.0
16...	1204	80513	80020	12.0	63.0	39	6.50	29.0	4.0
16...	1206	80513	80020	14.0	63.0	39	6.20	28.5	2.6
16...	1208	80513	80020	16.0	63.0	40	6.10	27.5	1.2
16...	1210	80513	80020	18.0	63.0	41	6.00	24.0	.4
16...	1212	80513	80020	20.0	63.0	40	5.90	22.5	.4
16...	1214	80513	80020	23.0	63.0	40	5.90	21.5	.4
16...	1216	80513	80020	27.0	63.0	39	5.90	20.5	.4
16...	1218	80513	80020	30.0	63.0	40	5.90	20.0	.4
16...	1220	80513	80020	35.0	63.0	42	5.90	19.5	.4
16...	1222	80513	80020	40.0	63.0	43	6.00	19.0	.4
16...	1224	80513	80020	50.0	63.0	55	6.10	18.5	.4
16...	1226	80513	80020	60.0	63.0	69	6.20	18.0	.4
16...	1230	80513	80020	63.0	63.0	70	6.30	17.5	.4

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								
16...	1200	760	1.80	--	--	--	--	--
16...	1201	760	--	<.10	.200	<.010	48.0	4.30

07340990 DIERKS LAKE NEAR DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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 OF (MM HG) (00025)
AUG										
20...	1200	80513	80020	.00	75.0	38	7.90	30.0	8.0	750
20...	1201	80513	80020	3.00	75.0	38	8.00	29.5	7.9	750
20...	1202	80513	80020	10.0	75.0	38	7.80	29.0	7.6	750
20...	1203	80513	80020	14.0	75.0	38	6.70	28.0	3.7	750
20...	1205	80513	80020	15.0	75.0	38	6.40	27.5	2.8	750
20...	1206	80513	80020	18.0	75.0	39	6.20	26.5	1.2	750
20...	1207	80513	80020	19.0	75.0	39	6.00	25.5	.3	750
20...	1208	80513	80020	20.0	75.0	39	6.00	24.0	.2	750
20...	1209	80513	80020	21.0	75.0	40	6.00	23.0	.2	750
20...	1210	80513	80020	22.0	75.0	40	6.00	22.0	.2	750
20...	1212	80513	80020	25.0	75.0	41	6.00	21.0	.1	750
20...	1214	80513	80020	30.0	75.0	46	6.10	20.0	.2	750
20...	1216	80513	80020	40.0	75.0	55	6.20	19.0	.2	750
20...	1218	80513	80020	50.0	75.0	68	6.30	18.0	.2	750
20...	1220	80513	80020	60.0	75.0	80	6.40	17.5	.1	750
20...	1223	80513	80020	70.0	75.0	102	6.40	17.0	.1	750
20...	1225	80513	80020	75.0	75.0	102	6.50	16.5	.1	750

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 CAC03) (00900)	ALKA- LITY FIELD AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
AUG									
20...	1200		2.60	4	--	--	--	--	--
20...	1205		--	--	10	.50	1.9	10	4.9
20...	1220		--	--	120	3.0	1.3	14	25

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)
AUG									
20...	1205	3.3	<.10	.010	.020	<10	<1	10	3
20...	1220	4.0	<.10	.200	.170	30	5	<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)
AUG									
20...	1201	--	--	--	--	--	--	6.80	.200
20...	1205	60	<5	30	<.10	1	30	--	--
20...	1220	6900	<5	1200	<.10	7	10	--	--

RED RIVER BASIN

07340990 DIERKS LAKE NEAR DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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									
08...	1400	80513	80020	.00	64.0	38	6.60	26.0	7.7
08...	1401	80513	80020	3.00	64.0	38	6.70	26.0	7.7
08...	1402	80513	80020	10.0	64.0	38	6.80	25.5	7.3
08...	1404	80513	80020	20.0	64.0	38	6.50	25.5	4.2
08...	1408	80513	80020	21.0	64.0	39	6.10	24.5	1.1
08...	1410	80513	80020	22.0	64.0	40	6.00	23.5	.3
08...	1412	80513	80020	23.0	64.0	44	5.90	22.5	.2
08...	1414	80513	80020	25.0	64.0	47	6.00	21.5	.2
08...	1416	80513	80020	30.0	64.0	48	6.00	20.5	.2
08...	1418	80513	80020	35.0	64.0	55	6.10	19.5	.1
08...	1420	80513	80020	40.0	64.0	59	6.20	19.0	.2
08...	1422	80513	80020	50.0	64.0	77	6.30	18.0	.2
08...	1424	80513	80020	60.0	64.0	90	6.40	17.5	.2
08...	1426	80513	80020	64.0	64.0	101	6.40	17.0	.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)
SEP								
08...	1400	753	2.00	--	--	--	--	--
08...	1401	753	--	<.10	.020	<.010	11.0	.900

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 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	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)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLOR (PLAT-INUM-COBALT UNIT S) (00080)	TUR-BID-ITY (NTU) (00076)
OCT, 1985											
17...	1200	80513	80020	38	7.00	21.0	6.8	77	759	--	--
NOV 20...	0850	80513	80020	56	6.90	15.0	10.0	99	766	--	--
DEC 10...	1630	80513	80020	40	6.40	10.5	11.9	108	751	30	15
JAN, 1986											
15...	1445	80513	80020	40	6.80	7.5	12.4	105	753	--	--
FEB 04...	1120	80513	80020	40	7.00	7.5	11.6	99	744	--	--
MAR 12...	1430	80513	80020	37	6.70	12.5	10.5	102	735	--	--
APR 15...	1130	80513	80020	39	6.50	12.5	11.4	108	754	--	--
MAY 14...	0800	80513	80020	32	6.70	22.0	8.3	97	746	20	2.5
JUN 10...	1200	80513	80020	43	6.40	19.0	9.3	102	749	--	--
JUL 16...	1130	80513	80020	40	6.80	29.5	7.5	99	760	--	--
AUG 20...	1100	80513	80020	39	6.60	29.0	7.4	98	751	10	.60
SEP 08...	1330	80513	80020	41	6.50	26.0	8.0	100	754	--	--

DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, UM-MF (COLS./100 ML) (31625)	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)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)
DEC, 1985										
10...	1630	1.6	42	11	7.4	4.8	.50	.030	.010	360
MAY, 1986										
14...	0800	1.8	2	11	5.0	4.5	<.10	.020	<.010	50
AUG, 1986										
20...	1100	1.8	37	14	4.4	3.2	<.10	.020	.010	<10

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	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)
DEC, 1985										
10...	1630	<1	<10	1	600	1	90	<.10	6	50
MAY, 1986										
14...	0800	<1	<10	3	150	<1	20	<.10	3	<10
AUG, 1986										
20...	1100	<1	<10	2	50	<5	30	<.10	2	<10

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 mi².

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.--23 years, 399 ft³/s, 289,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 64,700 ft³/s May 14, 1968, gage height, 20.86 ft, from rating curve extended above 23,000 ft³/s on basis of contracted-opening measurement of peak flow; minimum, 0.20 ft³/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, 8,330 ft³/s Apr. 5, gage height, 16.09 ft; minimum daily, 7.2 ft³/s Oct. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	30	571	89	31	303	59	886	96	214	26	21
2	11	20	498	86	30	343	58	756	298	428	26	21
3	11	21	646	82	84	287	58	444	592	461	26	25
4	11	14	891	79	1890	50	1930	396	949	396	26	34
5	9.9	13	894	77	642	38	7570	371	591	407	26	55
6	9.5	13	855	74	2860	34	6540	144	1100	371	25	165
7	9.3	13	528	72	1800	31	1620	62	926	355	25	107
8	9.3	12	502	71	596	29	876	52	858	190	25	74
9	9.4	11	498	62	445	29	1010	48	816	104	25	51
10	9.1	11	504	39	420	32	956	50	790	94	25	36
11	8.7	13	2520	34	834	44	1020	68	776	89	26	24
12	7.2	17	2690	34	899	274	1020	78	730	73	26	22
13	7.3	19	485	32	880	222	396	103	221	41	25	21
14	7.6	16	845	29	868	148	235	136	238	36	25	19
15	8.9	13	847	28	857	116	780	143	294	34	25	17
16	12	13	811	28	839	119	833	152	368	33	145	17
17	10	44	941	29	832	119	963	389	177	32	433	15
18	12	350	962	35	790	504	956	1520	106	30	104	15
19	20	137	943	39	543	1300	1020	1120	87	29	56	16
20	24	82	894	38	523	524	2720	727	83	29	42	16
21	14	61	662	35	455	457	716	854	70	28	61	18
22	10	45	645	56	125	373	753	816	47	27	42	17
23	8.2	35	613	98	95	348	851	594	43	28	40	29
24	8.4	30	308	97	90	330	966	216	40	28	39	25
25	8.8	27	285	70	76	147	940	194	40	27	37	20
26	8.9	26	274	37	54	109	912	193	58	27	37	18
27	8.5	222	139	33	50	91	901	182	52	28	35	17
28	9.6	468	107	32	88	76	971	174	56	27	25	17
29	10	180	96	31	---	71	926	113	214	27	22	16
30	14	202	93	30	---	67	881	79	127	27	22	15
31	26	---	92	30	---	62	---	75	---	26	21	---
TOTAL	345.6	2158	21639	1606	17696	6677	39437	11135	10843	3746	1543	963
MEAN	11.1	71.9	698	51.8	632	215	1315	359	361	121	49.8	32.1
MAX	26	468	2690	98	2860	1300	7570	1520	1100	461	433	165
MIN	7.2	11	92	28	30	29	58	48	40	26	21	15
AC-FT	685	4280	42920	3190	35100	13240	78220	22090	21510	7430	3060	1910
CAL YR 1985	TOTAL	139276.6	MEAN	382	MAX	5310	MIN	7.2	AC-FT	276300		
WTR YR 1986	TOTAL	117788.6	MEAN	323	MAX	7570	MIN	7.2	AC-FT	233600		

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 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE) (00027)	AGENCY ANA-LYZING SAMPLE (CODE) (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 HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)
OCT											
17...	1430	80513	80020	.00	27.0	80	7.20	22.0	7.4	758	.80
17...	1432	80513	80020	10.0	27.0	84	7.00	21.5	5.5	758	--
17...	1433	80513	80020	20.0	27.0	91	6.70	20.5	3.6	758	--
17...	1435	80513	80020	27.0	27.0	91	6.60	20.5	3.1	758	--
NOV											
19...	1430	80513	80020	.00	30.0	75	6.80	18.5	9.4	760	.82
19...	1432	80513	80020	10.0	30.0	76	7.00	18.5	9.2	760	--
19...	1434	80513	80020	20.0	30.0	77	7.00	18.5	8.7	760	--
19...	1436	80513	80020	30.0	30.0	77	7.00	18.5	8.4	760	--

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE) (00027)	AGENCY ANA-LYZING SAMPLE (CODE) (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 HG) (00025)
DEC										
09...	1330	80513	80020	.00	33.0	34	6.80	11.0	10.6	758
09...	1331	80513	80020	3.00	33.0	34	6.70	11.0	10.3	758
09...	1335	80513	80020	6.00	33.0	35	6.70	11.0	10.1	758
09...	1336	80513	80020	10.0	33.0	34	6.60	10.5	10.1	758
09...	1338	80513	80020	20.0	33.0	36	6.60	10.5	10.0	758
09...	1340	80513	80020	26.0	33.0	36	6.60	10.5	9.9	758
09...	1342	80513	80020	30.0	33.0	36	6.50	10.5	10.0	758
09...	1345	80513	80020	33.0	33.0	36	6.50	10.5	9.9	758

DATE	TIME	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	COLI-FORM, FECAL, 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 AS CACO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
DEC										
09...	1330	.85	14	--	--	--	--	--	--	--
09...	1335	--	--	30	16	1.3	12	10	8.4	5.0
09...	1340	--	--	30	15	1.1	12	11	8.4	4.5

DATE	TIME	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)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)
DEC									
09...	1330	.20	.030	.010	.09	--	--	--	--
09...	1335	.20	.030	.010	.09	690	<1	<10	4
09...	1340	.20	.030	.010	.09	720	<1	<10	2

RED RIVER BASIN

07341300 MILLWOOD LAKE NEAR ASHDOWN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		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)		
DATE	TIME										
DEC											
09...	1331	--	--	--	--	--	--	.800	<.100		
09...	1335	730	2	40	<.10	6	60	--	--		
09...	1340	700	1	60	<.10	7	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)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JAN											
16...	0800	80513	80020	.00	30.0	57	7.00	6.5	13.4	761	.98
16...	0802	80513	80020	10.0	30.0	58	7.20	6.5	12.8	761	--
16...	0804	80513	80020	20.0	30.0	59	7.10	5.5	11.9	761	--
16...	0806	80513	80020	30.0	30.0	57	7.00	5.5	11.8	761	--
FEB											
04...	1400	80513	80020	.00	32.0	70	7.30	11.5	10.9	748	.98
04...	1402	80513	80020	10.0	32.0	70	7.30	11.5	10.8	748	--
04...	1404	80513	80020	20.0	32.0	70	7.30	11.0	10.7	748	--
04...	1406	80513	80020	30.0	32.0	72	7.20	10.0	10.5	748	--
04...	1408	80513	80020	32.0	32.0	72	7.30	10.0	10.5	748	--
MAR											
13...	0830	80513	80020	.00	32.0	52	7.00	15.0	9.2	750	.64
13...	0832	80513	80020	10.0	32.0	52	7.00	15.0	9.2	750	--
13...	0834	80513	80020	20.0	32.0	51	7.00	15.0	9.2	750	--
13...	0836	80513	80020	30.0	32.0	51	7.00	15.0	9.1	750	--
13...	0840	80513	80020	32.0	32.0	51	7.00	15.0	9.1	750	--
APR											
16...	0715	80513	80020	.00	30.0	54	7.10	18.0	8.3	759	.46
16...	0718	80513	80020	10.0	30.0	55	7.00	18.0	8.2	759	--
16...	0720	80513	80020	20.0	30.0	51	7.00	18.0	8.1	759	--
16...	0722	80513	80020	30.0	30.0	51	7.00	18.0	8.0	759	--
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)
MAY											
13...	0730	80513	80010	.00	30.0	50	7.60	26.0	8.1	751	
13...	0731	80513	80020	3.00	30.0	50	7.70	26.0	8.0	751	
13...	0735	80513	80020	6.00	30.0	51	7.60	25.0	7.8	751	
13...	0736	80513	80020	7.00	30.0	52	7.20	24.0	7.0	751	
13...	0737	80513	80020	10.0	30.0	54	7.00	23.5	6.7	751	
13...	0738	80513	80020	20.0	30.0	56	6.60	22.5	5.0	751	
13...	0740	80513	80020	24.0	30.0	58	6.50	22.0	4.3	751	
13...	0742	80513	80020	30.0	30.0	58	6.50	21.5	3.8	751	
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, RIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LINITY FIELD AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)		
MAY											
13...	0730	1.16	0	--	--	--	--	--	--		
13...	0735	--	--	20	5.0	1.7	16	15	8.0		
13...	0740	--	--	30	5.5	.8	18	16	8.1		

07341300 MILLWOOD LAKE NEAR ASHDOWN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		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									
13...	0731	--	--	.030	<.010	--	--	--	--
13...	0735	4.9	<.10	.030	<.010	110	<1	<10	4
13...	0740	5.8	<.10	.040	.020	140	1	<10	3
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									
13...	0731	--	--	--	--	--	--	7.20	.300
13...	0735	390	1	50	<.10	4	<10	--	--
13...	0740	640	1	240	<.10	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									
10...	1400	80513	80020	.00	33.0	58	7.20	26.5	8.2
10...	1401	80513	80020	3.00	33.0	57	7.10	26.5	7.9
10...	1402	80513	80020	10.0	33.0	59	7.10	26.5	7.8
10...	1404	80513	80020	20.0	33.0	57	7.00	26.0	7.2
10...	1406	80513	80020	30.0	33.0	51	6.70	25.0	6.6
10...	1408	80513	80020	33.0	33.0	48	6.60	24.5	6.5
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									
10...	1400	753	.76	--	--	--	--	--	--
10...	1401	753	--	<.10	.050	.010	18.0	1.50	
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)		
JUL									
16...	1330	80513	80020	.00	34.0	65	7.60		
16...	1331	80513	80020	3.00	34.0	65	7.60		
16...	1332	80513	80020	10.0	34.0	65	7.00		
16...	1334	80513	80020	20.0	34.0	65	6.80		
16...	1336	80513	80020	30.0	34.0	65	6.60		
16...	1340	80513	80020	34.0	34.0	70	6.50		

RED RIVER BASIN

07341300 MILLWOOD LAKE NEAR ASHDOWN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		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)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)			
JUL										
16...	1330	31.0	7.4	760	.64	--	--			
16...	1331	30.5	6.6	760	--	21.0	2.00			
16...	1332	29.5	4.6	760	--	--	--			
16...	1334	29.0	3.8	760	--	--	--			
16...	1336	29.0	2.7	760	--	--	--			
16...	1340	28.5	1.2	760	--	--	--			
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)
AUG										
19...	0915	80513	80020	.00	30.0	77	8.80	30.5	9.3	756
19...	0916	80513	80020	3.00	30.0	77	8.80	30.5	9.0	756
19...	0920	80513	80020	6.00	30.0	75	8.40	30.5	7.3	756
19...	0922	80513	80020	10.0	30.0	74	7.40	29.5	3.7	756
19...	0923	80513	80020	11.0	30.0	74	6.80	28.0	3.1	756
19...	0924	80513	80020	20.0	30.0	76	6.60	27.5	2.1	756
19...	0925	80513	80020	24.0	30.0	78	6.60	27.5	2.0	756
19...	0928	80513	80020	30.0	30.0	81	6.50	27.5	1.0	756
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 CAC03) (00900)	ALKA- LINITY FIELD (MG/L AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	
AUG										
19...	0915	.80	3	--	--	--	--	--	--	--
19...	0920	--	--	10	4.8	2.5	24	27	4.9	4.9
19...	0925	--	--	10	3.5	1.7	24	27	4.9	4.9
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)	
AUG										
19...	0916	--	--	.050	.020	--	--	--	--	--
19...	0920	6.0	<.10	.050	.020	60	2	<10	3	3
19...	0925	11	<.10	.050	.020	100	3	<10	<1	<1
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)	
AUG										
19...	0916	--	--	--	--	--	--	37.0	3.60	--
19...	0920	250	<5	190	<.10	2	70	--	--	--
19...	0925	380	<5	440	<.10	1	<10	--	--	--

07341300 MILLWOOD LAKE NEAR ASHDOWN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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									
09...	1015	80513	80020	.00	33.0	79	8.40	25.5	9.5
09...	1016	80513	80020	3.00	33.0	79	8.40	25.0	9.2
09...	1018	80513	80020	10.0	33.0	77	7.60	25.0	7.2
09...	1020	80513	80020	20.0	33.0	76	7.20	24.5	6.9
09...	1022	80513	80020	30.0	33.0	80	7.00	24.0	5.4
09...	1025	80513	80020	33.0	33.0	80	7.00	24.0	5.3

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)
SEP								
09...	1015	759	.70	--	--	--	--	--
09...	1016	759	--	<.10	.040	.010	37.0	3.90

RED RIVER BASIN

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
OCT, 1985										
17...	1400	80513	80020	--	78	6.90	22.0	--	5.3	61
NOV										
04...	1200	80513	80010	2140	115	7.20	12.5	5.0	10.2	95
19...	1500	80513	80020	--	75	7.00	18.5	--	10.2	109
DEC										
09...	1400	80513	80020	--	34	6.90	11.0	19	11.0	100
JAN, 1986										
07...	1010	80513	80020	700	57	6.50	5.5	24	13.8	109
16...	0730	80513	80020	--	58	7.10	6.5	--	13.4	109
FEB										
04...	1430	80513	80020	--	69	7.20	11.5	--	12.2	114
MAR										
13...	0745	80513	80020	--	55	7.00	14.5	--	15.4	154
APR										
16...	0800	80513	80020	18400	64	7.10	18.0	18	9.0	95
MAY										
13...	0830	80513	80020	--	54	7.00	24.5	9.0	8.1	99
JUN										
10...	1425	80513	80020	--	50	6.90	26.0	--	9.0	112
JUL										
16...	1300	80513	80020	--	67	7.10	31.5	--	9.2	125
22...	1245	80513	80020	157	76	7.60	33.0	5.6	6.7	93
AUG										
19...	1000	80513	80020	--	78	7.60	30.0	1.6	7.5	100
SEP										
09...	1100	80513	80020	--	78	7.60	26.0	--	9.4	116

DATE	TIME	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	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)
OCT, 1985										
17...	1400	758	--	--	--	--	--	--	--	--
NOV										
04...	1200	764	17	6	26	2	7.7	1.7	8.3	39
19...	1500	762	--	--	--	--	--	--	--	--
DEC										
09...	1400	758	31	--	11	--	--	--	--	--
JAN, 1986										
07...	1010	768	6	25	18	4	5.4	1.2	3.2	26
16...	0730	762	--	--	--	--	--	--	--	--
FEB										
04...	1430	748	--	--	--	--	--	--	--	--
MAR										
13...	0745	750	--	--	--	--	--	--	--	--
APR										
16...	0800	759	7	13	18	0	5.2	1.1	2.8	24
MAY										
13...	0830	751	K1400	--	18	--	--	--	--	--
JUN										
10...	1425	754	--	--	--	--	--	--	--	--
JUL										
16...	1300	760	--	--	--	--	--	--	--	--
22...	1245	761	K240	67	26	0	7.8	1.6	5.4	30
AUG										
19...	1000	758	60	--	18	--	--	--	--	--
SEP										
09...	1100	759	--	--	--	--	--	--	--	--

07341301 LITTLE RIVER AT MILLWOOD DAM NEAR ASHDOWN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY FIELD (MG/L AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)
NOV, 1985										
04...	1200	.7	1.7	24	14	21	<.10	4.4	84	74
DEC, 1985										
09...	1400	--	--	10	8.2	4.5	--	--	--	--
JAN, 1986										
07...	1010	.3	1.5	15	9.5	4.1	<.10	7.8	35	43
APR										
16...	0800	.3	1.6	23	9.3	3.1	<.10	6.2	43	43
MAY										
13...	0830	--	--	16	7.8	5.1	--	--	--	--
JUL										
22...	1245	.5	.60	30	7.1	5.4	<.10	8.7	54	55
AUG										
19...	1000	--	--	25	5.4	7.0	--	--	--	--
DATE	TIME	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
NOV, 1985										
04...	1200	.11	.08	.030	--	.11	.130	.050	.27	.40
DEC, 1985										
09...	1400	--	--	--	.20	--	--	--	--	--
JAN, 1986										
07...	1010	.05	.28	.010	--	.29	.040	.050	.46	.50
APR										
16...	0800	.06	.16	.010	--	.17	.060	.070	.54	.60
MAY										
13...	0830	--	--	--	<.10	--	--	--	--	--
JUL										
22...	1245	.07	--	<.010	--	<.10	.060	.030	.84	.90
AUG										
19...	1000	--	--	--	<.10	--	--	--	--	--
DATE	TIME	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)
NOV, 1985										
04...	1200	.050	.020	.010	--	30	--	<1	26	<.5
DEC, 1985										
09...	1400	.030	--	--	960	--	<1	--	--	--
JAN, 1986										
07...	1010	.050	.020	.020	--	140	--	<1	19	<.5
APR										
16...	0800	.060	.020	<.010	--	120	--	<1	35	<.5
MAY										
13...	0830	.050	--	--	230	--	1	--	--	--
JUL										
22...	1245	.050	.020	.010	--	--	--	--	--	--
AUG										
19...	1000	.060	--	--	50	--	2	--	--	--

07341301 LITTLE RIVER AT MILLWOOD DAM NEAR ASHDOWN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	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, DIS- SOLVED (UG/L AS PB) (01049)
NOV, 1985										
04...	1200	<1	1	--	<3	1	--	50	--	3
DEC, 1985										
09...	1400	--	--	<10	--	--	3	--	720	--
JAN, 1986										
07...	1010	<1	<1	--	<3	1	--	160	--	1
APR										
16...	0800	<1	<1	--	<3	3	--	160	--	<1
MAY										
13...	0830	--	--	<10	--	--	6	--	690	--
AUG										
19...	1000	--	--	<10	--	--	3	--	250	--

DATE	TIME	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)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)
NOV, 1985										
04...	1200	--	<4	4	--	.1	--	<10	2	--
DEC, 1985										
09...	1400	2	--	--	60	--	.10	--	--	6
JAN, 1986										
07...	1010	--	<4	36	--	<.1	--	<10	2	--
APR										
16...	0800	--	<4	67	--	<.1	--	<10	2	--
MAY										
13...	0830	1	--	--	140	--	<.10	--	--	9
AUG										
19...	1000	<5	--	--	230	--	<.10	--	--	2

DATE	TIME	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- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV, 1985									
04...	1200	<1	<1	74	8	--	11	64	97
DEC, 1985									
09...	1400	--	--	--	--	20	--	--	--
JAN, 1986									
07...	1010	<1	<1	47	20	--	30	57	76
APR									
16...	0800	<1	<1	39	12	--	18	894	74
MAY									
13...	0830	--	--	--	--	<10	--	--	--
JUL									
22...	1245	--	--	--	--	--	5	2.1	94
AUG									
19...	1000	--	--	--	--	10	--	--	--

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD (UNITS) (00400)	TEMPER-ATURE DEG C (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	COLI-FORM. FECAL UM-MF (COLS./100 ML) (31625)
NOV, 1985												
05...	1045	80513	80010	2100	483	7.70	13.5	10	7.4	71	763	42
JAN, 1986												
08...	0810	80513	80020	1620	225	7.70	6.0	50	10.8	85	775	K20
APR												
16...	1030	80513	80020	6550	412	7.70	20.0	--	8.2	91	759	K90
JUL												
23...	0845	80513	80020	2460	204	8.20	31.0	35	4.3	58	762	K10

DATE	TIME	STREP-TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS (MG/L AS CAC03) (00900)	HARD-NESS, NONCAR-BONATE (MG/L AS CAC03) (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 CAC03) (00410)
NOV, 1985											
05...	1045	310	100	0	35	3.6	59	54	3	4.8	111
JAN, 1986											
08...	0810	K10	61	0	21	2.0	16	35	.9	3.7	64
APR											
16...	1030	K440	--	--	--	--	--	--	--	--	71
JUL											
23...	0845	K130	71	0	24	2.7	9.3	21	.5	4.2	74

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 SI02) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
NOV, 1985											
05...	1045	34	66	.20	3.5	311	270	.42	--	<.010	.28
JAN, 1986											
08...	0810	18	18	.10	6.7	130	130	.18	.18	.010	.19
APR											
16...	1030	--	--	--	--	--	--	--	.12	.020	.14
JUL											
23...	0845	15	9.0	.20	7.9	129	120	.18	--	.030	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

[illegible]

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT, 1985											
15...	1300	9827	9827	25	705	7.64	24.0	4.0	2.6	94	28
NOV 06...	1300	9827	9827	13	545	7.51	15.0	10	4.1	54	14
DEC 10...	1245	9827	9827	18	485	7.33	15.0	8.0	4.0	49	12
JAN, 1986											
21...	1230	9827	9827	31	460	7.30	14.0	5.0	5.3	47	10
FEB 19...	1300	9827	9827	33	2320	7.27	16.0	7.0	4.5	56	8.4
MAR 18...	1330	9827	9827	33	352	7.15	18.0	7.0	4.0	43	9.2
APR 15...	1320	9827	9827	20	451	7.22	21.0	7.0	3.5	46	--
MAY 20...	1330	9827	9827	36	326	6.99	22.0	30	2.9	45	6.0
JUN 17...	1230	9827	9827	89	286	--	26.0	30	2.9	39	6.8
JUL 29...	1200	9827	9827	18	610	--	31.0	7.0	3.7	32	13
AUG 19...	1230	9827	9827	18	494	7.49	29.0	3.0	2.4	52	10
SEP 16...	1220	9827	9827	18	666	7.54	27.0	10	1.5	53	--

DATE	TIME	COLI-FORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARD-NESS (MG/L AS CACO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT, 1985										
15...	1300	>600	96	48	110	--	27	--	14.5	1.5
NOV 06...	1300	160	76	42	69	287	2	.09	>5.00	--
DEC 10...	1245	170	86	30	62	262	8	.20	7.80	--
JAN, 1986										
21...	1230	12	68	35	59	250	4	.09	1.90	9.1
FEB 19...	1300	<4	410	30	720	1340	14	.27	6.75	--
MAR 18...	1330	72	58	23	49	193	11	.13	5.10	1.3
APR 15...	1320	120	76	35	52	249	8	.12	8.80	.70
MAY 20...	1330	270	60	24	48	209	24	.34	5.20	--
JUN 17...	1230	630	56	23	40	194	34	.41	3.25	1.6
JUL 29...	1200	1900	84	37	96	342	15	.23	11.0	6.0
AUG 19...	1230	930	--	21	75	--	11	.07	8.60	3.4
SEP 16...	1220	--	86	--	98	346	22	.11	8.40	4.6

RED RIVER BASIN

07344300 DAYS CREEK SOUTHEAST OF TEXARKANA, ARK.--CONTINUED
WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	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)	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)
OCT, 1985										
15...	1300	16	--	3.20	2.20	11	<1	4	<15	24
NOV										
06...	1300	9.3	9.4	1.85	1.45	--	<1	1	<15	18
DEC										
10...	1245	7.6	7.8	1.95	>1.00	--	<1	1	86	--
JAN, 1986										
21...	1230	11	11	1.45	>1.00	3	1	2	<15	40
FEB										
19...	1300	6.6	6.9	.860	.490	--	<1	<1	<15	24
MAR										
18...	1330	6.4	6.5	1.05	.810	--	<1	3	<15	150
APR										
15...	1320	9.5	9.6	1.32	.940	--	<1	5	<15	30
MAY										
20...	1330	5.1	5.4	.710	--	--	<1	4	<15	8
JUN										
17...	1230	4.8	5.2	--	.300	--	1	5	<15	8
JUL										
29...	1200	17	17	2.00	1.60	10	<1	3	<15	--
AUG										
19...	1230	12	12	1.50	1.40	--	<1	2	<15	2
SEP										
16...	1220	13	13	2.40	1.80	--	--	5	<15	2

DATE	TIME	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)
OCT, 1985										
15...	1300	--	1	50	<.002	<.01	--	<.002	<.01	<.01
NOV										
06...	1300	--	--	40	--	--	--	--	--	--
DEC										
10...	1245	--	--	30	--	--	--	--	--	--
JAN, 1986										
21...	1230	<.50	<1	20	--	--	--	--	--	--
MAR										
18...	1330	--	--	20	<.002	<.01	<.01	<.002	<.01	<.01
APR										
15...	1320	--	--	20	--	--	--	--	--	--
MAY										
20...	1330	--	--	20	<.002	<.01	--	<.002	<.01	<.01
JUN										
17...	1230	--	--	40	--	--	--	--	--	--
JUL										
29...	1200	--	--	20	<.002	<.01	--	<.002	<.01	<.01
AUG										
19...	1230	--	--	<10	--	--	--	--	--	--
SEP										
16...	1220	--	--	10	--	--	--	--	--	--

DATE	TIME	P,P' DDT, TOTAL (UG/L) (39300)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
OCT, 1985										
15...	1300	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
MAR, 1986										
18...	1330	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
MAY, 1986										
20...	1330	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
JUL, 1986										
29...	1200	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL 5 DAY (MG/L) (00310)
OCT, 1985											
15...	1400	9827	9827	1470	615	7.99	23.0	30	6.7	30	2.8
NOV											
06...	1345	9827	9827	17200	648	7.89	16.0	120	7.8	43	2.8
DEC											
10...	1330	9827	9827	43900	370	7.67	11.0	60	8.9	46	2.6
JAN, 1986											
21...	1320	9827	9827	4610	767	7.91	14.0	30	10.8	26	--
FEB											
19...	1400	9827	9827	40800	202	7.59	12.0	75	9.7	36	2.2
MAR											
18...	1430	9827	9827	9380	658	7.99	19.0	45	8.8	29	3.2
APR											
15...	1400	9827	9827	37500	371	7.63	20.0	50	6.6	51	1.5
MAY											
20...	1420	9827	9827	30900	358	7.74	23.0	230	7.0	25	1.4
JUN											
17...	1300	9827	9827	47600	313	--	28.0	70	5.8	28	1.8
JUL											
29...	1300	9827	9827	4510	786	--	32.0	25	8.4	17	4.6
AUG											
19...	1315	9827	9827	4620	1110	8.35	31.0	20	8.5	29	4.6
SEP											
16...	1310	9827	9827	10100	239	8.05	28.0	90	6.6	23	1.2

DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT, 1985										
15...	1400	48	190	48	70	--	35	.32	.090	.01
NOV										
06...	1345	100	150	72	100	387	202	.29	.210	.79
DEC										
10...	1330	50	100	36	41	253	68	.29	.190	.51
JAN, 1986										
21...	1320	8	210	82	120	464	40	.35	.100	.60
FEB										
19...	1400	190	62	18	12	156	121	.36	.130	.57
MAR										
18...	1430	190	180	70	88	374	84	.07	.110	.79
APR										
15...	1400	100	88	41	50	254	92	.21	.240	.66
MAY										
20...	1420	240	100	37	45	254	303	.35	.150	.95
JUN										
17...	1300	60	90	30	34	210	80	.23	.090	.91
JUL										
29...	1300	--	220	81	110	480	50	.17	.050	1.4
AUG										
19...	1315	16	--	89	200	--	39	.19	.030	1.1
SEP										
16...	1310	70	72	--	23	151	131	.33	.090	1.0

RED RIVER BASIN

07344350 RED RIVER NEAR SPRING BANK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	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)	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)
OCT, 1985										
15...	1400	.10	.42	.110	.070	12	<1	1	<15	43
NOV										
06...	1345	1.0	1.3	.240	.090	--	<1	6	<15	--
DEC										
10...	1330	.70	.99	.180	.120	--	<1	1	<15	--
JAN, 1986										
21...	1320	.70	1.1	.100	.030	2	<1	1	<15	80
FEB										
19...	1400	.70	1.1	.210	.110	--	<1	1	<15	11
MAR										
18...	1430	.90	.97	.150	.050	--	<1	3	<15	80
APR										
15...	1400	.90	1.1	.160	.100	12	<1	5	<15	7
MAY										
20...	1420	1.1	1.5	.270	--	--	1	9	16	36
JUN										
17...	1300	1.0	1.2	--	.090	--	<1	5	<15	3
JUL										
29...	1300	1.4	1.6	.140	.010	3	<1	2	<15	--
AUG										
19...	1315	1.1	1.3	.100	.020	--	<1	1	<15	1
SEP										
16...	1310	1.1	1.4	.190	.090	--	<1	8	<15	4

DATE	TIME	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)
OCT, 1985										
15...	1400	--	<1	20	<.002	<.01	--	<.002	<.01	<.01
NOV										
06...	1345	--	--	30	--	--	--	--	--	--
DEC										
10...	1330	--	--	10	--	--	--	--	--	--
JAN, 1986										
21...	1320	<.50	<1	30	--	--	--	--	--	--
MAR										
18...	1430	--	--	30	<.002	<.01	<.01	<.002	<.01	<.01
APR										
15...	1400	--	<1	10	--	--	--	--	--	--
MAY										
20...	1420	--	--	30	<.002	<.01	--	<.002	<.01	<.01
JUN										
17...	1300	--	--	<10	--	--	--	--	--	--
JUL										
29...	1300	--	--	10	<.002	<.01	--	<.002	<.01	<.01
AUG										
19...	1315	--	--	10	--	--	--	--	--	--
SEP										
16...	1310	--	--	<10	--	--	--	--	--	--

DATE	TIME	P,P' DDT, TOTAL (UG/L) (39300)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)
OCT, 1985										
15...	1400	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
MAR, 1986										
18...	1430	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
MAY, 1986										
20...	1420	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1
JUL, 1986										
29...	1300	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
22...	1258	9827	9827	223	5.69	21.0	--	5.3	1.6
NOV 19...	1221	9827	9827	115	6.05	20.0	25	--	2.1
DEC 17...	1212	9827	9827	2630	5.60	7.0	10	10.3	1.5
JAN, 1986 21...	1315	9827	9827	115	5.82	13.0	5.0	9.5	1.0
FEB 18...	1442	9827	9827	296	--	16.0	7.0	8.0	.4
MAR 18...	1332	9827	9827	309	5.91	17.0	--	7.2	2.1
APR 15...	1257	9827	9827	515	5.77	19.0	15	5.0	1.9
MAY 27...	1310	9827	9827	55	6.18	22.0	10	5.9	1.4
JUN 24...	1315	9827	9827	88	6.34	29.0	20	4.0	2.3
JUL 15...	1310	9827	9827	79	6.45	28.0	--	4.8	1.8
AUG 12...	1311	9827	9827	34	6.99	27.0	10	--	1.8
SEP 16...	1401	9827	9827	6.0	6.71	26.0	8.0	2.4	1.5
DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
22...	1258	64	52	--	79	--	27	.02	.020
NOV 19...	1221	190	50	9.0	72	--	20	.03	<.010
DEC 17...	1212	36	24	7.0	25	86	6	.02	<.010
JAN, 1986 21...	1315	20	36	7.0	64	161	15	.14	.040
FEB 18...	1442	12	30	10	7.5	123	12	.01	.020
MAR 18...	1332	240	52	9.0	120	175	14	.03	.110
APR 15...	1257	190	24	5.0	34	120	38	--	.050
MAY 27...	1310	130	38	--	52	151	16	.07	.080
JUN 24...	1315	48	42	--	36	--	62	.06	.140
JUL 15...	1310	100	42	--	27	161	16	.07	.180
AUG 12...	1311	48	38	15	33	--	27	--	.140
SEP 16...	1401	160	40	--	29	129	10	.31	.060

RED RIVER BASIN

07348650 BAYOU DORCHEAT NEAR TAYLOR, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
22...	1258	.080	.020	--	1	--	--	--	120
NOV									
19...	1221	.090	.020	<1	2	--	--	--	50
DEC									
17...	1212	.070	.030	<1	1	20	--	--	20
JAN, 1986									
21...	1315	.040	.010	1	3	<15	1	<.50	<10
FEB									
18...	1442	.040	.010	<1	1	<15	3	--	10
MAR									
18...	1332	.050	.030	<1	2	<15	2	--	--
APR									
15...	1257	.080	.030	--	2	<15	5	--	10
MAY									
27...	1310	--	.030	<1	2	<15	2	--	10
JUN									
24...	1315	.130	.020	<1	2	<15	1	--	<10
JUL									
15...	1310	.070	.020	<1	2	<15	2	--	10
AUG									
12...	1311	.050	.020	<1	<1	<15	1	--	10
SEP									
16...	1401	.110	.040	<1	<1	<15	6	--	10

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985										
22...	1334	9827	9827	--	6.63	21.0	--	5.3	1.9	56
NOV										
19...	1259	9827	9827	--	6.22	19.0	3.0	--	1.1	24
DEC										
17...	1318	9827	9827	--	5.93	8.0	10	9.3	1.7	28
JAN, 1986										
21...	1350	9827	9827	--	6.41	12.0	4.0	9.7	1.3	12
FEB										
18...	1410	9827	9827	--	5.82	13.0	7.0	8.3	.7	60
MAR										
18...	1448	9827	9827	--	6.45	18.0	--	7.1	2.2	--
APR										
15...	1420	9827	9827	--	6.00	19.0	10	4.7	2.3	130
MAY										
27...	1420	9827	9827	--	6.40	23.0	15	4.5	1.8	200
JUN										
24...	1412	9827	9827	.00	6.40	30.0	20	3.8	2.3	68
JUL										
15...	1400	9827	9827	.00	6.40	29.0	--	3.9	1.8	110
AUG										
12...	1403	9827	9827	.00	7.13	30.0	20	--	1.7	72
SEP										
16...	1455	9827	9827	.00	6.75	30.0	8.0	5.4	3.0	64
DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT, 1985										
22...	1334	30	--	31	--	14	.05	.140	.090	.050
NOV										
19...	1259	44	9.0	77	--	6	.04	<.010	.100	.050
DEC										
17...	1318	16	9.0	13	71	4	.04	<.010	.090	.060
JAN, 1986										
21...	1350	36	9.0	36	102	6	.14	.030	.090	.050
FEB										
18...	1410	22	12	44	99	9	.07	.010	.070	.040
MAR										
18...	1448	34	9.0	46	108	24	.07	.080	.120	.070
APR										
15...	1420	22	8.0	20	97	18	--	.060	.100	.060
MAY										
27...	1420	24	--	27	107	17	.14	.050	--	.080
JUN										
24...	1412	30	--	24	--	40	.20	.020	.210	.100
JUL										
15...	1400	40	--	19	149	14	.18	.060	.180	.130
AUG										
12...	1403	30	13	25	--	20	--	.060	.130	.090
SEP										
16...	1455	38	--	26	97	10	.10	.040	.140	.060

RED RIVER BASIN

07349440 BODCAU CREEK NEAR LEWISVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
22...	1334	3	--	<1	--	--	--	<1	70
NOV									
19...	1259	--	1	<1	--	--	--	--	40
DEC									
17...	1318	--	<1	1	28	--	--	--	20
JAN, 1986									
21...	1350	<1	<1	3	<15	1	<.50	<1	10
FEB									
18...	1410	--	<1	<1	<15	3	--	--	10
MAR									
18...	1448	--	<1	3	<15	4	--	--	--
APR									
15...	1420	3	--	2	<15	5	--	<1	10
MAY									
27...	1420	--	<1	2	<15	--	2.00	--	10
JUN									
24...	1412	--	<1	3	<15	3	--	--	20
JUL									
15...	1400	3	<1	2	<15	3	--	<1	20
AUG									
12...	1403	--	<1	1	<15	2	--	--	10
SEP									
16...	1455	--	<1	<1	<15	4	--	--	10

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985									
22...	1130	9827	9827	7.28	21.0	20	6.2	12	400
NOV									
12...	1100	9827	9827	6.59	--	4.0	8.1	4.7	140
DEC									
10...	1100	9827	9827	7.43	13.0	15	9.8	4.7	670
JAN, 1986									
28...	1130	9827	9827	7.30	4.0	15	--	1.1	16
FEB									
25...	1115	9827	9827	7.38	11.0	9.0	11.6	1.1	72
MAR									
25...	1115	9827	9827	7.49	17.0	25	11.3	2.4	64
APR									
22...	1130	9827	9827	6.95	15.0	15	10.4	1.0	170
MAY									
13...	1100	9827	9827	7.10	21.0	15	8.8	2.2	290
JUN									
24...	1200	9827	9827	7.18	28.0	15	7.1	5.0	320
JUL									
29...	1100	9827	9827	7.30	30.0	--	5.2	<5.2	880
AUG									
19...	1130	9827	9827	7.47	27.0	45	6.5	8.8	470
SEP									
09...	1130	9827	9827	7.12	24.0	45	7.0	5.9	--
DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985									
22...	1130	36	20	17	141	26	.24	.640	2.45
NOV									
12...	1100	18	8.0	5.5	47	<1	.14	.150	--
DEC									
10...	1100	22	11	9.5	76	17	.66	.130	.780
JAN, 1986									
28...	1130	22	9.0	4.5	44	7	.13	.100	.050
FEB									
25...	1115	16	9.0	4.5	35	18	.15	.010	.080
MAR									
25...	1115	24	8.0	6.5	47	80	--	.040	.220
APR									
22...	1130	18	5.0	4.0	59	7	.31	.070	--
MAY									
13...	1100	22	9.0	4.5	47	8	.28	.110	.210
JUN									
24...	1200	28	9.0	5.0	53	20	--	.070	.800
JUL									
29...	1100	34	--	12	120	36	.69	.560	3.10
AUG									
19...	1130	26	12	9.5	--	92	.36	.170	.190
SEP									
09...	1130	40	--	--	97	59	.33	--	2.60

RED RIVER BASIN

07355825 PRAIRIE CREEK NEAR MENA, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985								
22...	1130	2.30	<1	1	<15	3	--	20
NOV								
12...	1100	.060	<1	1	<15	<1	--	<10
DEC								
10...	1100	.600	<1	1	<15	<1	--	10
JAN, 1986								
28...	1130	.040	1	6	47	--	<.50	50
FEB								
25...	1115	.050	<1	1	<15	<1	--	10
MAR								
25...	1115	.080	<1	1	17	1	--	180
APR								
22...	1130	.030	<1	1	<15	1	--	10
MAY								
13...	1100	--	<1	<1	--	2	--	<10
JUN								
24...	1200	.520	<1	1	<15	1	--	<10
JUL								
29...	1100	2.20	<1	<1	<15	2	--	<10
AUG								
19...	1130	--	<1	<1	<15	3	--	<10
SEP								
09...	1130	1.40	<1	<1	<15	3	--	<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 mi².

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: May 20 to June 23. Water-discharge records good except for estimated daily discharges, which are fair. As of August 1977, flow from 34.3 mi² 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.--45 years, 724 ft³/s, 524,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 102,000 ft³/s Dec. 3, 1982, gage height, 39.78 ft, from flood-marks; minimum, 2.3 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 27	1700	*28,200	*22.48	Apr. 20	1400	11,800	14.09

Minimum discharge, 30 ft³/s Oct. 14, gage height, 1.05 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	976	4850	201	116	213	173	651	280	720	41	58
2	49	619	2780	193	116	203	174	1620	300	544	94	58
3	45	457	1670	183	476	195	177	830	800	463	114	61
4	44	359	1250	175	7250	187	439	614	1800	347	69	76
5	42	290	1010	168	2970	178	3530	491	3000	283	57	149
6	38	242	822	161	5470	170	2210	420	5000	228	51	249
7	34	207	693	155	4080	168	1310	369	3000	196	58	212
8	33	178	605	153	2080	164	1010	317	5000	168	110	150
9	33	161	533	148	1480	158	800	281	3500	148	122	117
10	33	150	497	141	1200	164	641	256	2300	131	188	97
11	33	140	4890	138	987	171	547	805	2500	115	479	90
12	33	134	3170	136	833	652	635	652	1600	100	229	107
13	32	127	1800	132	724	628	764	447	1100	89	151	112
14	36	120	1280	127	658	483	611	348	820	79	119	124
15	42	326	1030	124	612	411	546	388	630	70	101	114
16	36	1870	861	122	552	380	460	705	510	63	333	111
17	37	1220	732	137	510	350	410	1380	430	58	408	235
18	53	3110	634	147	466	365	374	2490	370	52	280	314
19	81	1950	551	170	430	445	1060	2570	320	48	184	195
20	129	1410	488	171	394	397	9220	1400	270	44	172	150
21	156	1060	442	168	360	353	3160	1100	240	73	135	127
22	115	840	404	158	329	323	1740	850	210	62	117	114
23	92	681	373	153	308	301	1200	670	190	67	102	105
24	79	594	344	146	287	281	917	550	169	114	92	96
25	68	572	309	142	269	259	732	490	170	127	84	89
26	62	1940	279	137	254	241	602	440	154	90	78	81
27	57	23700	224	130	240	226	521	390	140	71	78	77
28	74	9390	252	125	225	213	580	350	3760	61	75	72
29	477	2930	237	122	---	201	496	330	3260	54	72	68
30	707	2090	224	119	---	191	403	310	1090	47	65	64
31	1020	---	216	117	---	181	---	290	---	43	62	---
TOTAL	3821	57843	33450	4599	33676	8852	35442	22804	42913	4755	4320	3672
MEAN	123	1928	1079	148	1203	286	1181	736	1430	153	139	122
MAX	1020	23700	4890	201	7250	652	9220	2570	5000	720	479	314
MIN	32	120	216	117	116	158	173	256	140	43	41	58
CFSM	.30	4.66	2.61	.36	2.91	.69	2.85	1.78	3.45	.37	.34	.29
IN.	.34	5.20	3.01	.41	3.03	.80	3.18	2.05	3.86	.43	.39	.33
AC-FT	7580	114700	66350	9120	66800	17560	70300	45230	85120	9430	8570	7280
CAL YR 1985	TOTAL	305613	MEAN	837	MAX	23700	MIN	26	CFSM	2.02	IN.	27.46
WTR YR 1986	TOTAL	256147	MEAN	702	MAX	23700	MIN	32	CFSM	1.70	IN.	23.02
											AC-FT	606200
											AC-FT	508100

RED RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)
OCT, 1985									
08...	0900	9827	9827	--	33	97	7.76	17.0	2.0
29...	0905	9827	9827	--	382	83	7.42	16.0	15
NOV									
26...	0900	9827	9827	--	536	62	7.20	15.0	7.0
JAN, 1986									
21...	0915	9827	9827	--	168	69	7.50	10.0	2.0
FEB									
18...	0850	9827	9827	--	471	46	7.11	10.0	5.0
MAR									
18...	0855	9827	9827	--	328	58	7.26	16.0	5.0
APR									
15...	0900	9827	9827	--	564	46	7.14	18.0	6.0
MAY									
20...	0900	9827	9827	1800	--	36	7.06	18.0	20
JUN									
24...	0910	9827	9827	--	173	57	7.35	27.0	3.0
JUL									
15...	0905	9827	9827	--	70	64	7.25	29.0	5.0
SEP									
02...	0845	9827	9827	--	57	--	7.42	25.0	3.5
16...	0845	9827	9827	--	110	68	7.43	24.0	3.5

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
OCT, 1985									
08...	0900	9.1	6	.8	20	50	6.0	4.0	55
29...	0905	8.8	9	1.5	--	32	6.0	4.5	60
NOV									
26...	0900	9.8	5	1.2	80	26	8.0	4.5	28
JAN, 1986									
21...	0915	11.5	3	1.1	12	28	6.0	3.0	36
FEB									
18...	0850	10.6	10	.9	210	18	5.0	3.5	37
MAR									
18...	0855	9.5	7	1.3	40	22	8.0	3.5	27
APR									
15...	0900	9.3	10	1.1	28	18	<3.0	4.0	37
MAY									
20...	0900	9.5	9	1.6	240	18	7.0	2.5	47
JUN									
24...	0910	8.5	1	1.9	36	22	8.0	1.8	21
JUL									
15...	0905	7.3	11	2.3	8	38	6.0	1.5	83
SEP									
02...	0845	8.0	6	1.7	24	24	6.0	2.5	33
16...	0845	7.9	7	.8	64	28	<1.0	3.0	33

07356000 OUACHITA RIVER NEAR MOUNT IDA, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L) AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	NITRO- GEN, TOTAL (MG/L) AS N) (00600)	PHOS- PHORUS, TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L) AS P) (70507)
OCT, 1985									
08...	0900	1	.02	.040	--	<.10	--	.020	.040
29...	0905	13	.08	.010	.19	.20	.28	.070	.040
NOV									
26...	0900	2	--	.040	.16	.20	--	.050	.010
JAN, 1986									
21...	0915	2	.03	.040	.06	.10	.13	<.010	<.010
FEB									
18...	0850	2	.30	.030	--	<.10	--	.030	.010
MAR									
18...	0855	2	.04	.070	.23	.30	.34	.020	.020
APR									
15...	0900	4	--	.030	--	<.10	--	.030	.020
MAY									
20...	0900	12	.19	.040	--	--	--	.060	.020
JUN									
24...	0910	3	.04	.010	.69	.70	.74	.030	.050
JUL									
15...	0905	9	--	.140	.36	.50	--	.050	.010
SEP									
02...	0845	5	.05	.020	--	<.10	--	.010	.010
16...	0845	3	.06	.020	.18	.20	.26	.080	.030

DATE	TIME	ARSENIC TOTAL (UG/L) AS AS) (01002)	CADMIUM TOTAL RECOV- ERABLE (UG/L) AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L) AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L) AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L) AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L) AS HG) (71900)	SELE- NIUM, TOTAL (UG/L) AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L) AS ZN) (01092)
OCT, 1985									
08...	0900	4	<1	<1	<15	<1	--	2	10
29...	0905	--	<1	1	<15	1	--	--	--
NOV									
26...	0900	--	<1	1	<15	1	--	--	--
JAN, 1986									
21...	0915	1	<1	--	<15	<1	<.50	<1	60
FEB									
18...	0850	--	<1	4	--	2	--	--	--
MAR									
18...	0855	--	1	1	<15	2	--	--	--
APR									
15...	0900	3	<1	1	<15	1	--	<1	--
MAY									
20...	0900	--	<1	1	<15	1	--	--	--
JUN									
24...	0910	--	<1	1	<15	1	--	--	<10
SEP									
02...	0845	--	<1	<1	<15	1	--	--	<10
16...	0845	--	<1	<1	<15	1	--	--	<10

RED RIVER BASIN

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER)	AGENCY ANALYZING SAMPLE (CODE NUMBER)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
08...	1500	9827	9827	2540	7.10	18.0	3.2	5.3	2.2
29...	1445	9827	9827	3390	6.98	16.0	3.0	5.7	1.2
NOV									
26...	1530	9827	9827	3220	7.10	16.0	3.0	7.7	.6
JAN, 1986									
21...	1600	9827	9827	2540	7.36	9.0	1.0	11.6	3.4
FEB									
18...	1605	9827	9827	4240	7.38	11.0	1.0	11.2	1.0
MAR									
18...	1515	9827	9827	.00	7.15	14.0	6.0	10.6	1.7
APR									
15...	1600	9827	9827	4570	6.83	15.0	15	8.0	1.5
MAY									
20...	1545	9827	9827	4240	6.90	16.0	2.5	7.7	3.5
JUN									
24...	1630	9827	9827	4570	7.22	18.0	3.5	7.8	2.0
JUL									
15...	1600	9827	9827	6440	6.95	19.0	2.0	7.0	.7
SEP									
02...	1530	9827	9827	3390	7.14	17.0	3.0	5.5	.9
16...	1500	9827	9827	3220	6.94	20.0	3.0	4.9	1.6

DATE	TIME	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CaCO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C SUS-PENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
08...	1500	24	26	5.0	3.5	40	1	.01	.120
29...	1445	16	24	5.0	3.0	45	4	.11	.030
NOV									
26...	1530	--	22	11	4.0	20	4	--	.090
JAN, 1986									
21...	1600	<4	22	5.0	4.5	36	2	.24	.050
FEB									
18...	1605	<4	22	7.0	3.5	37	<1	.07	.040
MAR									
18...	1515	190	28	6.0	2.5	30	8	.18	.100
APR									
15...	1600	24	22	3.0	3.5	44	8	--	.070
MAY									
20...	1545	--	32	6.0	4.0	48	<1	.20	.080
JUN									
24...	1630	--	24	8.0	1.8	26	7	.19	.040
JUL									
15...	1600	48	22	5.0	2.5	79	4	--	.060
SEP									
02...	1530	4	22	6.0	1.5	42	2	.17	.050
16...	1500	<4	24	3.0	2.5	34	4	.48	.060

07358501 OUACHITA RIVER AT CARPENTER DAM NEAR HOT SPRINGS ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
08...	1500	.030	<.010	<1	<1	<15	<1	--	10
29...	1445	.040	.020	<1	<1	<15	<1	--	--
NOV									
26...	1530	.040	<.010	<1	<1	<15	3	--	--
JAN, 1986									
21...	1600	<.010	<.010	<1	--	<15	2	<.50	80
FEB									
18...	1605	.010	.010	--	--	--	--	--	--
MAR									
18...	1515	.020	.030	--	1	15	2	--	--
APR									
15...	1600	.050	.040	<1	1	<15	1	--	--
MAY									
20...	1545	.020	<.010	3	1	<15	<1	--	--
JUN									
24...	1630	.030	.040	1	1	<15	5	--	200
JUL									
15...	1600	.010	.010	<1	1	<15	5	--	--
SEP									
02...	1530	<.010	<.010	<1	<1	<15	<1	--	<10
16...	1500	.070	.020	<1	<1	<15	4	--	30

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 Rammel Dam, and at mile 450.1.

DRAINAGE AREA.--1,585 mi².

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 Rammel 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 Rammel Dam, 5.8 mi upstream at datum 20.11 ft higher.

REMARKS.--Estimated daily discharges: Apr. 14 to May 2. Water-discharge records good except for estimated daily discharges, 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.--59 years (1925-26, 1928-86), 2,413 ft³/s, 1,748,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 140,000 ft³/s May 15, 1923, gage height, 30.3 ft; minimum, 34 ft³/s May 15, 1977, gage height, 0.33 ft; minimum daily observed, 40 ft³/s Dec. 18-20, 1904.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 56,900 ft³/s Apr. 5, gage height, 21.26 ft; minimum, 52 ft³/s Feb. 1, gage height, 0.61 ft; minimum daily, 252 ft³/s Mar. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	639	2800	3270	3930	325	3540	568	2100	1100	2390	1770	628
2	861	2680	3990	3940	534	2200	525	1800	2500	2640	2590	1250
3	603	2550	3950	3930	1540	1200	524	1420	3640	2650	1040	2170
4	582	2520	3950	3910	2090	376	6820	881	3630	1190	748	2140
5	655	2930	3940	3850	2640	494	34500	2310	3320	1400	1240	2220
6	383	2670	3930	3130	2830	602	7260	1630	4230	1240	1440	526
7	835	2880	3920	2610	3190	543	4020	2410	5410	2220	1620	580
8	951	2580	3920	2630	3800	568	5240	2460	4570	2110	1690	295
9	745	2910	3920	2700	3280	548	3050	1980	7390	2550	1250	1650
10	921	2220	3940	2400	3900	634	2440	753	9150	2740	2270	1740
11	1480	2990	17300	1960	3900	746	2910	492	10600	1690	1460	1920
12	1450	1360	7560	846	3900	3870	3110	2050	9100	2140	1500	1860
13	908	415	4080	1810	3900	2400	2890	1260	8040	746	1140	959
14	1930	526	4020	1110	3900	750	2500	807	6760	1790	1410	692
15	844	720	4000	1610	3900	1740	2400	659	5970	2100	1280	1800
16	1360	964	3990	1080	3910	1150	2400	640	7580	2260	1410	1720
17	1610	2350	3970	917	3550	815	2300	2150	6860	2220	1400	1350
18	2070	2950	3940	1130	3210	1260	2400	1620	5380	2200	1830	1780
19	2190	1920	3940	458	3150	1410	4200	2180	3910	1370	3420	1680
20	1270	912	3940	1870	3290	1100	6000	2180	3900	1370	3080	696
21	2430	1280	3930	2050	3290	794	4400	1800	3900	2010	3180	823
22	1830	690	3940	2110	3150	965	3400	1900	3900	1550	3200	1580
23	1690	2270	3490	1650	2560	469	3500	1510	3910	680	2940	1660
24	2100	2100	3850	983	2560	752	3000	2210	3900	1110	3210	1940
25	1570	2010	3140	454	3150	982	2900	771	2660	1380	3490	2130
26	744	2030	3900	539	3890	252	2600	530	2750	1290	3500	1360
27	1210	4890	3780	1220	3460	557	2600	1520	2200	793	3170	674
28	1580	5510	3870	1100	3290	595	2600	2210	2440	1640	3400	519
29	2510	3960	3939	664	---	577	2500	1150	2360	2530	2800	963
30	2530	3440	3960	667	---	518	2400	2300	3880	2240	646	823
31	3310	---	3430	768	---	495	---	1490	---	2380	463	---
TOTAL	43791	70027	136690	58026	86089	32902	125957	49173	144940	56619	63587	40128
MEAN	1413	2334	4409	1872	3075	1061	4199	1586	4831	1826	2051	1338
MAX	3310	5510	17300	3940	3910	3870	34500	2460	10600	2740	3500	2220
MIN	383	415	3140	454	325	252	524	492	1100	680	463	295
AC-FT	86860	138900	271100	115100	170800	65260	249800	97530	287500	112300	126100	79590
CAL YR 1985	TOTAL	1139614	MEAN	3122	MAX	23000	MIN	300	AC-FT	2260000		
WTR YR 1986	TOTAL	907929	MEAN	2487	MAX	34500	MIN	252	AC-FT	1801000		

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985										
08...	1430	9827	9827	169	7.25	18.0	3.6	9.2	11	3.7
29...	1415	9827	9827	169	7.14	16.0	4.0	7.6	11	2.3
NOV										
26...	1505	9827	9827	194	6.96	16.0	3.0	8.2	8	3.9
JAN, 1986										
21...	1545	9827	9827	79	7.49	11.0	2.0	12.5	13	2.8
FEB										
18...	1545	9827	9827	76	7.48	11.0	3.0	11.9	13	--
MAR										
18...	1415	9827	9827	84	7.06	14.0	4.0	10.7	16	2.2
APR										
15...	1530	9827	9827	65	7.07	16.0	9.0	9.3	14	2.3
MAY										
20...	1500	9827	9827	82	7.05	19.0	3.5	9.0	8	2.1
JUN										
24...	1600	9827	9827	89	7.43	21.0	3.5	9.0	5	1.1
JUL										
15...	1515	9827	9827	64	7.20	25.0	3.0	8.6	12	2.0
SEP										
02...	1500	9827	9827	--	7.19	22.0	2.5	8.6	10	2.0
16...	1430	9827	9827	60	7.23	21.0	1.8	8.0	7	1.3
DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT, 1985										
08...	1430	<4	40	24	23	103	3	1.0	.310	.19
29...	1415	16	36	18	19	90	6	.67	.570	.23
NOV										
26...	1505	56	52	15	34	91	3	--	.470	--
JAN, 1986										
21...	1545	4	30	7.0	3.5	37	4	.16	.060	--
FEB										
18...	1545	4	24	7.0	8.5	59	2	.25	--	--
MAR										
18...	1415	40	3	10	4.5	37	8	.28	.080	.22
APR										
15...	1530	210	24	8.0	3.5	47	11	--	.010	.29
MAY										
20...	1500	<4	30	8.0	8.5	59	30	.30	.080	.42
JUN										
24...	1600	16	20	9.0	2.3	34	2	.12	.020	--
JUL										
15...	1515	20	30	7.0	2.0	101	8	--	.070	.33
SEP										
02...	1500	60	40	9.0	2.0	39	5	.17	.010	--
16...	1430	20	26	6.0	8.0	30	2	.15	.010	--

RED RIVER BASIN

07359500 OUACHITA RIVER NEAR MALVERN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	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)	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)
OCT, 1985										
08...	1430	.50	1.5	.050	.050	6	<1	<1	<15	1
29...	1415	.80	1.5	.070	.050	--	<1	3	<15	1
NOV										
26...	1505	--	--	.060	.020	--	<1	1	<15	3
JAN, 1986										
21...	1545	<.10	--	.010	<.010	1	<1	<15	1	<1
FEB										
18...	1545	--	--	.040	.010	--	<1	6	<15	2
MAR										
18...	1415	.30	.58	.050	.030	--	<1	2	<15	1
APR										
15...	1530	.30	--	.060	.030	4	1	2	<15	2
MAY										
20...	1500	.50	.80	.040	.010	--	<1	1	<15	1
JUN										
24...	1600	<.10	--	.030	.040	--	--	--	--	--
JUL										
15...	1515	.40	--	.050	.030	1	<1	1	<15	8
SEP										
02...	1500	<.10	--	.010	.010	--	<1	<1	<15	2
16...	1430	<.10	--	.070	.020	--	<1	<1	<5	<1

DATE	TIME	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)
OCT, 1985										
08...	1430	--	1	120	<.002	<.01	<.002	<.01	<.01	<.01
JAN, 1986										
21...	1545	<1.00	--	80	--	--	--	--	--	--
FEB										
18...	1545	--	--	--	<.002	<.01	<.002	<.01	<.01	<.01
APR										
15...	1530	--	<1	--	<.002	<.01	<.002	<.01	<.01	<.01
JUL										
15...	1515	--	2	--	<.002	<.01	<.002	<.01	<.01	<.01
SEP										
02...	1500	--	--	20	--	--	--	--	--	--
16...	1430	--	--	10	--	--	--	--	--	--

DATE	TIME	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCOR 1260 PCB TOTAL (UG/L) (39508)
OCT, 1985									
08...	1430	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
FEB, 1986									
18...	1545	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
APR, 1986									
15...	1530	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
JUL, 1986									
15...	1515	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
08...	1355	9827	9827	646	7.20	19.0	2.8	9.0	2.2
29...	1340	9827	9827	2140	6.86	17.0	4.0	6.7	3.2
NOV									
26...	1420	9827	9827	2760	6.85	16.0	1.0	8.6	2.9
JAN, 1986									
21...	1515	9827	9827	2180	--	11.0	3.0	12.3	--
FEB									
18...	1500	9827	9827	3360	7.35	12.0	2.0	11.5	2.7
MAR									
18...	1335	9827	9827	1020	7.06	16.0	4.0	9.1	1.8
APR									
15...	1500	9827	9827	3600	6.75	18.0	4.0	9.8	1.9
MAY									
20...	1430	9827	9827	2930	6.99	19.0	4.5	9.6	2.1
JUN									
24...	1530	9827	9827	3900	7.22	21.0	3.5	8.8	2.0
JUL									
15...	1445	9827	9827	2560	7.05	25.0	3.0	8.2	1.6
SEP									
02...	1435	9827	9827	815	6.96	22.0	3.0	8.4	1.9
16...	1400	9827	9827	1700	7.34	24.0	4.0	8.0	1.4

DATE	TIME	COLI-FORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARD-NESS (MG/L AS CaCO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
08...	1355	4	40	21	24	99	3	.84	.150
29...	1340	32	32	22	22	103	6	.89	.950
NOV									
26...	1420	>600	62	19	36	84	2	--	.310
JAN, 1986									
21...	1515	12	26	6.0	3.5	37	4	.13	.030
FEB									
18...	1500	8	32	7.0	9.0	52	4	.17	.040
MAR									
18...	1335	1900	22	9.0	5.5	27	6	.32	.090
APR									
15...	1500	120	24	3.0	3.5	59	13	--	.020
MAY									
20...	1430	8	30	8.0	8.5	64	2	.41	.060
JUN									
24...	1530	--	22	8.0	2.0	32	9	.22	.010
JUL									
15...	1445	36	26	6.0	2.5	83	7	--	.010
SEP									
02...	1435	12	20	7.0	2.5	31	4	.23	.120
16...	1400	40	26	8.0	2.5	35	8	.22	.010

RED RIVER BASIN

07359580 OUACHITA RIVER NEAR DONALDSON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
08...	1355	.020	.040	<1	<1	<15	<1	--	40
29...	1340	.070	.050	<1	1	<15	<1	--	--
NOV									
26...	1420	.060	.020	<1	2	<15	1	--	--
JAN, 1986									
21...	1515	.010	<.010	<1	--	<15	1	<.50	90
FEB									
18...	1500	.030	.010	<1	1	--	3	--	--
MAR									
18...	1335	.040	.030	<1	1	<15	1	--	--
APR									
15...	1500	.090	.040	<1	1	<15	1	--	--
MAY									
20...	1430	.030	.020	<1	<1	<15	<1	--	--
JUN									
24...	1530	.040	.030	<1	2	<15	2	--	100
JUL									
15...	1445	.040	.020	<1	<1	<15	5	--	--
SEP									
02...	1435	.020	.010	1	<1	<15	2	--	40
16...	1400	.070	.040	<1	<1	<15	<1	--	<10

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985									
08...	1000	9827	9827	7.35	15.0	.10	9.4	.3	4
29...	1000	9827	9827	7.13	16.0	7.0	9.2	.8	130
NOV									
26...	1000	9827	9827	6.76	17.0	3.0	9.6	.7	--
JAN, 1986									
21...	1025	9827	9827	7.06	11.0	1.0	11.2	.7	260
FEB									
18...	0950	9827	9827	6.88	11.0	2.0	10.8	.7	28
MAR									
18...	1000	9827	9827	6.88	15.0	7.0	9.7	1.8	>600
APR									
15...	1020	9827	9827	6.66	14.0	3.0	10.2	.7	4
MAY									
20...	1015	9827	9827	6.75	17.0	4.5	9.9	.9	68
JUN									
24...	1025	9827	9827	7.17	25.0	1.0	8.9	1.2	160
JUL									
15...	1005	9827	9827	7.05	24.0	2.0	8.2	.5	360
SEP									
02...	0945	9827	9827	7.19	24.0	1.5	8.6	1.2	190
16...	0935	9827	9827	7.12	23.0	2.0	8.8	.6	260

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985									
08...	1000	--	20	3.0	58	--	.04	<.010	.020
29...	1000	16	8.0	2.5	38	1	.10	<.010	.040
NOV									
26...	1000	40	36	3.5	56	2	--	.040	.040
JAN, 1986									
21...	1025	54	49	2.0	87	<1	.08	.030	<.010
FEB									
18...	0950	30	21	3.5	64	<1	.19	.030	.010
MAR									
18...	1000	34	27	3.0	47	18	.12	.080	.080
APR									
15...	1020	32	27	3.0	48	2	--	<.010	.010
MAY									
20...	1015	28	18	3.0	63	1	.10	.020	.020
JUN									
24...	1025	20	11	1.3	29	1	.08	<.010	.010
JUL									
15...	1005	38	19	1.3	112	1	--	.010	<.010
SEP									
02...	0945	34	19	1.5	50	<1	.08	.050	<.010
16...	0935	44	40	4.0	80	<1	.10	.010	.060

RED RIVER BASIN

07359653 SOUTH FORK CADDORIVER AT FANCY HILL, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
08...	1000	.040	<1	<1	<15	<1	--	--	10
29...	1000	.030	<1	1	<15	<1	--	<1	--
NOV									
26...	1000	.010	1	<1	17	1	--	--	--
JAN, 1986									
21...	1025	<.010	1	--	<15	<1	<.50	--	80
FEB									
18...	0950	<.010	<1	<1	--	3	--	--	--
MAR									
18...	1000	.060	<1	1	<15	2	--	--	--
APR									
15...	1020	.010	<1	1	<15	<1	--	--	--
MAY									
20...	1015	.020	<1	<1	<15	<1	--	--	--
JUN									
24...	1025	.030	<1	1	<15	<1	--	--	<10
JUL									
15...	1005	<.010	1	<1	<15	8	--	--	--
SEP									
02...	0945	<.010	--	--	--	--	--	--	--
16...	0935	.020	<1	1	<15	<1	--	--	<10

07359770 CADD0 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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
08...	1305	9827	9827	48	7.93	19.0	2.2	9.7	2.3
29...	1245	9827	9827	115	7.85	17.0	3.0	9.3	1.2
NOV									
26...	1300	9827	9827	240	7.48	17.0	4.0	10.2	1.4
JAN, 1986									
21...	1330	9827	9827	86	8.18	13.0	1.0	12.8	3.1
FEB									
18...	1400	9827	9827	250	7.67	15.0	3.0	11.5	1.1
MAR									
18...	1300	9827	9827	1150	7.33	16.0	6.0	9.5	1.3
APR									
15...	1345	9827	9827	850	7.23	17.0	6.0	10.0	.9
MAY									
20...	1325	9827	9827	845	7.32	20.0	9.0	9.6	1.3
JUN									
24...	1420	9827	9827	110	7.90	27.0	2.0	10.3	2.8
JUL									
15...	1335	9827	9827	370	7.65	31.0	2.0	9.1	2.0
SEP									
02...	1330	9827	9827	48	7.64	24.0	3.5	8.1	2.5
16...	1240	9827	9827	--	7.79	25.0	3.0	9.2	1.7
DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
08...	1305	16	62	7.0	4.0	74	<1	<.01	.030
29...	1245	24	56	8.0	4.5	85	8	.02	<.010
NOV									
26...	1300	10	42	14	4.0	42	4	--	.020
JAN, 1986									
21...	1330	4	46	9.0	4.5	58	2	.07	.030
FEB									
18...	1400	8	36	7.0	3.5	57	4	.29	.030
MAR									
18...	1300	170	34	8.0	2.5	38	7	.14	.080
APR									
15...	1345	40	32	3.0	2.5	52	5	--	.010
MAY									
20...	1325	92	30	7.0	3.0	61	5	.44	.010
JUN									
24...	1420	8	42	9.0	2.0	51	4	.06	<.010
JUL									
15...	1335	12	56	6.0	2.0	109	3	--	.030
SEP									
02...	1330	24	54	9.0	2.5	74	6	.41	.010
16...	1240	24	50	7.0	2.5	59	3	.27	.010

RED RIVER BASIN

07359770 CADD0 RIVER NEAR AMITY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
08...	1305	.020	.030	<1	<1	<15	1	--	50
29...	1245	.050	.040	<1	<1	<15	<1	--	--
NOV									
26...	1300	.050	.010	<1	<1	<15	2	--	--
JAN, 1986									
21...	1330	<.010	<.010	<1	--	<15	1	<.50	80
FEB									
18...	1400	.030	.010	<1	2	--	2	--	--
MAR									
18...	1300	.030	.030	<1	<1	<15	1	--	--
APR									
15...	1345	.030	.030	<1	1	<15	2	--	--
MAY									
20...	1325	.040	.020	<1	<1	<15	1	--	--
JUN									
24...	1420	.030	.040	<1	1	<15	2	--	70
JUL									
15...	1335	.030	.020	<1	<1	<15	7	--	--
SEP									
02...	1330	.020	.010	<1	<1	<15	2	--	70
16...	1240	.070	.030	<1	<1	<15	1	--	10

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
08...	1130	9827	9827	14	7.64	16.0	.30	9.5	.7
29...	1045	9827	9827	670	7.26	16.0	8.0	9.6	1.4
NOV									
26...	1115	9827	9827	390	6.99	16.0	5.0	9.6	1.0
JAN, 1986									
21...	1130	9827	9827	46	7.38	10.0	1.0	12.4	.7
FEB									
18...	1145	9827	9827	--	7.17	13.0	1.0	11.2	.7
MAR									
18...	1105	9827	9827	670	6.91	14.0	15	9.7	1.5
APR									
15...	1130	9827	9827	197	7.05	15.0	3.0	10.5	<1.0
MAY									
20...	1115	9827	9827	250	6.92	16.0	5.0	10.2	.7
JUN									
24...	1140	9827	9827	40	7.45	27.0	1.5	9.3	1.3
JUL									
15...	1130	9827	9827	24	7.45	27.0	1.4	8.3	1.5
SEP									
02...	1105	9827	9827	21	7.46	22.0	2.0	8.0	.7
16...	1045	9827	9827	--	7.42	23.0	1.5	8.6	.9

DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
08...	1130	20	36	5.0	2.5	43	--	.01	.030
29...	1045	230	20	5.0	3.0	48	4	.02	<.010
NOV									
26...	1115	130	12	6.0	3.5	16	1	--	.030
JAN, 1986									
21...	1130	12	18	5.0	2.0	28	2	.04	.040
FEB									
18...	1145	4	12	3.0	3.5	33	<1	.08	.030
MAR									
18...	1105	740	16	6.0	2.5	24	10	.07	.070
APR									
15...	1130	20	12	<3.0	2.0	36	1	--	.010
MAY									
20...	1115	48	8	6.0	2.5	30	<1	.13	.010
JUN									
24...	1140	64	24	8.0	2.0	30	2	.12	<.010
JUL									
15...	1130	410	24	5.0	1.0	77	2	--	.010
SEP									
02...	1105	750	26	3.0	2.0	39	2	.06	.230
16...	1045	1000	26	<1.0	2.5	25	<1	.04	.010

RED RIVER BASIN

07360200 LITTLE MISSOURI RIVER NEAR LANGLEY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
08...	1130	.020	.040	<1	<1	<15	<1	--	10
29...	1045	.050	.030	<1	1	<15	<1	--	--
NOV									
26...	1115	.040	.010	<1	<1	<15	1	--	--
JAN, 1986									
21...	1130	<.010	<.010	<1	--	<15	1	<.50	30
FEB									
18...	1145	.010	.010	<1	2	--	18	--	--
MAR									
18...	1105	.040	.030	<1	1	<15	2	--	--
APR									
15...	1130	.010	.020	<1	1	<15	<1	--	--
MAY									
20...	1115	.010	.010	<1	<1	<15	<1	--	--
JUN									
24...	1140	.020	.030	<1	1	<15	2	--	<10
JUL									
15...	1130	.010	<.010	<1	1	<15	8	--	--
SEP									
02...	1105	<.010	<.010	1	<1	<15	<1	--	10
16...	1045	.060	.020	<1	<1	<15	<1	--	<10

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 from 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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985											
08...	1210	9827	9827	--	7.26	19.0	2.8	9.4	--	3.5	16
29...	1050	9827	9827	110	7.06	18.0	5.0	6.7	12	1.4	160
NOV											
26 ..	1215	9827	9827	62	6.58	17.0	5.0	7.6	13	2.5	270
JAN, 1986											
21...	1215	9827	9827	48	6.92	13.0	2.0	11.3	6	1.1	<4
FEB											
18...	1250	9827	9827	41	6.85	14.0	4.0	11.2	7	1.1	12
APR											
15...	1130	9827	9827	34	6.69	18.0	6.0	10.2	2	1.4	20
MAY											
20...	1215	9827	9827	31	6.68	18.0	10	9.5	7	1.0	110
JUN											
24...	1245	9827	9827	52	7.02	29.0	4.0	8.6	5	2.1	54
JUL											
15...	1225	9827	9827	46	6.80	30.0	4.0	7.1	9	1.1	11000
SEP											
02...	1220	9827	9827	--	6.72	22.0	5.5	6.8	13	1.7	>600
16...	1145	9827	9827	49	7.17	25.0	3.0	6.7	5	1.2	100

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)
OCT, 1985											
08...	1210	32	7.0	9.0	61	5	.08	.030	--	--	--
29...	1050	38	6.0	9.5	74	2	.08	.050	.35	.40	.48
NOV											
26...	1215	22	15	10	35	<1	--	.040	.26	.30	--
JAN, 1986											
21...	1215	12	6.0	6.5	30	2	.33	.030	--	<.10	--
FEB											
18...	1250	16	7.0	6.0	36	<1	.28	.030	--	<.10	--
APR											
15...	1130	12	<3.0	3.0	33	2	--	<.010	--	--	--
MAY											
20...	1215	12	7.0	8.0	51	1	.17	.030	.27	.30	.47
JUN											
24...	1245	19	8.0	3.5	24	3	.42	<.010	--	<.10	--
JUL											
15...	1225	22	5.0	3.0	71	5	--	.020	.48	.50	--
SEP											
02...	1220	16	7.0	4.5	35	5	.30	<.010	--	.50	.80
16...	1145	20	<1.0	5.0	25	<1	.05	.020	--	<.10	--

RED RIVER BASIN

07361022 PRAIRIE CREEK AT MURPHREESBORO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985											
08...	1210	.030	.030	7	<1	<1	<15	1	--	--	70
29...	1050	.050	.020	--	<1	1	<15	2	--	--	--
NOV											
26...	1215	.040	<.010	--	<1	1	<15	1	--	--	--
JAN, 1986											
21...	1215	<.010	<.010	1	<1	--	<15	1	<.50	<1	50
FEB											
18...	1250	.030	.010	--	<1	<1	--	2	--	--	--
APR											
15...	1130	.010	.020	2	<1	1	<15	1	--	<1	--
MAY											
20...	1215	.020	.010	--	2	1	<15	<1	--	--	--
JUN											
24...	1245	.080	.060	--	<1	1	<15	2	--	--	60
JUL											
15...	1225	.100	.080	1	<1	<1	<15	9	--	<1	--
SEP											
02...	1220	.090	.090	--	<1	<1	<15	4	--	--	100
16...	1145	.110	.060	--	<1	<1	<15	<1	--	--	20

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985											
08...	1230	9827	9827	--	7.72	19.0	3.8	9.1	--	3.8	4
29...	1210	9827	9827	148	7.56	18.0	4.0	7.3	14	3.9	8
NOV											
26 ..	1235	9827	9827	96	7.02	17.0	6.0	8.0	16	2.3	48
JAN, 1986											
21...	1235	9827	9827	73	7.09	13.0	3.0	11.5	7	2.5	12
FEB											
18...	1310	9827	9827	55	7.04	14.0	5.0	11.2	11	2.2	16
APR											
15...	1250	9827	9827	48	6.85	18.0	8.0	9.4	6	1.3	24
MAY											
20...	1235	9827	9827	45	6.80	18.0	15	9.2	7	1.6	200
JUN											
24...	1330	9827	9827	72	7.17	29.0	5.5	8.7	4	3.3	140
JUL											
15...	1240	9827	9827	67	7.05	30.0	6.0	7.1	11	2.1	140
SEP											
02...	1235	9827	9827	--	7.41	22.0	7.0	7.9	13	2.7	270
16...	1205	9827	9827	99	7.49	25.0	5.0	7.9	10	3.2	88

DATE	TIME	HARD- NESS (MG/L AS CAC03) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT, 1985										
08...	1230	38	6.0	10	84	6	.01	.030	--	--
29...	1210	38	5.0	11	83	4	.01	<.010	--	.40
NOV										
26...	1235	30	16	10	48	2	--	.050	.55	.60
JAN, 1986										
21...	1235	20	7.0	7.5	47	2	.43	.030	.27	.30
FEB										
18...	1310	16	7.0	8.0	45	4	.33	.030	.07	.10
APR										
15...	1250	30	3.0	3.5	40	4	--	<.010	--	<.10
MAY										
20...	1235	22	8.0	3.5	63	2	.31	.020	.38	.40
JUN										
24...	1330	28	9.0	4.3	35	5	.34	<.010	--	<.10
JUL										
15...	1240	26	5.0	3.0	86	8	--	.010	.79	.80
SEP										
02...	1235	40	7.0	4.0	64	8	.26	.030	.17	.20
16...	1205	40	2.0	6.0	55	6	.47	.010	.79	.80

RED RIVER BASIN

07361025 PRAIRIE CREEK NEAR MURPHREESBORO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985										
08...	1230	--	.080	.050	<1	<1	<15	1	--	80
29...	1210	.41	.090	.060	<1	1	<15	2	--	--
NOV										
26...	1235	--	.420	.370	<1	<1	<15	1	--	--
JAN, 1986										
21...	1235	.73	.170	.170	<1	--	<15	<1	<.50	80
FEB										
18...	1310	.43	.120	.090	<1	<1	--	3	--	--
APR										
15...	1250	--	.090	.080	<1	1	<15	1	--	--
MAY										
20...	1235	.71	.100	.080	<1	<1	<15	<1	--	--
JUN										
24...	1330	--	.080	.060	<1	1	<15	1	--	70
JUL										
15...	1240	--	.060	.030	1	<1	<15	5	--	--
SEP										
02...	1235	.46	.070	.060	<1	<1	<15	2	--	110
16...	1205	1.3	.250	.200	<1	<1	<15	<1	--	250

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 mi².

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.--32 years, 275 ft³/s, 20.98 in/yr, 199,200 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 35,500 ft³/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 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 11	1330	7,300	19.41	Apr. 5	1130	*16,600	*24.01

No flow Oct. 9-15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.34	3.3	323	44	17	37	58	304	44	261	7.0	3.7
2	.34	5.6	297	39	16	34	55	419	332	1190	9.9	4.2
3	.32	5.2	201	36	80	33	53	264	401	592	10	5.0
4	.26	4.8	147	34	1460	33	2010	210	498	274	14	5.8
5	.18	5.3	109	32	766	30	11600	176	317	196	14	6.3
6	.13	6.1	82	29	859	28	2170	149	749	135	14	9.9
7	.10	6.9	68	29	637	26	906	123	386	92	15	13
8	.05	6.2	59	27	443	25	1050	99	271	67	39	28
9	.02	13	52	26	347	24	832	84	458	51	28	27
10	.00	16	74	24	296	29	522	74	524	42	13	19
11	.00	51	5180	24	257	34	390	69	453	32	8.6	15
12	.00	47	1800	23	220	318	1880	62	332	25	6.1	11
13	.00	14	875	22	194	271	942	52	232	19	5.0	9.7
14	.00	8.1	532	21	185	249	551	43	183	15	4.7	8.6
15	.05	5.7	401	20	165	221	366	59	140	13	4.0	7.6
16	.11	9.1	318	20	142	202	277	110	107	10	51	8.8
17	.13	113	261	24	133	176	234	514	96	8.2	67	5.7
18	.18	278	223	27	117	162	204	1110	77	6.8	32	8.9
19	.68	123	189	34	100	428	267	771	59	5.6	19	13
20	.77	70	161	37	87	269	1810	392	47	4.5	14	11
21	.75	51	135	33	76	217	743	267	38	3.8	10	9.0
22	.71	36	116	29	67	189	432	216	32	4.9	7.2	8.4
23	.62	29	104	25	61	166	312	178	27	13	5.4	9.6
24	.58	24	90	22	57	146	251	158	23	10	4.7	11
25	.51	22	75	22	53	125	209	175	87	6.1	4.4	14
26	.39	22	73	20	49	107	170	142	187	4.5	4.1	16
27	.34	296	66	19	46	95	201	111	85	3.6	3.7	14
28	.43	466	58	18	42	83	644	91	1290	3.0	3.8	16
29	.53	232	54	17	---	74	293	79	1020	2.6	5.2	16
30	1.4	157	50	16	---	68	230	61	383	3.0	5.9	17
31	3.1	---	48	17	---	63	---	50	---	4.9	3.4	---
TOTAL	13.02	2126.3	12221	810	6972	3962	29662	6612	8878	3098.5	433.1	352.2
MEAN	.42	70.9	394	26.1	249	128	989	213	296	100	14.0	11.7
MAX	3.1	466	5180	44	1460	428	11600	1110	1290	1190	67	28
MIN	.00	3.3	48	16	16	24	53	43	23	2.6	3.4	3.7
CFSM	.00	.40	2.21	.15	1.40	.72	5.56	1.20	1.66	.56	.08	.07
IN.	.00	.44	2.55	.17	1.46	.83	6.20	1.38	1.86	.65	.09	.07
AC-FT	26	4220	24240	1610	13830	7860	58830	13110	17610	6150	859	699

CAL YR 1985	TOTAL	86187.63	MEAN	236	MAX	6360	MIN	.00	CFSM	1.33	IN.	18.01	AC-FT	171000
WTR YR 1986	TOTAL	75140.12	MEAN	206	MAX	11600	MIN	.00	CFSM	1.16	IN.	15.70	AC-FT	149000

RED RIVER BASIN

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985									
16...	0500	9827	9827	7.17	19.0	10	6.3	1.0	60
NOV									
06...	0530	9827	9827	7.40	12.0	15	9.6	.8	8
DEC									
11...	0530	9827	9827	7.81	15.0	750	8.8	4.5	2400
JAN, 1986									
22...	0530	9827	9827	7.28	8.0	9.0	10.7	.8	16
FEB									
19...	0530	9827	9827	7.36	11.0	15	10.0	.4	20
MAR									
19...	0545	9827	9827	7.59	14.0	15	8.8	.9	32
APR									
16...	0530	9827	9827	7.08	13.0	15	9.7	.7	48
MAY									
21...	0500	9827	9827	7.20	18.0	30	8.3	.9	140
JUN									
18...	0530	9827	9827	--	22.0	10	7.7	.3	70
JUL									
30...	0545	9827	9827	--	25.0	15	7.4	.4	64
AUG									
19...	0530	9827	9827	7.26	33.0	10	7.5	.5	180
SEP									
16...	0545	9827	9827	7.31	24.0	8.2	7.2	.4	16
DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985									
16...	0500	28	8.0	4.0	--	5	.04	.040	.050
NOV									
06...	0530	28	9.0	5.0	47	4	.05	.020	.060
DEC									
11...	0530	84	10	3.0	106	898	.22	.170	.580
JAN, 1986									
22...	0530	30	11	4.5	51	14	.28	.070	.020
FEB									
19...	0530	42	14	6.5	73	32	.24	.080	.040
MAR									
19...	0545	48	20	6.5	69	38	.08	.100	.060
APR									
16...	0530	24	12	3.5	57	20	.23	.070	.040
MAY									
21...	0500	30	13	4.0	87	22	.18	.090	.100
JUN									
18...	0530	26	8.0	4.3	62	9	.22	.020	--
JUL									
30...	0545	16	5.0	3.0	136	6	.14	.260	.040
AUG									
19...	0530	--	5.0	2.5	--	13	.17	.030	.050
SEP									
16...	0545	24	--	2.5	31	6	.08	.030	.080

07361600 LITTLE MISSOURI RIVER NEAR BOUGHTON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985								
16...	0500	.050	1	1	39	21	--	280
NOV								
06...	0530	.080	<1	1	56	42	--	160
DEC								
11...	0530	.080	1	13	190	--	--	510
JAN, 1986								
22...	0530	.010	<1	1	<15	34	<.50	40
FEB								
19...	0530	.020	<1	4	<15	24	--	--
MAR								
19...	0545	.040	<1	2	<15	18	--	<10
APR								
16...	0530	.030	<1	3	<15	6	--	20
MAY								
21...	0500	--	<1	2	39	62	--	100
JUN								
18...	0530	.030	<1	2	<15	2	--	30
JUL								
30...	0545	.010	<1	1	<15	--	--	<10
AUG								
19...	0530	.060	<1	<1	<15	<1	--	<10
SEP								
16...	0545	.050	--	2	<15	12	--	<10

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 Ecure Fabre Bayou, 6.2 mi upstream from Two Bayou Creek, and at mile 354.1.

DRAINAGE AREA.--5,357 mi².

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: Oct. 23 to Dec. 2. Water-discharge records good except for estimated daily discharges, which are fair. 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.--58 years, 7,547 ft³/s, 5,468,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 243,000 ft³/s Apr. 3, 1945, gage height, 44.82 ft; minimum, 125 ft³/s Sept. 16, 24-26, 1943.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 48,100 ft³/s Dec. 15; maximum gage height, 32.28 ft Dec. 16; minimum daily discharge, 735 ft³/s Oct. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	757	6600	11000	4890	1630	4020	1260	14700	2900	18100	3830	1190
2	735	4900	10000	4960	1850	4000	1300	13000	2950	16700	3160	995
3	763	4000	9020	5070	1440	4090	1260	13900	2610	16300	2730	1010
4	818	3300	9750	4960	4040	2940	1720	11600	7190	16300	2630	1360
5	805	2800	8620	5730	12900	1890	5390	9150	10700	13600	1630	2270
6	764	3900	7680	5700	15600	1310	17300	6420	10800	9070	1270	2520
7	737	3500	7170	5590	18500	1530	26400	5680	12500	6280	1470	2790
8	837	3000	6830	5190	19300	1590	32400	5500	13900	4420	1540	1360
9	789	3000	5890	5400	17300	1570	36700	5880	12700	4180	2030	1200
10	881	2700	5910	5110	13500	1330	37600	4690	12600	4960	2020	1030
11	815	3200	8560	4820	10600	1260	31800	4160	16300	4720	1990	1440
12	927	5500	20000	3490	9550	1640	26800	2420	19000	3860	2490	1990
13	1200	6800	29700	2980	9240	3090	25100	2000	19600	3430	1880	2850
14	1280	5000	39900	2230	8780	5510	25600	3230	17300	3610	1700	2310
15	1130	2700	47000	2480	7460	4770	25900	2630	14200	1950	1560	1380
16	1650	2500	44300	2270	6730	4430	24400	2010	10300	2980	1560	1080
17	1380	2100	32700	2380	6050	4610	20900	1980	9280	3410	1780	2020
18	1910	3400	22600	1970	5590	4170	17800	2580	9420	3420	3150	2090
19	1990	8200	16600	1950	5100	3380	15800	6650	8430	3040	2720	2230
20	2910	10000	12800	2280	4750	4050	17500	7810	6140	2970	3770	2620
21	2580	8400	9960	1900	4620	4310	23300	6840	5530	2230	4200	2540
22	2720	6800	7900	2520	4530	3260	29100	5060	5610	2250	3650	1450
23	3000	4500	6760	2810	4430	2500	30500	4160	5580	2290	3660	1260
24	2600	3600	6050	3110	4170	2300	28000	4020	5290	2410	3490	1920
25	2800	3700	5800	2560	3310	1830	21600	4210	5130	1780	2930	2180
26	3100	4200	5500	1890	3660	1780	15200	4640	4730	1990	3150	2400
27	2200	5300	4880	1600	4330	1830	11400	2710	4680	2110	4060	2480
28	1800	7300	5430	1530	4260	1470	12100	2360	5090	2190	3710	1830
29	1900	10000	6780	2000	---	1410	16300	2540	10600	1450	3520	1630
30	2100	12000	5930	1830	---	1390	16700	2990	15800	2750	3380	1410
31	3900	---	5570	1730	---	1320	---	2210	---	3790	2490	--
TOTAL	51778	152900	426590	102930	213220	84580	597130	167730	286860	168540	83150	54835
MEAN	1670	5097	13760	3320	7615	2728	19900	5411	9562	5437	2682	1828
MAX	3900	12000	47000	5730	19300	5510	37600	14700	19600	18100	4200	2850
MIN	735	2100	4880	1530	1440	1260	1260	1980	2610	1450	1270	995
AC-FT	102700	303300	846100	204200	422900	167800	1184000	332700	569000	334300	164900	108800
CAL YR 1985	TOTAL	3233644	MEAN	8859	MAX	68200	MIN	703	AC-FT	6414000		
WTR YR 1986	TOTAL	2390243	MEAN	6549	MAX	47000	MIN	735	AC-FT	4741000		

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- DITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
NOV, 1985											
05...	1430	80513	80010	3590	105	6.60	12.5	10	9.2	86	762
JAN, 1986											
08...	1425	80513	80020	6140	61	6.50	5.0	6.1	16.8	129	778
APR											
16...	1500	80513	80020	16400	69	7.10	17.5	--	8.3	87	763
JUL											
23...	1330	80513	80020	2370	60	7.60	29.0	22	6.3	82	766
DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	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)
NOV, 1985											
05...	1430	12	34	26	15	7.8	1.6	13	49	1	2.3
JAN, 1986											
08...	1425	20	22	20	0	5.7	1.4	3.0	23	.3	1.2
APR											
16...	1500	7	280	--	--	--	--	--	--	--	--
JUL											
23...	1330	K4	88	19	2	5.2	1.4	3.1	25	.3	1.2
DATE	TIME	ALKA- LITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)
NOV, 1985											
05...	1430	13	10	13	<.10	6.3	65	65	.09	.74	.010
JAN, 1986											
08...	1425	23	7.5	3.8	<.10	6.4	34	44	.05	.15	.010
APR											
16...	1500	30	--	--	--	--	--	--	--	.14	.010
JUL											
23...	1330	19	6.4	3.8	<.10	4.3	33	36	.04	--	<.010

RED RIVER BASIN

07362000 OUACHITA RIVER AT CAMDEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)
NOV, 1985											
05...	1430	.75	.210	.170	.19	.40	.050	.040	.040	40	<1
JAN, 1986											
08...	1425	.16	.060	.060	.24	.30	.030	.010	.010	40	<1
APR											
16...	1500	.15	.050	.060	.45	.50	.060	.020	.010	--	--
JUL											
23...	1330	<.10	.040	.010	.36	.40	.030	.020	.010	--	--
DATE	TIME	BARIUM DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	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)
NOV, 1985											
05...	1430	36	<.5	<1	1	10	2	170	3	<4	63
JAN, 1986											
08...	1425	20	<.5	<1	<1	<3	1	82	<1	<4	43
DATE	TIME	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	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- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV, 1985											
05...	1430	.1	40	3	<1	<1	60	10	16	155	80
JAN, 1986											
08...	1425	<.1	<10	2	<1	<1	38	16	11	182	93
APR											
16...	1500	--	--	--	--	--	--	--	35	1550	89
JUL											
23...	1330	--	--	--	--	--	--	--	32	205	66

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARD-NESS (MG/L AS CACO3) (00900)
OCT, 1985										
22...	1135	9827	9827	6.77	22.0	--	6.8	1.1	54	30
NOV										
19...	1036	9827	9827	6.96	19.0	40	--	1.2	160	26
DEC										
17...	1036	9827	9827	6.83	2.0	30	9.9	1.7	120	22
JAN, 1986										
21...	1120	9827	9827	7.05	12.0	7.0	10.9	1.1	4	26
FEB										
18...	1135	9827	9827	7.08	12.0	120	9.8	1.0	12	26
MAR										
18...	1123	9827	9827	6.91	17.0	--	8.3	1.5	64	28
APR										
15...	1100	9827	9827	6.76	19.0	85	7.4	1.9	110	28
MAY										
27...	1110	9827	9827	7.14	23.0	35	8.5	1.6	190	24
JUN										
24...	1115	9827	9827	7.02	28.0	15	8.0	1.0	70	22
JUL										
15...	1050	9827	9827	7.05	29.0	--	7.2	1.2	88	28
AUG										
12...	1100	9827	9827	7.61	--	20	--	1.7	930	24
SEP										
16...	1131	9827	9827	7.40	27.0	8.5	7.3	1.7	10	20

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
OCT, 1985									
22...	1135	--	18	--	32	.63	.050	.090	.030
NOV									
19...	1036	13	14	--	50	.26	<.010	.120	.050
DEC									
17...	1036	7.0	7.5	66	25	.13	<.010	.120	.060
JAN, 1986									
21...	1120	10	7.5	52	12	.10	.040	.090	.010
FEB									
18...	1135	10	8.0	64	382	.09	.010	.320	.020
MAR									
18...	1123	12	8.5	59	34	.10	.100	.080	.050
APR									
15...	1100	6.0	5.0	64	230	--	.070	.190	.050
MAY									
27...	1110	--	11	64	51	.21	.720	--	.040
JUN									
24...	1115	--	3.5	--	22	.12	.020	.070	.020
JUL									
15...	1050	--	4.2	100	41	.12	.110	.070	.040
AUG									
12...	1100	12	4.5	--	29	--	.080	.050	.030
SEP									
16...	1131	--	4.5	57	12	.08	.020	.090	.040

RED RIVER BASIN

07362065 OUACHITA RIVER BELOW CAMDEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
22...	1135	3	--	1	--	--	--	<1	70
NOV									
19...	1036	--	1	2	--	--	--	--	50
DEC									
17...	1036	--	<1	1	30	--	--	--	20
JAN, 1986									
21...	1120	1	1	4	<15	<1	<.50	<1	10
FEB									
18...	1135	--	<1	3	<15	3	--	--	20
MAR									
18...	1123	--	<1	2	<15	2	--	--	--
APR									
15...	1100	6	--	3	<15	5	--	<1	<10
MAY									
27...	1110	--	<1	2	<15	2	--	--	<10
JUN									
24...	1115	--	<1	1	<15	2	--	--	<10
JUL									
15...	1050	<1	<1	1	<15	1	--	<1	10
AUG									
12...	1100	--	<1	<1	<15	1	--	--	10
SEP									
16...	1131	--	<1	<1	<15	1	--	--	<10

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 mi².

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: Sept. 28-30. Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--25 years, 390 ft³/s, 13.76 in/yr, 282,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,700 ft³/s June 8, 1974, gage height, 24.97 ft, from rating curve extended above 31,000 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 13	1900	5,600	15.67	June 11	0700	3,220	13.84
Feb. 6	2100	2,800	13.41	June 28	2200	*34,200	*23.28

Minimum discharge, 10 ft³/s Oct. 10, 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	18	1490	640	169	107	124	108	399	40	4200	20	18		
2	21	1110	1160	166	107	117	103	338	38	2100	27	15		
3	21	577	1340	160	115	118	99	513	56	1580	42	15		
4	16	251	1120	154	715	115	101	636	323	1140	46	18		
5	14	178	741	149	1900	114	113	645	616	670	36	40		
6	13	146	391	146	2600	109	159	280	478	295	28	100		
7	11	128	295	149	2660	105	227	148	277	181	22	128		
8	11	115	249	155	2290	98	259	120	378	142	20	120		
9	11	105	225	160	1690	96	244	105	879	418	20	81		
10	11	97	211	156	1050	94	246	93	2330	101	20	41		
11	11	94	892	148	618	92	196	86	3110	87	20	26		
12	11	92	2990	144	488	404	269	77	2420	76	20	18		
13	12	88	5020	148	410	724	620	71	1590	66	20	16		
14	13	87	4550	137	350	767	741	66	732	56	20	14		
15	16	87	3040	133	314	811	726	57	239	52	20	13		
16	19	87	2310	128	287	1050	549	51	147	45	17	14		
17	20	147	1740	132	266	1160	241	47	118	41	18	22		
18	25	373	1090	165	258	1050	156	57	101	37	18	42		
19	170	426	549	184	239	963	142	91	88	33	17	33		
20	639	322	360	173	214	877	551	131	75	31	16	28		
21	634	256	302	157	193	621	882	96	60	29	16	16		
22	349	266	273	146	175	335	827	71	51	39	15	60		
23	164	220	255	135	160	230	525	56	45	48	14	51		
24	107	401	242	127	152	198	238	47	40	66	12	39		
25	86	961	225	122	143	178	171	51	36	53	12	34		
26	72	1410	203	122	138	162	136	66	33	41	12	27		
27	66	1450	187	124	134	150	118	79	516	33	13	23		
28	89	967	181	116	129	141	627	69	23300	28	16	20		
29	232	520	179	111	---	135	650	63	28100	25	16	20		
30	512	346	176	110	---	126	578	53	12700	24	16	15		
31	1200	---	174	108	---	119	---	45	---	18	20	---		
TOTAL	4594	12797	31310	4434	17902	11383	10602	4707	78916	11455	629	1107		
MEAN	148	427	1010	143	639	367	353	152	2631	370	20.3	36.9		
MAX	1200	1490	5020	184	2660	1160	882	645	28100	4200	46	128		
MIN	11	87	174	108	107	92	99	45	33	18	12	13		
CFSM	.38	1.11	2.62	.37	1.66	.95	.92	.39	6.83	.96	.05	.10		
IN.	.44	1.24	3.03	.43	1.73	1.10	1.02	.45	7.63	1.11	.06	.11		
AC-FT	9110	25380	62100	8790	35510	22580	21030	9340	156500	22720	1250	2200		
CAL YR 1985	TOTAL	149146.3	MEAN	409	MAX	5020	MIN	3.4	CFSM	1.06	IN.	14.41	AC-FT	295800
WTR YR 1986	TOTAL	189836	MEAN	520	MAX	28100	MIN	11	CFSM	1.35	IN.	18.34	AC-FT	376500

RED RIVER BASIN

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985											
22...	1056	9827	9827	368	569	5.90	21.0	--	5.5	45	1.9
NOV											
19...	1058	9827	9827	460	588	6.35	19.0	20	--	44	2.5
DEC											
17...	1011	9827	9827	1880	193	5.76	5.0	15	11.9	36	1.2
JAN, 1986											
21...	1058	9827	9827	170	856	6.14	12.0	8.0	9.9	16	--
FEB											
18...	1159	9827	9827	279	670	5.87	13.0	10	9.1	25	.6
MAR											
18...	1051	9827	9827	1130	--	5.95	15.0	--	7.2	--	1.6
APR											
15...	1035	9827	9827	784	413	6.04	19.0	15	7.6	35	2.6
MAY											
27...	1040	9827	9827	85	679	6.58	24.0	15	9.1	38	3.8
JUN											
24...	1050	9827	9827	43	731	6.09	28.0	25	5.8	40	4.0
JUL											
15...	1020	9827	9827	56	538	6.10	28.0	--	8.0	36	2.9
AUG											
12...	1030	9827	9827	17	688	6.19	27.0	20	--	35	2.6
SEP											
16...	1208	9827	9827	15	1430	6.27	25.0	8.0	9.5	29	2.2
DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT, 1985											
22...	1056	150	66	--	180	--	35	.08	.050	.95	1.0
NOV											
19...	1058	450	74	9.0	160	--	32	.03	.020	.78	.80
DEC											
17...	1011	48	42	9.0	53	137	8	.02	<.010	--	.70
JAN, 1986											
21...	1058	16	96	7.0	280	475	14	.06	.070	3.6	3.7
FEB											
18...	1159	<4	80	12	230	401	22	.02	.040	.06	.10
MAR											
18...	1051	190	62	10	190	273	36	.03	.060	.64	.70
APR											
15...	1035	96	50	5.0	120	269	34	--	.070	--	--
MAY											
27...	1040	32	74	--	210	390	14	.11	.050	.65	.70
JUN											
24...	1050	4	84	--	200	--	18	.03	.060	.74	.80
JUL											
15...	1020	44	70	--	150	388	6	.04	.020	1.2	1.2
AUG											
12...	1030	16	76	10	210	--	15	--	.050	2.7	2.7
SEP											
16...	1208	4	150	--	420	811	9	.07	.010	.29	.30

07362110 SMACKOVER CREEK NORTH OF SMACKOVER, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985										
22...	1056	1.1	.080	.020	--	1	--	--	--	120
NOV										
19...	1058	.83	.100	.030	1	1	--	--	--	70
DEC										
17...	1011	.72	.060	.040	<1	2	31	--	--	40
JAN, 1986										
21...	1058	3.8	.030	.010	1	7	<15	1	<.50	20
FEB										
18...	1159	.12	.050	.010	<1	5	<15	4	--	10
MAR										
18...	1051	.73	.080	.040	<1	2	<15	2	--	--
APR										
15...	1035	--	.080	.040	--	2	<15	3	--	20
MAY										
27...	1040	.81	--	.040	<1	1	<15	2	--	<10
JUN										
24...	1050	.83	.140	.020	<1	2	<15	<1	--	10
JUL										
15...	1020	1.2	.060	.020	<1	2	<15	1	--	20
AUG										
12...	1030	--	.040	.020	<1	<1	<15	1	--	10
SEP										
16...	1208	.37	.070	.020	<1	1	19	17	--	40

RED RIVER BASIN

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
22...	0954	9827	9827	380	6.21	21.0	--	5.3	2.3
NOV									
19...	0923	9827	9827	210	6.52	19.0	20	--	3.3
DEC									
17...	0911	9827	9827	--	6.04	6.0	15	11.9	1.7
JAN, 1986									
21...	0938	9827	9827	.00	6.75	9.0	6.0	9.7	1.8
FEB									
18...	0947	9827	9827	450	6.30	11.0	10	9.0	.8
MAR									
04...	0913	9827	9827	--	7.22	11.0	9.0	6.6	1.1
18...	0945	9827	9827	1150	6.16	15.0	--	7.3	2.0
APR									
15...	0920	9827	9827	--	6.23	17.0	10	6.3	1.6
MAY									
27...	0930	9827	9827	.00	6.70	21.0	30	6.0	1.4
JUN									
24...	0940	9827	9827	.00	6.58	27.0	30	4.0	1.7
JUL									
15...	0900	9827	9827	.00	6.65	27.0	--	4.0	.7
AUG									
12...	0909	9827	9827	.00	7.54	29.0	10	--	3.5
DATE	TIME	COLIFORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARDNESS (MG/L AS CaCO3) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
22...	0954	150	24	--	6.5	--	18	.02	.050
NOV									
19...	0923	390	26	12	10	--	10	.03	<.010
DEC									
17...	0911	110	14	9.0	5.5	69	6	.01	<.010
JAN, 1986									
21...	0938	44	24	11	11	77	8	.06	.030
FEB									
18...	0947	24	18	13	8.0	78	13	.01	.010
MAR									
04...	0913	210	180	--	--	1160	17	.21	--
18...	0945	110	18	12	9.5	64	51	.03	.060
APR									
15...	0920	110	18	6.0	5.0	75	14	--	.050
MAY									
27...	0930	48	16	--	7.5	86	22	.24	.060
JUN									
24...	0940	110	26	--	6.5	--	18	.28	.060
JUL									
15...	0900	100	28	--	4.5	139	16	.20	.100
AUG									
12...	0909	12	40	10	6.0	--	9	--	.030

07362550 MORO CREEK NEAR BANKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
22...	0954	.090	.030	--	1	--	--	--	100
NOV									
19...	0923	.100	.050	<1	1	--	--	--	50
DEC									
17...	0911	.070	.040	<1	1	21	--	--	20
JAN, 1986									
21...	0938	.070	.020	1	5	<15	<1	<.50	<10
FEB									
18...	0947	.060	.020	<1	3	<15	2	--	10
MAR									
04...	0913	.110	.050	<1	3	<15	3	--	30
18...	0945	.040	.040	1	2	<15	2	--	--
APR									
15...	0920	.070	.040	--	2	<15	4	--	<10
MAY									
27...	0930	--	.080	<1	2	<15	4	--	10
JUN									
24...	0940	.170	.100	<1	2	<15	2	--	<10
JUL									
15...	0900	.130	.090	<1	2	<15	3	--	10
AUG									
12...	0909	.070	.050	<1	<1	<15	2	--	10

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)
OCT, 1985									
15...	0947	9827	9827	24	135	7.30	21.0	1.0	7.0
NOV									
05...	1330	9827	9827	104	124	7.63	15.0	10	9.5
DEC									
03...	0945	9827	9827	1050	100	7.48	2.0	10	10.9
JAN, 1986									
21...	0945	9827	9827	68	148	7.79	9.0	2.0	11.3
FEB									
18...	0930	9827	9827	147	129	7.73	10.0	3.0	10.8
MAR									
18...	0927	9827	9827	666	105	7.53	15.0	8.0	9.3
APR									
15...	0923	9827	9827	850	91	7.42	16.0	7.0	8.5
MAY									
06...	0920	9827	9827	195	96	7.45	20.0	6.0	8.3
JUN									
17...	0925	9827	9827	288	96	--	26.0	6.0	7.2
JUL									
15...	0930	9827	9827	31	164	7.70	29.0	4.5	7.4
AUG									
19...	0925	9827	9827	136	122	7.58	27.0	5.0	7.1
SEP									
16...	0940	9827	9827	33	123	7.69	24.0	6.0	7.6
30...	1315	9827	9827	7.0	--	7.60	27.0	5.0	7.9
DATE	TIME	OXYGEN DEMAND, CHEM-ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./100 ML) (31616)	HARD-NESS (MG/L AS CAC03) (00900)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
OCT, 1985									
15...	0947	8	1.1	310	54	8.0	4.0	98	13
NOV									
05...	1330	11	--	8	52	11	4.5	70	3
DEC									
03...	0945	11	1.4	64	50	12	5.0	132	8
JAN, 1986									
21...	0945	6	.9	8	64	9.0	3.0	72	2
FEB									
18...	0930	7	.7	20	54	10	5.0	74	4
MAR									
18...	0927	7	.6	48	46	10	3.0	49	7
APR									
15...	0923	4	.5	88	44	--	3.5	64	8
MAY									
06...	0920	7	2.9	48	40	8.0	3.0	68	8
JUN									
17...	0925	3	.5	30	52	7.0	2.3	73	8
JUL									
15...	0930	5	1.8	>600	66	7.0	2.5	145	7
AUG									
19...	0925	8	.9	8	54	<1.0	2.5	--	8
SEP									
16...	0940	3	.9	540	58	7.0	3.5	64	6
30...	1315	--	1.8	350	62	5.0	3.0	92	5

07363002 SALINE RIVER WEST OF BENTON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ARSENIC TOTAL (UG/L AS AS) (01002)
OCT, 1985									
15...	0947	.06	.060	--	--	--	.040	.020	8
NOV									
05...	1330	.12	--	--	.40	.52	.050	.030	--
DEC									
03...	0945	.17	.020	--	<.10	--	.060	.020	--
JAN, 1986									
21...	0945	--	.070	.13	.20	--	.100	<.010	<1
FEB									
18...	0930	.04	.070	--	<.10	--	.010	.010	--
MAR									
18...	0927	.11	.120	.08	.20	.31	.020	.020	--
APR									
15...	0923	.08	.060	--	<.10	--	.020	.020	3
MAY									
06...	0920	.09	.060	.14	.20	.29	<.010	.010	--
JUN									
17...	0925	--	.040	.56	.60	--	--	.020	--
JUL									
15...	0930	.04	.040	.16	.20	.24	.050	.010	--
AUG									
19...	0925	.05	.050	.15	.20	.25	.030	<.010	--
SEP									
16...	0940	.08	.010	.09	.10	.18	.070	.030	--
30...	1315	<.01	.010	.09	.10	--	.030	--	--

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985								
15...	0947	<1	1	<15	1	--	1	--
NOV								
05...	1330	1	<1	<15	<1	--	--	<10
DEC								
03...	0945	<1	1	<15	<1	--	--	--
JAN, 1986								
21...	0945	<1	1	<15	<1	<.50	<1	10
FEB								
18...	0930	<1	6	<15	2	--	--	10
MAR								
18...	0927	<1	<1	<15	1	--	--	10
APR								
15...	0923	<1	<1	<15	2	--	<1	40
MAY								
06...	0920	<1	<1	<15	2	--	--	40
JUN								
17...	0925	<1	1	<15	2	--	--	70
JUL								
15...	0930	<1	<1	<15	1	--	--	10
AUG								
19...	0925	<1	<1	<15	<1	--	--	--
SEP								
16...	0940	<1	<1	<15	<1	--	--	10
30...	1315	<1	2	<15	1	--	<3	--

RED RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985											
15...	1025	9827	9827	29	1030	7.20	21.0	6.0	4.5	9	.9
NOV											
05...	1255	9827	9827	156	146	7.53	15.0	20	9.0	12	--
DEC											
03...	1017	9827	9827	1090	102	7.39	2.0	15	10.7	9	1.2
JAN, 1986											
21...	1015	9827	9827	80	254	7.59	10.0	3.0	11.1	5	.9
FEB											
18...	1000	9827	9827	217	202	7.51	11.0	5.0	10.5	7	.9
MAR											
18...	1000	9827	9827	740	162	7.40	15.0	15	9.1	4	1.1
APR											
15...	0955	9827	9827	867	121	7.40	17.0	15	8.4	6	.7
MAY											
06...	1010	9827	9827	245	126	7.29	20.0	9.0	7.8	7	.8
JUN											
17...	1000	9827	9827	387	110	--	26.0	10	7.0	6	.8
JUL											
15...	1000	9827	9827	36	179	7.35	30.0	4.0	6.2	7	1.9
AUG											
19...	1000	9827	9827	139	145	7.56	28.0	6.0	6.4	8	1.8
SEP											
16...	1015	9827	9827	38	123	7.34	24.0	4.0	6.6	7	1.3
30...	1400	9827	9827	10	--	7.88	27.0	4.0	8.6	--	2.8

DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT, 1985											
15...	1025	16	64	420	12	681	9	.35	.100	--	--
NOV											
05...	1255	48	54	18	4.5	87	10	.18	--	--	.50
DEC											
03...	1017	380	46	12	5.0	90	13	.17	.010	.19	.20
JAN, 1986											
21...	1015	16	62	55	3.5	136	3	--	.090	.01	.10
FEB											
18...	1000	36	58	37	4.5	112	7	.10	.120	--	<.10
MAR											
18...	1000	150	44	24	5.5	75	16	.18	.090	.01	.10
APR											
15...	0955	240	44	--	3.0	76	16	.11	.090	--	<.10
MAY											
06...	1010	480	38	9.0	3.5	64	8	.17	.100	.20	.30
JUN											
17...	1000	300	46	11	2.5	84	16	--	.080	.42	.50
JUL											
15...	1000	36	60	13	3.5	145	7	.41	.070	.23	.30
AUG											
19...	1000	52	72	14	3.5	--	10	.17	.020	--	--
SEP											
16...	1015	24	52	11	4.5	71	5	.49	.020	--	<.10
30...	1400	16	54	10	4.5	95	8	.23	<.010	--	.70

07363054 SALINE RIVER NEAR SHAW, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985										
15...	1025	--	.220	.210	<1	2	<15	14	--	--
NOV										
05...	1255	.68	.110	.080	<1	<1	<15	<1	--	<10
DEC										
03...	1017	.37	.060	.040	<1	1	<15	1	--	--
JAN, 1986										
21...	1015	--	.030	.020	<1	<1	<15	<1	<.50	<10
FEB										
18...	1000	--	.060	.050	<1	<1	<15	2	--	10
MAR										
18...	1000	.28	.070	.030	<1	<1	<15	1	--	<10
APR										
15...	0955	--	.060	.040	<1	1	<15	2	--	40
MAY										
06...	1010	.47	.050	.050	<1	<1	<15	2	--	50
JUN										
17...	1000	--	--	.040	<1	2	<15	3	--	30
JUL										
15...	1000	.71	.230	.160	<1	<1	<15	1	--	10
AUG										
19...	1000	--	.120	.030	<1	<1	<15	2	--	<10
SEP										
16...	1015	--	.250	.210	<1	<1	<15	<1	--	<10
30...	1400	.93	.260	--	<1	1	<15	1	--	<10

RED RIVER BASIN

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985									
15...	1120	9827	9827	54	7.49	21.0	8.0	7.0	1.3
NOV									
05...	1125	9827	9827	550	7.44	15.0	25	8.9	--
DEC									
03...	1132	9827	9827	6200	7.00	6.0	20	9.6	2.1
JAN, 1986									
21...	1120	9827	9827	262	7.43	11.0	5.0	11.0	2.3
FEB									
18...	1100	9827	9827	640	7.50	11.0	9.0	10.4	1.0
MAR									
18...	1055	9827	9827	2400	6.94	16.0	15	6.8	1.2
APR									
15...	1050	9827	9827	3300	6.99	18.0	10	6.4	.9
MAY									
06...	1100	9827	9827	840	7.21	21.0	8.0	7.4	.8
JUN									
17...	1100	9827	9827	3200	--	26.0	6.5	5.5	1.3
JUL									
15...	1100	9827	9827	90	7.55	30.0	9.0	6.8	3.1
AUG									
19...	1057	9827	9827	149	7.56	27.0	9.0	7.4	1.5
SEP									
16...	1110	9827	9827	65	7.54	24.0	7.5	6.6	.2
DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDEED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985									
15...	1120	100	58	100	7.5	214	19	.06	.010
NOV									
05...	1125	64	52	27	5.0	91	14	.19	--
DEC									
03...	1132	200	22	12	4.5	84	10	.05	<.010
JAN, 1986									
21...	1120	20	44	13	4.5	73	10	--	.060
FEB									
18...	1100	28	38	28	5.0	86	10	.09	.070
MAR									
18...	1055	120	28	12	5.0	50	8	.06	.100
APR									
15...	1050	36	28	--	4.0	74	14	.09	.080
MAY									
06...	1100	56	38	10	3.5	82	19	.11	.070
JUN									
17...	1100	40	40	10	3.3	81	7	--	.060
JUL									
15...	1100	76	58	19	5.0	154	10	.19	.090
AUG									
19...	1057	150	52	6.0	4.5	--	13	.26	.020
SEP									
16...	1110	72	40	13	4.5	68	8	.03	.020

07363200 SALINE RIVER NEAR SHERIDAN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
15...	1120	.060	.050	<1	1	<15	3	--	--
NOV									
05...	1125	.080	.050	<1	<1	<15	<1	--	<10
DEC									
03...	1132	.100	.060	<1	<1	<15	1	--	--
JAN, 1986									
21...	1120	.040	.030	<1	1	<15	<1	<.50	<10
FEB									
18...	1100	.040	.020	<1	<1	<15	2	--	10
MAR									
18...	1055	.060	.040	<1	<1	<15	2	--	<10
APR									
15...	1050	.060	.040	<1	1	<15	2	--	50
MAY									
06...	1100	.050	.030	<1	<1	<15	4	--	60
JUN									
17...	1100	--	.030	1	1	<15	4	2.00	70
JUL									
15...	1100	.070	.050	<1	<1	<15	2	--	10
AUG									
19...	1057	.060	.030	<1	<1	<15	1	--	<10
SEP									
16...	1110	.090	.040	<1	<1	<15	1	--	<10

RED RIVER BASIN

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985											
15...	0858	9827	9827	6.0	530	7.32	19.0	4.0	4.5	27	2.5
NOV											
05...	1420	9827	9827	6.0	524	7.47	13.0	2.0	8.9	12	--
DEC											
03...	0855	9827	9827	81	286	8.02	6.0	15	10.5	24	2.0
JAN, 1986											
21...	0900	9827	9827	9.0	493	7.16	8.0	3.0	11.0	7	.7
FEB											
18...	0845	9827	9827	59	572	7.17	11.0	7.0	9.8	14	.7
MAR											
18...	0850	9827	9827	88	407	7.61	15.0	10	8.5	17	1.2
APR											
15...	0840	9827	9827	117	578	7.84	16.0	15	8.1	20	1.1
MAY											
06...	0855	9827	9827	29	1110	7.36	20.0	8.0	8.2	11	1.2
JUN											
17...	0845	9827	9827	40	1030	--	26.0	7.0	7.7	8	1.3
JUL											
15...	0840	9827	9827	11	762	7.75	26.0	.50	7.1	8	.7
AUG											
19...	0845	9827	9827	20	397	7.60	25.0	2.0	6.1	13	.7
SEP											
16...	0900	9827	9827	9.0	2350	6.64	23.0	.50	6.9	5	.5
30...	1500	9827	9827	5.0	--	7.67	27.0	2.5	7.6	--	2.4
DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT, 1985											
15...	0858	580	42	170	5.5	364	1	.04	.020	--	--
NOV											
05...	1420	24	72	170	7.5	316	<1	.16	--	--	.30
DEC											
03...	0855	210	48	71	6.5	215	14	.19	.090	.41	.50
JAN, 1986											
21...	0900	10	82	170	6.0	303	7	--	.100	.20	.30
FEB											
18...	0845	16	110	230	8.5	396	14	.15	.220	.08	.30
MAR											
18...	0850	68	60	110	7.5	250	12	.12	.120	.18	.30
APR											
15...	0840	180	74	--	6.0	414	16	.17	.150	.15	.30
MAY											
06...	0855	76	170	570	10	747	14	.37	.260	.24	.50
JUN											
17...	0845	60	150	410	9.0	705	10	--	.200	.40	.60
JUL											
15...	0840	96	140	240	4.0	527	1	.15	.020	.18	.20
AUG											
19...	0845	44	60	90	4.5	--	<1	.04	.010	.09	.10
SEP											
16...	0900	72	260	1100	20	1700	4	.68	--	--	--
30...	1500	16	48	57	4.5	186	<1	.02	.010	--	--

07363270 HURRICANE CREEK NEAR SARDIS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985										
15...	0858	--	.050	.030	<1	1	<15	7	--	--
NOV										
05...	1420	.46	.030	.020	<1	<1	<15	<1	--	<10
DEC										
03...	0855	.69	.070	.040	<1	1	<15	2	--	--
JAN, 1986										
21...	0900	--	.010	<.010	<1	1	<15	<1	<.50	10
FEB										
18...	0845	.45	.030	.010	<1	3	<15	3	--	10
MAR										
18...	0850	.42	.060	.040	<1	1	<15	2	--	10
APR										
15...	0840	.47	.060	.040	<1	2	<15	2	--	60
MAY										
06...	0855	.87	.010	<.010	<1	1	<15	4	--	40
JUN										
17...	0845	--	--	.010	<1	2	<15	4	--	80
JUL										
15...	0840	.35	.010	<.010	<1	1	<15	<1	--	<10
AUG										
19...	0845	.14	<.010	<.010	<1	<1	67	<1	--	10
SEP										
16...	0900	--	.050	.030	<1	<1	<15	<1	--	60
30...	1500	--	.030	--	<1	1	<15	<1	--	<10

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.

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.

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).

AVERAGE DISCHARGE.--25 years, 232 ft³/s, 15.44 in/yr, 168,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,100 ft³/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 ft³/s by contracted-opening measurement.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 14	1300	*2,470	*13.06	No other peak greater than base discharge.			

No flow at times.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	29	154	105	52	79	45	216	22	18	1.1	11
2	.00	20	244	102	52	71	45	151	21	15	1.6	11
3	.44	11	284	95	57	68	47	128	40	9.7	1.2	8.1
4	.85	9.0	160	96	302	63	55	97	250	8.1	.14	6.3
5	1.2	13	123	98	1230	56	403	76	474	7.7	.00	9.0
6	1.3	15	112	102	1630	47	1500	63	914	6.1	.00	9.6
7	1.6	20	113	103	1220	43	1780	54	1160	4.0	.11	8.5
8	1.7	24	110	90	1070	42	1430	48	848	2.5	.44	7.6
9	1.9	27	109	77	531	44	947	43	618	6.0	4.0	6.9
10	2.2	28	109	74	291	43	698	40	623	7.8	10	6.6
11	2.3	29	190	73	238	46	385	40	549	11	8.7	8.0
12	2.3	31	596	71	201	170	232	49	543	12	5.6	9.7
13	1.8	36	1370	68	172	491	243	44	617	13	6.8	11
14	1.7	35	2230	67	162	625	316	32	242	12	7.9	9.8
15	1.9	33	1490	66	160	550	263	27	109	9.8	6.5	8.2
16	2.3	33	419	68	154	505	185	23	76	8.4	7.0	9.1
17	5.9	35	229	65	138	377	127	27	59	7.9	8.2	9.6
18	7.1	39	180	67	132	228	103	134	65	7.2	11	7.1
19	9.6	44	159	68	128	174	91	166	59	8.8	8.7	3.2
20	14	48	145	67	118	176	280	127	43	11	6.7	1.4
21	7.8	41	132	70	108	134	624	80	35	13	5.5	.74
22	1.6	31	127	67	101	105	560	58	29	12	4.5	.28
23	6.3	24	129	65	91	90	248	74	26	14	3.7	.09
24	8.5	19	130	66	86	83	139	79	22	12	3.4	.00
25	7.2	16	122	61	82	77	105	122	21	9.7	2.7	.00
26	7.4	32	119	56	79	71	86	146	19	8.7	1.5	.00
27	8.2	54	106	55	76	65	75	156	17	8.4	8.2	1.2
28	10	92	98	64	77	61	422	73	20	7.3	9.8	11
29	11	190	103	65	---	56	985	45	22	6.3	9.3	10
30	13	231	104	57	---	52	590	36	22	5.5	6.6	7.9
31	18	---	104	53	---	48	---	27	---	2.9	5.6	---
TOTAL	159.09	1289.0	9800	2301	8738	4740	13009	2481	7565	285.8	156.49	192.91
MEAN	5.13	43.0	316	74.2	312	153	434	80.0	252	9.22	5.05	6.43
MAX	18	231	2230	105	1630	625	1780	216	1160	18	11	11
MIN	.00	9.0	98	53	52	42	45	23	17	2.5	.00	.00
CFSM	.03	.21	1.55	.36	1.53	.75	2.13	.39	1.24	.05	.02	.03
IN.	.03	.24	1.79	.42	1.59	.86	2.37	.45	1.38	.05	.03	.04
AC-FT	316	2560	19440	4560	17330	9400	25800	4920	15010	567	310	383
CAL YR 1985	TOTAL	89421.43	MEAN	245	MAX	6820	MIN	.00	CFSM	1.20	IN.	16.31

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 mi².

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT, 1985									
15...	1305	9827	9827	6.86	22.0	15	4.8	--	590
NOV									
05...	1025	9827	9827	6.04	12.0	10	7.6	--	28
DEC									
03...	1315	9827	9827	5.97	7.0	20	10.0	2.0	370
JAN, 1986									
21...	1308	9827	9827	6.27	11.0	7.0	9.7	1.3	10
FEB									
18...	1245	9827	9827	5.85	13.0	15	9.9	.8	12
MAR									
18...	1240	9827	9827	6.08	15.0	15	8.2	1.2	32
APR									
15...	1225	9827	9827	6.14	17.0	15	7.5	1.1	46
MAY									
06...	1240	9827	9827	6.35	20.0	25	7.7	.9	80
JUN									
17...	1245	9827	9827	--	27.0	25	6.0	1.6	30
JUL									
15...	1240	9827	9827	6.80	30.0	35	2.7	1.4	120
AUG									
19...	1230	9827	9827	6.89	26.0	30	3.1	2.8	10
SEP									
16...	1250	9827	9827	7.04	25.0	55	4.0	>4.0	18
DATE	TIME	HARD- NESS (MG/L AS CaCO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	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)
OCT, 1985									
15...	1305	22	7.0	3.5	51	26	.03	.020	--
NOV									
05...	1025	40	45	9.0	91	8	.04	--	--
DEC									
03...	1315	32	37	9.0	120	16	.11	.010	--
JAN, 1986									
21...	1308	44	50	8.5	115	5	--	.040	--
FEB									
18...	1245	44	41	8.0	99	14	.07	.070	--
MAR									
18...	1240	30	28	7.5	76	27	.08	.090	--
APR									
15...	1225	34	--	6.5	107	16	.07	.110	<.10
MAY									
06...	1240	28	25	6.0	102	20	.07	.100	--
JUN									
17...	1245	26	18	5.0	95	19	--	.060	--
JUL									
15...	1240	36	10	4.5	158	16	.09	.050	--
AUG									
19...	1230	20	6.0	5.5	--	34	.03	.010	--
SEP									
16...	1250	22	13	5.0	73	33	.02	.030	--

RED RIVER BASIN

07363465 BIG CREEK NEAR PANSY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
15...	1305	.110	.030	<1	<1	<15	1	--	--
NOV									
05...	1025	.090	.040	<1	<1	<15	<1	--	20
DEC									
03...	1315	.090	.050	<1	<1	<15	1	--	--
JAN, 1986									
21...	1308	.020	<.010	<1	1	<15	1	<.50	<10
FEB									
18...	1245	.030	.010	<1	<1	<15	1	--	20
MAR									
18...	1240	.060	.030	<1	<1	<15	2	--	10
APR									
15...	1225	.050	.030	<1	1	<15	2	--	50
MAY									
06...	1240	.060	.030	<1	<1	<15	3	--	50
JUN									
17...	1245	--	.030	<1	2	<15	2	--	70
JUL									
15...	1240	.130	.070	<1	1	<15	<1	--	20
AUG									
19...	1230	.160	.040	<1	<1	<15	5	--	<10
SEP									
16...	1250	.190	.050	<1	<1	<15	4	--	<10

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 mi².

PERIOD OF RECORD.--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.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--49 years, 2,610 ft³/s, 16.86 in/yr, 1,891,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 74,500 ft³/s May 18, 1968, gage height, 31.40 ft; minimum, 3.5 ft³/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 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Apr. 15	0100	*13,200	*23.12	No other peak greater than base discharge.			

Minimum discharge, 24 ft³/s Sept. 9, gage height, 4.60 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	1860	1900	782	319	649	757	3450	694	742	42	28
2	83	1010	2870	737	326	615	698	4130	604	811	51	27
3	72	727	2920	686	314	581	653	4360	723	766	53	27
4	66	1020	2960	655	1580	559	638	4240	1230	626	44	28
5	70	1210	3120	624	4540	541	792	3910	1360	523	40	25
6	79	1050	3420	589	5860	519	1300	3280	1920	466	38	25
7	82	737	3740	554	6720	497	2440	2320	2760	391	42	26
8	81	530	4040	533	6900	471	3410	1550	3320	340	59	26
9	79	436	4150	514	6780	447	4310	1120	3860	364	54	25
10	78	356	3710	505	6540	429	5040	899	4850	321	51	26
11	71	304	3280	502	6250	406	6290	770	5830	316	51	28
12	61	266	5370	490	6020	800	7960	682	6820	265	48	28
13	51	243	6000	467	5890	1590	9880	624	7680	225	61	26
14	43	240	5860	449	5730	1950	12400	664	8370	201	102	26
15	44	269	5410	426	5390	2880	13000	928	8830	181	118	25
16	42	344	4950	418	4470	3490	11800	1010	8960	170	146	27
17	39	526	4840	399	2990	3770	10300	854	8810	157	208	27
18	45	1380	5380	390	2010	3930	8990	722	8500	145	209	28
19	1620	1380	6430	390	1670	4520	7690	735	8100	134	187	29
20	4860	1350	7270	390	1470	4930	6520	1190	7540	122	178	31
21	2790	1530	7790	390	1310	5200	5430	1750	6410	107	183	44
22	980	1720	7950	390	1160	5360	4720	2130	3660	96	170	43
23	429	1850	7660	393	1030	5220	4420	2310	1330	89	169	44
24	369	1940	6640	407	940	4560	4230	2300	804	84	182	41
25	397	1820	4410	390	862	3240	4010	1940	651	81	162	36
26	385	1470	1980	372	792	1950	3910	1350	560	84	138	30
27	316	1130	1270	364	730	1390	3910	1030	509	98	118	28
28	258	914	1090	346	670	1140	4040	934	578	88	95	26
29	251	806	980	339	---	1010	3970	936	749	63	75	26
30	599	1020	883	339	---	917	3650	914	694	55	63	25
31	2160	---	829	336	---	838	---	803	---	45	46	---
TOTAL	16588	29438	129102	14566	89263	64399	157158	53835	116706	8156	3183	881
MEAN	535	981	4165	470	3188	2077	5239	1737	3890	263	103	29.4
MAX	4860	1940	7950	782	6900	5360	13000	4360	8960	811	209	44
MIN	39	240	829	336	314	406	638	624	509	45	38	25
CFSM	.25	.47	1.98	.22	1.52	.99	2.49	.83	1.85	.13	.05	.01
IN.	.29	.52	2.28	.26	1.58	1.14	2.78	.95	2.07	.14	.06	.02
AC-FT	32900	58390	256100	28890	177100	127700	311700	106800	231500	16180	6310	1750
CAL YR 1985	TOTAL	1021675	MEAN	2799	MAX	27600	MIN	39	CFSM	1.33	IN.	18.08
WTR YR 1986	TOTAL	683275	MEAN	1872	MAX	13000	MIN	25	CFSM	.89	IN.	12.09
											AC-FT	2026000
											AC-FT	1355000

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)
OCT, 1985										
08...	1015	9827	9827	105	--	7.52	19.0	--	8.9	--
NOV										
05...	1338	9827	9827	1570	--	6.61	11.0	--	7.7	--
DEC										
03...	1345	9827	9827	3800	--	6.84	10.0	35	8.7	--
JAN, 1986										
07...	1432	9827	9827	816	147	7.15	6.0	60	11.1	18
FEB										
04...	1347	9827	9827	2050	--	--	14.0	40	10.2	--
MAR										
04...	1351	9827	9827	727	--	7.19	13.0	15	10.0	--
APR										
01...	1520	9827	9827	984	--	--	21.0	--	--	--
MAY										
13...	1500	9827	9827	811	--	7.01	28.0	15	6.4	--
JUN										
03...	1530	9827	9827	940	--	--	25.0	--	7.5	--
JUL										
01...	1445	9827	9827	965	--	7.00	30.0	20	7.7	--
AUG										
05...	1500	9827	9827	52	--	7.45	32.0	4.4	9.4	--
SEP										
02...	1400	9827	9827	35	--	7.48	--	4.0	--	--
30...	1510	9827	9827	32	--	7.63	29.0	7.5	9.0	--
DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)
OCT, 1985										
08...	1015	2.3	20	42	41	6.5	118	8	.16	.020
NOV										
05...	1338	.9	40	22	19	5.5	65	16	.05	.010
DEC										
03...	1345	1.9	1200	26	19	8.0	110	40	.09	.040
JAN, 1986										
07...	1432	2.7	30	44	36	6.5	99	175	.17	.090
FEB										
04...	1347	2.2	360	40	41	6.5	105	100	.06	.020
MAR										
04...	1351	1.4	60	42	--	--	101	29	.06	--
APR										
01...	1520	--	<4	36	22	4.5	107	12	--	.070
MAY										
13...	1500	.7	12	40	20	5.5	86	14	.21	.100
JUN										
03...	1530	1.3	20	36	28	5.3	112	--	.27	.070
JUL										
01...	1445	--	<4	32	--	4.5	38	11	.28	.020
AUG										
05...	1500	3.4	4	84	26	5.0	78	--	.05	.020
SEP										
02...	1400	3.3	32	--	13	5.5	--	13	--	<.010
30...	1510	2.4	56	--	12	6.5	83	--	.01	.010

07364012 SALINE RIVER NEAR FOUNTAIN HILL, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
08...	1015	.090	.050	<1	--	20	14	--	50
NOV									
05...	1338	.080	.050	<1	1	29	--	--	50
DEC									
03...	1345	.100	.040	<1	<1	34	43	--	20
JAN, 1986									
07...	1432	.190	.050	1	2	--	3	.10	--
FEB									
04...	1347	.100	.050	1	2	<15	1	--	<10
MAR									
04...	1351	.090	.040	<1	2	<15	3	--	<10
APR									
01...	1520	--	--	<1	--	--	3	--	<10
MAY									
13...	1500	.060	.050	<1	2	<15	--	--	<10
JUN									
03...	1530	.060	.070	<1	2	<15	3	--	<10
JUL									
01...	1445	.110	.050	<1	1	<15	2	--	10
AUG									
05...	1500	.050	.010	<1	--	<15	1	--	10
SEP									
02...	1400	.040	.010	<1	<1	<15	3	--	<10
30...	1510	.060	.020	<1	<1	<15	7	--	<10

RED RIVER BASIN

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)
OCT, 1985											
15...	1400	9827	9827	.00	8.53	23.0	6.0	10.6	1.7	8	56
NOV											
05...	0930	9827	9827	24	7.10	12.0	30	6.0	--	80	28
DEC											
03...	1403	9827	9827	42	7.31	8.0	15	7.9	2.5	>600	70
JAN, 1986											
21...	1400	9827	9827	8.0	7.08	13.0	10	9.7	3.0	36	36
FEB											
18...	1400	9827	9827	42	6.85	15.0	35	8.4	1.2	100	22
MAR											
18...	1330	9827	9827	225	6.71	--	25	6.5	3.5	110	24
APR											
15...	1320	9827	9827	66	6.83	21.0	30	4.9	1.8	170	30
MAY											
06...	1330	9827	9827	32	6.90	24.0	35	5.4	1.0	68	22
JUN											
17...	1335	9827	9827	133	--	29.0	15	3.0	2.0	50	40
JUL											
15...	1330	9827	9827	8.0	6.90	32.0	45	5.5	3.8	64	42
AUG											
19...	1330	9827	9827	5.2	7.21	29.0	25	5.2	3.1	180	110
DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)
OCT, 1985											
15...	1400	7.0	14	119	20	.03	.010	.160	.090	<1	<1
NOV											
05...	0930	15	8.0	81	9	.17	--	.240	.170	<1	<1
DEC											
03...	1403	24	43	204	22	.29	.040	.190	.120	<1	1
JAN, 1986											
21...	1400	14	8.0	86	13	--	.060	.180	.110	<1	3
FEB											
18...	1400	16	7.5	90	26	.20	.120	.170	.110	<1	2
MAR											
18...	1330	14	8.0	71	28	.16	.110	.200	.120	<1	1
APR											
15...	1320	--	6.0	99	35	.17	.260	.300	.210	<1	2
MAY											
06...	1330	18	6.5	85	35	.17	.070	.240	.180	<1	<1
JUN											
17...	1335	11	4.5	92	16	--	.130	--	.240	1	2
JUL											
15...	1330	8.0	5.5	150	36	1.8	.050	.430	.290	<1	1
AUG											
19...	1330	12	14	--	45	.11	.020	.190	.070	<1	<1

RED RIVER BASIN

07364115 BAYOU BARTHOLOMEW NEAR LADD, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	LINDANE TOTAL (UG/L) (39340)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)
OCT, 1985										
15...	1400	<15	1	--	--	<.002	<.01	<.002	<.01	<.01
NOV										
05...	0930	<15	<1	--	<10	--	--	--	--	--
DEC										
03...	1403	<15	5	--	--	--	--	--	--	--
JAN, 1986										
21...	1400	<15	1	<.50	<10	<.002	<.01	<.002	<.01	<.01
FEB										
18...	1400	<15	4	--	20	--	--	--	--	--
MAR										
18...	1330	<15	5	--	20	--	--	--	--	--
APR										
15...	1320	<15	4	--	60	<.002	<.01	<.002	<.01	<.01
MAY										
06...	1330	<15	4	--	50	--	--	--	--	--
JUN										
17...	1335	<15	4	--	80	--	--	--	--	--
JUL										
15...	1330	<15	3	--	10	<.002	<.01	<.002	<.01	<.01
AUG										
19...	1330	<15	3	--	<10	--	--	--	--	--
DATE	TIME	P,P' DDT, TOTAL (UG/L) (39300)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ENDRIN, TOTAL (UG/L) (39390)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCOR 1260 PCB TOTAL (UG/L) (39508)
OCT, 1985										
15...	1400	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
JAN, 1986										
21...	1400	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
APR										
15...	1320	<.01	<.01	<.01	<.01	<.003	<.001	<.001	<1	<.1
JUL										
15...	1330	<.01	<.01	<.01	<.01	<.002	<.001	<.001	<1	<.1

RED RIVER BASIN

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 mi².

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: Oct. 31 to Nov. 12, Feb. 6 to Mar. 2, and Mar. 14 to Apr. 7. Records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--45 years (1939-42, 1946-86), 674 ft³/s, 15.89 in/yr, 488,300 acre ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 6,870 ft³/s May 11, 1958, gage height, 25.49 ft, present datum; minimum, 0.20 ft³/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 daily discharge, 2,200 ft³/s Nov. 6; maximum gage height, 15.32 ft Nov. 6; minimum discharge, 7.6 ft³/s Aug. 2, 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	1700	456	360	42	290	210	219	183	202	7.8	32
2	15	1800	505	301	42	230	180	215	156	176	9.4	32
3	15	2000	511	239	43	180	160	220	142	185	13	45
4	14	2100	496	192	75	151	140	235	154	237	12	60
5	14	2100	474	153	173	122	120	255	179	247	10	66
6	14	2200	449	123	330	103	110	262	171	219	9.1	64
7	14	2100	430	104	470	89	95	252	146	189	8.6	56
8	14	2100	415	84	610	78	88	231	147	149	8.0	46
9	14	2000	400	74	760	71	82	201	219	120	7.7	38
10	14	1800	382	68	940	65	77	171	349	101	7.7	33
11	14	1600	465	63	1200	60	74	146	547	84	7.6	29
12	13	1300	674	58	1200	89	79	128	650	71	11	26
13	13	891	771	56	1300	192	85	110	708	61	17	24
14	13	839	814	52	1400	300	89	96	712	51	19	22
15	13	695	843	51	1300	450	91	82	682	42	20	21
16	13	572	873	49	1300	600	105	75	641	35	21	20
17	13	515	901	47	1300	700	133	74	594	32	22	19
18	13	474	913	48	1200	770	175	85	546	31	26	18
19	15	394	915	47	1200	790	216	88	504	31	29	17
20	66	341	917	47	1100	830	259	82	466	31	32	16
21	264	289	917	51	1000	840	290	75	435	27	33	16
22	526	240	916	58	930	850	311	66	415	24	35	16
23	668	225	906	63	850	850	330	58	368	20	38	16
24	773	259	888	65	760	830	345	52	354	17	42	16
25	843	336	862	66	630	800	342	55	354	15	45	16
26	875	439	826	63	530	740	325	117	338	13	46	16
27	885	483	757	58	440	630	301	236	316	11	45	16
28	887	494	676	54	360	510	277	325	305	9.1	45	15
29	884	479	592	49	---	370	253	333	277	8.7	46	15
30	890	443	509	46	---	300	233	298	240	8.2	43	15
31	1300	---	429	43	---	250	---	240	---	7.7	38	---
TOTAL	9124	31208	20882	2832	21485	13130	5575	5082	11298	2454.7	753.9	841
MEAN	294	1040	674	91.4	767	424	186	164	377	79.2	24.3	28.0
MAX	1300	2200	917	360	1400	850	345	333	712	247	46	66
MIN	13	225	382	43	42	60	74	52	142	7.7	7.6	15
AC-FT	18100	61900	41420	5620	42620	26040	11060	10080	22410	4870	1500	1670
CAL YR 1985	TOTAL	213447.0	MEAN	585	MAX	2200	MIN	13	AC-FT	423400		
WTR YR 1986	TOTAL	124665.6	MEAN	342	MAX	2200	MIN	7.6	AC-FT	247300		

07364600 BAYOU DE LOUITRE 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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)
OCT, 1985										
08...	0606	9827	9827	7.61	14.0	--	6.9	1.5	270	390
NOV										
05...	0851	9827	9827	6.83	11.0	--	6.6	.6	48	130
DEC										
03...	0907	9827	9827	6.32	5.0	10	9.1	1.5	630	50
JAN, 1986										
07...	0941	9827	9827	7.27	5.0	6.0	10.8	1.9	72	200
FEB										
04...	0911	9827	9827	--	16.0	20	6.0	--	>600	70
APR										
01...	0908	9827	9827	--	18.0	--	--	--	110	170
MAY										
13...	0900	9827	9827	7.56	24.0	25	3.9	--	490	390
JUN										
03...	0915	9827	9827	--	25.0	--	4.3	2.9	280	230
JUL										
01...	0820	9827	9827	6.20	27.0	9.5	2.9	2.3	260	70
AUG										
05...	0830	9827	9827	7.70	25.0	8.3	3.0	2.0	510	510
SEP										
02...	0900	9827	9827	6.90	24.0	10	--	2.0	820	--
30...	0915	9827	9827	7.24	25.0	6.0	3.0	1.2	230	--

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P) (70507)
OCT, 1985									
08...	0606	86	1300	2320	9	1.5	.180	--	.050
NOV									
05...	0851	41	350	733	12	>1.0	.100	.090	.070
DEC									
03...	0907	20	110	282	12	.30	.020	.110	.070
JAN, 1986									
07...	0941	68	600	1140	10	.44	.140	.110	.060
FEB									
04...	0911	21	190	410	38	.29	.490	.360	.230
APR									
01...	0908	52	520	1090	71	--	.540	.270	--
MAY									
13...	0900	>100	1300	2590	52	1.5	.360	.210	.060
JUN									
03...	0915	130	1700	1550	--	1.6	.250	.190	.080
JUL									
01...	0820	--	110	207	10	.07	.110	.170	.100
AUG									
05...	0830	170	2100	3290	--	.38	.270	.240	.140
SEP									
02...	0900	230	1900	--	19	--	.250	.070	.070
30...	0915	170.	1400	2940	--	.86	.170	.090	.050

RED RIVER BASIN

07364600 BAYOU DE LOUTRE NEAR EL DORADO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985									
08...	0606	7	1	--	22	34	--	3	270
NOV									
05...	0851	--	1	1	38	--	--	--	100
DEC									
03...	0907	--	<1	<1	25	130	--	--	50
JAN, 1986									
07...	0941	6	3	8	--	13	.10	<1	--
FEB									
04...	0911	--	1	6	<15	2	--	--	10
APR									
01...	0908	7	<1	--	--	--	--	<1	20
MAY									
13...	0900	--	<1	2	20	--	--	--	10
JUN									
03...	0915	--	<1	4	<15	3	--	--	<10
JUL									
01...	0820	1	<1	3	<15	2	--	<1	40
AUG									
05...	0830	--	<1	--	<15	3	--	--	10
SEP									
02...	0900	--	<1	6	25	64	--	--	30
30...	0915	--	<1	5	<15	1	--	--	30

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 mi².

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

AVERAGE DISCHARGE.--30 years, 176 ft³/s, 13.28 in/yr, 127,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,000 ft³/s June 8, 1974, gage height, 17.50 ft, from rating curve extended above 11,000 ft³/s on basis of contracted-opening measurement at 35,800 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 13	1900	2,300	10.83	June 11	0500	2,300	10.52
Feb. 6	2300	1,610	10.26	June 29	2100	*3,360	*10.88
Apr. 21	0900	1,400	10.05				

No flow at times.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	444	196	46	28	39	31	73	10	1530	1.1	14
2	9.8	386	306	46	27	34	32	45	11	950	2.1	13
3	10	323	341	45	27	32	28	37	9.9	511	2.1	14
4	7.3	159	357	41	359	32	26	31	23	234	2.8	14
5	6.9	49	302	38	970	32	34	27	106	110	5.6	15
6	7.1	31	153	39	1370	31	29	22	93	47	8.1	19
7	6.5	21	83	38	1490	29	27	18	63	27	8.1	27
8	7.7	17	61	40	1100	30	29	16	79	18	10	25
9	8.8	14	53	45	808	31	29	14	172	13	10	27
10	9.9	12	46	49	483	27	34	12	640	9.5	9.9	20
11	11	9.7	273	45	265	26	35	12	2120	6.9	11	17
12	12	11	834	43	216	156	478	11	1440	4.6	8.4	15
13	12	9.2	1970	40	185	397	956	11	951	2.4	6.7	13
14	12	8.0	1680	36	152	398	1010	9.6	489	1.8	8.8	11
15	12	9.8	1120	33	131	381	1010	9.3	123	.67	9.9	10
16	13	8.0	865	31	116	429	629	9.2	42	.00	10	9.9
17	14	39	626	32	103	572	198	9.3	28	.00	11	13
18	15	169	356	50	92	572	75	11	42	.00	11	15
19	76	206	195	119	87	533	68	14	48	.00	11	15
20	253	208	140	125	80	509	745	18	26	.00	11	18
21	183	119	110	83	69	371	1310	16	17	.00	11	17
22	136	47	94	59	59	190	1040	12	12	.11	11	15
23	51	31	85	48	52	97	765	13	9.1	.32	11	22
24	24	105	79	43	46	70	278	12	8.3	.69	11	17
25	17	346	73	44	43	60	90	10	8.1	.80	11	9.0
26	14	430	65	50	42	54	56	9.9	7.8	.87	11	5.9
27	12	469	56	44	39	49	42	13	10	1.0	10	8.0
28	14	507	51	39	40	43	38	21	169	.94	12	9.5
29	48	462	51	34	---	39	62	17	1900	.63	11	8.2
30	182	265	50	31	---	38	124	17	2600	.26	11	7.2
31	413	---	48	30	---	35	---	12	---	.44	12	---
TOTAL	1608.0	4914.7	10719	1486	8479	5336	9308	562.3	11257.2	3471.93	280.6	443.7
MEAN	51.9	164	346	47.9	303	172	310	18.1	375	112	9.05	14.8
MAX	413	507	1970	125	1490	572	1310	73	2600	1530	12	27
MIN	6.5	8.0	46	30	27	26	26	9.2	7.8	.00	1.1	5.9
CFSM	.29	.91	1.92	.27	1.68	.96	1.72	.10	2.08	.62	.05	.08
IN.	.33	1.02	2.22	.31	1.75	1.10	1.92	.12	2.33	.72	.06	.09
AC-FT	3190	9750	21260	2950	16820	10580	18460	1120	22330	6890	557	880
CAL YR 1985	TOTAL	63334.46	MEAN	174	MAX	2620	MIN	.00	CFSM	.97	IN.	13.09
WTR YR 1986	TOTAL	57866.43	MEAN	159	MIN	2600	MIN	.00	CFSM	.88	IN.	11.96
											AC-FT	125600
											AC-FT	114800

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 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEM- ICAL (LOW LEVEL) (MG/L) (00335)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT, 1985											
22...	1536	9827	9827	127	--	5.91	21.0	--	5.7	--	1.8
NOV											
19...	1450	9827	9827	245	--	6.15	20.0	20	--	--	2.5
DEC											
17...	1454	9827	9827	492	--	5.89	9.0	15	11.3	--	1.1
JAN, 1986											
21...	1547	9827	9827	73	--	5.78	13.0	4.0	9.2	--	1.0
FEB											
18...	1602	9827	9827	96	--	5.77	14.0	5.0	8.8	--	.6
MAR											
18...	1643	9827	9827	558	425	5.71	17.0	--	6.2	52	1.2
APR											
15...	1617	9827	9827	865	--	5.78	18.0	7.0	5.4	--	1.4
MAY											
27...	1545	9827	9827	16	--	6.12	23.0	15	4.2	--	1.1
JUN											
24...	1615	9827	9827	10	--	6.35	28.0	25	3.4	--	.5
JUL											
15...	1630	9827	9827	6.8	--	6.00	29.0	--	4.6	--	.7
AUG											
12...	1550	9827	9827	7.4	--	7.08	27.0	10	--	--	3.4
SEP											
16...	1646	9827	9827	13	--	6.46	27.0	45	2.4	--	>2.4

DATE	TIME	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CACO3) (00900)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT, 1985										
22...	1536	60	50	--	83	--	30	.06	.070	.070
NOV										
19...	1450	460	88	10	100	--	15	.03	<.010	.080
DEC										
17...	1454	12	60	15	61	165	7	.04	<.010	.050
JAN, 1986										
21...	1547	4	94	10	160	365	8	.13	.050	.030
FEB										
18...	1602	8	96	13	140	307	10	.04	.030	.060
MAR										
18...	1643	180	78	12	110	263	17	.07	.090	.070
APR										
15...	1617	92	62	8.0	85	211	17	--	.040	.060
MAY										
27...	1545	96	86	--	170	340	12	.20	.230	--
JUN										
24...	1615	24	98	--	150	--	24	.17	.090	.100
JUL										
15...	1630	16	96	--	130	355	12	.14	.090	--
AUG										
12...	1550	280	74	12	96	--	11	--	.030	.050
SEP										
16...	1646	28	60	--	72	203	88	.04	.040	.130

07365800 CORNIE BAYOU NEAR THREE CREEKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	PHOS- PHORUS, 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)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT, 1985										
22...	1536	.020	2	--	1	--	--	--	<1	130
NOV										
19...	1450	.030	--	1	2	--	--	--	--	100
DEC										
17...	1454	.030	--	<1	3	27	--	--	--	50
JAN, 1986										
21...	1547	.010	1	1	11	<15	2	<.50	<1	30
FEB										
18...	1602	.010	--	<1	7	<15	3	--	--	20
MAR										
18...	1643	.030	--	<1	2	<15	5	--	--	--
APR										
15...	1617	.030	--	--	2	<15	4	--	--	20
MAY										
27...	1545	.040	--	<1	1	<15	3	--	--	10
JUN										
24...	1615	.040	--	<1	2	<15	2	--	--	10
JUL										
15...	1630	--	<1	<1	2	<15	10	--	<1	20
AUG										
12...	1550	.040	--	<1	<1	<15	15	--	--	10
SEP										
16...	1646	.040	--	<1	1	<15	2	--	--	<10

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	Gage height (feet)	Dis-charge (ft ³ /s)
St. Francis River basin							
07047200	Ditch No. 45 near Lepanto, Ark. (Discon.)	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	1962-86	--	<3.96	<14
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	1960-86	--	<5.97	<35
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	1963-86	--	<3.20	<18
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	1960-86	11-19-85	6.17	274
07048900	Whitener Branch tributary near Spring Valley	Lat 36°10'14", long 93°54'59", in SE 1/4 NW 1/4 sec.1, T.17 N., R.28 W., Washington County, at Culvert on State Highway 68, 1.0 mi east of Spring Valley.	1.07	1960-86	08-05-85 04-08-86	6.10 8.58	b140 340
07049000	War Eagle Creek near Hinds-ville, 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 Hinds-ville.	262	1953-70† 1971-77 1985-86	11-19-85	28.49	49,000
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† 1976-86	11-19-85	a38.91	66,000
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	1962-86	11-19-85	9.11	470
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† 1981-86	01-01-86	13.83	30,600
07055550	Crooked Creek tributary near Dogpatch, Ark. (Discon.)	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	1961-86	11-19-85	5.41	530
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	1985-86	02-23-85 11-19-85	24.01 16.88	b22,600 9,080

† Operated as a continuous-record gaging station.

a From floodmark.

b 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)	Dis-charge (ft ³ /s)
White River basin--Continued							
07057300	Dodd Creek tributary near Mountain Home, Ark. (Discon.)	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	1961-86	11-19-85	11.30	410
07060600	Band Mill Creek near Brockwell, Ark. (Discon.)	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	1961-86	--	<5.66	<275
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	1978-86	11-28-85	12.57	40,700
07061100	Gibbs Creek at Sulphur Rock, Ark. (Discon.)	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	1962-86	--	<5.42	<195
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, 1981-86	11-24-85	19.58	17,700
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	1961-86	--	<8.81	<207
07072200	Hubble Creek near Pocahontas, Ark. (Discon.)	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	1961-86	--	<6.36	<84
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† 1985-86	11-27-85	11.29	3,620
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	1979-86	12-01-85	22.22	29,000
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	1983-86	12-24-85	31.68	59,400
07074900	Trace Creek tributary near Marshall, Ark. (Disc.)	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	1961-86	11-19-85	8.05	88
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† 1985-86	11-27-85	18.48	16,300

† Operated as a continuous-record gaging station.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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)	Dis-charge (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	1964-86	11-27-85	8.47	160
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	1964-86	11-27-85	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† 1981-86	08-18-86	16.21	8,300
07076630	Key Branch near Searcy, Ark.	Lat 35°14'47", long 91°47'01", in NW 1/4 SW 1/4 sec.8, T.7 N., R.7 W., White County, at culvert on State Highway 36, 2.8 mi west of Searcy. Prior to 1964 published as Little Red River tributary near Searcy.	.66	1961-86	11-27-84 11-27-85 03-12-86	b6.00 5.23	b225 79
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	1978-86	12-22-85	20.26	53,800
07076870	Pigeon Roost Creek at Butler-ville, 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	1961-86	03-12-86	10.49	1,650
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	1962-86	--	<4.97	<43
07077340	Sugar Creek tributary near Walcott, Ark. (Discon.)	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	1963-86	11-27-85	6.93	227
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	1963-86	11-27-85	4.93	24
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	1961-86	02-04-86	9.61	750
07078210	Tarleton Creek tributary at Ethel, Ark. (Discon.)	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	1963-86	06-11-86	3.56	18
Arkansas River basin							
07195450	Ballard Creek at Summers, Ark. (Discon.)	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	1963-86	11-19-85	10.07	5,100
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	1981-86	11-18-85	34.50	1,650
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	1981-86	11-18-85	67.56	490

† Operated as a continuous-record gaging station.

b Not previously published.

Annual maximum discharge at crest-stage partial-record stations--Continued

					Annual maximum		
Station no.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis-charge (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† 1971-86	11-18-85	11.25	16,000
07249950	Webber Creek tributary near Cedarville, Ark.	Lat 35°36'00", long 92°22'49", in SE 1/4 SE 1/4 sec.27, T.11 N., R.32 W., Crawford County, at culvert on State Highway 59, 2.3 mi north of Cedarville.	.34	1962-86	12-21-84 04-08-86	5.74 6.65	b ₂₅ 103
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	1981-86	11-18-85	7.55	155
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† 1971-86	11-19-85	15.37	19,500
07252200	North Fork White Oak Creek tributary near Watalula, Ark. (Discon.)	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	1961-86	11-19-85	6.70	177
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† 1971-86	11-19-85	7.90	3,280
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	1962-86	11-27-85	4.25	56
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	1978-86	11-27-85	11.43	7,060
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† 1971-86	04-08-86	15.41	16,800
07257700	McCoy Creek near Dover, Ark. (Discon.)	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	1961-86	--	<3.56	<11
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	1961-86	11-26-85	5.48	218
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† 1985-86	10-21-84 11-27-85	22.03 21.46	c ₁₉ ,900 16,900
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† 1981-86	11-27-85	21.70	4,880
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† 1976-86	11-27-85	18.12	11,300

† Operated as a continuous-record gaging station.

b Not previously published.

c Corrected.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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)	Dis- charge (ft ³ /s)
Arkansas River basin--Continued							
07260673	West Fork Point Remove Creek near Hattie- ville, 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	1978-86	11-27-85	18.18	4,540
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 cul- vert on State Highway 213, 2.2 mi south of Saint Vincent.	.09	1967-86	11-27-85	6.26	39
07261250	Cadron Creek near Con- way, 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	1979-86	11-29-85	17.00	(d)
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 tribu- tary near Rover.	1.40	1963-86	11-27-85	5.77	280
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† 1981-86	12-24-85	10.00	6,130
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	1980-86	12-11-85	21.65	8,590
07263100	Fourche LaFave River trib- utary near Perryville,	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 cul- vert on State Highway 60, 2.2 mi northeast of Perryville.	1.47	1962-86	11-27-85	9.51	690
07263400	Little Maumelle River at Fern- dale, Ark. (Discon.)	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	1963-86	11-27-85	9.56	1,330
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, 1981-86	12-11-85	10.95	2,550
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, 1981-86	11-15-85	11.47	3,700
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	1978-86,	11-15-85	9.40	3,400
07263910	Cypress Branch near Jackson- ville, Ark. (Discon.)	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 cul- vert on State Highway 107, 5.0 mi northwest of Jacksonville.	2.38	1961-86	11-27-85	11.24	840
07264100	White Oak Branch near Lonoke, Ark. (Discon.)	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	1961-86	04-05-86	8.44	660

† Operated as a continuous-record gaging station.

d Not determined.

Annual maximum discharge at crest-stage partial-record stations--Continued

					Annual maximum		
Station no.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis-charge (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+ 1981-86	04-04-86	12.16	3,540
07339800	Pepper Creek near DeQueen, Ark. (Discon.)	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	1961-86	04-04-86	8.15	2,770
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+ 1981-86	04-04-86	13.09	7,920
07340530	Mill Slough tributary near Lockesburg, Ark. (Discon.)	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	1963-86	12-11-85	4.91	143
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+ 1981-86	04-04-86	11.27	3,590
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	1961-86	11-27-85	3.47	176
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	1961-86	06-11-86	10.11	452
07361020	Prairie Creek tributary near Kirby, Ark. (Discon.)	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	1963-86	04-04-86	6.88	265
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	1963-86	12-11-85	22.06	4,000
07361680	Middle Caney Creek tributary near Rosston, Ark. (Discon.)	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	1961-86	11-12-85	8.90	220
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	1962-86	12-11-85	7.14	600
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+ 1984-86	02-07-86	11.72	2,940
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+ 1980-86	04-05-86	21.32	29,500

† Operated as a continuous-record gaging station.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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)	Dis- charge (ft ³ /s)
Red River basin--Continued							
07363050	Holly Creek trib- utary near Benton, Ark. (Discon.)	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 cul- vert on State Highway 35, 2.8 mi southeast of Benton.	1.44	1962-86	--	<3.41	<52
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 down- stream side of bridge on U.S. Highway 167, 13.5 mi south of Sheridan.	1,123	1971-82† 1983-86	04-08-86	17.34	19,800
07363450	Varnell Creek near Rison, Ark. (Discon.)	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	1964-86	03-12-86	4.90	8.2
07364030	L'Aigle Creek tributary near Hermi- tage, 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 cul- vert on State Highway 15, 3.3 mi southwest of Hermitage. Prior to 1975 published as Eagle Creek tributary near Hermitage.	.36	1963-86	12-11-85	4.51	52
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	1961-86	--	<3 34	<34
07364550	Caney Creek trib- utary 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 cul- vert on U.S. Highway 82, 3.5 mi southeast of El Dorado.	.13	1961-86	10-19-85	7.67	64
07367658	Cypress Creek Canal No. 19 tributary near Dumas, Ark. (Discon.)	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	1961-86	07-02-86	7.85	120

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 1986

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)	1985	11-04-85 03-03-86 05-06-86	121 1.95 6.70
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)	1985	10-10-85 02-05-86 05-12-86 07-28-86 09-05-86	3.10 39.2 44.6 0.36 3.54
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, 1983-85	04-02-86 07-09-86	85.2 57.6
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)	1974-85	10-09-85 01-28-86 05-22-86	31.5 62.4 186
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)	1974-85	11-04-85 03-03-86	1.57 0.74
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)	1985	10-16-85 01-08-86 05-14-86 08-05-86	0 0 41.6 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	1971-85	10-10-85 02-25-86 05-13-86 07-28-86 09-12-86	2.41 34.4 25.9 4.95 4.67
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 ^b 1977, 1982-85	10-10-85 02-25-86 05-13-86 07-28-86	53.7 123 121 59.4
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)	1985	02-13-86 05-05-86 07-29-86 09-08-86	23.6 1.53 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 ^c 1985	10-08-85 02-19-86 05-05-86 07-30-86	0 54.8 25.7 40.10

a Not determined.

b Operated as a continuous-record gaging station.

c Operated as a low-flow partial-record station.

d Estimated.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1986--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Red River basin						
Mountain Fork	Little River	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, at bridge on State Highway 246, 3.1 mi north- west of Hatfield.	160	1962-78 ^c 1971-73	05-07-86 07-29-86 09-08-86	92.3 5.22 21.4
Days Creek <u>e</u> /	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)	1973-85	02-21-86	32.4
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	1985	10-08-85 02-13-86 05-06-86 07-29-85 09-08-86	47.9 440 195 40.2 90.4
Little Missouri River	Ouachita River	Lat 34°18'41", long 93°53'58", in SW 1/4 sec.16, T.5 S., R.27 W., Pike County, at bridge on State Highway 84, 3.3 mi west of Langley.	66.5	1958-63 ^c 1974-84	10-08-85 02-13-86 05-06-86 07-29-86 09-08-86	14.5 99.5 49.9 17.0 31.6
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 1974-85	12-12-85 05-29-86 09-11-86	1,120 59.1 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 south- west of Sardis.	(a)	1974-85	10-15-85 01-07-86 04-03-86 06-25-86	6.09 20.8 23.2 19.9
Bayou Barthol- omew	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, 1974-85	01-10-86 05-16-86 09-22-86	4.01 2.63 0

a Not determined.

b Operated as a continuous-record gaging station.

c Operated as a low-flow partial-record station.

e Operated as a stage station by Corps of Engineers.

Water-quality partial-record stations are particular sites where data are collected systematically over a period of years for use in hydrologic analyses. The data are collected less than monthly.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN

07048800 RICHLAND CREEK AT GOSHEN, ARK.
(LAT 36 06 10 LONG 094 00 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, 1985									
18...	1400	80513	80513	.00	6.0	747	24	1.80	--
18...	1405	80513	80020	3.00	6.0	747	--	--	125
MAY, 1986									
05...	1145	80513	80020	.00	4.0	733	130	.61	--
05...	1146	80513	80020	2.00	4.0	733	--	--	115
AUG									
05...	0830	80513	80020	.00	4.0	734	91	1.20	--
05...	0835	80513	80020	2.00	4.0	734	--	--	221

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, 1985								
18...	1405	7.30	7.0	2.9	10	12.3	103	.8
MAY, 1986								
05...	1146	7.40	18.0	3.0	10	10.1	111	.8
AUG								
05...	0835	7.50	23.0	1.0	10	6.0	73	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, 1985								
18...	1405	60	43	1.3	.010	<.010	.200	<.100
MAY, 1986								
05...	1146	54	46	.50	.010	<.010	.600	<.100
AUG								
05...	0835	92	58	.10	.010	<.010	1.50	.300

07048910 BEAVER LAKE AT HIGHWAY 68 BRIDGE NEAR SONORA, ARK.
(LAT 36 06 14 LONG 094 00 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, 1985									
18...	1430	80513	80513	.00	20.0	747	51	.76	--
18...	1434	80513	80020	3.00	20.0	747	--	--	--
18...	1435	80513	80020	10.0	20.0	747	--	--	97
MAY, 1986									
05...	1300	80513	80020	.00	42.0	735	27	.46	--
05...	1301	80513	80020	3.00	42.0	735	--	--	--
05...	1305	80513	80020	21.0	42.0	735	--	--	120
AUG									
05...	0900	80513	80020	.00	38.0	734	2	.88	--
05...	0901	80513	80020	3.00	38.0	734	--	--	--
05...	0905	80513	80020	19.0	38.0	734	--	--	177

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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, 1985								
18...	1435	7.30	4.0	16	30	12.1	94	1.2
MAY, 1986								
05...	1305	6.90	15.5	18	30	5.0	52	1.3
AUG								
05...	0905	7.30	28.0	5.5	10	.4	5	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, 1985								
18...	1434	--	--	--	--	--	.200	<.100
18...	1435	52	37	1.0	.060	.040	--	--
MAY, 1986								
05...	1301	--	--	--	--	--	1.20	.200
05...	1305	53	46	.70	.050	.030	--	--
AUG								
05...	0901	--	--	--	--	--	36.0	2.30
05...	0905	72	54	<.10	.070	.020	--	--

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, 1985									
18..	1500	80513	80513	.00	6.0	747	38	1.80	--
18...	1505	80513	80020	3.00	6.0	747	--	--	145
MAY, 1986									
05..	1345	80513	80020	.00	6.0	735	180	.30	--
05...	1350	80513	80020	3.00	6.0	735	--	--	128
AUG									
05...	0945	80513	80020	.00	4.0	734	88	1.20	--
05...	0950	80513	80020	2.00	4.0	734	--	--	241

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, 1985								
18..	1505	7.40	5.5	2.9	10	12.5	101	.6
MAY, 1986								
05...	1350	7.50	17.5	7.0	20	9.3	101	1.3
AUG								
05..	0950	7.70	25.0	4.5	5	7.3	92	1.4

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

07049050 BEAVER LAKE AT WAR EAGLE, ARK.--CONTINUED

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LITY 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, 1985								
18...	1505	50	62	1.3	.020	.010	<.100	<.100
MAY, 1986								
05...	1350	62	56	.60	.030	.010	.800	<.100
AUG								
05...	0950	120	56	.30	.020	<.010	8.70	1.20

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, 1985									
19...	0930	80513	80513	.00	90.0	744	21	.46	--
19...	0931	80513	80020	3.00	90.0	744	--	--	--
19...	0935	80513	80020	18.0	90.0	744	--	--	88
19...	0940	80513	80020	72.0	90.0	744	--	--	93
MAY, 1986									
06...	0800	80513	80020	.00	75.0	735	1	.76	--
06...	0801	80513	80020	3.00	75.0	735	--	--	--
06...	0805	80513	80020	15.0	75.0	735	--	--	107
06...	0810	80513	80020	60.0	75.0	735	--	--	121
AUG									
05...	1215	80513	80020	.00	80.0	734	0	1.80	--
05...	1216	80513	80020	3.00	80.0	734	--	--	--
05...	1220	80513	80020	16.0	80.0	734	--	--	121
05...	1225	80513	80020	60.0	80.0	734	--	--	139

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, 1985									
19...	0935	6.90	6.0	33	70	10.4	86	1.2	44
19...	0940	7.00	6.0	29	40	10.1	83	1.0	46
MAY, 1986									
06...	0805	8.00	18.5	12	20	8.8	97	1.5	48
06...	0810	7.60	10.5	35	60	5.6	52	.9	55
AUG									
05...	1220	8.50	28.5	.60	10	7.0	94	1.4	56
05...	1225	7.20	13.0	25	40	.3	3	1.4	64

DATE	TIME	ALKA- LITY 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 RECOV- ERABLE (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, 1985									
19...	0935	35	.80	.050	.030	1200	<1	<10	5
19...	0940	36	.90	.040	.030	1400	<1	<10	4
MAY, 1986									
06...	0805	43	.60	.040	.010	380	<1	<10	5
06...	0810	49	1.0	.060	.030	1100	<1	<10	6
AUG									
05...	1220	60	<.10	.020	<.010	40	<1	<10	1
05...	1225	54	.30	.040	.030	1600	2	<10	5

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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, 1985									
19...	0931	--	--	--	--	--	--	.200	<.100
19...	0935	2100	1	120	<.10	8	20	--	--
19...	0940	1700	1	140	<.10	7	10	--	--
MAY, 1986									
06...	0801	--	--	--	--	--	--	12.0	1.20
06...	0805	630	1	30	<.10	<1	<10	--	--
06...	0810	1800	2	100	<.10	<1	10	--	--
AUG									
05...	1216	--	--	--	--	--	--	10.0	1.10
05...	1220	60	<5	20	.20	<1	20	--	--
05...	1225	2100	<5	1800	.30	6	40	--	--

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, 1985									
19...	1030	80513	80513	.00	12.0	744	83	.30	--
19...	1031	80513	80020	3.00	12.0	744	--	--	--
19...	1035	80513	80020	6.00	12.0	744	--	--	133
MAY, 1986									
06...	0830	80513	80020	.00	8.0	735	3	.30	--
06...	0831	80513	80020	3.00	8.0	735	--	--	--
06...	0835	80513	80020	4.00	8.0	735	--	--	124
AUG									
05...	1240	80513	80020	.00	4.0	734	1	1.20	--
05...	1245	80513	80020	2.00	4.0	734	--	--	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)
DEC, 1985								
19...	1035	7.20	6.5	60	70	9.4	78	1.3
MAY, 1986								
06...	0835	7.50	19.0	22	40	8.7	97	1.8
AUG								
05...	1245	8.70	28.5	1.5	10	9.0	121	1.9

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, 1985								
19...	1031	--	--	--	--	--	2.70	.300
19...	1035	70	58	1.0	.060	.020	--	--
MAY, 1986								
06...	0831	--	--	--	--	--	5.60	.600
06...	0835	47	50	.90	.060	.020	--	--
AUG								
05...	1245	64	62	<.10	.030	.010	16.0	2.30

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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 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, UM-MF (COLS./ 100 ML) (31625)	TRANS- PAR- FNCY (SECCHI DISK) (M) (00078)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)
DEC, 1985									
19...	1130	80513	80513	.00	135	743	K19	.85	--
19...	1131	80513	80020	3.00	135	743	--	--	--
19...	1135	80513	80020	27.0	135	743	--	--	93
19...	1140	80513	80020	103	135	743	--	--	105
MAY, 1986									
06...	1045	80513	80020	.00	125	735	1	.30	--
06...	1046	80513	80020	3.00	125	735	--	--	--
06...	1050	80513	80020	25.0	125	735	--	--	105
06...	1055	80513	80020	100	125	735	--	--	106
AUG									
05...	1130	80513	80020	.00	95.0	734	1	2.30	--
05...	1131	80513	80020	3.00	95.0	734	--	--	--
05...	1135	80513	80020	19.0	95.0	734	--	--	116
05...	1140	80513	80020	76.0	95.0	734	--	--	122
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, 1985									
19...	1135	7.30	8.0	60	70	9.6	83	1.2	42
19...	1140	7.20	8.0	55	70	10.0	87	1.1	52
MAY, 1986									
06...	1050	7.40	18.0	45	70	8.2	90	1.4	47
06...	1055	7.10	9.5	22	70	6.8	62	.9	47
AUG									
05...	1135	8.50	28.5	1.0	5	7.6	102	1.5	58
05...	1140	7.10	11.0	20	40	.3	3	.9	54
DATE	TIME	ALKA- LITY 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, 1985									
19...	1135	52	.30	.060	.010	4200	1	<10	5
19...	1140	44	.60	.050	.040	280	1	10	5
MAY, 1986									
06...	1050	41	.90	.060	.040	900	1	<10	4
06...	1055	43	.80	.040	.020	940	<1	<10	5
AUG									
05...	1135	58	<.10	.010	<.010	40	<1	<10	1
05...	1140	56	.90	.020	.020	1500	<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)
DEC, 1985									
19...	1131	--	--	--	--	--	--	.400	<.100
19...	1135	4000	1	170	<.10	8	50	--	--
19...	1140	3000	1	140	<.10	7	70	--	--
MAY, 1986									
06...	1046	--	--	--	--	--	--	2.60	.200
06...	1050	1800	1	50	<.10	<1	10	--	--
06...	1055	1400	1	130	<.10	11	<10	--	--
AUG									
05...	1131	--	--	--	--	--	--	6.80	.700
05...	1135	<10	<5	20	.10	<1	<10	--	--
05...	1140	1000	<5	360	.60	<1	40	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

07049570 BEAVER LAKE ON PRAIRIE CREEK NEAR ROGERS, ARK.
(LAT 36 20 48 LONG 094 04 57)

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, 1985									
19...	1230	80513	80513	.00	6.0	744	31	.54	--
19...	1235	80513	80020	3.00	6.0	744	--	--	215
MAY, 1986									
06...	1030	80513	80020	.00	6.0	735	8	.30	--
06...	1035	80513	80020	3.00	6.0	735	--	--	124
AUG									
05...	1045	80513	80020	.00	6.0	734	5	.88	--
05...	1050	80513	80020	3.00	6.0	734	--	--	125

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, 1985								
19...	1235	7.40	6.0	10	10	10.3	85	1.2
MAY, 1986								
06...	1035	7.50	19.0	22	70	8.6	96	1.6
AUG								
05...	1050	8.60	28.5	1.8	5	7.6	102	1.9

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LINEITY 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, 1985								
19...	1235	100	94	1.0	.030	.020	6.20	.900
MAY, 1986								
06...	1035	60	50	.80	.060	.020	6.20	.400
AUG								
05...	1050	58	66	<.10	.020	.010	14.0	1.70

07049590 BEAVER LAKE NEAR AVOCA, ARK.
(LAT 36 22 10 LONG 094 03 38)

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, 1985									
18...	1200	80513	80513	.00	12.0	744	8	.61	--
18...	1201	80513	80020	3.00	12.0	744	--	--	--
18...	1205	80513	80020	6.00	12.0	744	--	--	151
MAY, 1986									
06...	1000	80513	80020	.00	10.0	735	5	.24	--
06...	1001	80513	80020	3.00	10.0	735	--	--	--
06...	1005	80513	80020	5.00	10.0	735	--	--	124
AUG									
05...	1030	80513	80020	.00	6.0	734	1	1.40	--
05...	1035	80513	80020	3.00	6.0	734	--	--	120

WATER QUALITY DATA, WATER YEAR CONTINUED 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

07049590 BEAVER LAKE NEAR AVOCA, ARK.--CONTINUED

DATE	TIME	PH (STANDARD 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 CAC03) (00900)
DEC, 1985									
18...	1205	7.40	7.0	23	40	10.0	84	1.0	72
MAY, 1986									
06...	1005	7.50	19.0	20	70	8.8	98	2.1	56
AUG									
05...	1035	8.70	28.5	1.2	5	7.7	103	1.5	56

DATE	TIME	ALKA- LINITY FIELD (MG/L AS CAC03) (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, 1985									
18...	1205	45	.70	.030	.020	1000	<1	<10	4
MAY, 1986									
06...	1005	49	.80	.080	.040	880	<1	<10	5
AUG									
05...	1035	60	<.10	.020	<.010	70	<1	10	5

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, 1985									
18...	1201	--	--	--	--	--	--	3.10	.200
18...	1205	1400	1	80	<.10	6	140	--	--
MAY, 1986									
06...	1001	--	--	--	--	--	--	1.80	<.100
06...	1005	1300	2	40	<.10	<1	<10	--	--
AUG									
05...	1035	50	<5	40	.10	<1	<10	6.50	1.00

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, 1985									
17...	1330	80513	80513	.00	60.0	747	10	.91	--
17...	1331	80513	80020	3.00	60.0	747	--	--	--
17...	1335	80513	80020	12.0	60.0	747	--	--	134
17...	1340	80513	80020	48.0	60.0	747	--	--	134
MAY, 1986									
07...	0800	80513	80010	.00	60.0	742	0	3.2	--
07...	0801	80513	80020	3.00	60.0	742	--	--	--
07...	0805	80513	80020	12.0	60.0	742	--	--	164
07...	0810	80513	80020	48.0	60.0	742	--	--	134
AUG									
06...	0940	80513	80020	.00	52.0	738	6	2.30	--
06...	0941	80513	80020	3.00	52.0	738	--	--	--
06...	0945	80513	80020	10.0	52.0	738	--	--	187
06...	0950	80513	80020	42.0	52.0	738	--	--	139

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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, 1985								
17...	1335	7.40	8.5	1.6	5	8.6	75	1.0
17...	1340	7.30	8.5	2.0	5	8.4	73	1.2
MAY, 1986								
07...	0805	8.50	17.5	1.0	5	10.3	111	1.4
07...	0810	8.00	11.0	1.6	5	9.5	88	.7
AUG								
06...	0945	8.50	27.5	2.0	5	7.5	98	.8
06...	0950	7.60	16.5	4.0	5	6.4	68	.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, 1985								
17...	1331	--	--	--	--	--	1.50	<.100
17...	1335	68	64	.40	<.010	<.010	--	--
17...	1340	70	52	.40	.010	<.010	--	--
MAY, 1986								
07...	0801	--	--	--	--	--	6.60	.100
07...	0805	78	66	.20	.010	<.010	--	--
07...	0810	62	60	.30	.010	<.010	--	--
AUG								
06...	0941	--	--	--	--	--	8.40	1.00
06...	0945	100	84	<.10	.010	<.010	--	--
06...	0950	72	66	.30	.020	<.010	--	--

07050510 TABLE ROCK LAKE (KINGS RIVER) 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 OF (COLS./ 100 ML) (31625)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)
DEC, 1985									
17...	1200	80513	80513	.00	25.0	747	22	3.00	--
17...	1201	80513	80020	3.00	25.0	747	--	--	--
17...	1205	80513	80020	5.00	25.0	747	--	--	225
17...	1210	80513	80020	20.0	25.0	747	--	--	225
MAY, 1986									
07...	0845	80513	80010	.00	22.0	743	77	.98	--
07...	0846	80513	80020	3.00	22.0	743	--	--	--
07...	0850	80513	80020	5.00	22.0	743	--	--	187
07...	0855	80513	80020	18.0	22.0	743	--	--	188
AUG									
06...	1100	80513	80020	.00	18.0	736	2	1.40	--
06...	1101	80513	80020	3.00	18.0	736	--	--	--
06...	1105	80513	80020	4.00	18.0	736	--	--	213
06...	1110	80513	80020	15.0	18.0	736	--	--	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, 1985								
17...	1205	7.70	5.0	1.5	5	12.2	97	.9
17...	1210	7.70	5.0	1.4	5	12.1	97	1.0
MAY, 1986								
07...	0850	7.90	19.0	--	--	9.2	102	.8
07...	0855	7.90	19.0	6.2	5	8.1	90	.9
AUG								
06...	1105	7.80	28.0	2.9	5	5.5	73	1.6
06...	1110	7.80	25.5	2.0	5	4.8	61	1.4

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

07050510 TABLE ROCK LAKE (KINGS RIVER) NEAR CARR LANE, MO.--CONTINUED

DATE	TIME	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LINITY FIELD (MG/L AS CAC03) (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, 1985								
17...	1201	--	--	--	--	--	<.100	<.100
17...	1205	120	114	.90	.010	<.010	--	--
17...	1210	120	102	.90	.010	<.010	--	--
MAY, 1986								
07...	0846	--	--	--	--	--	.100	<.100
07...	0850	93	94	.30	.020	<.010	--	--
07...	0855	94	94	.30	.030	<.010	--	--
AUG								
06...	1101	--	--	--	--	--	35.0	4.90
06...	1105	160	156	<.10	.030	<.010	--	--
06...	1110	160	160	<.10	.040	<.010	--	--

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, 1985									
17...	0945	80513	80513	.00	150	747	2	.76	--
17...	0946	80513	80020	3.00	150	747	--	--	--
17...	0950	80513	80020	30.0	150	747	--	--	171
17...	0955	80513	80020	120	150	747	--	--	168
MAY, 1986									
08...	1200	80513	80010	.00	140	743	0	4.9	--
08...	1201	80513	80020	3.00	140	743	--	--	--
08...	1205	80513	80020	28.0	140	743	--	--	190
08...	1210	80513	80020	112	140	743	--	--	176
AUG									
07...	1145	80513	80020	.00	135	739	0	3.4	--
07...	1146	80513	80020	3.00	135	739	--	--	--
07...	1150	80513	80020	27.0	135	739	--	--	214
07...	1155	80513	80020	108	135	739	--	--	166

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, RIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
DEC, 1985								
17...	0950	7.30	9.0	16	35	8.1	71	1.1
17...	0955	7.20	9.0	15	30	8.1	71	1.0
08...	1205	7.20	17.5	1.1	5	9.1	98	.9
08...	1210	6.60	8.0	1.5	5	8.0	69	.8
AUG								
07...	1150	8.30	27.5	1.1	5	6.4	84	.8
07...	1155	7.30	10.5	2.7	5	2.0	18	.4

DATE	TIME	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LINITY FIELD (MG/L AS CAC03) (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, 1985								
17...	0946	--	--	--	--	--	.500	<.100
17...	0950	98	86	.40	.030	.020	--	--
17...	0955	94	76	.40	.020	<.010	--	--
MAY, 1986								
08...	1201	--	--	--	--	--	.900	<.100
08...	1205	95	96	.30	.010	<.010	--	--
08...	1210	88	80	.60	.010	<.010	--	--
AUG								
07...	1146	--	--	--	--	--	3.70	.400
07...	1150	98	82	<.10	.010	<.010	--	--
07...	1155	78	74	.50	.010	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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 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, 1985									
11...	1430	80513	80513	.00	54.0	745	110	1.30	--
11...	1431	80513	80020	3.00	54.0	745	--	--	--
11...	1435	80513	80020	11.0	54.0	745	--	--	320
11...	1440	80513	80020	43.0	54.0	745	--	--	326
MAY, 1986									
08...	0830	80513	80010	.00	44.0	742	1	1.28	--
08...	0831	80513	80020	3.00	44.0	742	--	--	--
08...	0835	80513	80020	9.00	44.0	742	--	--	318
08...	0840	80513	80020	35.0	44.0	742	--	--	326
AUG									
07...	1330	80513	80020	.00	42.0	737	0	.91	--
07...	1331	80513	80020	3.00	42.0	737	--	--	--
07...	1335	80513	80020	9.00	42.0	737	--	--	279
07...	1340	80513	80020	33.0	42.0	737	--	--	397

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, RIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
DEC. 1985								
11...	1435	7.90	7.5	5.1	5	11.2	96	.5
11...	1440	7.90	7.5	7.4	5	10.9	93	1.0
MAY, 1986								
08...	0835	8.60	20.5	2.2	5	10.3	118	2.2
08...	0840	7.70	17.0	1.2	5	3.9	41	1.2
AUG								
07...	1335	8.10	27.5	.20	5	6.5	85	1.9
07...	1340	7.30	24.5	23	80	.8	10	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. 1985								
11...	1431	--	--	--	--	--	.200	<.100
11...	1435	160	142	2.0	.100	.080	--	--
11...	1440	160	142	1.9	.100	.070	--	--
MAY, 1986								
08...	0831	--	--	--	--	--	28.0	11.0
08...	0835	150	136	.60	.080	.050	--	--
08...	0840	160	148	.70	.100	.080	--	--
AUG								
07...	1331	--	--	--	--	--	42.0	3.00
07...	1335	110	94	<.10	.080	.040	--	--
07...	1340	150	130	.70	.290	.180	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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 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 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, 1985									
17...	1030	80513	80513	.00	160	754	4	1.50	--
17...	1031	80513	80020	3.00	160	754	--	--	--
17...	1035	80513	80020	32.0	160	754	--	--	232
17...	1040	80513	80020	128	160	754	--	--	271
MAY, 1986									
08...	1030	80513	80010	.00	150	742	0	4.6	--
08...	1031	80513	80020	3.00	150	742	--	--	--
08...	1035	80513	80020	30.0	150	742	--	--	205
08...	1040	80513	80020	120	150	742	--	--	285
AUG									
07...	1220	80513	80020	.00	140	739	0	3.00	--
07...	1221	80513	80020	3.00	140	739	--	--	--
07...	1225	80513	80020	28.0	140	739	--	--	244
07...	1230	80513	80020	112	140	739	--	--	305

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, 1985								
17...	1035	7.60	9.5	2.5	7	8.8	78	1.2
17...	1040	7.40	8.0	5.2	5	8.8	75	1.2
MAY, 1986								
08...	1035	7.60	18.5	1.5	5	9.3	102	1.0
08...	1040	7.00	9.0	1.0	5	6.0	53	.9
AUG								
07...	1225	8.40	27.5	1.4	5	1.7	22	.7
07...	1230	7.30	11.0	1.8	5	.9	8	.8

DATE	TIME	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LITY FIELD (MG/L AS CAC03) (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, 1985								
17...	1031	--	--	--	--	--	1.70	<.100
17...	1035	120	118	.60	.030	.020	--	--
17...	1040	140	116	1.4	.070	.060	--	--
MAY, 1986								
08...	1031	--	--	--	--	--	2.00	<.100
08...	1035	98	84	.40	.020	<.010	--	--
08...	1040	140	134	1.3	.050	.050	--	--
AUG								
07...	1221	--	--	--	--	--	7.70	.600
07...	1225	94	82	<.10	.010	<.010	--	--
07...	1230	140	128	.60	.090	.070	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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 COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING 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, 1985									
16...	1400	80513	80513	.00	110	750	5	1.00	--
16...	1401	80513	80020	3.00	110	750	--	--	--
16...	1405	80513	80020	22.0	110	750	--	--	209
16...	1410	80513	80020	88.0	110	750	--	--	209
MAY, 1986									
07...	1300	80513	80010	.00	110	743	0	3.7	--
07...	1301	80513	80020	3.00	110	743	--	--	--
07...	1305	80513	80020	22.0	110	743	--	--	213
07...	1310	80513	80020	88.0	110	743	--	--	225
AUG									
07...	0935	80513	80020	.00	100	740	0	3.00	--
07...	0936	80513	80020	3.00	100	740	--	--	--
07...	0940	80513	80020	20.0	100	740	--	--	192
07...	0945	80513	80020	80.0	100	740	--	--	256

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, 1985								
16...	1405	7.40	10.0	10	10	8.9	80	1.8
16...	1410	7.40	9.5	14	10	8.3	74	1.7
MAY, 1986								
07...	1305	8.40	16.5	1.2	5	8.6	90	1.2
07...	1310	7.60	9.5	1.0	5	5.8	52	.8
AUG								
07...	0940	8.50	28.0	.80	5	7.5	99	.8
07...	0945	7.50	13.0	2.0	5	1.0	10	.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, 1985								
16...	1401	--	--	--	--	--	1.10	<.100
16...	1405	86	94	.40	.020	<.010	--	--
16...	1410	86	98	.60	.030	.020	--	--
MAY, 1986								
07...	1301	--	--	--	--	--	1.10	<.100
07...	1305	110	102	.40	.010	<.010	--	--
07...	1310	110	106	.60	.020	<.010	--	--
AUG								
07...	0936	--	--	--	--	--	5.90	.700
07...	0940	92	80	<.10	.010	<.010	--	--
07...	0945	120	120	.40	<.010	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

07053830 BULL SHOALS LAKE AT FORSYTH, MO.
(LAT 36 40 17 LONG 093 07 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, 1985									
11...	1115	80513	80513	.00	22.0	752	66	1.60	--
11...	1116	80513	80020	3.00	22.0	752	--	--	--
11...	1120	80513	80020	11.0	22.0	752	--	--	219
MAY, 1986									
12...	1230	80513	80010	.00	12.0	750	8	2.50	--
12...	1231	80513	80020	3.00	12.0	750	--	--	--
12...	1235	80513	80020	6.00	12.0	750	--	--	220
AUG									
06...	1450	80513	80020	.00	10.0	740	6	.97	--
06...	1451	80513	80020	3.00	10.0	740	--	--	--
06...	1455	80513	80020	5.00	10.0	740	--	--	227

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. 1985								
11...	1120	7.70	10.5	2.6	7	12.2	111	1.2
MAY, 1986								
12...	1235	7.90	11.5	1.0	3	11.0	103	.6
AUG								
06...	1455	7.80	19.0	7.0	5	8.5	94	1.6

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LITY 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. 1985								
11...	1116	--	--	--	--	--	1.00	<.100
11...	1120	110	102	.20	.020	.030	--	--
MAY, 1986								
12...	1231	--	--	--	--	--	2.30	.300
12...	1235	110	104	.70	.020	.010	--	--
AUG								
06...	1451	--	--	--	--	--	9.70	1.30
06...	1455	120	120	.50	.030	<.010	--	--

07054220 BULL SHOALS LAKE ON FOX CREEK NEAR MO.-ARK. STATE LINE
(LAT 36 30 05 LONG 093 03 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, 1985									
11...	0915	80513	80513	.00	54.0	752	23	2.20	--
11...	0916	80513	80020	3.00	54.0	752	--	--	--
11...	0920	80513	80020	27.0	54.0	752	--	--	220
MAY, 1986									
12...	1415	80513	80010	.00	48.0	750	0	2.29	--
12...	1416	80513	80020	3.00	48.0	750	--	--	--
12...	1420	80513	80020	24.0	48.0	750	--	--	251
AUG									
11...	1300	80513	80020	.00	40.0	750	1	2.30	--
11...	1301	80513	80020	3.00	40.0	750	--	--	--
11...	1305	80513	80020	20.0	40.0	750	--	--	226

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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. 1985								
11...	0920	7.40	10.0	1.7	5	10.8	97	1.2
MAY. 1986								
12...	1420	8.60	20.0	1.0	5	10.7	120	1.4
AUG								
11...	1305	8.30	27.5	1.1	5	6.3	81	1.6

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LITY 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. 1985								
11...	0916	--	--	--	--	--	1.80	<.100
11...	0920	110	100	.20	.020	.010	--	--
MAY. 1986								
12...	1416	--	--	--	--	--	2.50	.100
12...	1420	120	116	.30	.020	<.010	--	--
AUG								
11...	1301	--	--	--	--	--	8.70	1.20
11...	1305	110	98	<.10	.010	<.010	--	--

07054460 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. 1985									
10...	0815	80513	80513	.00	150	752	3	1.20	--
10...	0816	80513	80020	3.00	150	752	--	--	--
10...	0820	80513	80020	30.0	150	752	--	--	235
10...	0825	80513	80020	120	150	752	--	--	235
MAY. 1986									
13...	1115	80513	80020	.00	140	750	0	3.5	--
13...	1116	80513	80020	3.00	140	750	--	--	--
13...	1120	80513	80020	28.0	140	750	--	--	259
13...	1125	80513	80020	112	140	750	--	--	248
AUG									
12...	1515	80513	80020	.00	140	750	0	5.0	--
12...	1516	80513	80020	3.00	140	750	--	--	--
12...	1520	80513	80020	28.0	140	750	--	--	240
12...	1525	80513	80020	112	140	750	--	--	262

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. 1985								
10..	0820	7.60	11.5	7.0	10	8.3	77	.6
10...	0825	7.50	10.5	12	10	8.0	73	.6
MAY. 1986								
13...	1120	7.80	16.0	1.2	3	9.8	101	1.3
13...	1125	7.20	9.0	1.6	5	6.1	54	.7
AUG								
12..	1520	8.60	27.5	.60	5	8.3	107	1.0
12...	1525	7.30	13.0	3.3	5	1.0	10	.9

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

07054460 BULL SHOALS LAKE NEAR BUCK CREEK, ARK.--CONTINUED

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LITY 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, 1985								
10...	0816	--	--	--	--	--	.700	<.100
10...	0820	130	108	.30	.030	<.010	--	--
10...	0825	120	114	.50	.030	.020	--	--
MAY, 1986								
13...	1116	--	--	--	--	--	.200	<.100
13...	1120	200	190	.30	.010	<.010	--	--
13...	1125	130	122	.50	.010	<.010	--	--
AUG								
12...	1516	--	--	--	--	--	2.50	.200
12...	1520	120	108	<.10	.010	<.010	--	--
12...	1525	130	124	.60	.020	<.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 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, 1985									
10...	1015	80513	80020	.00	85.0	752	243	7.30	12.5
10...	1016	80513	80020	3.00	85.0	752	244	7.40	12.5
10...	1020	80513	80020	7.00	85.0	752	243	7.40	12.5
10...	1022	80513	80020	10.0	85.0	752	243	7.50	12.5
10...	1024	80513	80020	20.0	85.0	752	244	7.50	12.5
10...	1026	80513	80020	30.0	85.0	752	243	7.50	12.5
10...	1028	80513	80020	40.0	85.0	752	243	7.50	12.5
10...	1030	80513	80020	50.0	85.0	752	244	7.50	12.5
10...	1032	80513	80020	60.0	85.0	752	242	7.50	12.5
10...	1035	80513	80020	68.0	85.0	752	242	7.50	12.5
10...	1037	80513	80020	70.0	85.0	752	242	7.50	12.5
10...	1038	80513	80020	80.0	85.0	752	243	7.50	12.5
10...	1040	80513	80020	85.0	85.0	752	243	7.50	12.5

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	TRANS- PAR- ENCY (SECCHI DISK) (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)
DEC, 1985									
10...	1015	7.6	72	1.80	2	--	--	--	--
10...	1016	7.4	70	--	--	--	--	--	--
10...	1020	7.4	70	--	--	2.1	5	.6	10
10...	1022	7.2	69	--	--	--	--	--	--
10...	1024	7.2	69	--	--	--	--	--	--
10...	1026	7.1	68	--	--	--	--	--	--
10...	1028	7.1	68	--	--	--	--	--	--
10...	1030	7.1	68	--	--	--	--	--	--
10...	1032	7.0	67	--	--	--	--	--	--
10...	1035	7.1	68	--	--	2.2	7	.6	10
10...	1037	7.1	68	--	--	--	--	--	--
10...	1038	7.0	67	--	--	--	--	--	--
10...	1040	6.9	66	--	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

07054471 BULL SHOALS BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (FISH PENS)--CONTINUED

		HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LINEITY 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)	
DATE	TIME								
DEC. 1985									
10...	1016	--	--	--	--	--	.400	<.100	
10...	1020	120	120	.30	.010	<.010	--	--	
10...	1035	120	116	.30	.020	<.010	--	--	
		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)
DATE	TIME								
MAY, 1986									
13...	0900	80513	80020	.00	80.0	750	0	4.7	241
13...	0901	80513	80020	3.00	80.0	750	--	--	242
13...	0902	80513	80020	10.0	80.0	750	--	--	243
13...	0905	80513	80020	16.0	80.0	750	--	--	246
13...	0907	80513	80020	20.0	80.0	750	--	--	246
13...	0908	80513	80020	30.0	80.0	750	--	--	250
13...	0910	80513	80020	32.0	80.0	750	--	--	248
13...	0912	80513	80020	35.0	80.0	750	--	--	250
13...	0914	80513	80020	40.0	80.0	750	--	--	250
13...	0916	80513	80020	50.0	80.0	750	--	--	249
13...	0918	80513	80020	60.0	80.0	750	--	--	247
13...	0920	80513	80020	64.0	80.0	750	--	--	247
13...	0922	80513	80020	70.0	80.0	750	--	--	247
13...	0925	80513	80020	80.0	80.0	750	--	--	248
		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)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)
DATE	TIME								
MAY, 1986									
13...	0900	8.20	21.0	--	--	10.3	118	--	--
13...	0901	8.20	21.0	--	--	10.3	118	--	--
13...	0902	8.20	21.0	--	--	10.2	116	--	--
13...	0905	8.20	19.0	1.0	1	10.4	114	.6	10
13...	0907	8.20	19.0	--	--	10.4	114	--	--
13...	0908	8.10	17.0	--	--	9.1	96	--	--
13...	0910	7.80	15.5	--	--	7.9	81	--	--
13...	0912	7.80	15.0	--	--	7.5	76	--	--
13...	0914	7.70	14.5	--	--	7.1	71	--	--
13...	0916	7.50	13.0	--	--	5.5	53	--	--
13...	0918	7.40	12.0	--	--	4.0	38	--	--
13...	0920	7.30	11.5	1.0	1	2.5	23	.6	<10
13...	0922	7.20	11.0	--	--	1.5	14	--	--
13...	0925	7.00	10.0	--	--	.3	3	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	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)
MAY, 1986									
13...	0901	--	--	--	--	--	--	2.50	<.100
13...	0905	120	124	4.5	.10	.010	<.010	--	--
13...	0920	120	116	4.7	.30	.020	<.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)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	TRANS- PAR- ENCY (SECCHI DISK) (00078)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)
AUG, 1986									
12...	1230	80513	80020	.00	75.0	750	74	3.4	245
12...	1231	80513	80020	3.00	75.0	750	--	--	244
12...	1232	80513	80020	10.0	75.0	750	--	--	243
12...	1234	80513	80020	15.0	75.0	750	--	--	243
12...	1236	80513	80020	20.0	75.0	750	--	--	245
12...	1238	80513	80020	29.0	75.0	750	--	--	259
12...	1240	80513	80020	30.0	75.0	750	--	--	260
12...	1242	80513	80020	31.0	75.0	750	--	--	269
12...	1244	80513	80020	33.0	75.0	750	--	--	272
12...	1246	80513	80020	35.0	75.0	750	--	--	272
12...	1248	80513	80020	40.0	75.0	750	--	--	273
12...	1250	80513	80020	45.0	75.0	750	--	--	273
12...	1252	80513	80020	50.0	75.0	750	--	--	274
12...	1254	80513	80020	60.0	75.0	750	--	--	277
12...	1256	80513	80020	70.0	75.0	750	--	--	283
12...	1258	80513	80020	75.0	75.0	750	--	--	306
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)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)
AUG, 1986									
12...	1230	8.50	27.5	--	--	7.4	95	--	--
12...	1231	8.50	27.5	--	--	7.3	94	--	--
12...	1232	8.60	27.5	--	--	7.7	99	--	--
12...	1234	8.60	27.5	1.0	5	7.8	101	.7	15
12...	1236	8.50	27.5	--	--	7.0	90	--	--
12...	1238	8.00	25.0	--	--	5.0	62	--	--
12...	1240	7.90	24.5	--	--	4.7	57	--	--
12...	1242	7.70	23.0	--	--	4.5	53	--	--
12...	1244	7.50	21.5	--	--	1.8	21	--	--
12...	1246	7.40	20.5	--	--	.9	10	--	--
12...	1248	7.40	19.0	--	--	.5	5	--	--
12...	1250	7.40	18.0	--	--	.5	5	--	--
12...	1252	7.30	17.5	--	--	.5	5	--	--
12...	1254	7.30	16.5	1.5	5	.5	5	1.3	24
12...	1256	7.10	15.5	--	--	.5	5	--	--
12...	1258	6.70	14.5	--	--	.5	5	--	--
DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LINITY FIELD (MG/L AS CACO3) (00410)	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)
AUG, 1986									
12...	1231	--	--	--	--	--	--	3.30	.300
12...	1234	140	122	4.1	<.10	.030	.010	--	--
12...	1254	140	132	4.3	<.10	.070	.060	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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 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, 1985									
10...	0915	80513	80020	.00	90.0	752	1	1.80	243
10...	0916	80513	80020	3.00	90.0	752	--	--	244
10...	0918	80513	80020	10.0	90.0	752	--	--	244
10...	0920	80513	80020	18.0	90.0	752	--	--	244
10...	0922	80513	80020	20.0	90.0	752	--	--	243
10...	0924	80513	80020	30.0	90.0	752	--	--	243
10...	0926	80513	80020	40.0	90.0	752	--	--	243
10...	0930	80513	80020	50.0	90.0	752	--	--	244
10...	0932	80513	80020	60.0	90.0	752	--	--	243
10...	0933	80513	80020	70.0	90.0	752	--	--	243
10...	0935	80513	80020	72.0	90.0	752	--	--	243
10...	0937	80513	80020	80.0	90.0	752	--	--	243
10...	0940	80513	80020	90.0	90.0	752	--	--	244

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, 1985								
10...	0915	7.60	12.5	--	--	7.6	72	--
10...	0916	7.50	12.5	--	--	7.4	70	--
10...	0918	7.50	12.5	--	--	7.4	70	--
10...	0920	7.50	12.5	2.5	5	7.3	69	.8
10...	0922	7.60	12.5	--	--	7.3	69	--
10...	0924	7.50	12.5	--	--	7.3	69	--
10...	0926	7.50	12.5	--	--	7.2	69	--
10...	0930	7.50	12.5	--	--	7.1	68	--
10...	0932	7.50	12.5	--	--	7.2	69	--
10...	0933	7.60	12.5	--	--	7.2	69	--
10...	0935	7.60	12.5	1.8	7	7.2	69	.4
10...	0937	7.60	12.0	--	--	7.2	68	--
10...	0940	7.60	12.0	--	--	7.2	68	--

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LITY 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, 1985								
10...	0916	--	--	--	--	--	.600	<.100
10...	0920	120	114	.30	.030	<.010	--	--
10...	0935	120	118	.30	.020	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	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)
MAY, 1986									
13...	0930	80513	80020	.00	85.0	750	0	4.1	242
13...	0931	80513	80020	3.00	85.0	750	--	--	242
13...	0932	80513	80020	10.0	85.0	750	--	--	243
13...	0935	80513	80020	17.0	85.0	750	--	--	245
13...	0936	80513	80020	20.0	85.0	750	--	--	246
13...	0938	80513	80020	30.0	85.0	750	--	--	250
13...	0940	80513	80020	32.0	85.0	750	--	--	251
13...	0942	80513	80020	35.0	85.0	750	--	--	250
13...	0944	80513	80020	40.0	85.0	750	--	--	249
13...	0946	80513	80020	50.0	85.0	750	--	--	249
13...	0948	80513	80020	60.0	85.0	750	--	--	248
13...	0950	80513	80020	68.0	85.0	750	--	--	248
13...	0952	80513	80020	70.0	85.0	750	--	--	245
13...	0954	80513	80020	80.0	85.0	750	--	--	247
13...	0955	80513	80020	85.0	85.0	750	--	--	246

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)
MAY, 1986								
13...	0930	8.30	21.5	--	--	10.3	119	--
13...	0931	8.30	21.5	--	--	10.2	118	--
13...	0932	8.30	21.0	--	--	10.3	118	--
13...	0935	8.30	19.0	1.0	5	11.0	121	1.0
13...	0936	8.30	18.5	--	--	10.6	115	--
13...	0938	8.00	16.5	--	--	8.6	90	--
13...	0940	7.80	15.5	--	--	7.9	81	--
13...	0942	7.80	15.0	--	--	7.6	77	--
13...	0944	7.70	14.0	--	--	6.9	68	--
13...	0946	7.50	13.0	--	--	5.7	55	--
13...	0948	7.30	12.0	--	--	4.5	42	--
13...	0950	7.30	11.5	1.0	2	3.6	34	.4
13...	0952	7.20	11.0	--	--	2.1	19	--
13...	0954	7.10	10.5	--	--	.4	4	--
13...	0955	7.00	10.5	--	--	.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)
MAY, 1986								
13...	0931	--	--	--	--	--	1.60	<.100
13...	0935	120	122	.10	.010	<.010	--	--
13...	0950	120	114	.30	.020	<.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)	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)
AUG. 1986									
12...	1305	80513	80020	.00	80.0	750	42	3.4	242
12...	1306	80513	80020	3.00	80.0	750	--	--	242
12...	1308	80513	80020	10.0	80.0	750	--	--	242
12...	1310	80513	80020	16.0	80.0	750	--	--	243
12...	1312	80513	80020	20.0	80.0	750	--	--	243
12...	1314	80513	80020	29.0	80.0	750	--	--	256
12...	1316	80513	80020	30.0	80.0	750	--	--	261
12...	1318	80513	80020	31.0	80.0	750	--	--	264
12...	1320	80513	80020	32.0	80.0	750	--	--	268
12...	1322	80513	80020	33.0	80.0	750	--	--	270
12...	1324	80513	80020	35.0	80.0	750	--	--	272
12...	1326	80513	80020	40.0	80.0	750	--	--	274
12...	1328	80513	80020	45.0	80.0	750	--	--	273
12...	1330	80513	80020	50.0	80.0	750	--	--	272
12...	1332	80513	80020	60.0	80.0	750	--	--	274
12...	1334	80513	80020	64.0	80.0	750	--	--	274
12...	1336	80513	80020	70.0	80.0	750	--	--	280
12...	1338	80513	80020	80.0	80.0	750	--	--	290

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)
AUG. 1986								
12...	1305	8.60	28.0	--	--	8.3	108	--
12...	1306	8.60	28.0	--	--	8.1	105	--
12...	1308	8.60	27.5	--	--	8.0	103	--
12...	1310	8.60	27.5	.70	5	7.9	102	.9
12...	1312	8.50	27.5	--	--	7.7	99	--
12...	1314	8.00	25.5	--	--	5.4	67	--
12...	1316	7.80	24.5	--	--	5.4	66	--
12...	1318	7.80	24.0	--	--	5.2	63	--
12...	1320	7.60	22.5	--	--	3.9	46	--
12...	1322	7.50	21.5	--	--	2.6	30	--
12...	1324	7.40	20.5	--	--	1.2	14	--
12...	1326	7.30	19.0	--	--	.5	5	--
12...	1328	7.30	18.5	--	--	.5	5	--
12...	1330	7.30	17.5	--	--	.4	4	--
12...	1332	7.20	16.5	--	--	.5	5	--
12...	1334	7.20	16.0	1.6	5	.5	5	1.5
12...	1336	7.10	15.5	--	--	.4	4	--
12...	1338	6.90	15.0	--	--	.5	5	--

DATE	TIME	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LINITY FIELD (MG/L AS CAC03) (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. 1986								
12...	1306	--	--	--	--	--	2.70	.300
12...	1310	120	114	<.10	<.010	<.010	--	--
12...	1334	140	138	<.10	.080	.060	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

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)	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, 1985									
10...	1100	80513	80020	.00	150	752	1	2.00	243
10...	1101	80513	80020	3.00	150	752	--	--	243
10...	1101	80513	80020	3.00	150	752	--	--	--
10...	1102	80513	80020	10.0	150	752	--	--	243
10...	1103	80513	80020	20.0	150	752	--	--	243
10...	1105	80513	80020	30.0	150	752	--	--	243
10...	1107	80513	80020	40.0	150	752	--	--	243
10...	1110	80513	80020	50.0	150	752	--	--	243
10...	1112	80513	80020	60.0	150	752	--	--	243
10...	1114	80513	80020	70.0	150	752	--	--	243
10...	1116	80513	80020	80.0	150	752	--	--	244
10...	1118	80513	80020	90.0	150	752	--	--	244
10...	1120	80513	80020	100	150	752	--	--	245
10...	1122	80513	80020	110	150	752	--	--	244
10...	1125	80513	80020	120	150	752	--	--	243
10...	1127	80513	80020	130	150	752	--	--	244
10...	1130	80513	80020	140	150	752	--	--	244
10...	1135	80513	80020	150	150	752	--	--	244

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)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)
DEC, 1985									
10...	1100	7.00	12.5	--	--	7.5	71	--	--
10...	1101	7.00	12.5	--	--	7.2	69	--	--
10...	1102	7.10	12.5	--	--	7.2	69	--	--
10...	1103	7.20	12.5	--	--	7.2	69	--	--
10...	1105	7.20	12.5	2.0	5	7.2	69	.4	<10
10...	1107	7.20	12.5	--	--	7.1	68	--	--
10...	1110	7.20	12.5	--	--	7.0	67	--	--
10...	1112	7.30	12.0	--	--	6.7	63	--	--
10...	1114	7.30	12.0	--	--	6.7	63	--	--
10...	1116	7.30	12.0	--	--	6.1	57	--	--
10...	1118	7.30	12.0	--	--	6.0	56	--	--
10...	1120	7.30	12.0	--	--	5.9	56	--	--
10...	1122	7.30	12.0	--	--	5.6	53	--	--
10...	1125	7.40	12.0	2.7	5	7.1	67	.4	10
10...	1127	7.50	12.0	--	--	7.2	68	--	--
10...	1130	7.40	12.0	--	--	6.2	58	--	--
10...	1135	7.40	12.0	--	--	5.8	55	--	--

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LITY 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, 1985								
10 ..	1101	--	--	--	--	--	.600	<.100
10...	1101	--	--	--	--	--	.600	<.100
10...	1105	120	106	.30	.020	<.010	--	--
10...	1125	120	118	.30	.010	<.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (MOUTH)--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)	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)
MAY, 1986									
13...	1030	80513	80020	.00	150	750	0	5.6	243
13...	1031	80513	80020	3.00	150	750	--	--	244
13...	1032	80513	80020	10.0	150	750	--	--	243
13...	1034	80513	80020	20.0	150	750	--	--	246
13...	1035	80513	80020	30.0	150	750	--	--	248
13...	1036	80513	80020	40.0	150	750	--	--	251
13...	1038	80513	80020	50.0	150	750	--	--	257
13...	1040	80513	80020	60.0	150	750	--	--	254
13...	1042	80513	80020	70.0	150	750	--	--	252
13...	1044	80513	80020	80.0	150	750	--	--	250
13...	1046	80513	80020	90.0	150	750	--	--	238
13...	1048	80513	80020	100	150	750	--	--	235
13...	1050	80513	80020	110	150	750	--	--	232
13...	1055	80513	80020	120	150	750	--	--	233
13...	1056	80513	80020	130	150	750	--	--	233
13...	1058	80513	80020	140	150	750	--	--	233
13...	1100	80513	80020	150	150	750	--	--	234

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)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)
MAY, 1986									
13...	1030	8.30	21.5	--	--	10.0	115	--	--
13...	1031	8.30	21.5	--	--	10.0	115	--	--
13...	1032	8.40	21.0	--	--	10.3	118	--	--
13...	1034	8.30	18.5	--	--	10.5	114	--	--
13...	1035	8.00	17.0	1.2	1	8.9	94	.8	<10
13...	1036	7.80	15.0	--	--	8.1	82	--	--
13...	1038	7.70	13.5	--	--	7.9	77	--	--
13...	1040	7.50	12.5	--	--	7.6	73	--	--
13...	1042	7.50	11.5	--	--	7.4	69	--	--
13...	1044	7.40	10.5	--	--	7.2	66	--	--
13...	1046	7.40	9.5	--	--	7.5	67	--	--
13...	1048	7.40	8.5	--	--	7.6	66	--	--
13...	1050	7.40	8.0	--	--	7.2	62	--	--
13...	1055	7.30	8.0	1.0	1	6.6	57	.6	13
13...	1056	7.30	8.0	--	--	6.1	52	--	--
13...	1058	7.30	8.0	--	--	5.6	48	--	--
13...	1100	7.20	7.5	--	--	5.2	44	--	--

DATE	TIME	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LITY FIELD (MG/L AS CAC03) (00410)	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)
MAY, 1986									
13...	1031	--	--	--	--	--	--	.700	<.100
13...	1035	130	124	4.4	.20	<.010	<.010	--	--
13...	1055	120	120	4.6	.40	.020	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (MOUTH)--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)	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)
AUG, 1986									
12...	1400	80513	80020	.00	130	750	7	3.4	243
12...	1401	80513	80020	3.00	130	750	--	--	243
12...	1402	80513	80020	10.0	130	750	--	--	243
12...	1404	80513	80020	20.0	130	750	--	--	242
12...	1406	80513	80020	28.0	130	750	--	--	242
12...	1408	80513	80020	30.0	130	750	--	--	244
12..	1410	80513	80020	35.0	130	750	--	--	251
12...	1412	80513	80020	36.0	130	750	--	--	263
12...	1414	80513	80020	37.0	130	750	--	--	267
12...	1416	80513	80020	40.0	130	750	--	--	268
12...	1418	80513	80020	45.0	130	750	--	--	250
12...	1420	80513	80020	50.0	130	750	--	--	253
12...	1422	80513	80020	60.0	130	750	--	--	258
12...	1424	80513	80020	70.0	130	750	--	--	260
12...	1426	80513	80020	80.0	130	750	--	--	256
12...	1428	80513	80020	90.0	130	750	--	--	255
12...	1430	80513	80020	100	130	750	--	--	253
12...	1432	80513	80020	110	130	750	--	--	255
12...	1434	80513	80020	112	130	750	--	--	255
12...	1436	80513	80020	120	130	750	--	--	257
12...	1438	80513	80020	130	130	750	--	--	258

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)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)
AUG, 1986									
12...	1400	8.60	28.0	--	--	8.0	104	--	--
12...	1401	8.60	28.0	--	--	8.0	104	--	--
12...	1402	8.60	28.0	--	--	8.0	104	--	--
12...	1404	8.60	27.5	--	--	8.0	103	--	--
12...	1406	8.50	27.5	.50	5	7.7	99	1.1	16
12...	1408	8.40	27.0	--	--	7.8	100	--	--
12...	1410	8.40	27.0	--	--	7.6	97	--	--
12...	1412	8.00	23.5	--	--	7.4	89	--	--
12...	1414	7.80	22.0	--	--	6.1	71	--	--
12...	1416	7.60	21.0	--	--	4.1	47	--	--
12...	1418	7.40	18.0	--	--	2.3	25	--	--
12...	1420	7.30	17.5	--	--	2.2	23	--	--
12..	1422	7.30	16.5	--	--	2.2	23	--	--
12...	1424	7.30	15.5	--	--	2.6	27	--	--
12...	1426	7.40	14.5	--	--	3.6	36	--	--
12...	1428	7.40	13.5	--	--	4.1	40	--	--
12...	1430	7.40	13.0	--	--	4.2	41	--	--
12...	1432	7.40	12.5	--	--	3.4	32	--	--
12...	1434	7.40	12.5	1.4	5	3.4	32	.9	10
12...	1436	7.40	12.0	--	--	2.2	21	--	--
12...	1438	7.40	11.5	--	--	1.4	13	--	--

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LINITY FIELD (MG/L AS CACO3) (00410)	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)
AUG, 1986									
12..	1401	--	--	--	--	--	--	2.00	.200
12...	1406	120	120	4.0	<.10	.010	<.010	--	--
12...	1434	120	114	4.5	.60	.010	<.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

07054478 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- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)
DEC, 1985												
10...	1215	80513	80513	0.0	46.0	752	10	0.73	--	--	--	-
10...	1216	80513	80020	3.00	46.0	752	--	--	--	--	--	-
10...	1220	80513	80020	23.0	46.0	752	--	--	256	7.30	11.0	1.3
MAY, 1986												
14...	1000	80513	80010	0.0	32.0	749	0	--	--	--	--	-
14...	1001	80513	80020	3.00	32.0	749	--	--	--	--	--	-
14...	1005	80513	80020	16.0	32.0	749	--	--	362	7.90	19.0	1.1
AUG												
14...	0840	80513	80020	0.0	30.0	748	4	1.80	--	--	--	-
14...	0841	80513	80020	3.00	30.0	748	--	--	--	--	--	-
14...	0845	80513	80020	15.0	30.0	748	--	--	294	8.50	27.5	1.0
DATE	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 CAC03) (00900)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CAC03 (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, 1985												
10...	--	--	--	--	--	--	--	--	--	5.10	0.30	
10...	10	8.8	81	0.5	130	124	0.30	0.03	<0.01	--	--	
MAY 1986												
14...	--	--	--	--	--	--	--	--	--	2.00	<0.10	
14...	5	6.3	69	1.3	200	190	0.10	0.02	<0.01	--	--	
AUG												
14...	--	--	--	--	--	--	--	--	--	12.0	1.30	
14...	5	7.9	102	1.4	150	154	<0.10	0.01	<0.01	--	--	

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

07054486 BULL SHOALS LAKE ABOVE PINE BRANCH AT INDIAN POINT, ARK.
(LAT 36 28 30 LONG 092 37 44)

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. 1985									
10...	1300	80513	80513	.00	160	751	0	2.20	--
10...	1301	80513	80020	3.00	160	751	--	--	--
10...	1305	80513	80020	32.0	160	751	--	--	246
10...	1310	80513	80020	128	160	751	--	--	266
MAY, 1986									
13...	0815	80513	80513	.00	154	750	0	5.0	--
13...	0816	80513	80020	3.00	154	750	--	--	--
13...	0820	80513	80020	30.0	154	750	--	--	249
13...	0825	80513	80020	120	154	750	--	--	256
AUG									
12...	1145	80513	80020	.00	150	750	0	5.0	--
12...	1146	80513	80020	3.00	150	750	--	--	--
12...	1150	80513	80020	30.0	150	750	--	--	265
12...	1155	80513	80020	120	150	750	--	--	286

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. 1985								
10...	1305	7.60	12.5	2.2	5	8.0	76	.5
10...	1310	7.60	11.0	13	10	7.8	72	.4
MAY, 1986								
13...	0820	8.40	16.0	1.0	1	9.4	97	.6
13...	0825	7.80	8.0	1.0	1	7.3	63	.4
AUG								
12...	1150	8.60	27.5	.50	5	7.0	90	1.2
12...	1155	7.40	11.5	1.2	5	1.3	12	.8

DATE	TIME	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LINEITY FIELD (MG/L AS CAC03) (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. 1985								
10...	1301	--	--	.30	.010	--	.500	<.100
10...	1305	130	120	.30	.010	--	--	--
10...	1310	140	118	.30	.020	<.010	--	--
MAY, 1986								
13...	0816	--	--	--	--	--	1.40	<.100
13...	0820	130	120	.20	.010	<.010	--	--
13...	0825	130	130	.40	<.010	<.010	--	--
AUG								
12...	1146	--	--	--	--	--	1.80	.200
12...	1150	130	116	<.10	.010	<.010	--	--
12...	1155	150	116	.40	.010	<.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

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, 1985									
10...	1600	80513	80513	.00	140	751	1	2.50	--
10...	1601	80513	80020	3.00	140	751	--	--	--
10...	1605	80513	80020	28.0	140	751	--	--	254
10...	1610	80513	80020	112	140	751	--	--	252
MAY, 1986									
14...	0845	80513	80020	.00	135	749	0	5.6	--
14...	0846	80513	80020	3.00	135	749	--	--	--
14...	0850	80513	80020	27.0	135	749	--	--	244
14...	0855	80513	80020	108	135	749	--	--	238
AUG									
12...	0945	80513	80020	.00	135	751	0	5.3	--
12...	0946	80513	80020	3.00	135	751	--	--	--
12...	0950	80513	80020	27.0	135	751	--	--	240
12...	0955	80513	80020	108	135	751	--	--	261

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, 1985								
10...	1605	7.70	12.5	1.1	5	8.7	83	.6
10...	1610	7.70	12.0	1.7	5	8.5	80	.2
MAY, 1986								
14...	0850	8.20	17.0	1.0	5	9.8	103	.8
14...	0855	7.50	8.5	1.0	5	7.0	61	.8
AUG								
12...	0950	8.50	27.0	.70	5	7.5	96	1.0
12...	0955	7.50	12.0	14	5	1.8	17	.9

DATE	TIME	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LITY FIELD (MG/L AS CAC03) (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, 1985								
10...	1601	--	--	--	--	--	1.80	<.100
10...	1605	130	120	.10	.010	<.010	--	--
10...	1610	130	110	.10	.010	<.010	--	--
MAY, 1986								
14...	0846	--	--	--	--	--	1.00	<.100
14...	0850	120	124	.20	<.010	<.010	--	--
14...	0855	130	118	.40	<.010	<.010	--	--
AUG								
12...	0946	--	--	--	--	--	2.00	.200
12...	0950	120	116	<.10	.010	<.010	--	--
12...	0955	130	138	.40	.030	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

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, 1985									
10...	1530	80513	80513	.00	160	752	5	3.1	--
10...	1531	80513	80020	3.00	160	752	--	--	--
10...	1535	80513	80020	32.0	160	752	--	--	251
10...	1540	80513	80020	128	160	752	--	--	250
MAY, 1986									
14...	0800	80513	80513	.00	160	749	0	5.6	--
14...	0801	80513	80020	3.00	160	749	--	--	--
14...	0805	80513	80020	32.0	160	749	--	--	240
14...	0810	80513	80020	128	160	749	--	--	238
AUG									
12...	0910	80513	80020	.00	150	751	1	4.6	--
12...	0911	80513	80020	3.00	150	751	--	--	--
12...	0915	80513	80020	30.0	150	751	--	--	236
12...	0920	80513	80020	120	150	751	--	--	260

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 1985								
10...	1535	7.60	12.5	1.1	5	8.2	78	.4
10...	1540	7.60	12.0	4.7	5	7.8	73	.5
MAY, 1986								
14 ..	0805	8.40	16.0	1.0	10	11.3	117	.8
14...	0810	7.80	8.0	1.0	5	12.3	105	.8
AUG								
12...	0915	8.60	27.0	.60	5	8.4	107	.9
12...	0920	7.50	11.0	1.4	5	2.6	24	.6

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LITY 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 1985								
10...	1531	--	--	--	--	--	2.40	<.100
10...	1535	130	112	.20	.010	<.010	--	--
10...	1540	130	108	.20	.020	<.010	--	--
MAY, 1986								
14...	0801	--	--	--	--	--	.400	<.100
14...	0805	120	124	.20	.010	<.010	--	--
14...	0810	120	116	.40	<.010	<.010	--	--
AUG								
12...	0911	--	--	--	--	--	2.10	.100
12...	0915	120	114	<.10	<.010	<.010	--	--
12...	0920	130	122	.50	<.010	<.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN-CONTINUED

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, 1985									
05...	0900	80513	80513	.00	25.0	757	120	2.70	--
05...	0901	80513	80020	3.00	25.0	757	--	--	--
05...	0905	80513	80020	5.00	25.0	757	--	--	305
05...	0910	80513	80020	20.0	25.0	757	--	--	311
MAY, 1986									
14...	1100	80513	80020	.00	10.0	750	140	1.98	--
14...	1105	80513	80020	3.00	10.0	750	--	--	369
14...	1110	80513	80020	8.00	10.0	750	--	--	369
AUG									
13...	0940	80513	80020	.00	12.0	750	8	2.00	--
13...	0945	80513	80020	3.00	12.0	750	--	--	398
13...	0950	80513	80020	9.00	12.0	750	--	--	399

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. 1985								
05..	0905	8.00	8.0	2.7	5	11.3	96	.4
05...	0910	8.00	8.0	1.6	7	11.1	94	.6
MAY, 1986								
14...	1105	7.70	19.0	.90	5	8.8	97	1.0
14...	1110	7.70	19.0	1.0	5	8.5	93	.8
AUG								
13...	0945	8.10	20.5	1.5	5	8.2	93	1.1
13...	0950	8.10	20.5	1.9	5	8.1	92	.6

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LITY 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. 1985								
05...	0901	--	--	--	--	--	<.100	<.100
05...	0905	170	160	.80	.010	<.010	--	--
05...	0910	170	154	.80	.010	<.010	--	--
MAY 1986								
14 .	1105	200	196	.30	<.010	<.010	1.70	<.100
14...	1110	200	196	.40	.010	<.010	--	--
AUG								
13..	0945	220	210	.40	.020	.020	1.30	.100
13...	0950	220	190	.40	<.010	<.010	--	--

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, 1985									
05...	0830	80513	80513	.00	30.0	758	K200	2.10	--
05...	0831	80513	80020	3.00	30.0	758	--	--	--
05...	0835	80513	80020	15.0	30.0	758	--	--	393
MAY, 1986									
14...	1130	80513	80020	.00	12.0	752	9	1.16	--
14...	1131	80513	80020	3.00	12.0	752	--	--	--
14...	1135	80513	80020	6.00	12.0	752	--	--	376
AUG									
13...	1000	80513	80020	.00	14.0	750	2	1.20	--
13...	1001	80513	80020	3.00	14.0	750	--	--	--
13...	1005	80513	80020	7.00	14.0	750	--	--	424

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

07058600 NORFORK LAKE NEAR UDALL, 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, 1985								
05...	0835	8.20	6.5	2.1	7	11.6	95	.6
MAY, 1986								
14...	1135	8.00	21.0	1.8	5	9.3	106	1.2
AUG								
13...	1005	8.50	26.5	2.3	5	7.8	99	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, 1985								
05...	0831	--	--	--	--	--	<.100	<.100
05...	0835	210	198	.60	.010	<.010	--	--
MAY, 1986								
14...	1131	--	--	--	--	--	7.50	.400
14...	1135	240	236	.30	<.010	<.010	--	--
AUG								
13...	1001	--	--	--	--	--	19.0	1.70
13...	1005	200	236	<.10	.030	<.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)	PH (STAND- ARD UNITS) (00400)
DEC, 1985										
05...	1300	80513	80513	.00	74.0	759	27	.61	--	--
05...	1301	80513	80020	3.00	74.0	759	--	--	--	--
05...	1305	80513	80020	15.0	74.0	759	--	--	254	7.90
05...	1310	80513	80020	60.0	74.0	759	--	--	246	7.80
MAY, 1986										
15...	0730	80513	80020	.00	60.0	750	5	2.59	--	--
15...	0731	80513	80020	3.00	60.0	750	--	--	--	--
15...	0735	80513	80020	12.0	60.0	750	--	--	341	8.80
15...	0740	80513	80020	48.0	60.0	750	--	--	359	7.90
AUG										
13...	1300	80513	80020	.00	55.0	750	0	3.9	--	--
13...	1301	80513	80020	3.00	55.0	750	--	--	--	--
13...	1305	80513	80020	11.0	55.0	750	--	--	313	8.50
13...	1310	80513	80020	44.0	55.0	750	--	--	373	7.40

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)
DEC, 1985									
05...	1305	11.0	16	30	9.1	83	1.4	140	130
05...	1310	10.5	18	30	8.3	75	1.0	130	132
MAY, 1986									
15...	0735	21.5	.70	5	9.5	110	1.0	190	174
15...	0740	13.5	1.3	5	4.9	48	1.0	200	182
AUG									
13...	1305	28.0	1.1	5	7.7	100	1.3	170	174
13...	1310	21.5	2.8	5	.8	9	1.2	200	224

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

07058700 NORFORK LAKE ON PIGEON CREEK NEAR MOUNTAIN HOME, ARK.--CONTINUED

DATE	TIME	NITRO- GEN, NO2+NO3 (MG/L AS N) (00630)	NITRO- GEN, AMMONIA (MG/L AS N) (00610)	NITRO- GEN, ORGANIC (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC (MG/L AS N) (00625)	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, 1985									
05...	1301	--	--	--	--	--	--	1.00	<.100
05...	1305	.20	--	--	--	.030	.010	--	--
05...	1310	.20	--	--	--	.030	.010	--	--
MAY, 1986									
15...	0731	--	--	--	--	--	--	1.50	<.100
15...	0735	.20	--	--	--	<.010	<.010	--	--
15...	0740	.40	--	--	--	.010	<.010	--	--
AUG									
13...	1301	--	--	--	--	--	--	4.10	.300
13...	1305	<.10	--	--	--	.020	<.010	--	--
13...	1310	<.10	.270	.23	.50	.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 HG) (00025)	COLI- FORM, FECAL, 0.7 UM-MF OF (COLS./ 100 ML) (31625)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)
DEC, 1985									
05...	1100	80513	80513	.00	135	759	13	1.10	--
05...	1101	80513	80020	3.00	135	759	--	--	--
05...	1105	80513	80020	27.0	135	759	--	--	286
05...	1110	80513	80020	108	135	759	--	--	273
MAY, 1986									
15...	0900	80513	80020	.00	125	752	3	3.5	--
15...	0901	80513	80020	3.00	125	752	--	--	--
15...	0905	80513	80020	25.0	125	752	--	--	360
15...	0910	80513	80020	100	125	752	--	--	358
AUG									
13...	1230	80513	80020	.00	120	750	0	4.4	--
13...	1231	80513	80020	3.00	120	750	--	--	--
13...	1235	80513	80020	24.0	120	750	--	--	307
13...	1240	80513	80020	96.0	120	750	--	--	345

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 (PER- CENT SATUR- ATION) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
DEC, 1985							
05...	1105	8.00	12.5	7.2	5	9.2	87
05...	1110	8.00	12.0	17	10	8.3	77
MAY, 1986							
15...	0905	8.20	21.5	1.1	5	9.1	105
15...	0910	7.90	21.5	2.2	5	8.1	93
AUG							
13...	1235	8.60	28.0	.40	5	7.9	103
13...	1240	7.5	11.0	2.0	5	1.1	10

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, 1985								
05...	1101	--	--	--	--	--	.800	<.100
05...	1105	150	148	.20	.020	<.010	--	--
05...	1110	150	140	.30	.020	.010	--	--
MAY, 1986								
15...	0901	--	--	--	--	--	2.70	.200
15...	0905	180	166	.20	<.010	<.010	--	--
15...	0910	170	150	.30	<.010	<.010	--	--
AUG								
13...	1231	--	--	--	--	--	3.90	.500
13...	1235	170	170	<.10	<.010	<.010	--	--
13...	1240	180	186	.20	.010	<.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

07059095 NORFORK LAKE ON FALL CREEK, ARK.
(LAT 36 20 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, 1985									
05...	1200	80513	80513	.00	35.0	758	5	1.60	--
05...	1201	80513	80020	3.00	35.0	758	--	--	--
05...	1205	80513	80020	18.0	34.0	758	--	--	293
MAY, 1986									
15...	1120	80513	80020	.00	20.0	750	0	2.28	--
15...	1121	80513	80020	3.00	20.0	750	--	--	--
15...	1125	80513	80020	10.0	20.0	750	--	--	333
AUG									
13...	1150	80513	80020	.00	18.0	750	0	2.10	--
13...	1151	80513	80020	3.00	18.0	750	--	--	--
13...	1155	80513	80020	9.00	18.0	750	--	--	300

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, 1985								
05...	1205	8.00	12.0	3.0	10	9.2	86	1.0
MAY, 1986								
15...	1125	7.70	22.0	1.0	5	9.8	114	1.5
AUG								
13...	1155	8.60	28.5	.80	5	7.6	100	1.2

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LINIT 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, 1985								
05...	1201	--	--	--	--	--	2.30	<.100
05...	1205	160	146	.20	.020	<.010	--	--
MAY, 1986								
15...	1121	--	--	--	--	--	4.40	.100
15...	1125	180	170	.10	.020	<.010	--	--
AUG								
13...	1151	--	--	--	--	--	7.00	.800
13...	1155	160	162	<.10	.020	<.010	--	--

07059495 NORFORK LAKE NEAR HAND, ARK.
(LAT 36 16 27 LONG 092 12 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, 1985									
09...	1230	80513	80513	.00	155	753	4	1.90	--
09...	1231	80513	80020	3.00	155	753	--	--	--
09...	1235	80513	80020	31.0	155	753	--	--	282
09...	1240	80513	80020	124	155	753	--	--	268
MAY, 1986									
15...	1245	80513	80020	.00	130	751	0	3.5	--
15...	1246	80513	80020	3.00	130	751	--	--	--
15...	1250	80513	80020	26.0	130	751	--	--	302
15...	1255	80513	80020	104	130	751	--	--	284
AUG									
13...	0915	80513	80020	.00	140	749	0	4.8	--
13...	0916	80513	80020	3.00	140	749	--	--	--
13...	0920	80513	80020	28.0	140	749	--	--	290
13...	0925	80513	80020	112	140	749	--	--	305

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

07059495 NORFORK LAKE NEAR HAND, 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 AS CACO3) (00900)
DEC, 1985									
09...	1235	7.90	13.0	2.5	5	7.5	72	.6	150
09...	1240	7.90	12.0	4.6	5	8.1	76	.6	150
MAY, 1986									
15...	1250	8.20	17.5	1.2	5	9.9	105	.8	170
15...	1255	7.60	9.0	1.0	5	8.1	71	.5	160
AUG									
13...	0920	8.70	28.0	.50	5	8.2	107	.7	160
13...	0925	7.60	10.5	.50	5	.8	7	.5	160

DATE	TIME	ALKA- LINIT 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, 1985									
09...	1231	--	--	--	--	--	--	.400	<.100
09...	1235	144	.20	.20	.40	.010	<.010	--	--
09...	1240	146	.10	--	--	.010	<.010	--	--
MAY, 1986									
15...	1246	--	--	--	--	--	--	.700	<.100
15...	1250	154	.20	--	--	<.010	<.010	--	--
15...	1255	150	.30	--	--	<.010	<.010	--	--
AUG									
13...	0916	--	--	--	--	--	--	1.50	.100
13...	0920	152	<.10	--	--	.030	<.010	--	--
13...	0925	160	.30	--	--	<.010	<.010	--	--

07061600 BLACK RIVER BELOW ANNAPOLIS, MO.
(LAT 37 19 30 LONG 090 45 50)

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, 1985									
04...	1200	80513	80513	.00	6.0	757	11	1.80	--
04...	1205	80513	80020	3.00	6.0	757	--	--	172
MAY, 1986									
22...	0900	80513	80010	.00	4.0	753	12	1.22	--
22...	0905	80513	80020	2.00	4.0	753	--	--	237
AUG									
28...	1115	80513	80020	.00	6.0	756	0	1.80	--
28...	1120	80513	80020	3.00	6.0	756	--	--	319

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, 1985								
04...	1205	6.90	6.5	1.7	5	12.5	102	.5
MAY, 1986								
22...	0905	8.00	17.0	1.0	10	9.2	96	.4
AUG								
28...	1120	8.40	20.0	.30	5	8.5	94	.8

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

07061600 BLACK RIVER BELOW ANNAPOLIS, 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, 1985								
04...	1205	84	74	.20	<.010	<.010	<.100	<.100
MAY, 1986								
22...	0905	110	94	.20	.050	<.010	<.100	<.100
AUG								
28...	1120	150	132	<.10	<.010	<.010	.300	<.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 ANALYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	RESER- VOIR DEPTH (FEET) (72025)	BARO- METRIC PRES- SURE (MM HG) (00025)	COLI- FORM, FECAL, 0.7 UM-MF OF (COLS./ 100 ML) (31625)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)
DEC, 1985									
04...	1015	80513	80010	.00	44.0	759	24	0.60	--
04...	1016	80513	80020	3.00	44.0	759	--	--	--
04...	1020	80513	80020	22.0	44.0	759	--	--	124
MAY, 1986									
22...	1400	80513	80010	.00	10.0	758	0	1.25	--
22...	1401	80513	80020	3.00	10.0	758	--	--	--
22...	1405	80513	80020	5.00	10.0	758	--	--	200
AUG									
28...	1515	80513	80020	.00	4.0	759	11	1.20	--
28...	1520	80513	80020	2.00	4.0	759	--	--	307

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, 1985								
04...	1020	7.50	8.0	15	15	11.5	97	.6
MAY, 1986								
22...	1405	8.20	20.5	3.0	20	8.6	96	.9
AUG								
28...	1520	8.00	22.5	4.0	5	9.0	104	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, 1985								
04...	1016	--	--	--	--	--	<.100	<.100
04...	1020	60	51	.20	.020	<.010	--	--
MAY, 1986								
22...	1401	--	--	--	--	--	4.90	.400
22...	1405	94	84	.10	.010	<.010	--	--
AUG								
28...	1520	150	144	.10	.010	<.010	.100	<.100

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

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, 1985									
04...	0930	80513	80513	.00	53.0	759	K17	.60	--
04...	0931	80513	80020	3.00	53.0	759	--	--	--
04...	0935	80513	80020	26.0	53.0	759	--	--	115
MAY, 1986									
22...	1230	80513	80010	.00	12.0	756	3	.91	--
22...	1231	80513	80020	3.00	12.0	756	--	--	--
22...	1235	80513	80020	6.00	12.0	756	--	--	221
AUG									
28...	1445	80513	80020	.00	4.0	759	2	.45	--
28...	1450	80513	80020	2.00	4.0	759	--	--	294

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, 1985								
04...	0935	7.40	10.0	80	120	9.4	84	1.1
MAY, 1986								
22...	1235	8.00	21.5	3.0	10	8.7	99	1.3
AUG								
28...	1450	8.20	20.5	1.0	5	10.8	121	.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, 1985								
04...	0931	--	--	--	--	--	.100	<.100
04...	0935	56	48	.20	.050	.040	--	--
MAY, 1986								
22...	1231	--	--	--	--	--	5.10	.400
22...	1235	110	102	.20	.020	<.010	--	--
AUG								
28...	1450	140	140	<.10	<.010	<.010	<.100	<.100

07061980 CLEARWATER LAKE NEAR CARTER SPRING ON WEBB CREEK, MO.
(LAT 37 08 34 LONG 090 49 08)

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, 1985									
04...	0900	80513	80513	.00	50.0	759	K20	.21	--
04...	0901	80513	80020	3.00	50.0	759	--	--	--
04...	0905	80513	80020	25.0	50.0	759	--	--	137
MAY, 1986									
22...	1300	80513	80010	.00	8.0	756	5	.67	--
22...	1301	80513	80020	3.00	8.0	756	--	--	--
22...	1305	80513	80020	4.00	8.0	756	--	--	209
AUG									
28...	1420	80513	80020	.00	6.0	759	3	1.70	--
28...	1425	80513	80020	3.00	6.0	759	--	--	310

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

07061980 CLEARWATER LAKE NEAR CARTER SPRING ON WEBB CREEK, 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, 1985								
04...	0905	7.40	10.0	70	70	9.4	84	1.2
MAY, 1986								
22...	1305	7.70	21.0	2.4	10	8.8	100	1.6
AUG								
28...	1425	8.40	21.5	1.5	5	12.2	139	1.0

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LITY 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, 1985								
04...	0901	--	--	--	--	--	.300	<.100
04...	0905	65	66	.20	.050	.030	--	--
MAY, 1986								
22...	1301	--	--	--	--	--	7.30	.800
22...	1305	100	70	.20	.020	<.010	--	--
AUG								
28...	1425	150	148	.10	.010	<.010	.700	.200

07075025 GREERS FERRY LAKE AT BRUSH CREEK, ARK.
(LAT 35 37 15 LONG 092 11 16)

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 HG) (00025)	COLI- FORM, FECAL, 0.7 UM-MF OF (COLS./ 100 ML) (31625)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)
DEC, 1985									
02...	1245	80513	80513	.00	46.0	766	220	.82	--
02...	1246	80513	80020	3.00	46.0	766	--	--	--
02...	1250	80513	80020	9.00	46.0	766	--	--	53
02...	1255	80513	80020	37.0	46.0	766	--	--	55
MAY, 1986									
20...	1300	80513	80010	.00	50.0	760	0	1.77	--
20...	1301	80513	80020	3.00	50.0	760	--	--	--
20...	1305	80513	80020	10.0	50.0	760	--	--	57
20...	1310	80513	80020	40.0	50.0	760	--	--	64
AUG									
26...	1245	80513	80020	.00	56.0	754	0	4.0	--
26...	1246	80513	80020	3.00	56.0	754	--	--	--
26...	1250	80513	80020	11.0	56.0	754	--	--	49
26...	1255	80513	80020	45.0	56.0	754	--	--	109

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, 1985								
02...	1250	6.70	10.5	9.8	15	10.3	92	.8
02...	1255	6.80	10.5	11	30	9.6	86	.8
MAY, 1986								
20...	1305	7.30	22.5	2.0	15	8.5	98	1.7
20...	1310	6.60	14.5	9.0	15	5.8	57	1.4
AUG								
26...	1250	8.20	28.5	.60	5	8.4	110	1.4
26...	1255	6.70	18.0	23	120	.6	6	.9

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

07075025 GREERS FERRY LAKE AT BRUSH CREEK, ARK.--CONTINUED

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LITY 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, 1985								
02...	1246	--	--	--	--	--	.600	<.100
02...	1250	23	19	.20	.030	<.010	--	--
02...	1255	23	20	.20	.020	<.010	--	--
MAY, 1986								
20...	1301	--	--	--	--	--	.200	<.100
20...	1305	22	21	<.10	.010	<.010	--	--
20...	1310	26	23	.20	.020	<.010	--	--
AUG								
26...	1246	--	--	--	--	--	7.40	.700
26...	1250	18	19	<.10	.020	<.010	--	--
26...	1255	38	48	<.10	.130	.050	--	--

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, 1985									
02...	1320	80513	80513	.00	70.0	766	150	1.10	--
02...	1321	80513	80020	3.00	70.0	766	--	--	--
02...	1325	80513	80020	14.0	70.0	766	--	--	43
02...	1330	80513	80020	56.0	70.0	766	--	--	42
MAY, 1986									
20...	1230	80513	80010	.00	80.0	760	K1	1.58	--
20...	1231	80513	80020	3.00	80.0	760	--	--	--
20...	1235	80513	80020	16.0	80.0	760	--	--	46
20...	1240	80513	80020	64.0	80.0	760	--	--	49
AUG									
26...	1315	80513	80020	.00	70.0	754	1	3.2	--
26...	1316	80513	80020	3.00	70.0	754	--	--	--
26...	1320	80513	80020	14.0	70.0	754	--	--	40
26...	1325	80513	80020	56.0	70.0	754	--	--	70

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, 1985								
02...	1325	6.60	12.0	5.0	15	9.4	87	.8
02...	1330	6.60	11.5	13	15	9.3	85	1.0
MAY, 1986								
20...	1235	6.80	21.5	3.0	5	7.2	82	1.5
20...	1240	6.30	10.0	5.5	10	4.6	41	1.5
AUG								
26...	1320	7.60	28.5	.50	5	8.1	106	.5
26...	1325	6.60	14.0	6.3	50	.7	7	.7

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

07075215 GREERS FERRY LAKE ABOVE HILL 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, 1985								
02...	1321	--	--	--	--	--	1.60	.100
02...	1325	18	15	.20	.010	<.010	--	--
02...	1330	17	14	.20	.020	<.010	--	--
MAY, 1986								
20...	1231	--	--	--	--	--	2.00	.200
20...	1235	16	15	<.10	.010	<.010	--	--
20...	1240	18	16	.30	.010	<.010	--	--
AUG								
26...	1316	--	--	--	--	--	.500	<.100
26...	1320	11	15	<.10	.020	<.010	--	--
26...	1325	22	25	<.10	.020	<.010	--	--

07075490 GREERS FERRY LAKE NEAR CLINTON, ARK.

(LAT 35 35 06 LONG 092 25 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)
DEC, 1985									
02...	1020	80513	80513	.00	12.0	768	K200	.79	--
02...	1021	80513	80020	3.00	12.0	768	--	--	--
02...	1025	80513	80020	6.00	12.0	768	--	--	21
MAY, 1986									
20...	1000	80513	80020	.00	16.0	760	K5	.46	--
20...	1001	80513	80020	3.00	16.0	760	--	--	--
20...	1005	80513	80020	8.00	16.0	760	--	--	27
AUG									
26...	1030	80513	80020	.00	12.0	754	0	1.50	--
26...	1031	80513	80020	3.00	12.0	754	--	--	--
26...	1035	80513	80020	6.00	12.0	754	--	--	37

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, 1985								
02...	1025	6.40	8.0	1.4	40	11.5	96	.9
MAY, 1986								
20...	1005	6.90	18.5	60	50	8.6	92	1.5
AUG								
26...	1035	7.30	29.5	2.8	5	7.4	98	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, 1985								
02...	1021	--	--	--	--	--	.200	.100
02...	1025	9	8	<.10	.020	<.010	--	--
MAY, 1986								
20...	1001	--	--	--	--	--	.500	.200
20...	1005	9	11	<.10	.050	.020	--	--
AUG								
26...	1031	--	--	--	--	--	2.80	.200
26...	1035	12	30	<.10	.030	<.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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, 1985									
02...	0900	80513	80513	.00	8.0	767	K400	.50	--
02...	0901	80513	80020	3.00	8.0	767	--	--	--
02...	0905	80513	80020	4.00	8.0	767	--	--	27
MAY, 1986									
20...	1030	80513	80010	.00	14.0	760	5	.67	--
20...	1031	80513	80020	3.00	14.0	760	--	--	--
20...	1035	80513	80020	7.00	14.0	760	--	--	28
AUG									
26...	1100	80513	80020	.00	10.0	754	4	1.60	--
26...	1101	80513	80020	3.00	10.0	754	--	--	--
26...	1105	80513	80020	5.00	10.0	754	--	--	34

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, 1985								
02...	0905	6.30	9.0	19	35	10.4	89	.8
MAY, 1986								
20...	1035	7.10	21.0	7.5	10	8.8	99	1.8
AUG								
26...	1105	7.30	29.5	2.3	5	7.9	105	1.0

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LITY 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, 1985								
02...	0901	--	--	--	--	--	.200	<.100
02...	0905	9	7	.50	.010	<.010	--	--
MAY, 1986								
20...	1031	--	--	--	--	--	.300	<.100
20...	1035	8	11	<.10	.020	<.010	--	--
AUG								
26...	1101	--	--	--	--	--	1.50	.200
26...	1105	11	12	<.10	.080	<.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, 1985									
02...	1400	80513	80513	.00	105	766	58	1.30	--
02...	1401	80513	80020	3.00	105	766	--	--	--
02...	1405	80513	80020	21.0	105	766	--	--	40
02...	1410	80513	80020	84.0	105	766	--	--	52
MAY, 1986									
20...	1200	80513	80010	.00	125	760	0	1.37	--
20...	1201	80513	80020	3.00	125	760	--	--	--
20...	1205	80513	80020	25.0	125	760	--	--	39
20...	1210	80513	80020	100	125	760	--	--	39
AUG									
26...	1215	80513	80020	.00	120	754	0	3.9	--
26...	1216	80513	80020	3.00	120	754	--	--	--
26...	1220	80513	80020	24.0	120	754	--	--	38
26...	1225	80513	80020	96.0	120	754	--	--	44

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

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)
DEC, 1985								
02...	1405	6.50	13.0	3.6	10	9.3	88	2.4
02...	1410	6.30	11.5	19	60	9.6	88	1.6
MAY, 1986								
20...	1205	6.90	18.0	1.5	5	8.8	93	1.5
20...	1210	6.50	8.5	4.2	5	8.1	69	1.4
AUG								
26...	1220	7.70	28.5	.50	5	8.3	108	.2
26...	1225	6.60	10.0	3.3	5	1.8	16	.5

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LITY 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, 1985								
02...	1401	--	--	<.10	.010	<.010	.900	<.100
02...	1405	27	15	<.10	.010	<.010	--	--
02 ..	1410	23	22	<.10	.030	.010	--	--
MAY, 1986								
20...	1201	--	--	--	--	--	.400	<.100
20...	1205	13	13	<.10	<.010	<.010	--	--
20...	1210	14	13	.20	.010	<.010	--	--
AUG								
26...	1216	--	--	--	--	--	1.70	.100
26...	1220	13	13	<.10	.020	<.010	--	--
26...	1225	16	16	.30	.030	<.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)
DEC, 1985									
02...	1530	80513	80513	.00	120	766	8	.85	--
02...	1531	80513	80020	3.00	120	766	--	--	--
02...	1535	80513	80020	24.0	120	766	--	--	36
02...	1540	80513	80020	96.0	120	766	--	--	36
MAY, 1986									
21...	0830	80513	80020	.00	80.0	759	K1	2.80	--
21...	0831	80513	80020	3.00	80.0	759	--	--	--
21...	0835	80513	80020	16.0	80.0	759	--	--	39
21...	0840	80513	80020	64.0	80.0	759	--	--	40
AUG									
27...	1015	80513	80020	.00	85.0	753	3	5.2	--
27...	1016	80513	80020	3.00	85.0	753	--	--	--
27...	1020	80513	80020	17.0	85.0	753	--	--	40
27...	1025	80513	80020	68.0	85.0	753	--	--	42

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

WHITE RIVER BASIN--CONTINUED

07075660 GREERS FERRY LAKE NEAR EDEN ISLE, 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, 1985								
02...	1535	6.70	12.5	1.0	5	10.8	101	.5
02...	1540	6.80	12.0	1.1	5	13.1	121	.4
MAY, 1986								
21...	0835	7.90	21.0	1.2	5	9.3	105	1.6
21...	0840	6.70	10.5	2.0	5	7.2	65	1.2
AUG								
27...	1020	7.40	29.0	.50	5	8.6	113	.5
27...	1025	6.70	12.5	.80	5	4.1	39	.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, 1985								
02...	1531	--	--	--	--	--	.300	<.100
02...	1535	16	13	<.10	<.010	<.010	--	--
02...	1540	16	13	<.10	<.010	<.010	--	--
MAY, 1986								
21...	0831	--	--	--	--	--	.200	<.100
21...	0835	13	14	<.10	<.010	<.010	--	--
21...	0840	14	13	.10	.010	<.010	--	--
AUG								
27...	1016	--	--	--	--	--	.700	<.100
27...	1020	13	28	<.10	.080	<.010	--	--
27...	1025	15	30	.20	.020	<.010	--	--

ARKANSAS RIVER BASIN

07258600 BLUE MOUNTAIN LAKE AT THE NARROWS, ARK.
(LAT 35 05 37 LONG 093 48 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, 1985									
11...	1400	80513	80513	.00	8.0	756	K1300	.39	--
11...	1401	80513	80020	3.00	8.0	756	--	--	--
11...	1405	80513	80020	4.00	8.0	756	--	--	71
MAY, 1986									
15...	1100	80513	80020	.00	10.0	747	K9000	.06	--
15...	1101	80513	80020	3.00	10.0	747	--	--	--
15...	1105	80513	80020	5.00	10.0	747	--	--	60
AUG									
21...	1400	80513	80020	.00	6.0	755	K440	.43	--
21...	1405	80513	80020	3.00	6.0	755	--	--	81

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, 1985								
11...	1405	6.10	9.0	3.2	60	10.8	94	1.6
MAY, 1986								
15...	1105	6.60	20.0	120	100	7.8	88	5.9
AUG								
21...	1405	6.60	25.5	55	80	2.2	27	2.8

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

ARKANSAS RIVER BASIN--CONTINUED

07258600 BLUE MOUNTAIN LAKE AT THE NARROWS, ARK.--CONTINUED

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LINIT 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, 1985								
11...	1401	--	--	--	--	--	.300	<.100
11...	1405	20	14	.50	.090	.050	--	--
MAY, 1986								
15...	1101	--	--	--	--	--	3.90	.900
15...	1105	19	16	.30	.200	.110	--	--
AUG								
21...	1405	13	23	.20	.100	.040	20.0	3.20

07258699 BLUE MOUNTAIN LAKE AT SUGAR GROVE, ARK.
(LAT 35 04 41 LONG 093 49 05)

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 HG) (00025)	COLI- FORM, FECAL, 0.7 UM-MF OF (COLS./ 100 ML) (31625)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)
DEC, 1985									
12...	0945	80513	80513	.00	8.0	757	K430	.64	--
12...	0946	80513	80020	3.00	8.0	757	--	--	--
12...	0950	80513	80020	4.00	8.0	757	--	--	28
MAY, 1986									
15...	0945	80513	80020	.00	6.0	746	K6000	.09	--
15...	0950	80513	80020	3.00	6.0	746	--	--	28
AUG									
21...	1200	80513	80020	.00	2.0	756	48	.61	--
21...	1205	80513	80020	1.00	2.0	756	--	--	60

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, 1985								
12...	0950	6.20	8.5	14	50	11.5	99	.8
MAY, 1986								
15...	0950	6.30	19.5	55	100	9.4	105	2.6
AUG								
21...	1205	6.60	26.5	4.5	15	5.3	79	1.8

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LINIT 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, 1985								
12...	0946	--	--	--	--	--	<.100	<.100
12...	0950	7	5	<.10	.020	.010	--	--
MAY, 1986								
15...	0950	7	7	<.10	.070	.020	1.70	.400
AUG								
21...	1205	12	20	<.10	.020	.010	9.00	.500

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

ARKANSAS RIVER BASIN--CONTINUED

07258705 BLUE MOUNTAIN LAKE NEAR SUGAR GROVE, ARK.
(LAT 35 05 50 LONG 093 48 08)

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, 1985									
12...	0900	80513	80513	.00	28.0	758	K1400	.39	--
12...	0901	80513	80020	3.00	28.0	758	--	--	--
12...	0905	80513	80020	6.00	28.0	758	--	--	70
12...	0910	80513	80020	22.0	28.0	758	--	--	56
MAY, 1986									
15...	1015	80513	80020	.00	18.0	746	K7500	.09	--
15...	1016	80513	80020	3.00	18.0	746	--	--	--
15...	1020	80513	80020	4.00	18.0	746	--	--	42
15...	1025	80513	80020	14.0	18.0	746	--	--	41
AUG									
21...	1315	80513	80020	.00	14.0	755	3	.76	--
21...	1320	80513	80020	3.00	14.0	755	--	--	90
21...	1325	80513	80020	11.0	14.0	755	--	--	91

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, 1985								
12...	0905	6.00	8.5	23	60	10.0	86	1.2
12...	0910	6.10	8.5	20	60	9.1	78	1.4
MAY, 1986								
15...	1020	6.40	20.5	60	100	7.7	87	3.4
15...	1025	6.40	20.5	50	100	8.5	97	3.4
AUG								
21...	1320	7.50	29.0	6.0	20	8.5	112	4.0
21...	1325	6.60	27.5	18	30	2.0	26	2.0

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, 1985								
12...	0901	--	--	--	--	--	.300	<.100
12...	0905	19	13	.50	.050	.030	--	--
12...	0910	18	13	.40	.050	.020	--	--
MAY, 1986								
15...	1016	--	--	--	--	--	1.30	.400
15...	1020	10	10	<.10	.070	.020	--	--
15...	1025	10	10	<.10	.070	.030	--	--
AUG								
21...	1320	16	24	<.10	.060	.020	31.0	2.90
21...	1325	17	15	<.10	.050	.020	--	--

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, 1985									
12...	1045	80513	80513	.00	20.0	757	39	.27	--
12...	1046	80513	80020	3.00	20.0	757	--	--	--
12...	1050	80513	80020	10.0	20.0	757	--	--	42
MAY, 1986									
15...	1315	80513	80020	.00	8.0	758	280	.18	--
15...	1316	80513	80020	3.00	8.0	758	--	--	--
15...	1320	80513	80020	4.00	8.0	758	--	--	54
AUG									
21...	1440	80513	80020	.00	4.0	756	5	.18	--
21...	1445	80513	80020	2.00	4.0	756	--	--	65

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

ARKANSAS RIVER--BASIN

07258900 BLUE MOUNTAIN LAKE AT ASHLEY CREEK NEAR WAVELAND, 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, 1985								
12...	1050	6.80	8.0	40	120	10.7	91	1.1
MAY, 1986								
15...	1320	7.00	25.0	34	100	8.0	97	2.6
AUG								
21...	1445	8.20	31.5	24	50	8.6	118	2.1

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LITY 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, 1985								
12...	1046	--	--	--	--	--	.500	<.100
12...	1050	12	11	.20	.060	.030	--	--
MAY, 1986								
15...	1316	--	--	--	--	--	19.0	1.20
15...	1320	13	14	<.10	.060	.030	--	--
AUG								
21...	1445	12	18	<.10	.050	.020	16.0	1.30

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, 1985									
12...	1330	80513	80513	.00	20.0	758	K2100	--	--
12...	1331	80513	80020	3.00	20.0	758	--	--	--
12...	1335	80513	80020	10.0	20.0	758	--	--	23
MAY, 1986									
19...	1000	80513	80020	.00	12.0	754	K1700	.15	--
19...	1001	80513	80020	3.00	12.0	754	--	--	--
19...	1005	80513	80020	6.00	12.0	754	--	--	23
AUG									
25...	1445	80513	80020	.00	2.0	757	11	.61	--
25...	1450	80513	80020	1.00	2.0	757	--	--	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, 1985								
12...	1335	6.60	8.5	20	70	7.0	60	1.2
MAY, 1986								
19...	1005	6.30	17.5	35	70	9.0	95	2.0
AUG								
25...	1450	7.10	30.5	2.3	15	5.1	69	1.3

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

ARKANSAS RIVER BASIN--CONTINUED

07261820 NIMROD LAKE AT HIGHWAY 27 BRIDGE, ARK.--CONTINUED

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LINIT 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, 1985								
12...	1331	--	--	--	--	--	.200	<.100
12...	1335	7	7	.20	.040	.020	--	--
MAY, 1986								
19...	1001	--	--	--	--	--	.600	.200
19...	1005	7	11	<.10	.040	.010	--	--
AUG								
25...	1450	10	15	<.10	.030	<.010	8.80	.600

07261880 NIMROD LAKE AT PLAINVIEW, ARK.
(LAT 34 59 03 LONG 093 18 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, 1985									
12...	1300	80513	80513	.00	10.0	758	K3400	.15	--
12...	1301	80513	80020	3.00	10.0	758	--	--	--
12...	1305	80513	80020	5.00	10.0	758	--	--	41
MAY, 1986									
19...	0930	80513	80020	.00	2.0	754	K1300	.15	--
19...	0935	80513	80020	1.00	2.0	754	--	--	57

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, 1985								
12...	1305	5.50	7.5	16	70	6.1	51	1.1
MAY, 1986								
19...	0935	6.70	17.5	18	70	8.9	94	2.1

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LINIT 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, 1985								
12...	1301	--	--	--	--	--	.300	<.100
12...	1305	11	9	.60	.090	.080	--	--
MAY, 1986								
19...	0935	14	116	.10	.080	.050	1.00	.200

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

ARKANSAS RIVER BASIN--CONTINUED

07261910 NIMROD LAKE NEAR WARDS CROSSING, ARK.
(LAT 34 57 03 LONG 093 19 24)

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)
MAY, 1986									
19...	1230	80513	80020	.00	16.0	754	K360	.18	--
19...	1231	80513	80020	3.00	16.0	754	--	--	--
19...	1235	80513	80020	8.00	16.0	754	--	--	28
AUG									
25...	1245	80513	80020	.00	10.0	757	8	.24	--
25...	1246	80513	80020	3.00	10.0	757	--	--	--
25...	1250	80513	80020	5.00	10.0	757	--	--	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)
MAY, 1986								
19...	1235	6.40	20.0	25	70	6.9	77	2.3
AUG								
25...	1250	6.20	28.5	25	80	4.2	55	2.7

DATE	TIME	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LITY FIELD (MG/L AS CAC03) (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, 1986								
19...	1231	--	--	--	--	--	4.20	.400
19...	1235	8	9	<.10	.050	.020	--	--
AUG								
25...	1246	--	--	--	--	--	34.0	2.20
25...	1250	9	11	<.10	.090	.020	--	--

07261925 NIMROD LAKE ON PRAIRIE CREEK, ARK.
(LAT 34 56 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, 1985									
12...	1130	80513	80513	.00	22.0	762	39	.49	--
12...	1131	80513	80020	3.00	22.0	762	--	--	--
12...	1135	80513	80020	11.00	22.0	762	--	--	19
MAY, 1986									
19...	1130	80513	80020	.00	12.0	754	110	.18	--
19...	1131	80513	80020	3.00	12.0	754	--	--	--
19...	1135	80513	80020	6.00	12.0	754	--	--	30
AUG									
25...	1145	80513	80020	.00	4.0	757	4	.24	--
25...	1150	80513	80020	2.00	4.0	757	--	--	33

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

ARKANSAS RIVER BASIN--CONTINUED

07261925 NIMROD LAKE ON PRAIRIE 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, 1985								
12...	1135	6.00	9.0	19	80	6.0	--	1.2
MAY, 1986								
19...	1135	6.30	20.5	26	70	6.6	74	1.8
AUG								
25...	1150	6.60	29.0	13	30	7.5	98	2.6

DATE	TIME	HARD- NESS (MG/L CACO3) (00900)	ALKA- LINIT- 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, 1985								
12...	1131	--	--	--	--	--	.400	<.100
12...	1135	6	6	<.10	.050	.020	--	--
MAY, 1986								
19...	1131	--	--	--	--	--	3.20	.400
19...	1135	8	8	<.10	.040	.020	--	--
AUG								
25...	1150	8	11	<.10	.180	.090	28.0	1.80

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)	COLE- 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, 1985									
12...	1100	80513	80513	.00	20.0	762	34	.39	--
12...	1101	80513	80020	3.00	20.0	762	--	--	--
12...	1105	80513	80020	11.0	20.0	762	--	--	22
MAY, 1986									
19...	1100	80513	80020	.00	8.0	754	36	.34	--
19...	1101	80513	80020	3.00	8.0	754	--	--	--
19...	1105	80513	80020	4.00	8.0	754	--	--	34
AUG									
25...	1125	80513	80020	.00	2.0	757	0	.18	--
25...	1130	80513	80020	1.00	2.0	757	--	--	34

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, 1985								
12...	1105	6.30	9.5	24	90	8.8	77	1.2
MAY, 1986								
19...	1105	6.50	22.5	7.0	60	5.8	68	2.1
AUG								
25...	1130	6.90	30.0	14	15	8.2	109	2.4

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

ARKANSAS RIVER BASIN-CONTINUED

07261950 NIMROD LAKE NEAR CARTER COVE, ARK.--CONTINUED

DATE	TIME	HARD- NESS (MG/L AS CACO3) (00900)	ALKA- LINIT FIELD 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. 1985								
12...	1101	--	--	--	--	--	.200	<.100
12...	1105	7	7	<.10	.050	.030	--	--
MAY, 1986								
19...	1101	--	--	--	--	--	3.50	.500
19...	1105	9	11	<.10	.040	.020	--	--
AUG								
25...	1130	9	9	<.10	.050	.010	19.0	1.30

RED RIVER BASIN

07339430 DEQUEEN LAKE AT ROBINSON CREEK NEAR GILLHAM, ARK.
(LAT 34 09 49 LONG 094 24 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)	PH (STAND- ARD UNITS) (00400)
DEC. 1985										
10...	0945	80513	80513	.00	32.0	755	20	1.10	--	--
10...	0946	80513	80020	3.00	32.0	755	--	--	--	--
10...	0950	80513	80020	16.0	32.0	755	--	--	33	6.70
MAY, 1986										
13...	1400	80513	80020	.00	16.0	747	2	1.13	--	--
13...	1401	80513	80020	3.00	16.0	747	--	--	--	--
13...	1405	80513	80020	8.00	16.0	747	--	--	39	7.00
AUG										
21...	0830	80513	80020	.00	10.0	753	15	1.10	--	--
21...	0831	80513	80020	3.00	10.0	753	--	--	--	--
21...	0835	80513	80020	5.00	10.0	753	--	--	37	6.60

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- LINIT FIELD AS CACO3) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
DEC. 1985										
10...	0950	8.5	4.0	7	11.4	98	1.0	9	9	5.8
MAY, 1986										
13...	1405	24.5	1.5	5	6.6	81	1.4	12	13	4.2
AUG										
21...	0835	28.5	4.0	5	6.6	86	2.1	10	8	5.5

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. 1985									
10...	0950	4.5	.30	.030	.020	170	<1	<10	2
MAY, 1986									
13...	1405	3.9	.20	.040	.020	60	<1	<10	16
AUG									
21...	0835	4.5	.10	.050	.030	140	<1	10	1

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

RED RIVER BASIN-CONTINUED

07339430 DEQUEEN LAKE AT ROBINSON CREEK NEAR GILLHAM, 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 PLANK- 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, 1985									
10...	0946	--	--	--	--	--	--	10.0	.300
10...	0950	190	1	40	<.10	5	100	--	--
MAY, 1986									
13...	1401	--	--	--	--	--	--	38.0	3.30
13...	1405	140	9	20	<.10	3	<10	--	--
AUG									
21...	0831	--	--	--	--	--	--	23.0	2.60
21...	0835	230	<5	30	<.10	1	<10	--	--

07339440 DEQUEEN LAKE AT BELLAH CREEK NEAR KELLUM, ARK.
(LAT 34 07 07 LONG 094 23 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 OF (COLS./ 100 ML) (31625)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)
DEC, 1985									
10...	1000	80513	80513	.00	48.0	756	25	1.20	--
10...	1001	80513	80020	3.00	48.0	756	--	--	--
10...	1005	80513	80020	10.0	48.0	756	--	--	34
10...	1010	80513	80020	38.0	48.0	756	--	--	33
MAY, 1986									
13...	1330	80513	80020	.00	45.0	748	1	1.37	--
13...	1331	80513	80020	3.00	45.0	748	--	--	--
13...	1335	80513	80020	9.00	45.0	748	--	--	33
13...	1340	80513	80020	36.0	45.0	748	--	--	34
AUG									
19...	1415	80513	80020	.00	45.0	751	1	2.10	--
19...	1416	80513	80020	3.00	45.0	751	--	--	--
19...	1420	80513	80020	9.00	45.0	751	--	--	37
19...	1425	80513	80020	36.0	45.0	751	--	--	61

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 CAC03) (00900)
DEC, 1985									
10...	1005	6.70	11.5	6.9	10	9.2	85	1.3	9
10...	1010	6.40	10.5	10	10	8.6	78	1.2	9
MAY, 1986									
13...	1335	8.70	24.0	3.5	10	8.7	105	1.8	8
13...	1340	6.30	17.5	2.5	15	2.9	31	1.0	10
AUG									
19...	1420	7.60	29.5	1.4	5	7.6	101	1.5	10
19...	1425	6.30	20.5	3.1	70	1.1	12	1.3	11

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

RED RIVER BASIN--CONTINUED

07339440 DEQUEEN LAKE AT BELLAH CREEK NEAR KELLUM, ARK.--CONTINUED

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, 1985									
10...	1001	--	--	--	--	--	--	1.40	.200
10...	1005	9	6.8	4.0	.40	.020	.010	--	--
10...	1010	10	6.5	5.0	.30	.030	.020	--	--
MAY, 1986									
13...	1331	--	--	--	--	--	--	9.90	.300
13...	1335	9	4.8	3.0	<.10	.040	<.010	--	--
13...	1340	10	5.5	2.9	.20	.020	<.010	--	--
AUG									
19...	1416	--	--	--	--	--	--	10.0	1.30
19...	1420	13	3.9	5.3	<.10	.020	.010	--	--
19...	1425	22	9.5	4.2	<.10	.040	.040	--	--

07340430 GILLHAM LAKE AT DUCKETT FORD NEAR UMPIRE, ARK.
(LAT 34 15 46 LONG 094 11 34)

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, 1985										
11...	0830	80513	80513	.00	18.0	751	K600	.27	--	--
11...	0831	80513	80020	3.00	18.0	751	--	--	--	--
11...	0835	80513	80020	9.00	18.0	751	--	--	22	6.10
MAY, 1986										
14...	1200	80513	80020	.00	10.0	744	21	2.13	--	--
14...	1201	80513	80020	3.00	10.0	744	--	--	--	--
14...	1205	80513	80020	5.00	10.0	744	--	--	26	7.10
AUG										
20...	1800	80513	80020	.00	6.0	748	3	1.70	--	--
20...	1805	80513	80020	3.00	6.0	748	--	--	52	7.10

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, 1985										
11...	0835	12.5	33	40	11.6	110	1.2	8	6	6.9
MAY, 1986										
14...	1205	24.0	3.0	5	8.3	101	1.2	8	11	3.4
AUG										
20...	1805	29.5	2.5	5	8.0	107	1.1	13	19	4.0

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, 1985									
11...	0835	3.5	.10	.040	.020	1400	<1	<10	4
MAY, 1986									
14...	1205	4.3	<.10	<.010	<.010	80	<1	<10	2
AUG									
20...	1805	4.0	<.10	.010	.010	50	<1	<10	4

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

RED RIVER BASIN--CONTINUED

07340430 GILLHAM LAKE AT DUCKETT FORD NEAR UMPIRE, 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, 1985									
11...	0831	--	--	--	--	--	--	.800	.100
11...	0835	1600	1	60	<.10	7	40	--	--
MAY, 1986									
14...	1201	--	--	--	--	--	--	.300	<.100
14...	1205	100	<1	10	<.10	3	<10	--	--
AUG									
20...	1805	150	<5	20	<.10	8	10	7.10	1.20

07340435 GILLHAM LAKE (OPOSSUM CK. ARM) NEAR DUCKETT, ARK.
(LAT 34 15 14 LONG 094 13 08)

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, 1985									
11...	0845	80513	80513	.00	32.0	753	K2100	.24	--
11...	0846	80513	80020	3.00	32.0	753	--	--	--
11...	0850	80513	80020	16.0	32.0	753	--	--	30
MAY, 1986									
14...	1230	80513	80020	.00	25.0	744	6	1.46	--
14...	1231	80513	80020	3.00	25.0	744	--	--	--
14...	1235	80513	80020	12.0	25.0	744	--	--	35
AUG									
20...	1815	80513	80020	.00	24.0	750	2	1.70	--
20...	1816	80513	80020	3.00	24.0	750	--	--	--
20...	1820	80513	80020	12.0	24.0	750	--	--	44

DATE	TIME	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	COLOR (PLAT- BID- 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 CAC03) (00900)
DEC, 1985									
11...	0850	6.20	13.0	33	40	10.3	99	1.6	8
MAY, 1986									
14...	1235	6.40	23.0	4.0	20	4.8	57	1.7	10
AUG									
20...	1820	6.50	29.0	6.4	10	5.2	69	2.2	12

DATE	TIME	ALKA- LITY FIELD (MG/L AS CAC03) (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, 1985									
11...	0846	--	--	--	--	--	--	.900	.200
11...	0850	7	7.1	4.0	.60	.100	.060	--	--
MAY, 1986									
14...	1231	--	--	--	--	--	--	11.0	.900
14...	1235	13	4.2	4.5	.10	.030	.010	--	--
AUG									
20...	1816	--	--	--	--	--	--	11.0	1.10
20...	1820	14	4.2	4.0	<.10	.050	.020	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

RED RIVER BASIN--CONTINUED

07340440 GILLHAM LAKE ABOVE COON CREEK NEAR DIERKS, ARK.
(LAT 34 13 53 LONG 094 13 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)
DEC, 1985									
11...	0915	80513	80513	.00	90.0	753	26	.70	--
11...	0916	80513	80010	3.00	90.0	753	--	--	--
11...	0920	80513	80020	18.0	90.0	753	--	--	27
11...	0925	80513	80020	72.0	90.0	753	--	--	26
MAY, 1986									
14...	1300	80513	80020	.00	68.0	744	4	2.01	--
14...	1301	80513	80020	3.00	68.0	744	--	--	--
14...	1305	80513	80020	14.0	68.0	744	--	--	31
14...	1310	80513	80020	54.0	68.0	744	--	--	29
AUG									
20...	1830	80513	80020	.00	60.0	748	1	2.10	--
20...	1831	80513	80020	3.00	60.0	748	--	--	--
20...	1835	80513	80020	12.00	60.0	748	--	--	35
20...	1840	80513	80020	48.0	60.0	748	--	--	79
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 CAC03) (00900)
DEC, 1985									
11...	0920	6.10	12.0	9.7	30	8.3	78	.8	10
11...	0925	6.10	9.0	11	20	9.3	81	.8	9
MAY, 1986									
14...	1305	7.00	22.5	3.0	10	6.0	71	1.2	10
14...	1310	6.20	15.5	7.5	20	4.1	42	.8	6
AUG									
20...	1835	7.20	29.0	1.2	10	8.0	106	1.6	9
20...	1840	6.30	20.5	--	--	1.0	11	1.2	12
DATE	TIME	ALKA- LINITY FIELD (MG/L AS CAC03) (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, 1985									
11...	0916	--	--	--	--	--	--	1.50	.200
11...	0920	8	6.8	3.5	.20	.030	.020	--	--
11...	0925	8	6.0	4.2	.20	.020	<.010	--	--
MAY, 1986									
14...	1301	--	--	--	--	--	--	3.20	.200
14...	1305	12	4.2	3.8	<.10	.010	<.010	--	--
14...	1310	11	4.0	3.2	<.10	.020	.010	--	--
AUG									
20...	1831	--	--	--	--	--	--	2.60	.200
20...	1835	12	3.5	3.0	<.10	.020	.010	--	--
20...	1840	40	--	4.0	<.10	.040	.040	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

RED RIVER BASIN-CONTINUED

07340595 LITTLE RIVER NEAR WILTON, ARK.

(LAT 33 47 00 LONG 094 08 54)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER)	AGENCY ANALYZING SAMPLE (CODE NUMBER)	SAMPLING DEPTH (FEET)	RESERVOIR DEPTH (FEET)	BAROMETRIC PRESSURE (MM HG)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	TRANSPAR-ENCY (SECCHI DISK)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)
		(00027)	(00028)	(00003)	(72025)	(00025)	(31625)	(00078)	(00095)	(00400)
DEC, 1985										
10...	0700	80513	80513	.00	23.0	760	34	.67	--	--
10...	0701	80513	80020	3.00	23.0	760	--	--	--	--
10...	0705	80513	80020	4.00	23.0	760	--	--	33	6.20
10...	0710	80513	80020	18.0	23.0	760	--	--	33	6.00
MAY, 1986										
12...	1420	80513	1028	.00	22.0	754	25	.79	--	--
12...	1421	80513	80020	3.00	22.0	754	--	--	--	--
12...	1425	80513	80020	4.00	22.0	754	--	--	58	6.90
12...	1430	80513	80020	18.0	22.0	754	--	--	57	6.70
AUG										
18...	1530	80513	80020	.00	19.0	756	6	.85	--	--
18...	1531	80513	80020	3.00	19.0	756	--	--	--	--
18...	1535	80513	80020	4.00	19.0	756	--	--	105	7.20
18...	1540	80513	80020	15.0	19.0	756	--	--	48	6.70

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (NTU)	COLOR (PLATINUM-COBALT UNITS)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DEMAND, BIO-CHEMICAL, 5 DAY SATURATION (MG/L)	HARDNESS (MG/L AS CaCO3)	ALKALINITY FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
		(00010)	(00076)	(00080)	(00300)	(00301)	(00310)	(00900)	(00945)
DEC, 1985									
10...	0705	11.5	9.7	30	10.3	95	1.0	12	9
10...	0710	11.5	14	35	10.5	97	.9	13	10
MAY, 1986									
12...	1425	24.0	10	25	8.3	100	3.0	18	14
12...	1430	22.5	5.5	30	7.8	91	1.8	14	15
AUG									
18...	1535	31.0	4.8	10	8.1	110	1.6	15	16
18...	1540	28.5	6.0	10	4.7	61	1.2	11	14

DATE	TIME	CHLORIDE, DIS-SOLVED (MG/L AS CL)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)
		(00940)	(00630)	(00665)	(70507)	(01105)	(01002)	(01034)	(01042)
DEC, 1985									
10...	0705	4.0	.20	.030	.020	670	<1	<10	3
10...	0710	1.9	.10	.030	.010	730	<1	<10	3
MAY, 1986									
12...	1425	7.7	.20	.040	.020	210	<1	<10	8
12...	1430	8.0	.20	.030	.020	250	<1	<10	5
AUG									
18...	1535	16	<.10	.030	.010	120	<1	<10	2
18...	1540	5.5	<.10	.050	.010	190	1	<10	2

DATE	TIME	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L)
		(01045)	(01051)	(01055)	(71900)	(01067)	(01092)	(70953)	(70954)
DEC, 1985									
10...	0705	780	2	50	<.10	7	110	--	--
10...	0710	800	1	50	<.10	7	20	--	--
MAY, 1986									
12...	1421	--	--	--	--	--	--	11.0	1.10
12...	1425	880	<1	140	<.10	4	<10	--	--
12...	1430	780	<1	130	<.10	7	<10	--	--
AUG									
18...	1531	--	--	--	--	--	--	8.50	1.40
18...	1535	480	<5	100	<.10	1	40	--	--
18...	1540	710	<5	320	<.10	1	<10	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

RED RIVER BASIN--CONTINUED

07340800 MILLWOOD LAKE AT YARBOROUGH LANDING NEAR ASHDOWN, ARK.
(LAT 33 43 29 LONG 094 01 05)

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- FNCY (SECCHI DISK) (M) (00078)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)
DEC, 1985										
09...	1500	80513	80513	.00	32.0	758	40	.73	--	--
09...	1501	80513	80020	3.00	32.0	758	--	--	--	--
09...	1505	80513	80020	16.0	32.0	758	--	--	32	6.60
MAY, 1986										
13...	0915	80513	80010	.00	30.0	753	2	.85	--	--
13...	0916	80513	80020	3.00	30.0	753	--	--	--	--
13...	0920	80513	80020	15.0	30.0	753	--	--	60	6.70
AUG										
19...	0830	80513	80020	.00	30.0	757	K250	1.50	--	--
19...	0831	80513	80020	3.00	30.0	757	--	--	--	--
19...	0835	80513	80020	15.0	30.0	757	--	--	74	6.10

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- LITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
------	------	--	---	---	--	---	---	---	--	--

DEC, 1985										
09...	1505	11.5	16	30	10.5	97	1.0	11	10	7.7
MAY, 1986										
13...	0920	22.5	12	25	6.8	80	1.6	18	16	5.7
AUG										
19...	0835	28.5	2.5	5	2.5	32	1.1	16	16	4.6

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, 1985									
09...	1505	2.5	.20	.030	.010	650	<1	<10	3
MAY, 1986									
13...	0920	7.1	.10	.050	.010	210	<1	<10	7
AUG									
19...	0835	11	<.10	.030	<.010	40	1	<10	1

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, 1985									
09...	1501	--	--	--	--	--	--	.300	<.100
09...	1505	710	2	50	.10	5	20	--	--
MAY, 1986									
13...	0916	--	--	--	--	--	--	11.0	.700
13...	0920	800	3	230	<.10	4	<10	--	--
AUG									
19...	0831	--	--	--	--	--	--	18.0	1.30
19...	0835	290	<5	230	<.10	2	<10	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

RED RIVER BASIN--CONTINUED

07340960 DIERKS LAKE AT CAMP CREEK NEAR BURG, ARK.
(LAT 34 11 59 LONG 094 05 22)

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, 1985										
10...	1345	80513	80513	.00	14.0	750	41	1.20	--	--
10...	1346	80513	80020	3.00	14.0	750	--	--	--	--
10...	1350	80513	80020	7.00	14.0	750	--	--	43	6.50
MAY, 1986										
14...	1015	80513	80020	.00	14.0	744	8	.55	--	--
14...	1016	80513	80020	3.00	14.0	744	--	--	--	--
14...	1020	80513	80020	7.00	14.0	744	--	--	33	6.80
AUG										
20...	1315	80513	80020	.00	13.0	750	150	.76	--	--
20...	1316	80513	80020	3.00	13.0	750	--	--	--	--
20...	1320	80513	80020	6.00	13.0	750	--	--	41	6.90

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 CAC03) (00900)	ALKA- LINITY FIELD (MG/L AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
DEC, 1985										
10...	1350	11.0	7.7	10	10.8	99	4.8	22	11	6.0
MAY, 1986										
14...	1020	24.0	8.5	40	6.9	84	1.4	10	12	4.8
AUG										
20...	1320	29.0	17	15	7.3	97	1.5	8	14	5.4

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)
DEC, 1985									
10...	1350	5.0	.80	.020	<.010	340	<1	<10	1
MAY, 1986									
14...	1020	4.0	.20	.040	.010	510	<1	<10	4
AUG									
20...	1320	3.8	<.10	.050	.020	410	1	<10	3

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, 1985									
10...	1346	--	--	--	--	--	--	.400	<.100
10...	1350	360	<1	30	.20	3	10	--	--
MAY, 1986									
14...	1016	--	--	--	--	--	--	25.0	1.80
14...	1020	890	4	90	<.10	5	10	--	--
AUG									
20...	1316	--	--	--	--	--	--	17.0	1.50
20...	1320	980	<5	120	.10	2	50	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

RED RIVER BASIN--CONTINUED

07340980 DIERKS LAKE AT HOSE CREEK NEAR LEBANON. ARK.
(LAT 34 10 08 LONG 094 05 45)

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, 1985									
10...	1415	80513	80513	.00	55.0	750	22	1.20	--
10...	1416	80513	80020	3.00	55.0	750	--	--	--
10...	1420	80513	80020	10.0	55.0	750	--	--	42
10...	1425	80513	80020	42.0	55.0	750	--	--	41
MAY, 1986									
14...	0945	80513	80020	.00	60.0	746	0	1.50	--
14...	0946	80513	80020	3.00	60.0	746	--	--	--
14...	0950	80513	80020	12.0	60.0	746	--	--	34
14...	0955	80513	80020	48.0	60.0	746	--	--	61
AUG									
20...	1245	80513	80020	.00	53.0	750	0	1.40	--
20...	1246	80513	80020	3.00	53.0	750	--	--	--
20...	1250	80513	80020	10.0	53.0	750	--	--	37
20...	1255	80513	80020	42.0	53.0	750	--	--	102
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, 1985									
10...	1420	6.40	12.0	4.2	25	8.3	78	2.0	22
10...	1425	6.30	10.0	17	30	8.6	77	5.0	21
MAY, 1986									
14...	0950	6.40	21.0	3.0	20	3.9	45	2.4	12
14...	0955	6.40	16.0	7.0	100	.6	6	1.6	16
AUG									
20...	1250	7.00	28.5	--	--	7.3	96	2.5	10
20...	1255	6.30	18.5	3.7	140	1.2	13	1.7	14
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, 1985									
10...	1416	--	--	--	--	--	--	9.40	.500
10...	1420	14	5.6	4.0	.30	.020	<.010	--	--
10...	1425	11	7.3	4.5	.60	.030	.020	--	--
MAY, 1986									
14...	0946	--	--	--	--	--	--	5.20	.200
14...	0950	12	5.8	3.5	<.10	.030	<.010	--	--
14...	0955	21	9.6	4.5	<.10	.100	.060	--	--
AUG									
20...	1246	--	--	--	--	--	--	21.0	1.10
20...	1250	13	--	4.0	<.10	.020	.020	--	--
20...	1255	52	6.2	4.0	<.10	.280	.210	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

RED RIVER BASIN--CONTINUED

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 HG) (00025)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	SPECTIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)
DEC, 1985										
09...	1000	80513	80513	.00	12.0	760	71	.79	--	--
09...	1001	80513	80020	3.00	12.0	760	--	--	--	--
09...	1005	80513	80020	6.00	12.0	760	--	--	43	6.80
MAY, 1986										
12...	1300	80513	80010	.00	8.0	753	36	.79	--	--
12...	1301	80513	80020	3.00	8.0	753	--	--	--	--
12...	1305	80513	80020	4.00	8.0	753	--	--	75	6.80
AUG										
18...	1330	80513	80020	.00	12.0	758	K180	.18	--	--
18...	1331	80513	80020	3.00	12.0	758	--	--	--	--
18...	1335	80513	80020	6.00	12.0	758	--	--	71	6.70

DATE	TIME	TEMPERATURE (DEG C) (00010)	TURBIDITY (NTU) (00076)	COLOR (PLATINUM-COBALT UNITS) (00080)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00301)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CaCO3) (00900)	ALKALINITY (MG/L AS CaCO3) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
DEC, 1985										
09...	1005	9.5	16	35	10.7	94	1.0	12	11	7.9
MAY, 1986										
12...	1305	22.5	12	50	6.6	77	.9	22	18	9.4
AUG										
18...	1335	26.5	39	80	5.6	70	2.1	24	20	9.5

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)
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DEC, 1985									
09...	1005	7.0	.60	.030	.020	400	<1	<10	3
MAY, 1986									
12...	1305	7.9	.30	.040	.030	300	1	<10	6
AUG									
18...	1335	6.5	.16	.070	.040	1200	1	<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)
------	------	--	--	---	--	--	--	---	---

DEC, 1985									
09...	1001	--	--	--	--	--	--	.300	<.100
09...	1005	700	2	70	.10	5	20	--	--
MAY, 1986									
12...	1301	--	--	--	--	--	--	.700	.200
12...	1305	1600	<1	170	<.10	8	<10	--	--
AUG									
18...	1331	--	--	--	--	--	--	2.50	.300
18...	1335	1900	<5	100	<.10	5	20	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

RED RIVER BASIN--CONTINUED

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, 1985										
09...	1115	80513	80513	.00	12.0	760	57	.67	--	--
09...	1116	80513	80020	3.00	12.0	760	--	--	--	--
09...	1120	80513	80020	6.00	12.0	760	--	--	129	7.00
MAY, 1986										
12...	1200	80513	80010	.00	10.0	754	3	.55	--	--
12...	1203	80513	80020	3.00	10.0	754	--	--	--	--
12...	1205	80513	80020	5.00	10.0	754	--	--	101	7.50
AUG										
18...	1230	80513	80020	.00	10.0	758	18	1.40	--	--
18...	1231	80513	80020	3.00	10.0	758	--	--	--	--
18...	1235	80513	80020	5.00	10.0	758	--	--	155	7.00

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 AS CACO3) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
DEC, 1985										
09...	1120	9.5	13	20	10.6	93	1.7	46	17	17
MAY, 1986										
12...	1205	23.5	8.0	10	8.6	102	4.0	28	23	12
AUG										
18...	1235	27.5	--	10	1.2	15	3.5	52	58	5.2

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, 1985									
09...	1120	6.2	1.6	.130	.080	310	<1	<10	3
MAY, 1986									
12...	1205	9.0	.40	.210	.070	370	1	<10	6
AUG									
18...	1235	10	<.10	.150	.040	20	5	<10	4

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, 1985									
09...	1116	--	--	--	--	--	--	5.50	.600
09...	1120	1000	<1	110	.10	7	30	--	--
MAY, 1986									
12...	1203	--	--	--	--	--	--	120	36.0
12...	1205	1700	1	300	<.10	6	<10	--	--
AUG									
18...	1231	--	--	--	--	--	--	38.0	4.90
18...	1235	1500	<5	880	<.10	1	20	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

RED RIVER--BASIN

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)
MAY, 1986										
12...	1030	80513	80010	.00	36.0	753	0	1.19	--	--
12...	1031	80513	80020	3.00	36.0	753	--	--	--	--
12...	1035	80513	80020	7.00	36.0	753	--	--	57	7.20
12...	1040	80513	80020	29.0	36.0	753	--	--	50	6.50
AUG										
18...	1100	80513	80020	.00	36.0	756	0	.67	--	--
18...	1101	80513	80020	3.00	36.0	756	--	--	--	--
18...	1105	80513	80020	7.00	36.0	756	--	--	79	7.40
18...	1110	80513	80020	29.0	36.0	756	--	--	82	6.80

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- LITY FIELD (MG/L AS CACO3) (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
MAY, 1986										
12...	1035	23.5	3.4	15	7.6	91	1.4	20	17	8.2
12...	1040	21.5	3.0	20	4.5	52	.8	16	15	9.1
AUG										
18...	1105	28.5	3.2	10	6.6	86	2.1	13	28	5.0
18...	1110	28.0	3.8	10	1.8	23	1.7	13	29	4.8

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, 1986									
12...	1035	4.5	--	--	--	100	<1	<10	4
12...	1040	5.1	<.10	.040	.020	150	1	<10	4
AUG									
18...	1105	5.5	<.10	.060	.020	50	3	<10	1
18...	1110	6.0	<.10	.060	.020	<10	4	<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, 1986									
12...	1031	--	--	--	--	--	--	6.70	.400
12...	1035	340	1	60	<.10	4	10	--	--
12...	1040	660	1	180	<.10	6	<10	--	--
AUG									
18...	1101	--	--	--	--	--	--	42.0	4.00
18...	1105	290	<5	210	<.10	1	40	--	--
18...	1110	340	<5	560	<.10	1	<10	--	--

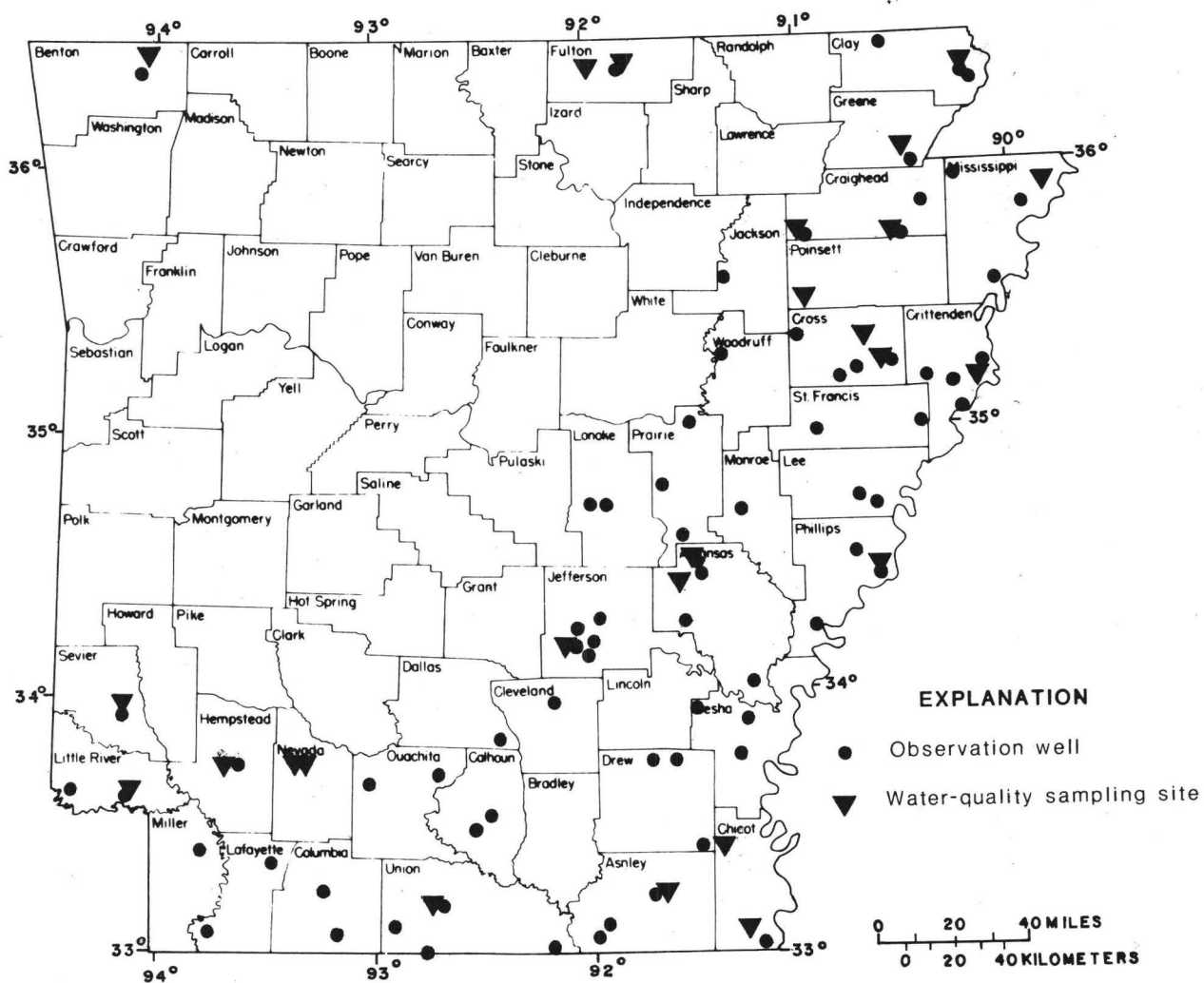


Figure 6.--Locations of observation wells in Arkansas.

GROUND-WATER LEVELS

ARKANSAS COUNTY

340529091154801. Local number, 07S02W17BBA1.

LOCATION.--Lat 34°05'29", long 91°15'48", Hydrologic Unit 08020401, near Tichnor.

Owner: Sam Whiting.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 5-2 in, depth 95 ft, cased 0-92 ft, screened 92-95 ft.

DATUM.--Land surface, 183.38 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land surface.

PERIOD OF RECORD.--December 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.09 ft below land surface, Apr. 20, 1962; lowest, 74.09 ft below land surface, July 24, 1965.

MEASUREMENT FOR CURRENT YEAR.--Mar. 31, 1986, 46.89 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, 49.05 ft below land surface, Apr. 1, 1986; lowest 56.09 ft below land surface, Sept. 16, 1964.

MEASUREMENT FOR CURRENT YEAR.--Apr. 1, 1986, 49.05 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. 2, 1986, 145.53 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 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	196.54	176.50	167.84		---	153.91	151.05	156.56	172.33	197.40	256.67	238.92
10	191.85	174.61	166.34		---	153.18	150.53	157.74	167.02	203.88	250.90	228.88
15	188.22	172.97	165.49		---	152.67	150.16	161.21	165.79	---	250.17	224.65
20	184.52	171.63	164.71		155.19	152.38	---	159.16	175.65	---	247.02	228.78
25	181.82	170.13	163.43		154.62	---	148.79	167.83	189.45	---	252.75	217.50
EOM	178.38	168.57	---		154.50	---	150.05	165.03	194.07	---	250.36	214.02

WTR YR 1986 HIGHEST 148.47 APR. 27, 28, 1986 LOWEST 258.38 AUG. 5, 1986

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 CHARACTERISTICS.--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 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	87.65	87.74	87.62	87.72	87.10	87.36	87.50	87.29	87.39	87.46	87.47	87.46
10	87.51	87.57	87.42	87.50	87.41	87.22	87.42	87.38	87.54	87.35	87.47	87.40
15	87.57	87.49	87.72	87.48	87.54	87.38	87.57	87.49	87.45	87.52	87.41	87.51
20	87.47	87.72	87.65	87.23	87.08	87.82	87.26	87.57	87.48	87.32	87.48	87.54
25	87.58	87.39	87.70	87.38	87.47	87.78	87.49	87.47	87.47	87.38	87.50	87.46
EOM	87.25	87.39	87.26	87.51	87.56	87.49	87.42	87.43	87.32	87.43	87.45	87.45

WTR YR 1986 HIGHEST 86.87 FEB. 26, 1986 LOWEST 88.14 MAR. 21, 1986

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 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 78.63 ft below land surface, May 15, 1984; lowest, 86.98 ft below land surface, April 3, 1986.

MEASUREMENT FOR CURRENT YEAR.--Apr. 3, 1986, 86.98 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. 3, 1986, 79.06 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. 15, 1986, 135.44 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. 25, 1986, 158.62 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, 36.20 ft below land surface, Oct. 13-18, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	36.14	35.52	35.06	34.72	34.68	34.62	34.48	34.45	34.90	34.90	35.46	35.89
10	36.19	35.46	34.99	34.74	34.66	34.64	34.47	34.48	34.87	34.91	35.55	35.89
15	36.20	35.44	34.80	34.74	34.61	34.49	34.46	34.55	34.92	35.02	35.65	36.01
20	35.84	35.33	34.78	34.75	34.55	34.48	34.43	34.66	35.06	35.12	35.77	36.00
25	35.84	35.19	34.71	34.80	34.58	34.50	34.49	34.74	35.18	35.19	35.86	36.01
EOM	35.50	35.11	34.69	34.84	34.59	34.48	34.42	34.87	34.87	35.37	35.95	36.09

WTR YR 1986 HIGHEST 34.42 APR. 27-30, 1986 LOWEST 36.20 OCT. 13-18, 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. 2, 1986, 12.25 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. 2, 1986, 44.00 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, June 1982, and June 1986 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, 25.18 ft below land surface, Apr. 1, 1986.

MEASUREMENT FOR CURRENT YEAR.--Apr. 1, 1986, 25.18 ft below land surface.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	HARD-NESS (MG/L AS CAC03) (00900)	HARD-NESS, NONCAR-BONATE (MG/L CAC03) (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)	
JUN, 1986	10...	1130	80513	80020	520	6.80	18.0	190	0	54	14	21
DATE	TIME	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY FIELD (MG/L AS CAC03) (00410)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	BARIUM, DIS-SOLVED (MG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (MG/L AS BE) (01010)	CADMIUM, DIS-SOLVED (MG/L AS CD) (01025)	
JUN, 1986	10...	1130	19	.7	1.4	214	33	<.10	.031	310	.5	2
DATE	TIME	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM, DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)		
JUN, 1986	10...	1130	3	<10	19000	<10	10	520	<10	290	12	

CLAY COUNTY

362311090111002. Local number, 20N08E11BAC2.

LOCATION.--Lat 36°23'11", long 90°11'10", Hydrologic Unit 08020203, at municipal light plant, Piggott (well No. 2).

Owner: City of Piggott.

AQUIFER.--Nacatoch Sand of Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, depth 1,000 ft.

DATUM.--Land surface, 290 ft National Geodetic Vertical Datum of 1929. Measuring point: 1-in hole in bottom of discharge pipe, 4.00 ft above land surface.

REMARKS.--Well in vicinity of continuously pumping wells. 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, 20.48 ft below land surface, Mar. 26, 1986.

MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1986, 20.48 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.--Mar. 26, 1986, +0.22 ft above land surface.

362759090332401. Local number, 21N05E17ABB1.

LOCATION.--Lat 36°27'59", long 90°33'24", Hydrologic Unit 11010007, near Corning.

Owner: D and E Farms.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in, depth 105 ft.

DATUM.--Land surface, 300 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land surface.

PERIOD OF RECORD.--June 1955, January 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.91 ft below land surface, Apr. 4, 1973; lowest, 20.88 ft below land surface, Mar. 11, 1964.

MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1986, 15.49 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, 200.08 ft below land surface, Apr. 4, 1986.
 MEASUREMENTS FOR CURRENT YEAR.--Apr. 4, 1986, 200.08 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. 10, 1986, 248.60 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.
 EXTREMES 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. 10, 1986, 328.14 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 1985 TO SEPTEMBER 1986
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEP
5	81.74	81.59	81.41	81.41	80.98	80.88	81.42	81.12	81.56	82.96	83.04	83.02
10	81.64	81.54	81.28	81.10	81.23	80.81	81.32	81.26	81.59	83.07	83.41	82.95
15	81.71	81.41	81.41	81.24	81.12	81.06	81.45	81.26	81.51	83.26	83.14	83.00
20	81.59	81.71	81.36	81.04	80.82	81.41	81.11	81.32	81.89	83.17	83.10	83.03
25	81.65	81.30	81.46	81.07	81.11	81.42	81.27	81.67	82.33	83.15	83.05	83.03
EOM	81.34	81.29	81.18	81.11	81.28	81.34	81.27	81.75	82.58	83.00	83.01	82.98

WTR YR 1986 HIGHEST 80.46 MAR. 8, 1986 LOWEST 83.48 AUG. 9, 1986

354236090504401. Local number 13N02E35DAC1.
 LOCATION.--Lat 35°42'36", long 90°50'44", Hydrologic Unit 08020302, near Otwell.
 Owner: A. B. Clark.
 AQUIFER.--Sand and gravel of Quaternary age.
 WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 12 in, depth 127 ft, cased 0-87 ft, screened 87-127 ft.
 DATUM.--Land surface, 250 ft National Geodetic Vertical Datum of 1929.
 REMARKS.--Water-quality records for June 1969, Sept. 1974, and June 1981 are available in files of district office.

354921090281201. Local number, 14N06E20CCD1.

LOCATION.--Lat 35°49'21", long 90°28'12", Hydrologic Unit 08020203, near Lake City.

Owner: Harley Box.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 8-6 in, depth 150 ft, casing, slotted, 125-150 ft

DATUM.--Land surface, 226 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing: South side, 1.50 ft above land surface.

PERIOD OF RECORD.--April 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.60 ft below land surface, Apr. 9, 1973; lowest, 5.79 ft below land surface, Sept. 16, 1964.

MEASUREMENT FOR CURRENT YEAR.--Mar. 25, 1986, 4.62 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.

DATUM.--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 to current year.

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.--Mar. 25, 1986, 18.25 ft below land surface.

354437090335701. Local number, 13N05E21BDD1.

LOCATION.--Lat 35°44'37", long 90°33'57", Hydrologic Unit 08020203.

Owner: Town of Bay.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16 in, depth 147 ft, cased 0-97 ft, screened 97-127 ft, cased 127-147 ft.

DATUM.--Land surface, 226 ft National Geodetic Vertical Datum of 1929. Measuring point: Breather-pipe hole, 1.50 ft above land surface.

REMARKS.--Water-quality records for December 1976 and June 1981 are available in files of district office.

PERIOD OF RECORD.--March 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.10 ft below land surface, Apr. 9, 1973; lowest, 12.43 ft below land surface, May 20, 1981.

MEASUREMENT FOR CURRENT YEAR.--Mar. 25, 1986, 9.45 ft below land surface.

CRITTENDEN COUNTY

350344090130000. Local number, 05N08E11CCA2.

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 DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	26.52	25.74	23.31	24.45	24.18	23.31	23.34	23.59	23.26	24.81	26.35	27.63
10	26.35	25.42	23.03	24.39	22.93	23.71	23.48	23.55	23.47	24.31	26.62	27.67
15	26.38	25.00	22.99	24.52	22.75	23.66	23.31	23.57	23.20	24.63	26.89	27.89
20	25.56	24.44	23.30	24.51	---	22.75	23.22	23.03	23.59	24.35	27.13	28.03
25	25.58	23.67	23.58	24.46	23.15	22.43	23.25	23.13	24.08	25.02	27.17	27.92
EOM	25.56	23.26	24.07	23.91	23.15	22.83	23.25	22.99	24.61	25.89	27.51	27.26

WTR YR 1986 HIGHEST 18.93 APR. 14, 1986 LOWEST 26.66 SEPT. 28, 1986

350958090173800. Local number, 06N07E01DAD2.

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.

CRITTENDEN COUNTY--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.82	20.74	20.30	19.70	19.65	19.41	19.11	19.11	---	20.03	21.18	21.98
10	20.87	20.75	20.13	19.67	19.70	19.32	19.07	19.14	---	20.20	21.29	22.07
15	20.88	20.73	19.99	19.72	19.67	19.28	19.11	19.16	---	20.43	21.46	22.17
20	20.85	20.78	19.87	19.64	19.47	19.45	18.99	19.22	---	20.58	21.61	22.27
25	20.90	20.59	19.79	19.73	19.53	19.41	19.14	19.25	---	20.77	21.78	22.29
EOM	20.55	20.37	19.59	19.81	19.54	19.26	19.14	---	---	20.93	21.95	22.36

WTR YR 1986 HIGHEST 16.70 APR 20, 1986 LOWEST 20.76 SEPT. 28, 1986

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. 20, 1986, 61.39 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, 20.67 ft below land surface, Mar. 19, 1986.

MEASUREMENT FOR CURRENT YEAR.--Mar. 19, 1986, 20.67 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 DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP
5	36.35	35.20	31.36	32.89	32.95	31.79	31.62	32.05	31.70	33.95	36.37	37.71
10	36.11	34.66	30.95	32.90	31.23	32.29	31.76	32.06	31.91	33.24	36.81	37.51
15	36.24	34.08	31.01	33.27	31.06	31.97	31.60	32.22	31.70	33.52	37.17	37.84
20	35.24	33.31	31.56	33.29	31.37	30.66	31.50	31.57	32.32	33.38	37.21	37.70
25	35.13	31.99	31.89	32.97	31.49	30.33	31.46	31.56	33.09	34.61	37.72	37.27
EOM	35.20	31.51	32.41	32.55	31.45	31.12	31.49	31.39	33.86	35.70	---	36.23

WTR YR 1986 HIGHEST 26.51 MAR. 11, 13, 1986 LOWEST 36.56 SEPT. 19, 20, 1986

CROSS COUNTY

351544090334101. Local number, 07N05E04ADB1.

LOCATION.--Lat 35°15'44", long 90°33'41", Hydrologic Unit 08020203.

Owner: Parkin Water Company.

AQUIFER.--Sand, Memphis Aquifer of the Claiborne Group of Eocene Age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 462 ft., cased 0-394 ft., screened 402-462 ft.

DATUM.--Land surface, 206 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump base, 2.70 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, 1986.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.91 ft. below land surface, March 18, 1986; lowest, 25.91 ft. below land surface, Mar. 18, 1986.

MEASUREMENT FOR CURRENT YEAR.--Mar. 18, 1986, 25.91 ft. below land surface.

352231090421501. Local number, 09N04E30DCA1.

LOCATION.--Lat 35°22'31", long 90°42'15", Hydrologic Unit 08020205.

Owner: Vannndale-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. 18, 1986, 250.77 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. 18, 1986, 81.05 ft below land surface.

351456090423201. Local number, 07N04E07ABC1.

LOCATION.--Lat 35°14'56", long 90°42'32", Hydrologic Unit 08020203, near Princedale.

Owner: J. E. Hollan, Jr.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16 in, depth 196 ft.

DATUM.--Land surface, 222 ft National Geodetic Vertical Datum of 1929. Measuring point: Plug hole in pump base, 1.90 ft above land surface.

PERIOD OF RECORD.--February 1955, February 1961-62, July 1964 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.68 ft below land surface, Sept. 16, 1975; lowest, 46.94 ft below land surface, Jan. 14, 1965.

MEASUREMENT FOR CURRENT YEAR.--Mar. 18, 1986, 40.41 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. 18, 1986, 59.56 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, 141.45 ft below land surface, Apr. 25, 1986.

MEASUREMENT FOR CURRENT YEAR.--Apr. 25, 1986, 141.45 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, 56.20 ft below land surface, Mar. 31, 1986.

MEASUREMENT FOR CURRENT YEAR.--Mar. 31, 1986, 56.20 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 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.52	18.08	16.82	15.75	15.57	14.88	14.45	15.64	17.55	18.71	22.30	22.91
10	19.39	17.98	16.62	15.77	15.05	14.88	14.45	16.08	17.62	19.16	22.64	22.83
15	19.30	17.87	16.23	15.73	14.94	14.66	14.46	16.24	17.77	19.61	22.87	22.77
20	19.19	17.41	16.01	15.69	14.82	14.48	14.65	16.42	17.83	20.50	23.02	22.71
25	19.04	17.16	15.86	15.68	14.84	14.53	14.91	16.66	17.96	21.07	23.02	22.64
EOM	18.56	16.99	15.78	15.67	14.83	14.49	15.44	17.09	18.11	21.80	22.96	22.56

WTR YR 1986 HIGHEST 14.44 APR. 12-15, 1986 LOWEST 23.03 AUG. 20-25, 1986

335810091325301. Local number, 09S04W06BBC1.

LOCATION.--Lat 33°58'10", long 91°32'53", Hydrologic Unit 08050001, near Gould.

Owner: Holthoff Brothers.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-10 in, depth 102 ft, screened 70-102 ft.

DATUM.--Land surface, 161.75 ft. National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land surface.

REMARKS.--Water-quality records for 1952 available in files of district office.

PERIOD OF RECORD.--August 1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.87 ft below land surface, May 8, 1958; lowest 26.88 ft below land surface, Mar. 26, 1984.

MEASUREMENT FOR CURRENT YEAR.--Mar. 31, 1986, 20.73 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, 52.50 ft below land surface, Mar. 27, 1986.

MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1986, 52.50 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. 27, 1986, 32.83 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, 133.95 ft below land surface, Mar. 27, 1986.

MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1986, 133.95 ft below land surface.

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. 9, 1986, 5.29 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. 9, 1986, 103.70 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.--Mar. 25, 1986, 98.99 ft below land surface.

360219090262501. Local number, 16N06E03CCC1.

LOCATION.--Lat 36°02'19", long 90°26'25", Hydrologic Unit 08020203, near Paragould.

Owner: Otis Williams.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 18-10 in, depth 194 ft.

DATUM.--Land surface, 255 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in pump base, north side, 1.00 ft above land surface.

PERIOD OF RECORD.--January 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.21 ft below land surface, Mar. 10, 1958; lowest, 40.01 ft below land surface, July 22, 1964.

MEASUREMENT FOR CURRENT YEAR.--Mar. 25, 1986, 38.05 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, June 1982, and June 1986 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. 25, 1986, 172.05 ft below land surface.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	HARD-NESS (MG/L AS CAC03) (00900)	HARD-NESS, NONCAR-BONATE (MG/L AS CAC03) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN, 1986 09...	1200	80513	80020	971	8.70	29.5	7	0	2.4	.20
DATE	TIME	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY FIELD (MG/L AS CAC03) (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
JUN, 1986 09...	1200	200	98	35	.90	238	110	120	1.0	13
DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)
JUN, 1986 09...	1200	560	610	<.10	.460	7	<.5	1900	1	<3
DATE	TIME	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)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	
JUN, 1986 09...	1200	<10	130	<10	19	11	<10	43	14	

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. 25, 1986, 169.30 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. Wilmsans, 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. 1, 1986, 15.29 ft below land surface.

JEFFERSON COUNTY

340901091564601. Local number, 07S08W06BAA1.

LOCATION.--Lat 34°09'01", long 91°56'46", Hydrologic Unit 08040205, near Pine Bluff.

Owner: W. K. Shell.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16-8 in, depth 160 ft, cased 0-120 ft, screened 120-160 ft.

DATUM.--Land surface, 202.31 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1 1/2-in pipe on south side of pump base, 1.00 ft above land surface.

PERIOD OF RECORD.--April 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.88 ft below land surface, Apr. 5, 1962; lowest, 21.09 ft below land surface, July 9, 1965.

MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1986, 12.96 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 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Oct. 22	217.65	Jan. 21	217.35	Mar. 20	218.00	June 25	213.60	Aug. 20	225.50
Nov. 19	215.70	Feb. 19	217.85	Apr. 19	218.10	July 23	222.05	Sept. 23	219.90
Dec. 20	220.50			May 21	219.15				

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.--March 27, 1986, 247.50 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.--Mar. 27, 1986, 236.74 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.--Mar. 28, 1986, 45.83 ft below land surface.

LAFAYETTE COUNTY

330804093435501. Local number, 19S25W06ABD1.

LOCATION.--Lat 33°08'04", long 93°43'55", Hydrologic Unit 11140201, near Gin City.

Owner: Earl Stanley.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16-12 in, depth 63 ft, cased 0-43 ft, screened 43-63 ft.

DATUM.--Land surface, 216 ft National Geodetic Vertical Datum of 1929. Measuring point: Top end of discharge pipe, 2.00 ft above land surface.

PERIOD OF RECORD.--March 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.53 ft below land surface, Apr. 1, 1959; lowest 17.67 ft below land surface, Nov. 29, 1978.

MEASUREMENTS FOR CURRENT YEAR.--Apr. 11, 1986, 14.34 ft below land surface.

LAFAYETTE COUNTY--Continued

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. 11, 1986, 70.45 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, 31.20 ft below land surface, Mar. 20, 1986.
 MEASUREMENT FOR CURRENT YEAR.--Mar. 20, 1986, 31.20 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.--Mar. 19, 1986, 44.27 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 and June 1986 are available in files of district office.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	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)
JUN, 1986	09...	80513	80020	799	7.30	18.5	320	73	84	26
		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)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)
JUN, 1986	09...	44	23	1	1.1	245	6.5	110	.20	24

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--Continued

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L) AS P) (00671)	BARIUM, DIS- SOLVED (UG/L) AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L) AS BE) (01010)	BORON, DIS- SOLVED (UG/L) AS B) (01020)	CADMIUM, DIS- SOLVED (UG/L) AS CD) (01025)	COBALT, DIS- SOLVED (UG/L) AS CO) (01035)
JUN, 1986 09...	1430	479	450	<.10	.020	350	<.5	60	<1	<3
DATE	TIME	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)	MOLYB- DENUM, DIS- SOLVED (UG/L) AS MO) (01060)	STRON- TIUM, DIS- SOLVED (UG/L) AS SR) (01080)	ZINC, DIS- SOLVED (UG/L) AS ZN) (01090)	
JUN, 1986 09...	1430	<10	2400	<10	33	190	<10	620	8	

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. 26, 1986, 19.40 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. 26, 1986, 3.30 ft below land surface.

LONOKE COUNTY

344607091543401. Local number, 02N08W30CAB1.

LOCATION.--Lat 34°46'07", long 91°54'34", Hydrologic Unit 08020402, at Joe Hogan State Fish Hatchery near Lonoke.

Owner: State Game and Fish Commission.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 18 in, depth 135 ft.

DATUM.--Land surface, 245 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land surface.

PERIOD OF RECORD.--September 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.65 ft below land surface, Mar. 24, 1969; lowest, 115.81 ft below land surface, Apr. 1, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	113.75	112.64	111.92	111.61	110.66	111.19	114.58	111.44	113.31	113.48	113.99	113.59
10	113.41	112.34	111.66	111.20	110.96	112.24	113.30	111.33	112.70	113.74	114.21	113.17
15	113.24	112.16	111.83	111.19	110.81	113.33	113.03	111.59	112.36	113.52	113.66	113.16
20	112.89	112.49	111.64	110.92	110.03	114.38	112.06	112.10	112.36	114.74	113.69	113.08
25	112.89	111.92	111.74	110.99	112.03	115.11	112.13	112.02	112.74	114.91	113.61	112.83
EOM	112.16	111.85	111.26	111.01	112.66	115.62	111.87	112.24	113.00	114.21	113.34	112.76
WTR YR 1986	HIGHEST	109.92	FEB. 20, 1986	LOWEST	115.81	APR. 1, 1986						

344955091565301. Local number, 02N09W02BCB1.

LOCATION.--Lat 34°49'55", long 91°56'53", Hydrologic Unit 08020402, near Lonoke.

Owner: Joe Bob Gotcher.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 24 in, depth 128 ft.

DATUM.--Land surface, 255 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in plate over well at land surface.

PERIOD OF RECORD.--March 1937, March 1944, March 1947, March 1951, March 1953 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.72 ft below land surface, Mar. 28, 1937; lowest, 106.82 ft below land surface, May 10, 1982.

MEASUREMENT FOR CURRENT YEAR.--Apr. 29, 1986, 101.43 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. 4, 1986, 6.92 ft below land surface.

MISSISSIPPI COUNTY

353213090072701. Local number, 11N09E34BBB1.

LOCATION.--Lat 35°32'13", long 90°07'27", Hydrologic Unit 08020203, near Bassett.

Owner: Crain Company.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12-8 in, depth 94 ft, cased 0-84 ft, screened 84-94 ft.

DATUM.--Land surface, 235 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, north side, 0.50 ft above land surface.

PERIOD OF RECORD.--May 1955, January 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.48 ft below land surface, May 14, 1958; lowest, 14.18 ft below land surface, Mar. 23, 1981.

MEASUREMENT FOR CURRENT YEAR.--Mar. 25, 1986, 9.89 ft below land surface.

355005090034601. Local number, 14N10E18ABC1.

LOCATION.--Lat 35°50'05", long 90°03'46", Hydrologic Unit 08020203, near Dell.

Owner: R. A. Greenway.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 16 in, depth 101 ft, cased 0-51 ft, screened 51-101 ft.

DATUM.--Land surface, 236 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft above land surface.

REMARKS.--Water-quality records for 1956 and 1957 available in files of district office.

PERIOD OF RECORD.--May 1955, January 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.90 ft below land surface, Dec. 11, 1957; lowest, 15.86 ft below land surface, Nov. 18, 1964.

MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1986, 11.68 ft below land surface.

355607090152601. Local number, 15N08E08DBC1.

LOCATION.--Lat 35°56'07", long 90°15'26", Hydrologic Unit 08020204, at Leachville.

Owner: City of Leachville (city well No. 1).

AQUIFER.--Sand, Wilcox Group of Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply unused artesian well, diameter 10-6 in, depth 1,083 ft cased 0-1,000 ft, screened 1,000-1,083 ft.

DATUM.--Land surface, 236 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of outer casing, 1.00 ft above land surface.

REMARKS.--Water-quality records for 1956 in files of district office.

PERIOD OF RECORD.--November 1958, March 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.90 ft below land surface, Nov. 5, 1958; lowest, 10.18 ft below land surface, June 10, 1967.

MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1986, 9.08 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 screened 1,337 -1,400 ft.

DATUM.--Land surface, 250 ft National Geodetic Vertical Datum of 1929. Measuring point: remove pressure gage, 2.00 ft above land surface.

REMARKS.--Water-quality records for June 1956, June 1970, April 1975, and June 1982 are available in files of district office. Water-level measurement discontinued.

PERIOD OF RECORD.--March 1968 to April 1972.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.90 ft below land surface, Apr. 11, 1968; lowest, 19.89 ft below land surface, Apr. 14, 1972.

344135091165101. Local number, 01N03W24BBB1.

LOCATION.--Lat 34°41'35", long 91°16'51", Hydrologic Unit 08020303, near Clarendon.

Owner: B. B. Bateman.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 14-6 in, depth 108 ft.

DATUM.--Land surface, 185 ft National Geodetic Vertical Datum of 1929. Measuring point: Cut out in casing, north side, 1.00 ft above land surface.

PERIOD OF RECORD.--January 1957, February 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.40 ft below land surface, Apr. 16, 1962; lowest, 24.60 ft below land surface, Nov. 16, 1965.

MEASUREMENT FOR CURRENT YEAR.--Mar. 18, 1986, 23.07 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 RECORD.--Highest water level measured, 47.20 ft below land surface, Mar. 24, 1986; lowest, 170.33 ft below land surface, Mar. 31, 1981.

MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1986, 47.20 ft below land surface.

334759093231302. 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 and June 1986 are available in files of district office.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.50 ft below land surface, Mar. 24, 1986; lowest, 138.42 ft below land surface, Apr. 9, 1974.

MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1986, 59.50 ft below land surface.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUC- TANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	HARD- NESS (MG/L AS CACO3) (00900)	HARD- NESS NONCAR- BONATE AS (MG/L CACO3) (00902)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
JUN, 1986										
09...	0930	80513	80020	150	8.50	21.0	58	10	21	1.3
		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 AS CACO3) (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)
JUN, 1986										
09...	0930	10	27	.6	1.2	48	18	7.6	.10	16
		SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L (70301)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM, DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
JUN, 1986										
09...	0930	105	100	<.10	.040	11	<.5	60	<1	<3
		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)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	
JUN, 1986										
09...	0930	<10	61	<10	8	23	<10	200	18	

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. 7, 1986, 46.67 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. 7, 1986, 25.80 ft below land surface.

PHILLIPS COUNTY

341534090563001. Local number, 05S02E18BDA1.

LOCATION.--Lat 34°15'34", long 90°56'30", Hydrologic Unit 08020303, near Ratio.

Owner: Brooks Griffith.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in, depth 130 ft.

DATUM.--Land surface, 156 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in northeast side of pump, 1.50 ft above land surface.

PERIOD OF RECORD.--April 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.00 ft below land surface, Apr. 17, 1961; lowest, 22.53 ft below land surface, Nov. 16, 1965.

MEASUREMENT FOR CURRENT YEAR.--Mar. 19, 1986, 12.27 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 1985 TO SEPTEMBER 1986 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	30.06	29.09	---			---	26.01	27.00	27.52	30.43	31.84	30.91
10	31.39	28.84	---			---	26.18	30.16	28.96	30.67	29.95	32.91
15	30.64	28.67	---			---	30.19	27.35	26.57	28.40	29.84	31.22
20	29.82	29.70	---			28.37	27.91	27.78	26.92	27.96	29.90	31.77
25	29.07	30.83	---			25.88	26.62	27.11	27.22	29.52	32.38	30.58
EOM	28.88	26.95	---			25.99	26.53	27.20	28.08	29.30	32.64	30.43

WTR YR 1986 HIGHEST 25.33 MAR. 29, 1986 LOWEST 38.20 APR. 19, 1986

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 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.08	15.59	14.92	14.26	14.09	13.63	13.57	14.37	13.48	15.40	15.38	15.53
10	16.07	15.54	14.78	14.27	13.77	13.67	13.19	14.29	12.66	15.73	14.90	15.65
15	16.07	15.51	14.52	14.35	13.65	13.35	13.01	13.94	12.21	16.97	14.87	15.79
20	15.95	15.32	14.33	14.34	13.49	13.52	12.77	15.57	14.49	16.11	14.93	15.90
25	15.85	15.22	14.20	14.38	13.55	13.46	12.74	15.41	15.71	17.30	15.11	15.93
EOM	15.71	15.15	14.14	14.44	13.65	13.47	13.03	13.99	15.17	16.91	15.36	16.02

WTR YR 1986 HIGHEST 12.18 JUNE 15, 1986 LOWEST 17.39 JULY 26, 1986

POINSETT COUNTY

352930090582501. Local number, 10N01E15DBB1.

LOCATION.--Lat 35°29'30", long 90°58'25", Hydrologic Unit 08020205, at Fisher.

Owner: City of Fisher.

AQUIFER.--Sand, Memphis aquifer of the Claiborne group of Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 6 in, depth 302 ft, cased 0-260 ft, screened 260-302 ft.

DATUM.--Land surface, 232 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom of large opening south, side of pump, 1.80 ft above land surface.

REMARKS.--Water-quality records for June 1970, March 1975, June 1982 and June 1986, 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.

MEASUREMENT FOR CURRENT YEAR.--Mar. 21, 1986, 70.42 ft below land surface.

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUC-TANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	HARD-NESS (MG/L AS CAC03) (00900)	HARD-NESS, NONCAR-BONATE (MG/L AS CAC03) (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
JUN, 1986 11...	0900	80513	80020	542	7.30	17.0	190	0	53	15
DATE	TIME	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY FIELD AS CAC03 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED AS SIO2 (00955)
JUN, 1986 11...	0900	46	34	1	2.9	268	1.0	13	.30	19
DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM, DIS-SOLVED (UG/L AS CD) (01025)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)
JUN, 1986 11...	0900	309	310	<.10	.110	220	<.5	50	<1	<3
DATE	TIME	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)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	
JUN, 1986 11...	0900	<10	1700	<10	12	160	<10	400	3	

343639091335201. Local number, 01S05W20ABB1.

LOCATION.--Lat 34°36'39", long 91°33'52", Hydrologic Unit 08020303, near Stuttgart.

Owner: Mike Prislowsky.

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 PERIOD 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.--Mar. 26, 1986, 131.25 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, 232 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 2.00 ft above land surface.

REMARKS.--Water-quality records for 1961 available in files of district office.

PERIOD OF RECORD.--July 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 83.88 ft below land surface, Mar. 20, 1963; lowest, 114.67 ft below land surface, May 22, 1967.

MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1986, 104.90 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, 63.84 ft below land surface, Mar. 26, 1986.

MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1986, 63.84 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 32.80 ft below land surface, Mar. 17, 1986.

MEASUREMENT FOR CURRENT YEAR.--Mar. 17, 1986, 32.80 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. 19, 1986, 22.12 ft below land surface.

SEVIER COUNTY

335808094100101. Local number, 09S30W23BDD1.

LOCATION.--Lat 33°58'08", long 94°10'01", Hydrologic Unit 11140109, at Lockesburg (city well No. 1).

Owner: City of Lockesburg.

AQUIFER.--Trinity Group of Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 197 ft.

DATUM.--Land surface, 440 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land surface.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.17 ft below land surface, Apr. 17, 1968; lowest, 81.76 ft below land surface, Apr. 5, 1978.

MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1986, 72.80 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, 214.74 ft below land surface, Apr. 9, 1986.

MEASUREMENTS FOR CURRENT YEAR.--Apr. 9, 1986, 214.74 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. 8, 1986, 137.99 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, 225 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. 8, 1986, 362.23 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 1985 TO SEPTEMBER 1986
MEAN VALUE

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	336.41	335.32	335.32	330.92	329.92	329.54	334.29	330.57	331.92	333.63	340.51	341.84
10	336.37	335.32	335.32	330.45	330.58	330.37	333.83	331.42	331.43	334.03	340.09	340.92
15	335.84	335.32	335.32	330.97	331.26	331.04	333.49	333.10	331.68	336.30	340.05	340.13
20	335.30	335.32	334.35	333.06	330.57	331.67	332.02	332.71	332.12	338.58	340.52	339.98
25	335.31	335.32	331.50	333.44	329.69	332.93	331.80	333.28	333.46	339.33	340.94	337.76
EOM	335.31	335.32	331.27	330.58	329.90	334.31	331.62	332.21	333.45	340.16	341.86	337.41

WTR YR 1986 HIGHEST 328.74 FEB. 3-4, 1986 LOWEST 341.86 AUG. 28, - SEPT. 5, 1986

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, 345.64 ft below land surface, Oct. 9, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR 1985 TO SEPTEMBER 1986
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	345.60	344.32	343.25	342.24	341.39	341.31	341.26	341.48	341.71	341.70	342.80	343.86
10	345.58	344.16	343.00	342.05	341.42	341.26	341.30	341.52	341.65	341.81	343.00	343.92
15	345.43	344.00	342.87	341.93	341.39	341.17	341.34	341.57	341.72	342.01	343.19	344.11
20	344.95	343.85	342.72	341.73	341.15	341.35	341.21	341.66	341.79	342.09	343.40	344.16
25	344.83	343.40	342.56	341.72	341.32	341.36	341.41	341.69	341.84	342.26	343.61	344.09
EOM	344.21	343.20	342.20	341.70	341.38	341.27	341.44	341.70	341.55	342.52	343.79	344.18

WTR YR 1986 HIGHEST 341.00 MAR. 18, 1986 LOWEST 345.64 OCT. 9, 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.--Mar. 17, 1986, 18.31 ft below land surface.

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 August 1986.

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 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 1986 water year will be published in "Water Resources Data for Arkansas, Water Year 1987."

PRECIPITATION QUALITY, JULY 1985 TO AUGUST 1986

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PRECIPITATION TOTAL INCHES/ WEEK (00046)	COLLECTOR EFFICIENCY WET DEPOS. PERCENT (82284)	PH (STANDARD UNITS) (00400)	PH LAB (STANDARD UNITS) (00403)	SPECIFIC CONDUCTANCE (US/CM) (00095)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	
JUL 30- AUG 06 AUG	0900-0955	1028	17003	0.54	0.86	4.06	4.21	44	35	
AUG 06-13 AUG	0955-0900	1028	17003	0.00	--	--	--	--	--	
AUG 13-20 AUG	0900-0910	1028	17003	1.40	0.96	4.36	4.36	26	25	
AUG 20-27 AUG 27-	0910-0940	1028	17003	0.00	--	--	--	--	--	
SEP 03 SEP	0940-0915	1028	17003	0.00	--	--	--	--	--	
SEP 03-10 SEP	0915-0900	1028	17003	2.80	0.96	4.45	4.42	21	23	
SEP 10-17 SEP	0900-0900	1028	17003	0.00	--	--	6.12	--	9	
SEP 17-24 SEP 24-	0900-0905	1028	17003	0.00	--	--	--	--	--	
OCT 01 OCT	0905-0900	1028	17003	0.77	0.94	4.73	4.80	9	10	
OCT 01-08 OCT	0905-0900	1028	17003	0.00	--	--	--	--	--	
OCT 08-15 OCT	0900-0900	1028	17003	0.50	1.0	4.77	4.88	11	9	
OCT 15-22 OCT	0900-0905	1028	17003	1.59	0.84	4.91	4.96	9	6	
OCT 22-29	0905-0900	1028	17003	0.57	0.85	4.48	4.40	17	21	
DATE		CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS NH4) (71846)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS NO3) (71851)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	PHOSPHATE, DIS-SOLVED (MG/L AS PO4) (00653)
JUL 30- AUG 06 AUG	0.33	0.04	0.03	0.15	0.44	2.5	0.21	3.6	0.01	
AUG 06-13 AUG	--	--	--	--	--	--	--	--	--	
AUG 13-20 AUG	0.3	0.03	0.04	0.12	0.29	2.0	0.18	2.1	0.01	
AUG 20-27 AUG 27-	--	--	--	--	--	--	--	--	--	
SEP 03 SEP	--	--	--	--	--	--	--	--	--	
SEP 03-10 SEP	0.17	0.04	0.03	0.19	0.02	1.4	0.29	1.9	0.01	
SEP 10-17 SEP	--	--	--	--	--	--	--	--	--	
SEP 17-24 SEP 24-	--	--	--	--	--	--	--	--	--	
OCT 01 OCT	0.1	0.02	0.02	0.09	<0.02	0.67	0.15	0.9	0.01	
OCT 01-08 OCT	--	--	--	--	--	--	--	--	--	
OCT 08-15 OCT	0.06	0.03	0.02	0.13	0.12	0.54	0.24	0.8	0.01	
OCT 15-22 OCT	0.02	0.01	0.00	0.04	0.07	0.24	0.07	0.6	0.01	
OCT 22-29	0.05	0.02	0.00	0.06	0.14	0.72	0.09	2.0	0.01	

PRECIPITATION QUALITY, JULY 1985 TO AUGUST 1986

		AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PRECIP- ITATION TOTAL INCHES/ WEEK (00046)	COL- LECTOR EFFI- CIENCY WET DEPOS. PERCENT (82284)	PH (STAND- ARD UNITS) (00400)	PH LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	
OCT 29- NOV 05 NOV 05-12 NOV 12-19 NOV 19-26 NOV 26- DEC 03 DEC 03-10 DEC 10-17 DEC 17-24 DEC 24-31 DEC 31- JAN 07 DEC 31 1985- JAN 07 1986 JAN 07-14 JAN 14-21 JAN 21-28 JAN 28- FEB 04 FEB 04-11 FEB 11-18 FEB 18-25	DATE	TIME								
			1028	17003	1.82	0.88	4.64	4.70	12	10
		0915-0915	1028	17003	2.67	0.95	4.77	4.86	10	9
		0915-0900	1028	17003	1.48	0.96	5.10	4.93	8	8
		0900-0900	1028	17003	0.25	0.83	4.25	4.13	37	42
		0900-0915	1028	17003	1.85	0.97	4.86	4.90	10	9
		0915-0900	1028	17003	0.00	--	--	--	--	--
		0900-0910	1028	17003	3.81	0.97	4.73	4.82	10	11
		0910-0910	1028	17003	0.00	--	--	5.44	--	6
		0910-0900	1028	17003	0.03	0.96	--	4.14	--	66
		0900-0900	1028	17003	--	0.84	--	4.03	--	58
		0900-0900	1028	17003	0.03	0.84	--	4.03	--	58
		0900-0900	1028	17003	0.00	--	--	--	--	--
		0900-0900	1028	17003	0.13	0.99	4.38	4.63	23	17
		0900-0900	1028	17003	0.00	--	--	--	--	--
		0900-0830	1028	17003	2.10	0.98	4.91	5.02	6	6
		0830-0910	1028	17003	0.50	0.91	4.36	4.45	20	21
		0910-0900	1028	17003	0.05	0.81	--	4.03	--	62
		0900-0900	1028	17003	0.00	--	--	--	--	--
		CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	PHOS- PHATE, DIS- SOLVED (MG/L AS PO44) (00653)
OCT 29- NOV 05 NOV 05-12 NOV 12-19 NOV 19-26 NOV 26- DEC 03 DEC 03-10 DEC 10-17 DEC 17-24 DEC 24-31 DEC 31- JAN 07 DEC 31 1985- JAN 07 1986 JAN 07-14 JAN 14-21 JAN 21-28 JAN 28- FEB 04 FEB 04-11 FEB 11-18 FEB 18-25		0.02	0.01	0.00	0.06	<0.02	0.38	0.07	0.7	0.01
		0.03	0.02	0.01	0.09	0.10	0.41	0.15	0.8	0.01
		0.04	0.02	0.01	0.17	<0.02	<0.03	<0.28	0.6	0.01
		0.13	0.06	0.06	0.38	0.71	3.10	0.66	3.8	0.01
		0.08	0.02	0.02	0.12	0.14	0.54	0.22	0.9	0.01
		--	--	--	--	--	--	--	--	--
		0.05	0.03	0.02	0.23	<0.02	0.54	0.37	0.9	0.01
		--	--	--	--	--	--	--	--	--
		1.30	0.26	0.17	1.2	2.2	7.9	1.3	8.7	0.01
		0.77	0.14	0.07	0.55	0.7	5.2	1.0	5.8	0.01
		0.77	0.14	0.07	0.55	0.7	5.2	1.0	5.8	0.01
		--	--	--	--	--	--	--	--	--
		0.26	0.05	0.02	0.22	0.11	1.6	0.33	1.8	0.01
		--	--	--	--	--	--	--	--	--
		0.03	0.02	0.01	0.11	<0.02	0.28	0.2	0.6	0.01
		0.23	0.03	0.03	0.1	0.28	1.7	0.18	2.0	0.01
		0.44	0.18	0.07	0.71	1.8	5.3	1.2	7.2	0.01
		--	--	--	--	--	--	--	--	--

PRECIPITATION QUALITY, JULY 1985 TO AUGUST 1986

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FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
<i>Length</i>		
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)
<i>Area</i>		
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)
<i>Volume</i>		
gallons (gal)	3.785×10^0	liters (L)
	3.785×10^0	cubic decimeters (dm ³)
	3.785×10^{-3}	cubic meters (m ³)
million gallons	3.785×10^3	cubic meters (m ³)
	3.785×10^{-3}	cubic hectometers (hm ³)
cubic feet (ft ³)	2.832×10^1	cubic decimeters (dm ³)
	2.832×10^{-2}	cubic meters (m ³)
cfs-days	2.447×10^3	cubic meters (m ³)
	2.447×10^{-3}	cubic hectometers (hm ³)
acre-feet (acre-ft)	1.233×10^3	cubic meters (m ³)
	1.233×10^{-3}	cubic hectometers (hm ³)
	1.233×10^{-6}	cubic kilometers (km ³)
<i>Flow</i>		
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)
<i>Mass</i>		
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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