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Water Resources Data Arkansas Water Year 1987



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT AR-87-1

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

CALENDAR FOR WATER YEAR 1987

1986

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



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UNITED STATES DEPARTMENT OF THE INTERIOR

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GEOLOGICAL SURVEY

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Little Rock, Arkansas 72201-3287

1988

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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WATER RESOURCES DATA FOR ARKANSAS, 1987

INTRODUCTION

Water resources data for the 1987 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 47 gaging stations; water quality for 160 stations, 63 partial-record stations, 5 observation wells, and 1 precipitation station; and water levels for 97 observation wells. Also included are data for 58 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 Information System operated by the U.S. Geological Survey in cooperation with 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-87-1." 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 agencies 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 information through cooperative agreement with the Survey are:

Arkansas Geological Commission, Norman F. Williams, State Geologist.
Arkansas Game and Fish Commission, Steve Wilson, Director.
Arkansas Department of Pollution Control and Ecology, Paul Means, Director.
Arkansas Soil and Water Conservation Commission, J. Randy Young, Director.
Arkansas State Highway and Transportation Department, Henry C. Gray, Director.
Independence County, David Wyatt, County Judge

Assistance in the form of funds or services was provided by the Corps of Engineers, National Weather Service, National Park Service, Soil Conservation Service, and Arkansas Power and Light Company in collecting records for some of the gaging stations and water-quality stations published in this report.

Organizations that supplied data are acknowledged in station descriptions.

HYDROLOGIC CONDITIONS

Surface Water

Streamflow was normal in the south and deficient in the north for the 1987 water year. Heavy rains in Oklahoma in October caused some minor flooding along the Arkansas River in Arkansas. The peak discharge at the gaging station on the Arkansas River at Lock and Dam No. 13, near Van Buren, in western Arkansas, exceeded the 50-year recurrence interval. However, the peak discharge at the gaging stations downstream on the Arkansas River at Dardanelle, and at Little Rock, did not exceed the 10-year recurrence interval.

Runoff at the index station on the Buffalo River near St. Joe, which is representative of north Arkansas, was 49 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 88 percent of median for the 30-year base period 1951-80.

Monthly and annual mean discharges for the 1987 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.

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.

WATER-RESOURCES DATA FOR ARKANSAS, 1987

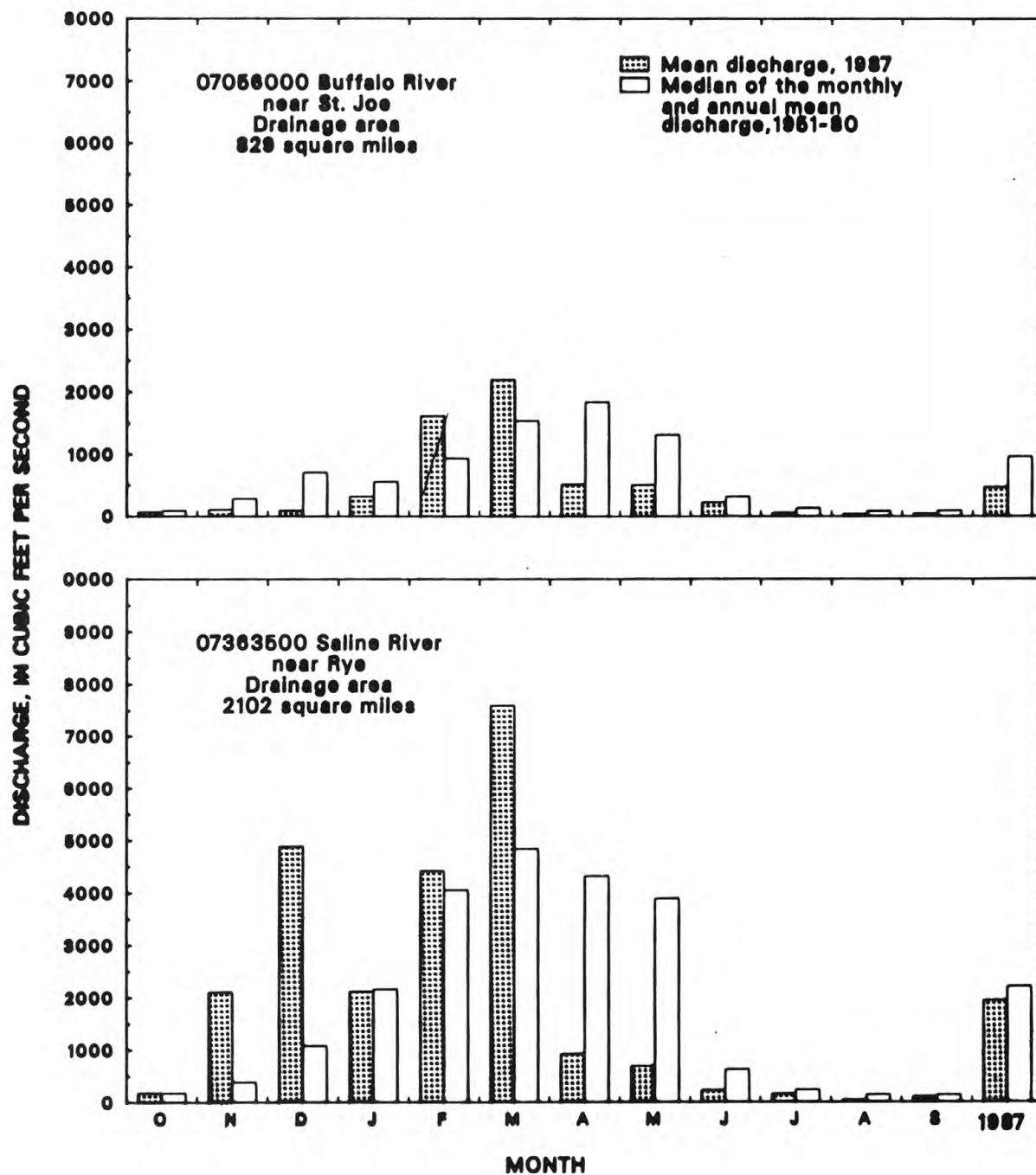


Figure 1.--Comparison of discharge at two representative long-term gaging stations for the 1987 water year with the median of the monthly and annual mean discharge for a 30-year period.

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 1987 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 1987 was 905 mg/L in the Red River at Index. This concentration is considered normal for this station. Dissolved-solids concentrations, in milligrams per liter, are shown in the following table:

	1987		Period of Record through 1986	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	260	285	153	339
St. Francis Bay at Riverfront	110	251	55	314
Cache River at Patterson	--	--	41	242
White River at Newport	142	180	78	388
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)	193	479	86	2400
Red River at Index	647	905	157	1260
Ouachita River at Camden	38	67	30	193

The highest dissolved-chloride concentration found in 1987 was 290 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:

	1987		Period of Record through 1986	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	15	19	7.9	30
St. Francis Bay at Riverfront	4.9	11	0.1	13
Cache River at Patterson	4.5	13	1.7	20
White River at Newport	3.9	4.5	.5	120
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)	41	140	11	1240
Red River at Index	170	290	23	405
Ouachita River at Camden	4.5	7.6	3.1	79

The highest fecal-coliform concentration found in 1987 was 20,000 colonies per 100 mL in the Mississippi River at Memphis, Tennessee. The Mississippi River at Memphis Tennessee had fecal-coliform concentrations that were both below the minimum and above the maximum for the previous period of record. Fecal-coliform concentrations, in colonies per 100 milliliters, are shown in the following table:

	1987		Period of record through 1986	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	10	20000	20	16000
St. Francis Bay at Riverfront	33	1300	8	4600
Cache River at Patterson	33	3400	5	1700
White River at Clarendon	4	100	2	3200
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)	11	960	0	51,000
Red River at Index	8	860	3	5,000
Ouachita River at Camden	0	20	2	1,400

WATER RESOURCES DATA FOR ARKANSAS, 1987

The highest suspended-sediment concentration found in 1987 was 851 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 previous period of record. Suspended-sediment concentrations, in milligrams per liter are shown in the following table:

	1987		Period of record through 1986	
	Minimum	Maximum	Minimum	Maximum
Mississippi River at Memphis, Tennessee	51	139	24	740
St. Francis Bay at Riverfront	29	748	21	959
Cache River at Patterson	35	145	23	220
White River at Newport	24	252	10	213
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	10	149	2	644
Red River at Index	80	851	16	8820
Ouachita River at Camden	6	29	11	639

Ground-Water Levels

Two principal aquifers, the alluvial aquifer and the Sparta-Memphis aquifer, provide water for most of the irrigation, public and rural supplies and industrial uses for the State. Both aquifers occur within the physiographic area of the Coastal Plain, which extends across the south central part of the State. The alluvial deposits of Quaternary age provide most of the ground water used for irrigation and fish farming; whereas the Sparta-Memphis aquifer of Tertiary age provides most of the ground water for industry and public supply. Water levels in both aquifers are influenced by pumping. Water levels in the alluvial aquifer fluctuate seasonally according to the pumping period for irrigation. Typically, the shallowest water levels are observed in the spring prior to pumping, and the deepest water levels occur in the late summer and fall. The Sparta-Memphis aquifer shows the same seasonal effect in Arkansas and Prairie counties where most of the water withdrawn from the aquifer is for local irrigation.

The regional potentiometric gradient in the alluvial deposits is toward the south and southeast 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. A second cone of depression has developed west of Crowley's Ridge in Poinsett and Cross Counties where withdrawals for irrigation also occur. Water levels in the center of both cones are more than 100 feet below land surface. The deepest water level measured in the spring of 1987 was 122.68 feet below land surface, which occurred in Arkansas County. Comparison of the 1987 to 1986 water levels shows an average decline of approximately 1/2 foot within both cones of depression. Elsewhere, water levels in the alluvial aquifer on the average, declined less than 1/2 foot between 1986 and 1987.

The regional potentiometric gradient in the Sparta-Memphis aquifer 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 supplied 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 290 feet to more than 440 feet below land surface. The deepest water level of 443.00 feet occurred near El Dorado in Union County. Water levels, on the average, did not change from the previous year in Union County, but average declines of more than 2-1/2 feet occurred in Jefferson County. The average water level in Columbia County increased 1 foot from the previous year. A 3-foot average decline in water levels occurred in the Grand Prairie (Arkansas, Lonoke, and Prairie Counties) area. Elsewhere in the State, water levels in the Sparta-Memphis aquifer declined about 1/2 foot from last year.

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 $\pm$ 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.

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.

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 14.

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.

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

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

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliter (mL) or liter (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

Classification	Size (mm)	Method of analyses
Clay.....	0.00035- 0.004	Sedimentation.
Silt.....	.004 - .062	Sedimentation.
Sand.....	.062 - 2.0	Sedimentation or sieve.
Gravel.....	2.0 - 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.

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.

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

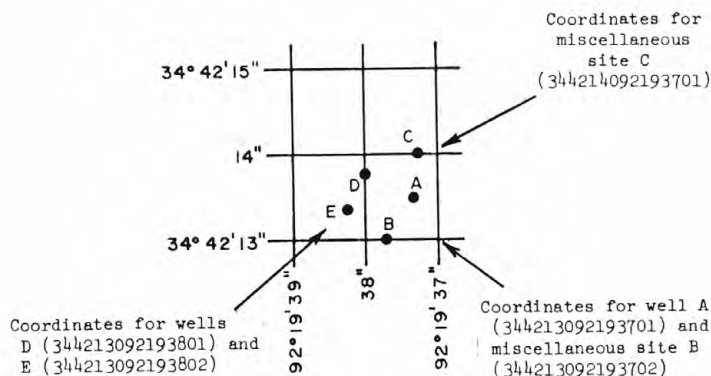
Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream 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 47 stations in Arkansas in 1987. The locations of these stations are shown in figures 2 and 3, pages 26 and 27.

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 gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site, are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

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

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

Accuracy of Field Data and Computed Results

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

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

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 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 sixty-three stations are included for 1987. The location of these stations are shown in figures 4 and 5, pages 28 and 29.

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
80020	National Water-Quality Laboratory, WRD, USGS
17003	Illinois State Water Survey

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 Survey 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 16 and 17.

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

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

Water Temperature

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

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

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

[Temperature reported to nearest 0.5°C]

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
0.0	32	10.0	50	20.0	68	30.0	86	40.0	104
.5	33	10.5	51	20.5	69	30.5	87	40.5	105
1.0	34	11.0	52	21.0	70	31.0	88	41.0	106
1.5	35	11.5	53	21.5	71	31.5	89	41.5	107
2.0	36	12.0	54	22.0	72	32.0	90	42.0	108
2.5	36	12.5	54	22.5	72	32.5	90	42.5	108
3.0	37	13.0	55	23.0	73	33.0	91	43.0	109
3.5	38	13.5	56	23.5	74	33.5	92	43.5	110
4.0	39	14.0	57	24.0	75	34.0	93	44.0	111
4.5	40	14.5	58	24.5	76	34.5	94	44.5	112
5.0	41	15.0	59	25.0	77	35.0	95	45.0	113
5.5	42	15.5	60	25.5	78	35.5	96	45.5	114
6.0	43	16.0	61	26.0	79	36.0	97	46.0	115
6.5	44	16.5	62	26.5	80	36.5	98	46.5	116
7.0	45	17.0	63	27.0	81	37.0	99	47.0	117
7.5	45	17.5	63	27.5	81	37.5	99	47.5	117
8.0	46	18.0	64	28.0	82	38.0	100	48.0	118
8.5	47	18.5	65	28.5	83	38.5	101	48.5	119
9.0	48	19.0	66	29.0	84	39.0	102	49.0	120
9.5	49	19.5	67	29.5	85	39.5	103	49.5	121

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

Sediment

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

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

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

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

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

[All values calculated to 3 significant figures]

Range of concen- tration, in 1,000 mg/L	Di- tration, vide by	Range of concen- tration, in 1,000 mg/L	Di- tration, vide by	Range of concen- tration, in 1,000 mg/L	Di- tration, vide by	Range of concen- tration, in 1,000 mg/L	Di- tration, 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 water-level fluctuations in the State's most productive aquifers.

Data are included for 97 wells in Arkansas (fig. 6, page 521). 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 9.

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 GROUND-WATER QUALITY RECORDS

Collection of the data

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 1987, five wells in the network were sampled. Chemical analyses for these wells are located in the "Quality of Ground Water" section immediately following the ground-water-level records.

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
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			
07194760	Illinois River near Viney Grove, Ark.	80.7	1986
07194800	Illinois River at Savoy, Ark.	167	1980-81, 1986
07195000	Osage Creek near Elm Springs, Ark.	130	1950-75
07195400	Illinois River near Siloam Springs, Ark.	509	1980-81 1986
*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.

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.	1974-83
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
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 Manila, 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
07049695	White River above Busch, Ark.	Chem., Temp.	1969, 1972-82
07050000	White River at Beaver, Ark.	Chem.	1945-46, 1948-53, 1974-83

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
White River Basin--Continued			
07055000	White River near Flippin, Ark.	Chem.	1945-50, 1953, 1979
07055000	White River at Cotter, Ark.	Chem.	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
07056520	Bear Creek West of Marshall, Ark.	Chem.	1983-86
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 Shipp's 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
07061000	White River at Batesville, Ark.	Chem.	1983-86
07061094	White River near Salado, Ark.	Chem.	1983-86
07064000	Black River near Corning, Ark.	Chem.	1945-61, 1963, 1966-67, 1972-83
07068600	Little Black River at Success, Ark.	Chem., Temp.	1965, 1980-86
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
07074491	White River at Jacksonport, Ark.	Chem.	1983-86
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.	1954, 1979
07075000	Middle Fork of Little Red River at Shirley, Ark.	Chem.	1954, 1979
07076200	Little Red River near Wilburn, Ark.	Chem., Temp.	1968-83

WATER RESOURCES DATA FOR ARKANSAS, 1987
DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
White River basin--Continued			
07076500	Little Red River at Pangburn, Ark.	Temp.	1967-82
07076620	Little Red River near Searcy, Ark.	Temp.	1967-82
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
07077800	White River at Clarendon, Ark.	Chem., Temp.	1948-67, 1970-86
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
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
07247903	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

DISCONTINUED WATER-QUALITY STATIONS--Continued

Station number	Station name	Type of record	Period of record
Arkansas River basin--Continued			
07263000	South 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	Arkansas 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
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.	1976-47, 1952-61, 1978-79
07342000	Red River at Garland, Ark.	Chem.	1976
07344290	Days Creek South of Texarkana, Ark.	Chem.	1973-74
07344340	Sulphur River near Fort Lynn, Ark.	Chem.	1975-78
07348615	Bayou Dorcheat near Bussey, Ark.	Chem.	1973-74
07348680	Crooked Creek at Arkansas-Louisiana State Line	Chem.	1973-74
07349445	Bodcau Creek near Taylor, Ark.	Chem.	1952, 1973-74
07349453	Wheeler Creek near Arkana, Ark.	Chem.	1973-74
07349455	Bear Creek near Arkana, Ark.	Chem.	1973
07349457	Dooley Creek near Arkansas-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 Mountain Dam near Hot Springs, Ark.	Chem.	1970-83
07357503	Ouachita River at Mountain Pine, Ark.	Temp.	1979-82
07358501	Ouachita River at Carpenter Dam near Hot Springs, Ark.	Chem.	1974-86
07359900	DeGray Lake near Arkadelphia, Ark.	Chem.	1950-52, 1976-78
07359910	Caddo River at DeGray Regulating Dam near Arkadelphia, Ark.	Chem.	1976-78
07360000	Ouachita River at Arkadelphia, Ark.	Chem.	1949-70
07360162	Ouachita River near Sparkman, Ark.	Chem.	1974-83
07360182	Brushy Creek near Ouachita, Ark.	Chem.	1978-81

WATER RESOURCES DATA FOR ARKANSAS, 1987
DISCONTINUED WATER-QUALITY STATIONS--CONTINUED

Station number	Station name	Type of record	Period of record
Red River basin--Continued			
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
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 B, 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

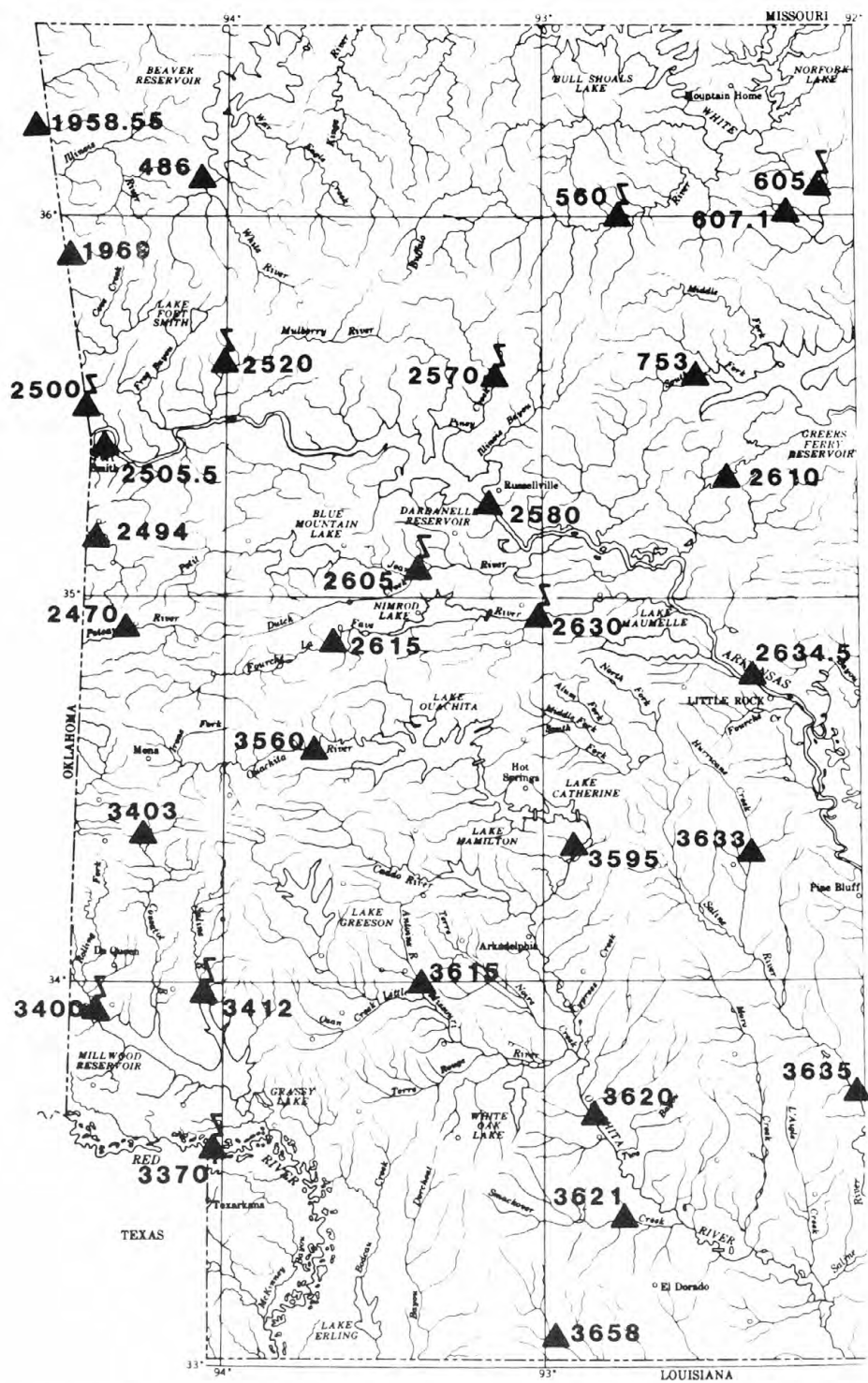


Figure 2.--Locations of continuous-record gaging stations in western Arkansas.

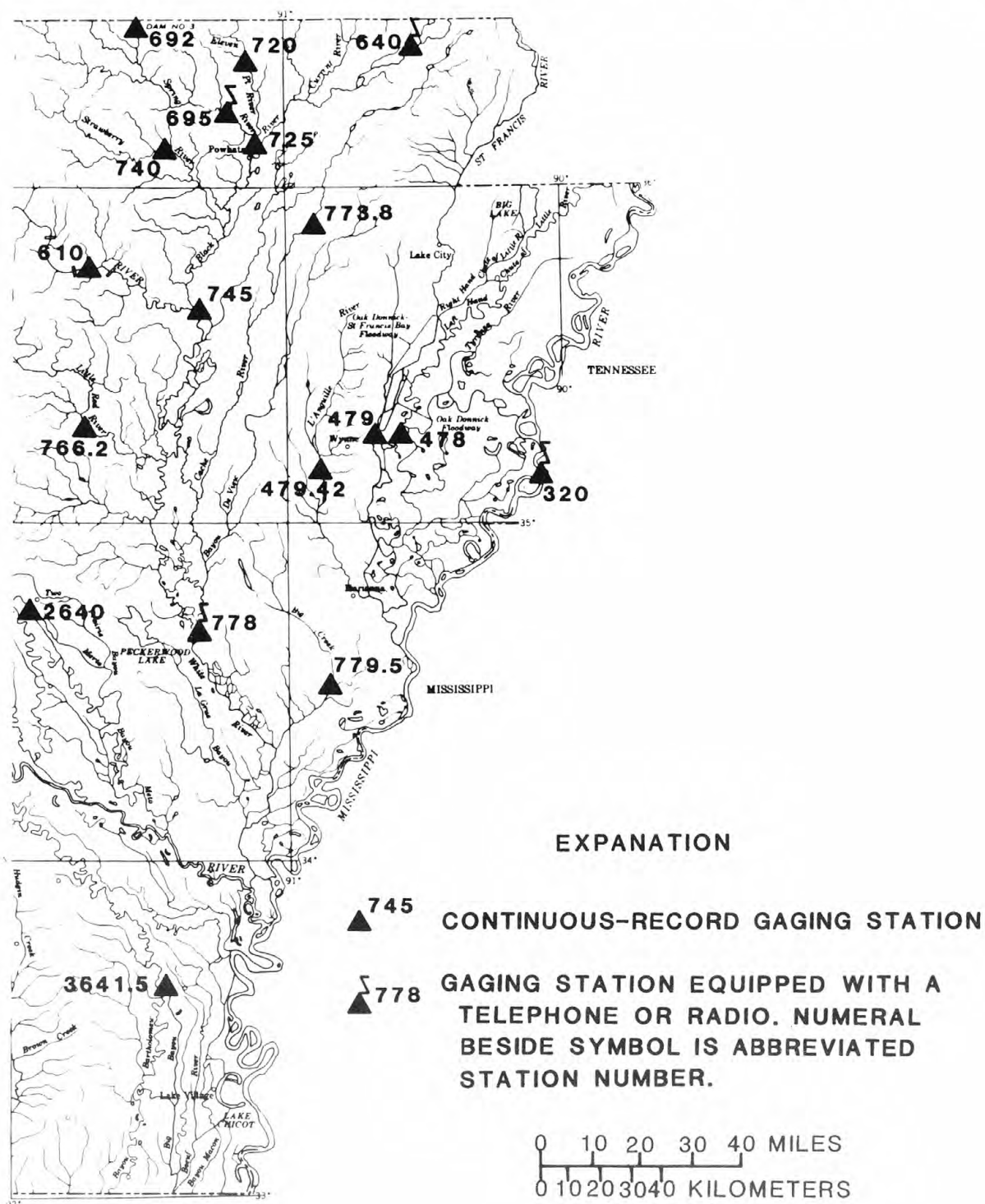


Figure 3.--Locations of continuous-record gaging stations in eastern Arkansas.

WATER-RESOURCES DATA FOR ARKANSAS, 1987

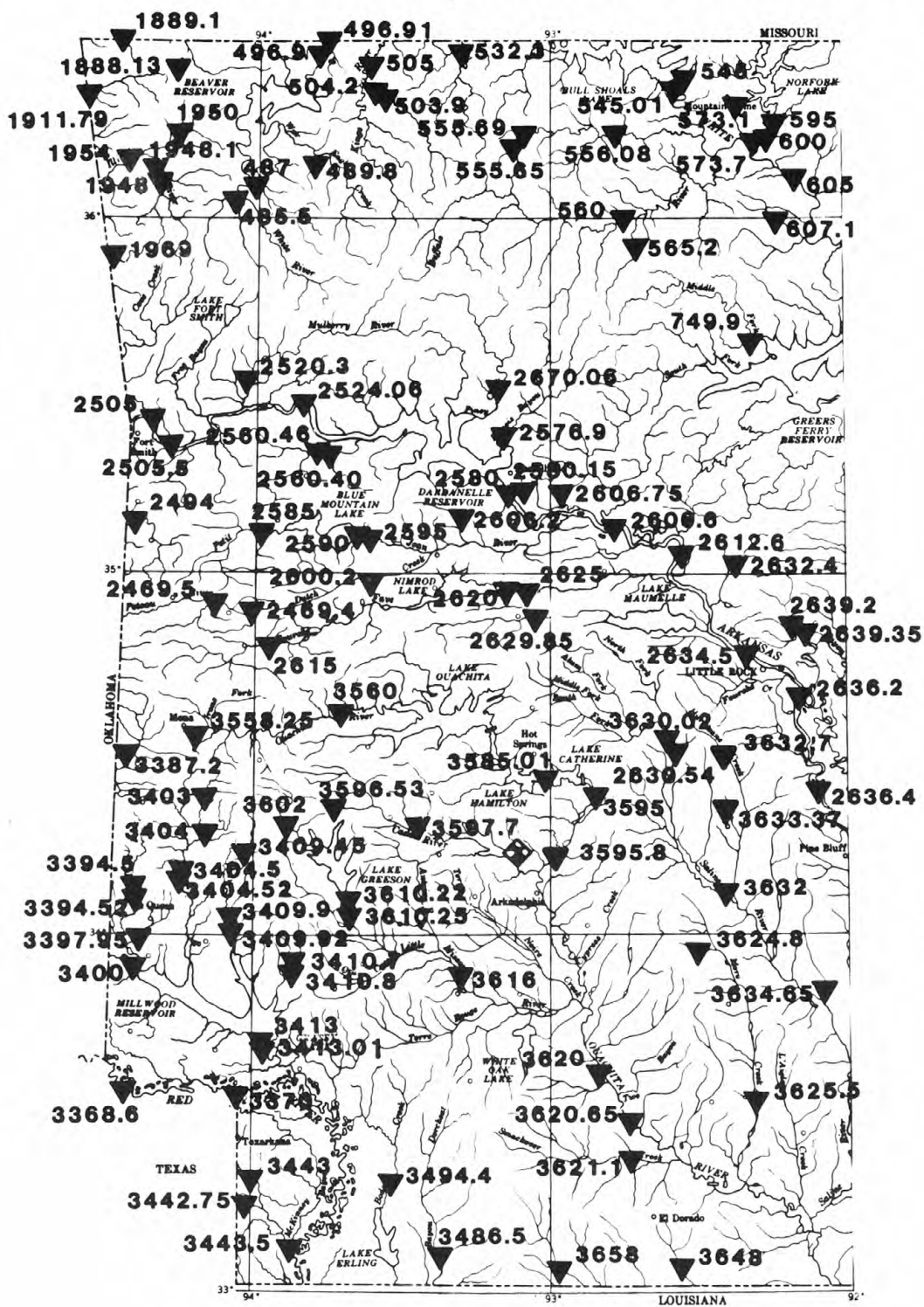
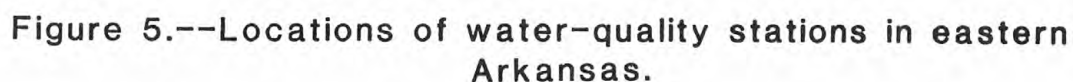


Figure 4.--Locations of water-quality stations in western Arkansas.



07032000 MISSISSIPPI RIVER AT MEMPHIS, TENN.

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-DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: January 1933 to current year. Monthly discharge only for some periods, published in WSP 1311.

Gage heights: October 1934 to September 1951 and October 1952 to current year in reports of Geological Survey. Since November 1871, at Beale Street gage, in reports of Mississippi River Commission, December 1890 to August 1932 at Beale Street gage, September 1932 to December 1934 at nonrecording gage 1,000 ft downstream, and since December 1934 at water-stage recorder at present site, in reports of National Weather Service.

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

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

COOPERATION.--Records furnished by U.S. Army Corps of Engineers.

AVERAGE DISCHARGE.--54 years, 485,000 ft³/s, 351,400,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,980,000 ft³/s Feb. 8, 1937; maximum gage height, 48.69 ft Feb. 10, 1937; minimum discharge, 79,200 ft³/s Aug. 26, 1936; minimum gage height, -5.70 ft Sept. 21, 1976.

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

EXTREMES FOR 1982 WATER YEAR.--Maximum discharge, 1,120,1000 ft³/s, Mar. 31, gage height, 30.90 ft; minimum daily, 191,000 ft³/s Oct. 1.

EXTREMES FOR 1983 WATER YEAR.--Maximum discharge, 1,640,000 ft³/s May 19; minimum gage height, 39.20 ft May 15; minimum daily discharge, 165,000 ft³/s Sept. 20.

EXTREMES FOR 1984 WATER YEAR.--Maximum discharge, 1,590,000 ft³/s May 21; maximum gage height, 38.70 ft May 18-19; minimum daily discharge, 183,000 ft³/s Oct. 14-15.

EXTREMES FOR 1985 WATER YEAR.--Maximum discharge, 1,300,000 ft³/s Mar. 12, gage height, 32.90 ft; minimum daily, 190,000 ft³/s Sept. 20.

EXTREMES FOR 1986 WATER YEAR.--Maximum discharge, 1,140,000 ft³/s Dec. 9, gage height, 28.90 ft; minimum daily, 200,000 ft³/s Sept. 5.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 942,000 ft³/s Mar. 22-23; minimum daily, 193,000 ft³/s Aug. 18.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	191000	281000	256000	474000	907000	1110000	1190000	617000	584000	399000	417000	334000
2	198000	304000	267000	475000	933000	1120000	1180000	598000	610000	393000	393000	361000
3	205000	323000	285000	460000	980000	1110000	1170000	585000	662000	395000	374000	390000
4	210000	332000	327000	439000	1020000	1090000	1140000	575000	730000	410000	365000	423000
5	213000	330000	356000	420000	1040000	1070000	1100000	558000	785000	430000	357000	472000
6	210000	326000	370000	426000	1040000	1020000	1030000	533000	821000	438000	351000	527000
7	207000	314000	373000	511000	1030000	956000	976000	518000	828000	460000	346000	569000
8	208000	308000	380000	605000	1010000	879000	930000	517000	804000	484000	340000	552000
9	213000	339000	385000	662000	1020000	797000	904000	505000	778000	520000	337000	505000
10	217000	367000	382000	688000	989000	738000	887000	496000	764000	556000	333000	468000
11	219000	363000	366000	712000	971000	698000	871000	490000	763000	572000	335000	439000
12	219000	349000	342000	717000	964000	671000	845000	481000	766000	573000	345000	410000
13	220000	329000	321000	707000	955000	649000	803000	471000	785000	549000	364000	379000
14	222000	313000	298000	682000	937000	634000	768000	472000	805000	537000	379000	364000
15	225000	298000	284000	638000	938000	633000	734000	472000	808000	526000	372000	342000
16	225000	283000	276000	576000	920000	645000	705000	463000	833000	499000	369000	336000
17	229000	273000	273000	506000	883000	682000	718000	448000	827000	474000	344000	346000
18	236000	259000	271000	450000	844000	745000	704000	422000	817000	456000	311000	347000
19	237000	245000	263000	403000	805000	805000	691000	408000	798000	442000	304000	353000
20	240000	232000	259000	369000	764000	879000	701000	399000	776000	434000	355000	368000
21	245000	223000	258000	349000	782000	933000	716000	411000	763000	437000	404000	376000
22	260000	218000	255000	336000	826000	990000	734000	432000	745000	443000	420000	378000
23	272000	216000	248000	337000	890000	1030000	761000	452000	717000	452000	421000	365000
24	274000	219000	242000	360000	940000	1070000	777000	486000	684000	472000	390000	349000
25	277000	222000	249000	448000	997000	1100000	776000	516000	643000	499000	357000	338000
26	281000	231000	284000	616000	1040000	1120000	771000	536000	596000	522000	329000	327000
27	276000	241000	336000	725000	1080000	1150000	750000	540000	544000	538000	316000	317000
28	271000	249000	379000	797000	1100000	1160000	706000	541000	494000	538000	307000	307000
29	269000	248000	408000	845000	---	1180000	662000	560000	469000	523000	299000	286000
30	271000	248000	432000	876000	---	1190000	634000	573000	420000	488000	302000	268000
31	275000	---	457000	912000	---	1200000	---	574000	---	449000	314000	---
TOTAL	7515000	8483000	9882000	17521000	26605000	29054000	25334000	15649000	21419000	14908000	10950000	11596000
MEAN	236000	282800	318800	565200	950200	937200	844500	504800	714000	480900	353200	386500
MAX	281000	367000	457000	912000	1100000	1200000	1190000	617000	833000	573000	421000	569000
MIN	191000	216000	242000	336000	764000	633000	634000	399000	420000	393000	299000	268000
AC-FT	14510000	16830000	19600000	34750000	52770000	57630000	50250000	31040000	42480000	29570000	21720000	23000000
CAL YR 1981	TOTAL	149275000	MEAN	409000	MAX	953000	MIN	139000	AC-FT	296100000		
WTR YR 1982	TOTAL	198716000	MEAN	544400	MAX	1200000	MIN	191000	AC-FT	394200000		

07032000 MISSISSIPPI RIVER AT MEMPHIS, TENN.--CONTINUED

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	263000	277000	559000	1220000	523000	550000	662000	1120000	1600000	491000	350000	213000
2	251000	272000	596000	1260000	513000	553000	667000	1100000	1570000	481000	320000	221000
3	243000	268000	624000	1300000	511000	544000	680000	1110000	1530000	477000	302000	218000
4	236000	265000	696000	1310000	507000	533000	711000	1130000	1490000	483000	287000	220000
5	227000	265000	758000	1320000	514000	522000	751000	1180000	1450000	510000	280000	224000
6	217000	274000	871000	1320000	545000	530000	786000	1230000	1380000	538000	280000	220000
7	216000	288000	975000	1300000	588000	527000	823000	1300000	1300000	550000	278000	204000
8	226000	316000	1030000	1280000	619000	543000	877000	1370000	1220000	553000	277000	191000
9	225000	333000	1090000	1220000	638000	568000	941000	1420000	1130000	551000	281000	184000
10	230000	331000	1150000	1130000	652000	609000	992000	1480000	1050000	541000	279000	190000
11	228000	332000	1200000	1020000	664000	634000	1050000	1510000	974000	536000	283000	201000
12	230000	330000	1230000	908000	659000	649000	1120000	1540000	899000	523000	286000	205000
13	234000	315000	1250000	804000	644000	658000	1180000	1560000	815000	516000	282000	199000
14	248000	297000	1250000	726000	627000	650000	1230000	1560000	727000	506000	269000	193000
15	259000	280000	1250000	664000	608000	646000	1280000	1580000	653000	493000	262000	185000
16	274000	277000	1240000	620000	592000	640000	1300000	1580000	602000	476000	258000	185000
17	304000	281000	1210000	587000	581000	628000	1320000	1610000	565000	459000	249000	194000
18	312000	294000	1170000	566000	575000	617000	1340000	1640000	536000	441000	245000	192000
19	303000	323000	1140000	545000	556000	599000	1370000	1640000	518000	427000	243000	177000
20	304000	363000	1110000	517000	542000	583000	1370000	1610000	507000	409000	237000	165000
21	306000	379000	1070000	492000	527000	573000	1360000	1600000	508000	398000	230000	170000
22	301000	392000	1040000	473000	528000	563000	1350000	1590000	512000	402000	220000	175000
23	296000	401000	1010000	468000	538000	568000	1340000	1570000	518000	400000	214000	180000
24	292000	413000	980000	447000	545000	595000	1350000	1580000	538000	392000	209000	180000
25	287000	429000	974000	447000	536000	622000	1330000	1590000	552000	379000	206000	183000
26	283000	446000	973000	472000	529000	644000	1310000	1600000	556000	376000	210000	192000
27	278000	469000	997000	508000	534000	666000	1280000	1610000	548000	379000	216000	193000
28	274000	497000	1040000	538000	543000	671000	1240000	1620000	538000	389000	217000	191000
29	272000	510000	1090000	551000	---	667000	1200000	1630000	522000	406000	217000	190000
30	275000	527000	1150000	554000	---	669000	1160000	1630000	501000	410000	213000	193000
31	280000	---	1200000	537000	---	665000	---	1630000	---	390000	211000	---
TOTAL	8174000	10444000	31923000	25104000	15938000	18686000	33370000	45920000	25809000	14282000	7911000	5828000
MEAN	263700	348100	1030000	809800	569200	602800	1112000	1481000	860300	460700	255200	194300
MAX	312000	527000	1250000	1320000	664000	671000	1370000	1640000	1600000	553000	350000	224000
MIN	216000	265000	559000	447000	507000	522000	662000	1100000	501000	376000	206000	165000
AC-FT	16210000	20720000	63320000	49790000	31610000	37060000	66190000	91080000	51190000	28330000	15690000	11560000
CAL YR 1982	TOTAL	223577000	MEAN	612500	MAX	1250000	MIN	216000	AC-FT	443500000		
WTR YR 1983	TOTAL	243389000	MEAN	666800	MAX	1640000	MIN	165000	AC-FT	482800000		

MISSISSIPPI RIVER MAIN STEM

07032000 MISSISSIPPI RIVER AT MEMPHIS, TENN.--CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	202000	379000	679000	484000	492000	810000	1180000	1210000	990000	640000	397000	231000
2	207000	338000	727000	479000	498000	792000	1230000	1230000	952000	641000	396000	229000
3	211000	309000	796000	489000	489000	788000	1270000	1260000	923000	631000	388000	228000
4	210000	295000	834000	506000	468000	785000	1290000	1270000	902000	625000	375000	229000
5	214000	280000	856000	516000	446000	833000	1290000	1270000	882000	619000	365000	236000
6	213000	266000	887000	508000	422000	858000	1290000	1270000	862000	624000	357000	245000
7	209000	262000	914000	479000	411000	883000	1310000	1270000	847000	647000	351000	249000
8	208000	271000	948000	449000	419000	904000	1320000	1300000	811000	666000	343000	240000
9	202000	293000	973000	423000	425000	934000	1330000	1330000	762000	678000	335000	236000
10	195000	320000	986000	411000	431000	940000	1330000	1350000	706000	680000	330000	226000
11	196000	338000	990000	399000	421000	938000	1340000	1370000	652000	686000	311000	218000
12	189000	331000	977000	395000	412000	927000	1330000	1410000	599000	702000	303000	208000
13	186000	313000	955000	398000	416000	908000	1330000	1450000	564000	693000	299000	212000
14	183000	301000	938000	408000	407000	872000	1320000	1490000	560000	680000	294000	233000
15	183000	296000	929000	410000	430000	814000	1310000	1520000	576000	660000	299000	245000
16	188000	304000	929000	403000	483000	731000	1300000	1550000	595000	644000	303000	255000
17	194000	323000	932000	395000	543000	666000	1290000	1570000	619000	629000	323000	260000
18	195000	343000	940000	378000	616000	630000	1270000	1580000	625000	619000	342000	251000
19	198000	351000	922000	367000	684000	638000	1240000	1580000	625000	605000	349000	243000
20	211000	365000	897000	357000	734000	688000	1210000	1580000	625000	580000	349000	248000
21	217000	347000	876000	350000	774000	753000	1170000	1590000	619000	552000	349000	259000
22	221000	358000	833000	350000	804000	821000	1110000	1550000	615000	532000	335000	268000
23	229000	404000	772000	346000	835000	876000	1040000	1520000	619000	518000	318000	271000
24	257000	445000	710000	343000	883000	929000	1000000	1480000	626000	505000	295000	267000
25	318000	468000	657000	339000	891000	970000	982000	1420000	627000	492000	280000	245000
26	374000	501000	617000	327000	903000	1000000	998000	1370000	635000	456000	262000	236000
27	418000	551000	592000	325000	898000	1020000	1040000	1300000	636000	430000	248000	237000
28	442000	605000	572000	344000	882000	1050000	1090000	1230000	633000	416000	241000	252000
29	447000	631000	563000	378000	846000	1060000	1140000	1150000	631000	407000	236000	256000
30	442000	646000	552000	421000	---	1090000	1190000	1090000	635000	404000	233000	242000
31	418000	---	524000	465000	---	1130000	---	1030000	---	398000	232000	---
TOTAL	7777000	11234000	25277000	12642000	17363000	27038000	36540000	42590000	20953000	18059000	9838000	7255000
MEAN	250900	374500	815400	407800	598700	872200	1218000	1374000	698400	582500	317400	241800
MAX	447000	646000	990000	516000	903000	1130000	1340000	1590000	990000	702000	397000	271000
MIN	183000	262000	524000	325000	407000	630000	982000	1030000	560000	398000	232000	208000
AC-FT	15430000	22280000	50140000	25080000	34440000	53630000	72480000	84480000	41560000	35820000	19510000	14390000
CAL YR 1983	TOTAL	237136000	MEAN	649700	MAX	1640000	MIN	165000	AC-FT	470400000		
WTR YR 1984	TOTAL	236566000	MEAN	646400	MAX	1590000	MIN	183000	AC-FT	469200000		

07032000 MISSISSIPPI RIVER AT MEMPHIS, TENN.--CONTINUED

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	230000	413000	602000	860000	329000	1070000	731000	544000	449000	364000	218000	325000
2	215000	427000	659000	876000	320000	1120000	778000	570000	424000	350000	225000	307000
3	202000	448000	694000	921000	317000	1160000	874000	579000	395000	334000	233000	306000
4	194000	515000	701000	970000	320000	1190000	911000	571000	379000	318000	246000	301000
5	196000	589000	697000	1010000	421000	1220000	956000	602000	374000	311000	261000	287000
6	199000	642000	686000	1040000	487000	1250000	977000	641000	379000	321000	270000	272000
7	206000	677000	660000	1060000	554000	1260000	1010000	674000	404000	328000	269000	269000
8	211000	697000	616000	1060000	592000	1270000	1020000	699000	432000	332000	272000	294000
9	213000	691000	567000	1030000	601000	1280000	1030000	701000	455000	328000	265000	287000
10	214000	682000	522000	998000	600000	1290000	1040000	681000	467000	319000	254000	262000
11	213000	644000	489000	963000	594000	1290000	1040000	640000	477000	311000	251000	245000
12	212000	602000	460000	928000	585000	1300000	1040000	617000	483000	304000	259000	234000
13	207000	573000	437000	897000	591000	1290000	1040000	561000	495000	308000	267000	227000
14	203000	565000	418000	863000	618000	1270000	1020000	492000	514000	317000	276000	219000
15	202000	576000	411000	812000	643000	1230000	987000	460000	542000	321000	270000	211000
16	200000	585000	427000	747000	667000	1200000	949000	433000	543000	321000	265000	204000
17	204000	583000	462000	678000	699000	1160000	910000	423000	515000	320000	256000	201000
18	210000	585000	492000	613000	698000	1120000	867000	427000	491000	307000	259000	198000
19	214000	583000	519000	561000	689000	1110000	813000	444000	471000	295000	277000	193000
20	219000	548000	560000	521000	680000	1100000	771000	469000	451000	292000	313000	190000
21	230000	521000	594000	500000	660000	1080000	727000	476000	446000	292000	340000	193000
22	250000	535000	618000	478000	636000	1080000	683000	483000	461000	296000	350000	195000
23	277000	586000	655000	424000	627000	1060000	662000	481000	476000	280000	359000	194000
24	336000	637000	731000	410000	659000	1040000	670000	479000	471000	257000	362000	196000
25	403000	668000	785000	403000	732000	1000000	635000	480000	451000	241000	355000	203000
26	443000	674000	828000	389000	865000	943000	590000	469000	415000	232000	338000	212000
27	448000	650000	852000	381000	960000	872000	559000	450000	385000	234000	348000	216000
28	445000	608000	864000	366000	1020000	810000	543000	428000	376000	222000	351000	223000
29	436000	562000	872000	353000	---	749000	551000	427000	370000	214000	345000	230000
30	419000	558000	868000	346000	---	724000	549000	436000	368000	213000	346000	242000
31	414000	---	860000	338000	---	718000	---	451000	---	215000	340000	---
TOTAL	8265000	17624000	19606000	21796000	17164000	34256000	24933000	16288000	13359000	9097000	9040000	7136000
MEAN	266600	587500	632500	703100	613000	1105000	831100	525400	445300	293500	291600	237900
MAX	448000	697000	872000	1060000	1020000	1300000	1040000	701000	543000	364000	362000	325000
MIN	194000	413000	411000	338000	317000	718000	543000	423000	368000	213000	218000	190000
AC-FT	16390000	34960000	38890000	43230000	34040000	67950000	49450000	32310000	26500000	18040000	17930000	14150000
CAL YR 1984	TOTAL	237773000	MEAN	649700	MAX	1590000	MIN	194000	AC-FT	471600000		
WTR YR 1985	TOTAL	198564000	MEAN	544000	MAX	1300000	MIN	190000	AC-FT	393900000		

MISSISSIPPI RIVER MAIN STEM

07032000 MISSISSIPPI RIVER AT MEMPHIS, TENN.--CONTINUED

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	249000	426000	1090000	452000	437000	755000	569000	456000	651000	333000	334000	230000
2	252000	441000	1080000	430000	410000	738000	537000	430000	626000	334000	328000	215000
3	253000	444000	1070000	411000	394000	701000	512000	410000	595000	343000	319000	213000
4	257000	436000	1070000	399000	389000	657000	490000	400000	586000	353000	307000	210000
5	258000	428000	1080000	395000	486000	614000	473000	405000	567000	385000	295000	200000
6	261000	443000	1100000	389000	581000	580000	457000	416000	550000	418000	290000	205000
7	274000	476000	1120000	385000	667000	550000	447000	425000	533000	449000	282000	229000
8	290000	491000	1130000	381000	741000	516000	435000	426000	530000	474000	271000	247000
9	297000	504000	1140000	377000	775000	489000	440000	420000	541000	485000	261000	255000
10	296000	524000	1130000	366000	805000	464000	454000	422000	559000	472000	256000	255000
11	294000	549000	1120000	350000	854000	452000	467000	423000	602000	444000	255000	249000
12	289000	571000	1120000	333000	864000	458000	472000	425000	638000	436000	256000	230000
13	282000	601000	1110000	316000	886000	468000	469000	431000	646000	455000	255000	216000
14	273000	638000	1090000	311000	891000	492000	465000	430000	617000	480000	252000	226000
15	281000	668000	1080000	306000	892000	541000	463000	439000	588000	510000	249000	233000
16	324000	694000	1060000	303000	884000	612000	464000	464000	567000	539000	242000	230000
17	396000	740000	1030000	298000	876000	686000	460000	523000	548000	564000	224000	227000
18	454000	752000	995000	294000	855000	743000	460000	588000	537000	576000	217000	241000
19	484000	809000	961000	291000	829000	791000	462000	603000	527000	585000	227000	273000
20	490000	861000	920000	295000	804000	824000	465000	585000	509000	573000	254000	270000
21	481000	904000	890000	298000	783000	857000	467000	571000	484000	554000	280000	283000
22	468000	947000	869000	307000	772000	873000	476000	572000	465000	523000	294000	282000
23	483000	982000	851000	325000	776000	876000	486000	578000	454000	492000	290000	273000
24	507000	1010000	830000	359000	794000	878000	490000	608000	435000	462000	283000	284000
25	525000	1040000	781000	400000	807000	885000	491000	643000	411000	432000	275000	321000
26	532000	1060000	711000	429000	808000	888000	490000	666000	392000	409000	266000	360000
27	526000	1100000	657000	438000	788000	869000	490000	687000	370000	391000	254000	399000
28	497000	1110000	630000	474000	773000	823000	489000	692000	351000	377000	239000	435000
29	471000	1110000	578000	493000	---	749000	484000	685000	341000	364000	224000	462000
30	442000	1100000	527000	485000	---	677000	472000	675000	333000	351000	218000	488000
31	426000	---	503000	466000	---	616000	---	668000	---	341000	230000	---
TOTAL	11612000	21859000	29323000	11556000	20621000	21122000	14296000	16166000	15553000	13904000	8227000	8241000
MEAN	374600	728600	945900	372800	736500	681400	476500	521500	518400	448500	265400	274700
MAX	532000	1110000	1140000	493000	892000	888000	569000	692000	651000	585000	334000	488000
MIN	249000	426000	503000	291000	389000	452000	435000	400000	333000	333000	217000	200000
AC-FT	23030000	43360000	58160000	22920000	40900000	41900000	28360000	32070000	30850000	27580000	16320000	16350000
CAL YR 1985	TOTAL	215863000	MEAN	591400	MAX	1300000	MIN	190000	AC-FT	428200000		
WTR YR 1986	TOTAL	192480000	MEAN	527300	MAX	1140000	MIN	200000	AC-FT	381800000		

07032000 MISSISSIPPI RIVER AT MEMPHIS, TENN. - CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	502000	592000	782000	588000	412000	609000	523000	642000	372000	285000	239000	230000
2	506000	595000	827000	598000	393000	686000	553000	622000	393000	278000	239000	259000
3	518000	595000	846000	594000	382000	771000	593000	611000	422000	272000	238000	293000
4	545000	597000	860000	571000	387000	834000	625000	596000	441000	266000	249000	306000
5	578000	591000	874000	534000	410000	876000	649000	573000	445000	263000	256000	306000
6	632000	578000	889000	498000	435000	907000	667000	545000	437000	274000	250000	301000
7	681000	590000	894000	471000	460000	932000	679000	515000	422000	289000	251000	288000
8	727000	575000	899000	447000	478000	941000	685000	487000	401000	313000	255000	271000
9	771000	563000	900000	430000	481000	935000	680000	470000	393000	344000	257000	260000
10	800000	572000	901000	416000	479000	915000	667000	469000	380000	360000	260000	249000
11	834000	603000	901000	401000	475000	885000	656000	471000	362000	416000	256000	242000
12	846000	635000	917000	382000	463000	839000	654000	465000	345000	433000	240000	241000
13	849000	677000	930000	361000	448000	775000	681000	447000	335000	443000	222000	252000
14	848000	717000	933000	346000	433000	712000	697000	419000	329000	432000	215000	259000
15	829000	741000	928000	341000	421000	646000	721000	388000	330000	423000	213000	258000
16	810000	745000	906000	339000	412000	591000	762000	358000	323000	424000	207000	245000
17	780000	734000	893000	337000	400000	568000	805000	338000	316000	433000	197000	236000
18	758000	699000	876000	335000	393000	552000	847000	327000	300000	438000	193000	241000
19	742000	646000	867000	331000	386000	540000	890000	315000	297000	437000	198000	247000
20	725000	580000	832000	328000	383000	516000	928000	307000	300000	429000	209000	244000
21	705000	530000	772000	335000	377000	496000	940000	303000	306000	410000	217000	237000
22	685000	500000	708000	363000	375000	481000	942000	298000	314000	383000	229000	234000
23	654000	482000	643000	410000	388000	481000	942000	296000	300000	356000	244000	236000
24	642000	471000	600000	446000	407000	507000	940000	301000	288000	333000	252000	246000
25	616000	479000	567000	483000	427000	541000	932000	320000	285000	310000	254000	265000
26	598000	493000	550000	517000	457000	556000	920000	341000	287000	290000	257000	279000
27	591000	501000	540000	533000	500000	549000	889000	366000	294000	271000	258000	282000
28	588000	538000	537000	536000	552000	528000	829000	382000	299000	257000	248000	274000
29	584000	611000	549000	521000	---	511000	763000	385000	301000	246000	234000	260000
30	580000	704000	553000	484000	---	502000	686000	378000	295000	237000	224000	243000
31	583000	---	890000	443000	---	509000	---	367000	---	233000	222000	---
TOTAL	21107000	17934000	24564000	13719000	12014000	20691000	22745000	13102000	10312000	10604000	7283000	7784000
MEAN	680900	597800	792400	442500	429100	667500	758200	422600	343700	342100	234900	259500
MAX	849000	745000	933000	598000	552000	941000	942000	642000	445000	443000	260000	306000
MIN	502000	471000	537000	328000	375000	481000	523000	296000	285000	233000	193000	230000
AC-FT	41870000	35570000	48720000	27210000	23830000	41040000	45110000	25990000	20450000	21030000	14450000	15440000
CAL YR 1986	TOTAL	193291000	MEAN	529600	MAX	933000	MIN	200000	AC-FT	383400000		
WTR YR 1987	TOTAL	181859000	MEAN	498200	MAX	942000	MIN	193000	AC-FT	360700000		

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1981 TO SEPTEMBER 1982
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-1.70	3.20	.90	11.10	23.30	28.00	30.80	16.70	15.80	9.50	10.00	6.10
2	-1.30	4.50	1.50	11.10	23.90	28.10	30.60	16.10	16.70	9.20	9.10	7.30
3	-.90	5.50	2.40	10.50	24.90	28.00	30.40	15.70	18.30	9.30	8.40	8.60
4	-.60	6.00	4.50	9.60	25.80	27.70	30.00	15.40	20.20	9.90	8.10	10.00
5	-.50	5.90	6.10	8.80	26.20	27.20	29.10	14.90	21.60	10.70	7.60	12.00
6	-.70	5.70	7.00	9.00	26.20	26.40	27.90	14.10	22.50	11.00	7.20	14.10
7	-1.00	5.10	7.30	12.30	26.10	25.10	26.80	13.60	22.70	11.90	6.80	15.50
8	-1.00	4.80	7.80	15.40	25.80	23.50	25.90	13.60	22.20	12.80	6.40	15.00
9	-.70	6.30	8.10	17.10	26.00	21.70	25.40	13.20	21.60	14.10	6.10	13.40
10	-.50	7.70	8.00	17.80	25.40	20.30	24.80	12.90	21.30	15.30	5.80	11.50
11	-.40	7.50	7.30	18.40	25.10	19.30	24.20	12.70	21.30	15.80	5.70	9.90
12	-.50	6.80	6.10	18.50	25.00	18.60	23.40	12.40	21.40	15.80	6.20	8.20
13	-.50	5.80	5.10	18.20	24.80	18.00	22.30	12.10	21.90	15.00	7.10	6.40
14	-.40	5.00	4.00	17.50	24.40	17.60	21.30	12.20	22.40	14.60	7.80	5.30
15	-.30	4.20	3.30	16.20	24.40	17.60	20.30	12.30	22.50	14.20	7.60	4.60
16	-.30	3.40	2.80	14.20	24.00	18.00	19.40	12.00	23.10	13.20	7.50	4.60
17	-.10	2.80	2.60	11.80	23.20	19.10	19.60	11.50	23.00	12.20	6.50	5.30
18	.30	2.00	2.40	9.60	22.30	20.80	19.10	10.50	22.80	11.50	5.00	5.60
19	.30	1.10	1.90	7.60	21.40	22.30	18.60	9.70	22.40	10.90	4.60	6.10
20	.40	.30	1.60	6.10	20.40	24.00	18.90	9.10	21.90	10.50	6.90	7.00
21	.70	-.40	1.50	5.20	20.80	25.20	19.30	9.40	21.60	10.60	9.00	7.60
22	1.60	-.80	1.30	4.60	21.80	26.40	19.80	10.10	21.20	10.80	9.60	7.80
23	2.30	-1.00	.80	4.60	23.20	27.30	20.50	10.70	20.50	11.10	9.60	7.30
24	2.40	-.90	.40	5.60	24.30	28.00	20.90	11.80	19.60	11.80	8.30	6.70
25	2.60	-.80	.80	9.30	25.50	28.70	20.90	13.00	18.40	12.80	6.90	6.30
26	2.80	-.30	2.80	15.30	26.40	29.20	20.80	13.80	16.90	13.60	5.70	5.90
27	2.60	.30	5.40	18.50	27.20	29.80	20.30	14.00	15.20	14.10	5.10	5.50
28	2.40	.70	7.50	20.40	27.60	30.10	19.20	14.10	13.40	14.20	4.70	5.10
29	2.30	.60	8.80	21.60	---	30.50	18.00	14.80	12.40	13.80	4.30	4.10
30	2.50	.50	9.80	22.40	---	30.70	17.20	15.30	10.40	12.60	4.50	3.20
31	2.80	---	10.80	23.30	---	30.90	---	15.40	---	11.20	5.10	---

MISSISSIPPI RIVER MAIN STEM

07032000 MISSISSIPPI RIVER AT MEMPHIS, TENN.--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.90	1.90	15.00	30.20	12.50	14.40	18.00	31.70	38.40	12.90	7.80	.60
2	2.10	1.90	16.20	31.00	12.20	14.40	18.20	31.30	38.20	12.50	6.50	1.10
3	1.60	1.90	17.10	31.70	12.20	14.00	18.60	31.70	37.70	12.30	5.70	.90
4	1.10	2.00	19.20	32.10	12.10	13.50	19.60	32.00	37.30	12.50	5.00	1.00
5	.50	2.30	20.80	32.20	12.40	13.00	20.80	32.80	36.70	13.50	4.50	1.20
6	-.20	2.80	23.40	32.40	13.60	13.20	21.80	33.80	35.80	14.50	4.40	.90
7	-.30	3.60	25.60	32.10	15.30	13.00	22.80	34.90	34.50	14.90	4.20	-.20
8	.30	5.00	26.80	31.70	16.40	13.50	24.20	36.10	33.00	15.00	4.10	-1.10
9	.20	5.80	28.00	30.70	17.10	14.60	25.80	37.00	31.30	14.90	4.20	-1.70
10	.50	5.70	29.10	29.10	17.60	16.20	27.00	37.80	29.60	14.50	4.00	-1.30
11	.30	5.80	30.10	26.70	18.00	17.20	28.40	38.30	27.90	14.30	4.10	-.50
12	.40	5.70	30.50	24.00	17.90	17.80	29.80	38.70	26.10	13.80	4.20	-.30
13	.60	5.00	30.80	21.30	17.50	18.20	30.90	39.00	23.90	13.50	3.90	-.70
14	1.40	4.10	30.90	19.10	17.00	18.10	32.10	38.90	21.40	13.20	3.10	-1.20
15	2.00	3.20	30.90	17.20	16.40	17.90	33.10	39.20	19.10	12.80	2.60	-1.80
16	2.80	3.10	30.70	15.80	15.90	17.60	33.70	39.10	17.40	12.20	2.50	-1.90
17	4.30	3.30	30.20	14.70	15.60	17.10	34.30	38.90	16.00	11.60	2.10	-1.20
18	4.60	4.00	29.50	13.90	15.40	16.60	34.80	38.60	14.90	10.90	2.00	-1.40
19	4.10	5.40	28.90	13.10	14.80	15.90	35.30	38.90	14.20	10.40	2.00	-2.60
20	4.10	7.20	28.30	12.10	14.40	15.30	35.30	38.50	13.80	9.70	1.80	-3.50
21	4.10	7.90	27.60	11.20	14.00	14.80	35.20	38.50	13.80	9.30	1.50	-3.20
22	3.80	8.50	27.00	10.50	14.20	14.30	35.10	38.50	13.90	9.50	1.00	-2.80
23	3.50	8.90	26.40	10.30	14.70	14.40	35.00	38.40	14.10	9.50	.80	-2.50
24	3.20	9.40	25.70	9.50	15.10	15.30	35.20	38.20	14.80	9.20	.60	-2.50
25	2.90	10.10	25.50	9.50	14.90	16.10	35.00	38.20	15.30	8.70	.40	-2.30
26	2.60	10.80	25.40	10.50	14.40	17.00	34.60	38.30	15.40	8.60	.60	-1.70
27	2.30	11.70	25.80	11.90	14.30	17.80	34.20	38.50	15.10	8.80	1.00	-1.60
28	2.00	12.80	26.60	13.00	14.40	18.10	33.60	38.60	14.70	9.30	1.00	-1.80
29	1.80	13.30	27.50	13.50	---	18.10	33.00	38.70	14.10	10.10	1.00	-1.90
30	1.90	13.90	28.40	13.60	---	18.20	32.30	38.70	13.30	10.30	.70	-1.70
31	2.10	---	29.30	13.00	---	18.10	---	38.60	---	9.50	.50	---

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-1.10	8.40	19.60	12.00	11.20	20.90	29.40	31.30	27.50	18.30	9.90	1.80
2	-.80	6.60	21.00	11.80	11.40	20.50	30.00	31.80	26.30	18.30	9.90	1.60
3	-.60	5.20	22.90	12.10	11.10	20.50	31.00	32.70	25.30	18.00	9.60	1.50
4	-.70	4.50	23.80	12.60	10.40	20.50	31.40	33.10	24.50	17.80	9.10	1.50
5	-.50	3.70	24.30	12.90	9.60	21.80	31.60	33.10	24.00	17.60	8.70	1.90
6	-.60	2.90	25.00	12.60	8.70	22.50	31.70	33.20	23.50	17.70	8.40	2.40
7	-.90	2.60	25.60	11.60	8.30	23.20	32.00	33.30	23.10	18.30	8.20	2.60
8	-1.00	3.20	26.30	10.50	8.60	23.80	32.30	34.00	22.20	18.80	7.90	2.00
9	-1.40	4.50	26.80	9.50	8.80	24.60	32.60	34.30	20.90	19.10	7.60	1.70
10	-1.90	5.90	27.00	9.00	9.00	24.80	32.80	34.60	19.40	19.10	7.40	.90
11	-1.90	6.80	27.00	8.50	8.90	24.80	33.00	35.10	17.90	19.20	6.60	.30
12	-2.40	6.60	26.60	8.30	8.80	24.60	33.00	35.80	16.40	19.60	6.20	-.40
13	-2.70	5.80	26.00	8.30	9.20	24.20	33.00	36.60	15.30	19.30	6.00	-.10
14	-2.90	5.30	25.50	8.60	8.90	23.40	32.90	37.20	15.10	18.90	5.80	1.20
15	-2.90	5.10	25.20	8.60	9.80	22.00	32.80	37.80	15.50	18.30	6.00	1.70
16	-2.50	5.60	25.10	8.20	11.70	19.90	32.80	38.30	16.00	17.80	6.20	2.00
17	-2.00	6.60	25.10	7.80	13.70	17.90	32.60	38.50	16.60	17.30	7.10	2.00
18	-2.10	7.60	25.20	7.10	15.90	16.70	32.40	38.70	16.70	16.90	7.90	1.20
19	-2.00	8.00	24.70	6.60	17.80	16.70	32.00	38.70	16.90	16.40	8.20	.40
20	-1.30	8.70	24.00	6.20	19.20	18.10	31.50	38.60	17.10	15.70	8.20	.40
21	-1.00	8.00	23.50	5.90	20.30	19.90	30.70	38.60	17.10	14.90	8.20	.80
22	-.90	8.40	22.40	5.90	21.10	21.70	29.70	38.40	17.20	14.30	7.60	1.00
23	-.50	10.30	20.80	5.70	21.80	23.10	28.40	38.20	17.50	13.90	6.90	.90
24	1.10	11.90	19.00	5.60	22.90	24.40	27.30	37.60	17.90	13.50	5.80	.40
25	4.50	12.70	17.40	5.40	23.00	25.40	26.70	36.80	18.10	13.10	5.00	-.20
26	7.20	13.90	16.10	4.90	23.20	26.20	26.90	35.90	18.30	11.90	4.00	.00
27	9.30	15.60	15.30	4.80	23.00	26.60	27.60	34.70	18.30	11.00	3.10	.90
28	10.50	17.50	14.60	5.60	22.50	27.30	28.70	33.50	18.20	10.50	2.70	1.90
29	10.90	18.30	14.30	7.00	21.70	27.70	29.60	32.00	18.10	10.20	2.30	2.20
30	10.90	18.70	13.90	8.70	---	28.40	30.60	30.30	18.20	10.10	2.00	1.40
31	10.10	---	12.90	10.30	---	28.70	---	28.80	---	9.90	1.90	---

MISSISSIPPI RIVER MAIN STEM

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07032000 MISSISSIPPI RIVER AT MEMPHIS, TENN.--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.60	9.90	15.60	22.60	5.00	26.80	18.90	14.00	10.90	7.70	-.40	5.60
2	-.20	10.30	17.20	23.00	4.50	28.10	20.20	14.80	10.20	7.10	.10	4.80
3	-.90	11.00	18.20	24.10	4.30	29.20	22.70	15.10	9.30	6.30	.70	4.80
4	-1.20	13.20	18.40	25.30	4.40	30.10	23.70	14.90	8.80	5.50	1.60	4.60
5	-1.10	15.40	18.30	26.30	8.70	30.90	24.90	15.80	8.60	5.10	2.50	3.90
6	-.90	16.80	18.00	27.00	10.90	31.60	25.50	16.90	8.80	5.60	3.10	3.20
7	-.40	17.80	17.30	27.40	12.90	32.00	26.30	17.80	9.80	5.90	3.00	3.10
8	-.10	18.40	16.10	27.30	13.90	32.30	26.60	18.50	10.80	6.10	3.20	4.50
9	.00	18.30	14.70	26.70	14.10	32.50	27.00	18.60	11.60	5.90	2.80	4.20
10	.10	18.10	13.30	25.80	14.00	32.70	27.30	18.10	12.00	5.40	1.70	2.80
11	.00	17.10	12.20	24.90	13.80	32.80	27.50	17.00	12.30	5.00	1.10	1.70
12	-.10	16.00	11.20	24.00	13.50	32.90	27.60	16.40	12.50	4.60	1.20	1.00
13	-.50	15.20	10.40	23.20	13.60	32.80	27.50	14.90	12.90	4.80	1.30	.50
14	-.80	15.00	9.70	22.30	14.30	32.60	27.10	12.80	13.50	5.20	1.40	-.10
15	-.90	15.40	9.40	21.00	15.00	32.20	26.40	11.70	14.30	5.40	1.20	-.70
16	-1.10	15.70	10.00	19.30	15.70	31.70	25.30	10.70	14.30	5.40	1.00	-1.30
17	-.80	15.60	11.30	17.40	16.60	31.20	24.20	10.30	13.50	5.30	.50	-1.50
18	-.40	15.60	12.30	15.60	16.60	30.70	23.00	10.40	12.70	4.60	.80	-1.80
19	-.10	15.50	13.20	14.10	16.40	30.20	21.50	11.00	12.00	3.70	2.00	-2.30
20	.30	14.40	14.50	12.90	16.20	29.80	20.30	11.80	11.80	3.20	4.00	-2.60
21	1.10	13.50	15.50	12.20	15.70	29.30	19.00	12.00	11.10	2.90	5.40	-2.30
22	2.40	13.90	16.20	11.40	15.10	29.10	17.70	12.20	11.60	2.80	6.00	-2.10
23	4.00	15.40	17.20	9.50	14.90	28.50	17.00	12.10	12.10	2.20	6.50	-2.20
24	6.80	16.80	19.30	8.90	15.80	27.80	17.10	12.00	11.90	1.10	6.70	-2.00
25	9.60	17.60	20.70	8.60	17.80	26.70	16.20	12.00	11.20	.30	6.50	-1.70
26	11.10	17.70	21.80	8.00	21.30	25.10	15.00	11.60	9.90	-.10	5.80	-1.20
27	11.30	17.00	22.40	7.60	23.80	23.20	14.20	10.90	8.70	.30	6.40	-1.30
28	11.20	15.80	22.70	6.90	25.50	21.50	13.80	10.10	8.30	-.30	6.60	-1.10
29	10.90	14.40	22.90	6.30	---	19.80	14.10	10.00	8.00	-.70	6.40	-.90
30	10.30	14.30	22.80	5.90	---	19.00	14.10	10.30	7.90	-.70	6.50	-.40
31	10.00	---	22.60	5.50	---	18.70	---	10.80	---	-.60	6.30	---

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.20	9.90	28.20	11.00	10.60	20.00	17.20	12.00	18.90	5.00	6.20	.00
2	.50	10.40	28.00	9.90	9.30	19.60	15.80	11.30	18.50	5.10	5.80	.00
3	.70	10.50	27.90	8.80	8.10	19.20	14.70	10.10	17.90	5.20	5.40	-.20
4	1.10	10.20	27.90	7.80	7.40	18.30	13.80	9.20	17.10	5.70	4.90	-.30
5	1.30	9.90	28.10	7.10	7.20	17.20	12.90	8.70	16.70	6.30	4.20	-.40
6	1.60	10.40	28.40	6.80	11.60	16.10	12.20	8.90	16.00	7.90	3.70	-.80
7	2.50	11.50	28.70	6.40	15.20	15.10	11.50	9.40	15.30	9.50	3.50	-.60
8	3.50	12.00	28.90	6.10	17.60	14.10	11.10	9.80	14.60	11.00	3.20	.50
9	4.00	12.40	28.90	6.00	19.50	12.90	10.60	9.80	14.40	12.20	2.70	1.30
10	3.90	13.00	28.80	5.90	20.30	11.80	10.90	9.50	14.70	12.80	2.30	1.60
11	3.80	13.70	28.70	5.50	21.00	10.70	11.60	9.60	15.30	12.30	2.10	1.30
12	3.50	14.30	28.80	4.80	22.10	10.20	12.20	9.60	16.70	11.10	2.10	.70
13	3.10	15.10	28.50	4.10	22.30	10.50	12.50	9.70	17.70	10.90	2.20	-.50
14	2.60	16.10	28.10	3.40	22.80	11.00	12.40	9.90	17.90	11.90	2.20	-1.20
15	3.00	16.90	27.80	3.10	22.90	12.10	12.30	9.80	17.10	13.20	2.10	-.80
16	5.20	17.70	27.40	2.80	22.90	14.10	12.10	10.10	16.20	14.50	2.00	-.50
17	8.40	19.00	26.90	2.60	22.70	16.50	12.00	11.20	15.50	15.60	1.70	-.70
18	10.50	19.40	26.00	2.30	22.50	18.50	11.70	13.70	14.80	16.50	.90	-.90
19	11.40	20.90	25.10	2.10	22.00	20.00	11.60	15.90	14.40	16.90	.60	-.30
20	11.50	22.20	24.00	1.90	21.40	21.20	11.60	16.30	14.00	17.20	.80	1.20
21	11.10	23.30	23.20	2.00	20.80	22.00	11.60	15.80	13.30	16.80	1.80	1.40
22	10.60	24.40	22.60	2.10	20.30	22.80	11.60	15.40	12.20	16.10	2.80	2.40
23	11.00	25.30	22.10	2.60	20.00	23.20	11.90	15.50	11.30	15.00	3.20	2.70
24	12.00	26.10	21.50	3.50	20.10	23.30	12.40	15.80	10.80	13.70	3.10	2.60
25	12.70	26.80	20.20	5.20	20.50	23.40	12.60	16.80	9.90	12.30	2.90	3.50
26	13.10	27.40	18.30	7.20	20.80	23.60	12.70	17.80	8.80	10.90	2.60	5.30
27	13.10	28.40	16.80	8.60	20.80	23.70	12.70	18.50	7.90	9.80	2.20	7.20
28	12.40	28.60	16.00	9.10	20.30	23.30	12.70	19.10	6.80	8.90	1.60	9.10
29	11.50	28.60	14.50	10.80	---	22.30	12.70	19.30	5.90	8.20	.90	10.80
30	10.50	28.40	13.00	11.70	---	20.60	12.50	19.20	5.40	7.50	.20	12.10
31	9.90	---	12.20	11.40	---	18.80	---	19.00	---	6.80	-.10	---

MISSISSIPPI RIVER MAIN STEM

07032000 MISSISSIPPI RIVER AT MEMPHIS, TENN.--CONTINUED

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.20	16.10	19.30	15.10	9.60	15.40	11.90	17.00	6.70	2.20	-.30	-1.20
2	13.70	16.30	21.20	15.60	8.70	17.70	12.80	16.30	7.50	1.90	-.10	-.60
3	13.80	16.30	22.20	15.50	8.20	20.10	14.20	16.00	8.60	1.50	-.30	3.00
4	14.20	16.20	22.60	14.80	8.20	21.80	15.40	15.60	9.80	1.40	-.40	4.20
5	15.10	16.20	22.90	13.50	9.00	22.90	16.20	14.90	10.40	1.20	1.00	4.30
6	16.20	15.90	23.20	12.10	9.90	23.60	16.80	13.90	10.60	1.90	-.60	4.20
7	17.70	15.60	23.50	11.00	10.90	24.40	17.20	12.80	10.40	2.80	-.50	3.60
8	19.20	16.10	23.60	10.10	11.70	24.80	17.50	11.70	10.00	4.30	-.90	2.70
9	20.60	15.70	23.70	9.30	11.80	24.80	17.50	10.90	9.50	5.80	1.00	1.60
10	21.90	15.40	23.70	8.80	11.70	24.30	17.20	10.80	8.70	7.60	1.20	-.70
11	22.80	15.80	23.70	8.30	11.50	23.60	16.80	10.90	7.80	9.00	1.10	-.20
12	23.60	16.90	23.70	7.40	11.10	22.50	16.70	10.80	6.50	9.70	-.30	-.70
13	23.90	17.90	24.10	6.50	10.50	21.00	17.60	10.10	5.70	10.30	-1.00	-.30
14	24.00	19.00	24.40	5.70	9.90	19.40	18.10	9.00	5.10	9.80	-1.60	-.00
15	24.00	20.00	24.50	5.30	9.30	17.50	18.60	7.90	4.90	9.40	-1.80	-.30
16	23.60	20.60	24.40	5.20	8.90	15.50	19.80	6.60	4.90	9.30	-2.00	-1.00
17	23.20	20.70	23.90	5.10	8.40	14.60	20.90	5.60	5.20	9.60	-2.80	-1.60
18	22.50	20.40	23.60	4.90	8.00	14.20	22.00	5.00	5.00	10.00	-3.20	-1.30
19	21.90	19.50	23.20	4.70	7.80	13.50	23.10	4.30	4.10	10.00	-3.00	-.80
20	21.40	18.10	23.00	4.40	7.60	12.50	24.20	3.80	3.60	9.60	-1.90	-.80
21	20.90	16.20	22.20	4.60	7.40	11.70	24.70	3.60	3.30	8.90	-1.30	-1.20
22	20.30	14.40	20.80	5.80	7.20	10.90	24.80	3.20	3.30	8.00	-.80	-1.40
23	19.70	13.20	19.20	7.60	7.70	10.60	24.80	3.00	2.60	6.80	-.40	-1.30
24	18.80	12.40	17.50	9.40	8.50	11.40	24.70	3.20	1.70	5.70	1.20	-.80
25	18.40	11.90	16.30	10.90	9.20	12.60	24.60	4.30	1.60	4.50	1.00	-.50
26	17.60	12.20	15.10	12.50	10.10	13.30	24.30	5.20	1.70	3.20	1.20	1.60
27	17.00	12.80	14.40	13.30	11.80	13.10	23.70	6.50	2.20	2.00	1.20	1.90
28	16.70	13.10	13.90	13.70	13.40	12.50	22.20	7.30	2.70	1.00	-.70	1.60
29	16.50	14.50	13.70	13.60	---	11.70	20.60	7.50	2.90	-.40	-.50	-.80
30	16.30	16.90	14.00	12.50	---	11.30	18.50	7.20	2.80	-.20	-1.30	-.20
31	16.10	---	14.50	10.90	---	11.50	---	6.70	---	-.60	-1.70	---

07032000 MISSISSIPPI RIVER AT MEMPHIS, TENN.--CONTINUED

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
NOV 25...	1300	80513	80020	77000	437	7.80	9.0	36	8.4	74
MAR 25...	0800	80513	80020	93000	420	8.08	11.5	32	10.5	97
MAY 26...	1400	80513	80020	34000	462	7.70	25.5	38	7.8	96
AUG 11...	1230	80513	80020	42000	460	8.25	30.0	2.7	7.1	95

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 WH WAT TOT FLD MG/L AS CAC03 (00900)	HARD- NESS NONCARB WH WAT TOT FLD 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)
NOV 25...	1300	751	K20000	7600	170	66	46	14	19	19
MAR 25...	0800	756	K10	K20	180	61	47	15	18	18
MAY 26...	1400	760	300	940	180	50	47	15	22	21
AUG 11...	1230	758	220	K24	190	57	48	16	24	22

DATE	TIME	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	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 SiO2) (00955)
NOV 25...	1300	0.7	3.4	107	0	130	59	15	0.20	9.1
MAR 25...	0800	0.6	2.8	118	0	140	57	18	0.20	4.7
MAY 26...	1400	0.7	3.7	129	0	160	71	19	0.20	5.7
AUG 11...	1230	0.8	3.8	129	0	160	73	19	0.20	3.6

DATE	TIME	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)	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)
NOV 25...	1300	263	233	0.36	--	<0.010	1.30	0.180	0.030	0.92
MAR 25...	0800	260	234	0.35	1.58	0.020	1.60	0.070	0.090	0.93
MAY 26...	1400	285	262	0.39	1.28	0.020	1.30	0.050	0.040	0.55
AUG 11...	1230	266	266	0.36	--	<0.010	0.930	0.010	0.020	1.3

MISSISSIPPI RIVER MAIN STEM

07032000 MISSISSIPPI RIVER AT MEMPHIS, TENN.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
NOV 25...	1300	1.1	0.230	0.030	0.070	67	30	1	<0.5	<1
MAR 25...	0800	1.0	0.160	0.050	0.040	53	10	<1	<0.5	<1
MAY 26...	1400	0.60	0.220	0.070	0.060	85	20	1	<0.5	<1
AUG 11...	1230	1.3	0.170	0.090	0.070	76	10	2	<0.5	<1

DATE	TIME	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)
NOV 25...	1300	<1	<3	2	25	<5	13	11	<0.1
MAR 25...	0800	<1	<3	8	16	<5	9	1	0.2
MAY 26...	1400	<1	<3	3	10	<5	13	3	<0.1
AUG 11...	1230	<1	<3	2	9	<5	<4	1	<0.1

DATE	TIME	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 25...	1300	<10	2	1	<1	190	17	139	78
MAR 25...	0800	<10	2	<1	<1	190	43	88	69
MAY 26...	1400	<10	<1	1	<1	230	7	133	96
AUG 11...	1230	<10	5	<1	<1	230	9	51	83

ST. FRANCIS RIVER BASIN

41

07040000 ST. FRANCIS RIVER AT FISK, MO.

LOCATION.--Lat 36°46'50", long 90°12'08", in NW ¼ SW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FEET) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
OCT										
21...	1200	80513	80513	67	0.0	113	0.60	18.0	235	761
NOV										
17...	1515	80513	80513	67	0.0	47	0.80	9.0	222	750
DEC										
15...	1500	80513	80513	67	6.47	1320	0.70	5.5	290	762
JAN										
20...	1600	80513	80513	67	3.17	548	1.00	4.0	258	761
FEB										
23...	1500	80513	80513	67	6.80	1340	0.60	2.0	238	758
MAR										
16...	1415	80513	80513	67	8.05	1710	0.60	11.0	160	756
APR										
13...	1445	80513	80513	67	3.21	608	0.80	15.5	188	745
MAY										
18...	1600	80513	80513	67	0.0	86	0.60	25.0	230	754
JUN										
15...	1500	80513	80513	67	0.0	85	0.60	23.0	210	751
JUL										
13...	1345	80513	80513	67	4.28	766	0.50	30.0	209	753
AUG										
18...	1200	80513	80513	67	1.33	410	0.90	29.0	245	754
SEP										
15...	1440	80513	80513	67	0.66	309	0.30	26.0	215	754
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)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
OCT										
21...	1200	7.5	79	7.90	30	9.2	--	--	--	--
NOV										
17...	1515	9.2	81	7.80	18	2.3	--	--	100	98
DEC										
15...	1500	9.6	76	8.00	39	139	--	100	92	81
JAN										
20...	1600	14.2	109	8.30	21	31	--	--	100	99
FEB										
23...	1500	13.5	98	8.40	29	105	--	100	98	79
MAR										
16...	1415	10.2	93	7.80	53	245	--	100	96	89
APR										
13...	1445	9.2	94	7.90	40	66	--	--	100	95
MAY										
18...	1600	7.2	88	7.60	199	46	100	99	51	36
JUN										
15...	1500	6.3	75	8.30	51	12	--	100	96	81
JUL										
13...	1345	6.4	86	8.05	72	149	--	--	100	95
AUG										
18...	1200	6.9	91	8.10	78	86	--	100	99	97
SEP										
15...	1440	7.6	95	8.15	59	49	--	--	100	96

ST. FRANCIS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
OCT										
21...	1200	100	--	--	--	100	99	67	4	3
NOV										
17...	1515	83	--	--	--	100	98	58	1	1
DEC										
15...	1500	79	--	--	--	100	97	47	1	1
JAN										
20...	1600	98	--	--	--	--	100	99	89	58
FEB										
23...	1500	77	--	--	--	100	99	66	1	1
MAR										
16...	1415	85	--	--	--	100	95	51	4	3
APR										
13...	1445	93	--	--	--	100	99	72	6	5
MAY										
18...	1600	34	--	--	--	100	96	52	4	2
JUN										
15...	1500	81	73	42	31	30	24	17	8	6
JUL										
13...	1345	95	--	--	--	100	98	49	4	3
AUG										
18...	1200	95	--	--	--	100	99	75	12	9
SEP										
15...	1440	91	--	--	--	100	99	86	15	8

07040060 ST. FRANCIS RIVER NEAR GLENNONVILLE, MO.

LOCATION.--Lat 36°34'22", long 90°11'06", in NE ¼ NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FEET) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE WATER (DEG C) (00010)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
NOV										
17...	1415	80513	80513	67	1.12	173	0.90	9.5	14	6.5
DEC										
15...	1400	80513	80513	67	3.68	1120	0.50	5.5	47	142
JAN										
20...	1445	80513	80513	67	2.48	663	0.80	3.5	77	138
FEB										
23...	1400	80513	80513	67	3.91	1490	0.30	3.0	62	249
MAR										
16...	1300	80513	80513	67	4.58	1650	0.40	11.0	97	432
APR										
13...	1330	80513	80513	67	2.62	680	0.80	17.5	65	119
MAY										
18...	1445	80513	80513	67	1.83	192	0.50	27.5	82	43
JUN										
15...	1400	80513	80513	67	1.28	255	0.30	24.0	47	32
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										
17...	1415	100	98	95	88	--	100	81	3	2
DEC										
15...	1400	100	97	89	87	100	99	85	11	5
JAN										
20...	1445	100	67	55	53	100	96	76	46	40
FEB										
23...	1400	--	100	98	89	100	99	62	2	1
MAR										
16...	1300	100	97	87	82	100	99	74	2	1
APR										
13...	1330	100	97	90	83	100	99	69	8	6
MAY										
18...	1445	--	100	84	83	100	99	77	10	5
JUN										
15...	1400	--	100	95	95	100	98	78	3	2

ST. FRANCIS RIVER BASIN

07040070 WILHELMINA CUTOFF NEAR CAMPBELL, MO.

LOCATION.--Lat 36°30'53", long 90°09'30", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FEET) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE WATER (DEG C) (00010)	SEDI- MENT, SUS- PENDE (WG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
NOV										
17...	1330	80513	80513	67	22.24	165	0.90	10.0	8	3.6
DEC										
15...	1315	80513	80513	67	22.55	1570	0.60	5.5	126	534
JAN										
20...	1415	80513	80513	67	21.52	674	0.70	4.0	54	98
FEB										
23...	1315	80513	80513	67	21.44	1270	0.30	3.5	147	504
MAR										
16...	1230	80513	80513	67	24.10	1680	0.30	11.0	135	612
APR										
13...	1300	80513	80513	67	21.26	668	0.60	17.0	71	128
MAY										
18...	1350	80513	80513	67	23.35	228	0.50	27.5	51	31
JUN										
15...	1300	80513	80513	67	22.72	213	0.30	24.0	70	40
		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										
17...	1330	--	100	96	88	100	98	54	4	4
DEC										
15...	1315	100	91	59	54	100	97	65	19	16
JAN										
20...	1415	--	100	99	99	100	99	68	0	0
FEB										
23...	1315	100	94	48	42	100	99	77	1	1
MAR										
16...	1230	100	97	76	67	100	99	81	1	1
APR										
13...	1300	100	96	81	74	100	99	82	2	1
MAY										
18...	1350	--	100	99	98	100	99	86	10	2
JUN										
15...	1300	--	100	97	97	100	98	72	2	2

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FEET) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
OCT									
21.	1415	80513	80513	67	4.20	193	0.40	18.5	280
NOV									
18.	0830	80513	80513	67	3.28	117	0.80	10.0	258
DEC									
16.	0930	80513	80513	67	9.20	1170	0.40	5.5	260
JAN									
21.	0830	80513	80513	67	6.56	593	0.60	2.0	272
FEB									
24.	0830	80513	80513	67	9.65	1300	0.30	2.0	240
MAR									
17.	0820	80513	80513	67	11.05	1740	0.30	10.5	180
APR									
14.	0845	80513	80513	67	12.00	2480	0.10	16.0	166
MAY									
19.	0830	80513	80513	67	3.79	236	0.60	25.0	280
JUN									
16.	0900	80513	80513	67	3.88	228	0.30	20.0	430
JUL									
13.	1145	80513	80513	67	10.24	1500	0.50	28.5	206
AUG									
18.	1400	80513	80513	67	3.05	150	0.20	30.0	410
SEP									
15.	1240	80513	80513	67	3.87	568	0.30	25.5	277
DATE	TIME	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (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									
21.	1415	761	8.9	95	8.20	151	79	100	99
NOV									
18.	0830	750	10.4	94	8.00	73	23	100	97
DEC									
16.	0930	762	10.3	82	8.10	74	234	100	98
JAN									
21.	0830	759	15.2	110	8.10	68	109	100	97
FEB									
24.	0830	760	13.2	96	7.90	80	281	--	100
MAR									
17.	0820	754	9.7	88	7.70	159	747	100	97
APR									
14.	0845	745	8.1	84	7.70	2690	8000	--	100
MAY									
19.	0830	755	7.1	87	7.40	167	106	--	100
JUN									
16.	0900	752	4.4	49	8.40	92	57	--	100
JUL									
13.	1145	755	6.6	86	8.25	181	733	--	100
AUG									
18.	1400	754	8.0	107	8.10	350	142	--	--
SEP									
15.	1240	755	7.8	96	7.55	120	184	100	97

ST. FRANCIS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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)
OCT								
21.	1415	97	87	--	100	99	76	63
NOV								
18.	0830	94	78	--	100	99	71	48
DEC								
16.	0930	92	89	--	100	97	47	26
JAN								
21.	0830	96	88	100	98	60	5	2
FEB								
24.	0830	93	81	--	100	98	40	4
MAR								
17.	0820	70	62	--	100	97	28	3
APR								
14.	0845	99	93	--	100	97	31	13
MAY								
19.	0830	99	98	--	100	99	52	11
JUN								
16.	0900	99	99	100	99	99	68	26
JUL								
13.	1145	98	95	--	100	99	70	22
AUG								
18.	1400	100	97	--	100	99	89	76
SEP								
15.	1240	89	87	--	100	99	97	88

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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)
OCTOBER			NOVEMBER			DECEMBER			
1	266	198	142	505	118	161	72	19	3.7
2	278	223	167	336	98	89	100	32	8.6
3	339	223	204	265	88	63	170	56	26
4	480	595	771	257	111	77	110	76	23
5	848	649	1490	371	120	120	79	50	11
6	989	583	1560	704	209	397	210	40	23
7	999	497	1340	798	199	429	762	92	189
8	884	409	976	741	156	312	879	71	169
9	763	331	682	730	149	294	1150	457	1420
10	654	243	429	694	123	230	1270	426	1460
11	544	201	295	481	68	88	997	81	218
12	455	192	236	735	717	1420	983	53	141
13	405	195	213	1180	326	1040	1140	60	185
14	393	147	156	1030	140	389	1190	62	199
15	432	147	171	569	69	106	1210	59	193
16	532	171	246	287	59	46	1210	44	144
17	573	182	282	163	69	30	1070	40	116
18	576	178	277	109	68	20	576	60	93
19	553	160	239	82	58	13	890	279	670
20	390	148	156	74	44	8.8	1200	173	561
21	230	136	84	74	31	6.2	1730	185	864
22	138	140	52	75	24	4.9	1940	175	917
23	113	139	42	77	29	6.0	1890	146	745
24	115	117	36	75	25	5.1	1680	105	476
25	127	98	34	80	39	8.4	1790	143	691
26	256	469	324	104	147	41	2220	217	1300
27	598	406	656	130	69	24	2390	205	1320
28	672	229	415	98	103	27	2410	194	1260
29	743	192	385	79	53	11	2400	177	1150
30	797	202	435	71	29	5.6	2410	161	1050
31	681	155	285	---	---	---	2370	141	902
TOTAL	15823	---	12780	10974	---	5472.0	38498	---	16528.3

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

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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	2060	126	701	594	84	135	6000	1390	22500
2	1880	92	467	1060	1080	3090	3970	485	5200
3	1800	79	384	1020	633	1740	2470	338	2250
4	1680	78	354	803	174	377	2590	271	1900
5	1430	86	332	870	136	319	2880	306	2380
6	1430	92	355	917	115	285	2970	278	2230
7	1560	102	430	822	91	202	2970	152	1220
8	1120	84	254	664	75	134	2950	355	2830
9	892	95	229	556	61	92	2900	273	2140
10	961	136	353	549	44	65	2810	260	1970
11	868	119	279	633	67	115	2640	215	1530
12	661	75	134	700	94	178	2390	162	1050
13	606	75	123	699	64	121	2150	136	789
14	550	96	143	619	73	122	1910	168	866
15	500	87	117	595	171	275	1810	181	885
16	452	80	98	964	603	1570	1760	190	903
17	404	63	69	1150	385	1200	1720	190	882
18	431	58	67	1040	145	407	1960	344	1820
19	516	68	95	1410	202	769	2370	486	3110
20	588	74	117	1550	124	519	2120	267	1530
21	587	78	124	1520	98	402	2580	299	2080
22	769	120	249	1400	99	374	2700	178	1300
23	901	90	219	1330	85	305	2260	213	1300
24	907	70	171	1410	91	346	2080	242	1360
25	830	58	130	1640	122	540	2330	263	1650
26	806	77	168	1580	110	469	2820	308	2350
27	814	91	200	1730	253	1180	2960	304	2430
28	829	88	197	3690	2040	20300	2870	275	2130
29	810	88	192	---	---	---	2620	256	1810
30	753	85	173	---	---	---	2470	255	1700
31	677	61	112	---	---	---	2300	202	1250
TOTAL	29072	---	7036	31515	---	35631	81330	---	77345

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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)
APRIL			MAY			JUNE			
1	1750	144	680	467	135	170	152	116	48
2	1170	207	654	420	146	166	139	110	41
3	958	150	388	317	150	128	137	117	43
4	838	93	210	346	577	539	131	116	41
5	583	95	150	403	366	398	125	109	37
6	433	115	134	364	168	165	124	98	33
7	343	102	94	302	105	86	128	85	29
8	282	83	63	271	122	89	139	105	39
9	231	97	60	258	120	84	144	105	41
10	206	123	68	245	112	74	150	94	38
11	210	84	48	239	102	66	147	85	34
12	352	138	131	257	212	147	142	83	32
13	711	181	347	320	1310	1130	149	88	35
14	2590	1240	8670	249	275	185	154	81	34
15	2240	864	5230	318	1730	1490	185	94	47
16	1070	430	1240	226	298	182	230	101	63
17	1570	487	2060	208	203	114	224	69	42
18	2500	546	3690	215	182	106	435	803	943
19	3500	642	6070	222	193	116	977	1720	4540
20	3880	465	4870	223	148	89	326	219	193
21	3630	389	3810	217	154	90	1380	2210	8230
22	2500	278	1880	208	139	78	1010	905	2470
23	1950	255	1340	202	111	61	523	523	739
24	1750	225	1060	210	135	77	607	335	549
25	1630	247	1090	1350	2860	10400	1330	925	3320
26	1580	216	921	559	858	1290	1030	406	1130
27	1500	187	757	269	293	213	691	214	399
28	1270	190	652	192	167	87	565	201	307
29	837	159	359	161	124	54	500	134	181
30	575	166	258	157	112	47	600	710	1150
31	---	---	---	153	103	43	---	---	---
TOTAL	42639	---	46984	9548	---	17964	12574	---	24828

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

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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)
JULY			AUGUST			SEPTEMBER			
1	2160	1370	7990	315	193	164	221	121	72
2	1270	530	1820	240	175	113	303	179	146
3	1050	540	1530	190	159	82	523	258	364
4	1500	454	1840	246	483	321	372	126	127
5	1520	416	1710	297	694	557	339	120	110
6	1450	399	1560	330	277	247	436	164	193
7	995	365	981	395	329	351	466	146	184
8	1140	241	742	397	326	349	423	106	121
9	945	153	390	355	240	230	334	76	69
10	1160	195	611	384	520	539	300	73	59
11	1620	287	1260	291	333	262	321	70	61
12	1970	286	1520	187	254	128	332	68	61
13	1540	180	748	146	207	82	342	101	93
14	863	123	287	138	208	78	474	120	154
15	600	117	190	138	206	77	533	112	161
16	522	123	173	141	203	77	779	494	1040
17	568	156	239	152	274	112	1000	780	2110
18	554	142	212	153	403	166	656	295	523
19	425	133	153	388	1080	1130	574	200	310
20	347	134	126	660	772	1380	483	160	209
21	315	144	122	674	496	903	366	131	129
22	249	127	85	457	286	353	303	116	95
23	184	148	74	290	263	206	282	120	91
24	164	148	66	203	161	88	269	136	99
25	207	317	177	193	177	92	261	167	118
26	326	528	465	197	146	78	252	186	127
27	273	185	136	201	163	88	245	150	99
28	218	184	108	204	113	62	237	273	175
29	312	197	166	210	107	61	252	528	359
30	460	285	354	222	120	72	234	182	115
31	422	256	292	219	123	73	---	---	---
TOTAL	25329	---	26127	8613	---	8521	11912	---	7574
YEAR	317827		286790.3						

07040110 ST. FRANCIS RIVER NEAR PIGGOTT, ARK.

LOCATION.--Lat 36°23'50", long 90°04'40", in SE ¼ SW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FEET) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE WATER (DEG C) (00010)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	% (
NOV 17...	1245	80513	80513	67	4.82	221	0.80	8.5	17	10	
DEC 15...	1145	80513	80513	67	9.12	1220	0.50	5.5	67	221	
JAN 20...	1300	80513	80513	67	7.08	523	0.50	3.5	64	90	
FEB 23...	1215	80513	80513	67	9.52	1430	0.30	2.0	72	278	
MAR 16...	1140	80513	80513	67	10.73	1720	0.30	11.5	79	367	
APR 13...	1200	80513	80513	67	6.98	627	1.20	15.5	100	169	
MAY 18...	1240	80513	80513	67	4.77	224	0.30	26.0	125	76	
JUN 15...	1200	80513	80513	67	4.35	245	0.30	24.5	71	47	

DATE	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 (8015)
NOV 17...	--	100	99	98	100	99	84	25	2	
DEC 15...	93	93	80	77	--	100	90	47	1	
JAN 20...	100	98	98	93	--	100	94	55	0	
FEB 23...	100	99	87	84	--	100	90	23	1	
MAR 16...	100	98	92	89	--	100	96	54	1	
APR 13...	98	95	93	85	--	100	86	35	1	
MAY 18...	--	--	100	99	--	100	89	40	1	
JUN 15...	--	--	--	100	--	100	92	63	3	

ST. FRANCIS RIVER BASIN

07040130 ST. FRANCIS RIVER AT HOLLY ISLAND, ARK.

LOCATION.--Lat 36°14'11", long 90°07'52", in SW ¼ NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FEET) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE WATER (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											
18...	1000	80513	80513	67	9.54	198	0.90	9.0	26	14	100
DEC											
16...	1315	80513	80513	67	12.18	1480	0.70	5.5	53	212	100
JAN											
21...	1100	80513	80513	67	11.02	664	0.80	2.5	48	86	--
FEB											
24...	1000	80513	80513	67	12.41	1380	0.30	2.0	50	186	100
MAR											
17...	1030	80513	80513	67	13.04	1920	0.60	11.5	84	435	100
APR											
14...	1000	80513	80513	67	11.50	863	0.70	16.0	73	170	--
MAY											
19...	0945	80513	80513	67	9.75	249	0.30	26.0	97	65	--
JUN											
16...	1015	80513	80513	67	9.35	200	0.20	24.0	87	47	--

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										
18...	1000	98	93	57	--	100	99	90	8	4
DEC										
16...	1315	99	98	95	--	100	87	35	13	12
JAN										
21...	1100	100	91	87	--	100	89	34	1	1
FEB										
24...	1000	99	97	95	--	100	77	30	1	1
MAR										
17...	1030	97	95	95	--	100	91	37	0	0
APR										
14...	1000	100	97	97	--	100	86	34	2	2
MAY										
19...	0945	100	99	99	100	98	89	31	8	8
JUN										
16...	1015	100	98	98	--	100	89	26	9	8

ST. FRANCIS RIVER BASIN

51

07040450 ST. FRANCIS RIVER AT LAKE CITY, ARK.

LOCATION.--Lat 35°49'16", long 90°25'56", in SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FEET) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
OCT										
22...	0830	80513	80513	67	2.60	534	0.40	16.5	262	761
NOV										
18...	1145	80513	80513	67	3.71	751	0.60	9.0	223	754
DEC										
16...	1500	80513	80513	67	5.08	1150	0.30	6.0	190	761
JAN										
21...	1315	80513	80513	67	3.93	785	0.80	3.5	285	754
FEB										
24...	1215	80513	80513	67	4.89	906	0.20	2.5	211	761
MAR										
17...	1230	80513	80513	67	5.96	1250	0.20	15.0	208	753
17...	1300	80513	80513	68	--	1210	0.30	15.0	197	753
APR										
14...	1245	80513	80513	67	4.29	924	1.30	16.0	250	748
MAY										
19...	1330	80513	80513	67	2.81	576	0.20	26.5	285	758
JUN										
16...	1230	80513	80513	67	1.54	308	0.30	25.0	337	752
JUL										
14...	0940	80513	80513	67	4.30	829	0.30	26.0	211	760
AUG										
19...	0830	80513	80513	67	1.15	262	0.20	28.5	310	758
SEP										
16...	0950	80513	80513	67	0.60	208	0.30	25.0	311	755
DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH (STAND- ARDS 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)
OCT										
22...	0830	8.0	82	7.80	71	102	--	100	94	93
NOV										
18...	1145	9.9	87	7.60	31	63	100	97	93	69
DEC										
16...	1500	8.9	72	7.20	110	342	100	98	82	78
JAN										
21...	1315	12.4	94	8.00	59	125	100	94	74	69
FEB										
24...	1215	11.1	81	7.80	66	161	100	97	91	87
MAR										
17...	1230	8.2	82	7.60	39	132	100	98	95	95
17...	1300	8.2	82	7.50	47	154	--	100	91	90
APR										
14...	1245	7.0	72	7.80	103	257	--	100	99	98
MAY										
19...	1330	6.0	75	7.50	110	171	--	100	99	99
JUN										
16...	1230	5.9	73	8.20	68	57	--	--	--	100
JUL										
14...	0940	6.4	79	7.60	111	248	--	100	97	95
AUG										
19...	0830	5.3	69	8.00	93	66	100	99	97	97
SEP										
16...	0950	5.1	62	8.15	107	60	100	98	96	95

ST. FRANCIS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. FALL DIAM. % FINER THAN 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									
22...	0830	--	--	--	100	83	20	1	1
NOV									
18...	1145	--	--	--	--	100	89	11	5
DEC									
16...	1500	--	--	--	100	98	82	22	5
JAN									
21...	1315	--	--	--	100	99	88	5	1
FEB									
24...	1215	--	--	--	100	92	55	3	2
MAR									
17...	1230	39	29	25	25	23	20	13	6
17...	1300	--	--	--	100	99	91	37	7
APR									
14...	1245	--	--	--	100	98	68	6	4
MAY									
19...	1330	--	--	--	100	97	87	28	14
JUN									
16...	1230	--	--	--	100	98	92	27	8
JUL									
14...	0940	--	--	--	100	92	53	2	2
AUG									
19...	0830	--	--	--	100	98	83	24	13
SEP									
16...	0950	--	--	--	100	99	84	6	5

ST. FRANCIS RIVER BASIN

53

07040496 COCKLE BURR SLOUGH DITCH NEAR MONETTE, ARK.

LOCATION.--Lat 35°51'39", long 90°19'49", in SW ¼ SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FEET) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
NOV 18.	1300	80513	80513	67	24.80	114	0.60	13.5	410
DEC 16.	1615	80513	80513	67	22.95	145	0.80	10.0	408
JAN 21.	1245	80513	80513	67	24.25	0.0	--	6.5	418
FEB 24.	1300	80513	80513	67	25.58	164	0.60	7.0	407
MAR 17.	1400	80513	80513	67	27.50	0.0	--	14.0	130
APR 14.	1400	80513	80513	67	25.70	370	1.20	15.5	380
MAY 19.	1200	80513	80513	67	24.50	215	0.30	24.0	420
JUN 16.	1330	80513	80513	67	24.03	96	0.50	26.0	435

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)
NOV 18.	1300	754	7.7	75	7.80	71	22	100	99
DEC 16.	1615	762	7.2	64	7.90	68	27	100	97
JAN 21.	1245	758	10.0	82	8.00	--	--	--	--
FEB 24.	1300	761	9.0	74	7.60	60	27	100	98
MAR 17.	1400	753	8.2	81	7.30	--	--	--	--
APR 14.	1400	748	8.2	84	8.00	133	133	100	98
MAY 19.	1200	758	7.3	87	7.60	113	66	--	100
JUN 16.	1330	752	6.2	78	8.20	81	21	--	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)
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NOV 18.	1300	89	62	100	98	90	15	9
DEC 16.	1615	92	85	100	98	86	10	8
FEB 24.	1300	97	95	100	99	88	6	6
APR 14.	1400	97	96	100	98	87	44	40
MAY 19.	1200	99	99	100	99	88	24	19
JUN 16.	1330	99	98	100	97	82	12	8

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 $\frac{1}{4}$ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FEET) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (W) (00078)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
OCT									
22.	1015	80513	80513	67	1.91	302	0.40	18.5	320
NOV									
18.	1400	80513	80513	67	2.22	754	0.40	9.0	344
DEC									
17.	0945	80513	80513	67	2.48	1480	0.10	6.5	240
JAN									
21.	1430	80513	80513	67	2.50	1350	0.60	4.5	412
FEB									
25.	0830	80513	80513	67	2.40	1040	0.30	3.5	400
MAR									
18.	0730	80513	80513	67	2.73	1710	0.10	14.0	270
APR									
15.	0830	80513	80513	67	3.37	3170	0.10	15.5	417
MAY									
20.	0850	80513	80513	67	2.23	879	0.40	27.5	435
JUN									
17.	0830	80513	80513	67	2.11	561	0.30	25.0	415
JUL									
14.	1100	80513	80513	67	2.51	1180	0.30	28.5	273
AUG									
19.	1015	80513	80513	67	2.07	417	0.20	29.5	390
SEP									
16.	1120	80513	80513	67	1.89	312	0.30	27.0	460
DATE	TIME	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH (STAND- ARD UNITS) (00400)	SEDI- MENT, DIS- SOLVED (MG/L) (80154)	SEDI- MENT, DIS- SOLVED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)
OCT									
22.	1015	761	8.8	94	8.20	54	44	--	--
NOV									
18.	1400	754	10.6	93	7.80	31	63	100	98
DEC									
17.	0945	761	10.7	87	7.50	279	1110	--	100
JAN									
21.	1430	758	12.6	98	7.90	58	211	100	98
FEB									
25.	0830	763	12.0	90	7.60	59	166	--	100
MAR									
18.	0730	750	8.5	84	7.70	189	873	100	98
APR									
15.	0830	748	9.3	95	8.10	188	1610	100	99
MAY									
20.	0850	759	7.2	92	7.80	62	147	--	--
JUN									
17.	0830	756	6.6	81	8.10	72	109	--	100
JUL									
14.	1100	760	6.9	89	7.70	89	284	100	98
AUG									
19.	1015	759	5.5	73	7.90	121	136	--	100
SEP									
16.	1120	755	6.9	88	8.25	78	66	100	98

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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)
OCT								
22.	1015	100	96	100	92	50	24	14
NOV								
18.	1400	96	81	100	93	68	55	47
DEC								
17.	0945	99	97	100	98	68	4	3
JAN								
21.	1430	96	95	100	99	79	6	5
FEB								
25.	0830	99	96	100	98	79	20	13
MAR								
18.	0730	98	98	100	97	57	2	2
APR								
15.	0830	98	89	100	99	56	4	3
MAY								
20.	0850	100	99	--	100	96	60	42
JUN								
17.	0830	99	99	100	94	68	10	7
JUL								
14.	1100	96	95	100	99	95	74	43
AUG								
19.	1015	99	98	--	100	98	94	85
SEP								
16.	1120	96	96	100	98	93	72	21

07047800 ST. FRANCIS RIVER AT PARKIN, ARK.

LOCATION.--Lat 35°16'23", long 90°33'33", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ 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.--Indeterminate. Total drainage area of St. Francis River and St. Francis Bay, 6,475 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1965 to September 1982, and October 1985 to current year in reports of Geological Survey. January 1930 to date in reports of Mississippi River Commission. Gage-height records since 1892 in reports of Mississippi River Commission and National Weather Service.

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

REMARKS.--The greater part of St. Francis River floodflow is diverted through St. Francis River floodway at lock and dam about 40.0 mi northwest of Marked Tree, and is not included in records for this station. Diverted flow is included in records for St. Francis Bay at Riverfront (station 07047900) and returns to the St. Francis River downstream from Marianna. Some regulation since Apr. 1, 1941, by Wappapello Lake (Missouri) 207 mi upstream, capacity, 625,000 acre-ft. Stage-discharge relation affected by backwater during high stages of Mississippi River.

COOPERATION.--Records furnished by U.S. Army Corps of Engineers.

AVERAGE DISCHARGE.--54 years (1931-82, 86-87), 2,701 ft³/s, 1,957,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,300 ft³/s Jan. 31, 1930; maximum gage height, 34.2 ft Feb. 4-6, 1937, backwater from Mississippi River; minimum discharge, 174 ft³/s Nov. 12, 1954.

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

EXTREMES FOR WATER YEAR 1982.--Maximum daily discharge, 7,930 ft³/s Jan. 24; minimum daily, 206 ft³/s Nov. 29.

EXTREMES FOR WATER YEAR 1986.--Maximum discharge, 9,710 ft³/s Mar. 14, gage height, 19.14 ft; minimum daily, 139 ft³/s Oct. 14.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 10,900 ft³/s Mar. 2; minimum daily, 162 ft³/s Oct. 1.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	298	334	814	655	7200	2000	1600	2010	3060	2770	872	1100
2	289	334	1070	721	7450	2050	1840	1930	3230	3160	854	1320
3	275	324	801	2010	6490	2010	3210	1930	3170	3100	736	1360
4	264	597	492	4000	5080	1930	3450	1880	2910	2770	672	1380
5	264	774	349	4910	3580	1880	3330	1830	2830	2380	626	1410
6	273	630	311	4530	2320	1940	2900	1790	2620	2090	597	1430
7	272	483	295	3200	1560	2060	2540	1780	2300	1890	823	1450
8	265	417	279	1900	1340	2140	2940	1740	2080	1750	936	1460
9	262	385	264	1270	3600	2020	4850	1750	1940	2010	839	1460
10	267	359	254	1020	5010	1830	5080	1810	2060	2610	745	1460
11	267	322	249	966	4720	1700	4160	1850	2200	2410	694	1480
12	268	291	251	948	3650	1630	2860	1880	2070	2030	650	1570
13	262	267	250	933	2600	1590	1880	1860	2160	1810	662	1680
14	265	253	256	916	1980	1580	1400	1790	2050	1700	1160	1780
15	278	239	265	829	1730	1750	1150	1950	1950	1630	1780	1820
16	277	236	267	663	1770	1930	2970	1960	2710	1630	3140	1710
17	349	233	270	643	2260	1890	6740	1840	3880	1760	2480	1590
18	783	228	275	624	2620	1640	7680	1860	3860	1950	1480	1530
19	851	223	281	601	2660	1180	7260	1960	3230	1910	940	1500
20	906	220	288	929	2410	993	6080	1920	2600	1790	726	1470
21	657	220	304	3360	2200	1450	4580	2110	2230	1960	631	1430
22	507	219	329	5700	2070	2170	3390	2610	2040	2030	582	1420
23	498	218	458	7270	2020	2480	2670	2510	1920	1990	563	1420
24	439	218	826	7930	2000	2080	2330	2220	1840	1770	541	1420
25	384	217	904	7620	1970	1810	2190	3250	1800	1640	527	1420
26	467	211	703	6370	1960	1700	2620	4260	2080	1590	534	1420
27	524	211	632	4720	1920	1640	2700	5180	2750	1560	534	1420
28	516	208	679	3400	1960	1600	2430	5570	3110	1520	519	1430
29	459	206	715	2710	---	1590	2250	5120	3630	1410	503	1430
30	395	286	691	2860	---	1580	2100	4050	3250	1060	478	1430
31	346	---	671	5130	---	1570	---	3580	---	814	526	---
TOTAL	12427	9363	14493	89338	86100	55413	101180	77780	77560	60494	27350	44200
MEAN	401	312	468	2882	3075	1788	3373	2509	2585	1951	882	1473
MAX	906	774	1070	7930	7450	2480	7680	5570	3880	3160	3140	1820
MIN	262	206	249	601	1340	993	1150	1740	1800	814	478	1100
AC-FT	24650	18570	28750	177200	170800	109900	200700	154300	153800	120000	54250	87670
CAL YR 1981 TOTAL	599535			1643	MAX 10900	MIN 206	AC-FT 1189000					
WTR YR 1982 TOTAL	655698			1796	MAX 7930	MIN 206	AC-FT 1301000					

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

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	183	2670	6480	405	1420	2020	1570	2130	3640	2790	2020	322
2	169	3880	5800	398	1410	1820	1580	2390	3600	2780	1820	314
3	164	3860	4710	393	1430	1700	1590	2480	3960	2780	1710	316
4	160	3320	3270	386	1700	1710	1560	2320	5200	2780	1680	333
5	156	2790	2010	381	2350	1720	3390	2190	6730	2770	1610	326
6	154	2310	1300	374	3120	1740	6950	2120	8280	2770	1540	311
7	150	1830	971	370	3810	1760	7020	2080	8490	2800	1300	306
8	146	1580	804	364	3660	1770	6120	2030	7530	2790	1150	301
9	146	1490	694	355	3070	1800	6170	1980	6970	2770	1030	291
10	144	1440	610	346	2700	1840	6220	2210	6590	2790	906	292
11	142	1390	1080	354	2840	1930	5400	3800	6370	2670	813	287
12	142	1370	2650	360	3000	6480	4220	4700	6600	2300	775	290
13	141	1420	3070	356	3080	9270	3380	4870	5650	1970	743	287
14	139	1490	2610	349	3120	9630	2920	4300	4700	1850	710	285
15	140	1560	1780	344	3470	8860	2590	3790	4120	1800	678	275
16	142	1580	1160	418	4230	7290	2340	3730	3810	1830	645	270
17	142	1410	895	1140	4720	5010	2240	3750	3660	1810	613	258
18	140	1500	767	1510	4740	3020	2170	3760	3540	1780	580	259
19	153	1200	665	1540	4170	2620	2130	4040	3410	1740	548	260
20	159	759	598	1540	3600	2810	2140	4390	3280	1680	522	248
21	167	547	533	1560	3240	2580	2110	4000	3130	1640	498	234
22	177	487	519	1570	3020	2120	2080	3520	2950	1660	474	233
23	249	430	511	1540	2790	1850	2060	3580	2750	1660	450	233
24	990	394	474	1520	2550	1720	2100	3970	2620	1610	426	221
25	1640	367	429	1500	2300	1670	2160	4730	2610	1600	402	214
26	1980	363	395	1470	2190	1660	2130	6330	2600	1600	378	193
27	2010	1960	382	1440	2180	1640	2060	7920	2620	1710	371	181
28	1870	5610	383	1420	2140	1610	2070	7990	2950	1780	368	175
29	1560	6910	391	1400	---	1630	2110	6850	2960	1790	381	170
30	1330	6990	382	1420	---	1630	2020	5250	2850	1730	351	165
31	1390	---	376	1430	---	1600	---	4070	---	1890	331	---
TOTAL	16375	62907	46699	27953	82050	94510	92600	121270	134170	65920	25823	7850
MEAN	528	2097	1506	902	2930	3049	3087	3912	4472	2126	833	262
MAX	2010	6990	6480	1570	4740	9630	7020	7990	8490	2800	2020	333
MIN	139	363	376	344	1410	1600	1560	1980	2600	1600	331	165
AC-FT	32480	124800	92630	55440	162700	187500	183700	240500	266100	130800	51220	15570
WTR YR 1986	TOTAL	778127	MEAN	2132	MAX	9630	MIN	139	AC-FT	1543000		

ST. FRANCIS RIVER BASIN

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	162	221	1530	474	1550	10600	1580	1310	2880	1380	1530	334
2	168	216	1390	453	2560	10900	1560	1300	3210	1560	1580	305
3	169	211	888	439	3620	10400	1520	1310	2880	1930	1540	303
4	166	216	474	433	3210	9170	1510	1340	2340	3020	1460	293
5	167	240	345	424	2430	7100	1520	1350	1920	4000	1380	282
6	176	264	307	412	1910	4690	1530	1330	1700	4320	1380	269
7	180	356	292	404	1690	2680	1530	1310	1600	4100	1430	256
8	173	1620	904	385	1630	1530	1520	1300	1510	3460	1430	250
9	172	4790	3820	391	1610	1090	1490	1300	1440	2790	1430	239
10	172	5860	6520	470	1610	898	1460	1310	1370	2540	1460	239
11	170	6540	7370	532	1650	789	1440	1410	1320	2400	1340	243
12	178	6860	7170	512	1610	724	1420	1560	1350	2250	1290	245
13	187	6260	6150	471	1580	697	1460	1530	1400	2090	1280	236
14	232	4840	4880	443	1600	1100	2360	1490	1500	2020	1260	220
15	356	3310	3930	901	1610	1440	3140	1500	1630	2010	1230	204
16	331	2330	3300	1500	1990	1500	3060	1660	1120	1910	1210	194
17	282	1880	2830	1630	2020	1570	2670	2200	954	1580	1180	191
18	272	1680	2140	1640	1980	3760	2320	2440	1070	1400	1170	189
19	255	1590	1260	1730	1990	5230	2020	2070	1740	1320	1220	199
20	238	1540	728	1810	1970	4690	1810	1820	2880	1280	1270	190
21	235	1510	541	1740	1920	3490	1680	1810	2260	1260	1190	179
22	235	1490	482	1700	1870	2570	1610	1670	2380	1260	765	170
23	235	1480	471	1660	1960	2120	1560	1690	1600	1270	431	180
24	239	1480	575	1630	1980	2020	1510	2180	1250	1340	348	193
25	264	1580	716	1630	1880	1880	1460	5120	1300	1480	326	208
26	304	2330	711	1610	2280	1730	1440	6520	2050	1660	334	222
27	336	2620	647	1600	5660	1630	1430	6100	1960	1710	346	236
28	314	2240	554	1600	8590	1580	1430	4950	1660	1710	412	250
29	262	1860	523	1650	---	1560	1420	3460	1460	1660	453	281
30	235	1640	519	1640	---	1560	1360	2430	1340	1570	396	308
31	225	---	498	1600	---	1570	---	2390	---	1500	360	---
TOTAL	7090	69054	62465	33514	65960	102268	51820	69160	53074	63780	32431	7108
MEAN	229	2302	2015	1081	2356	3299	1727	2231	1769	2057	1046	237
MAX	356	6860	7370	1810	8590	10900	3140	6520	3210	4320	1580	334
MIN	162	211	292	385	1550	697	1360	1300	954	1260	326	170
AC-FT	14060	137000	123900	66480	130800	202800	102800	137200	105300	126500	64330	14100
CAL YR 1986	TOTAL	790755	MEAN	2166	MAX	9630	MIN 162	AC-FT	1568000			
WTR YR 1987	TOTAL	617724	MEAN	1692	MAX	10900	MIN 162	AC-FT	1225000			

ST. FRANCIS RIVER BASIN

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

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
NOV										
12...	1145	80513	80020	5650	112	7.70	11.0	210	7.8	70
DEC										
08...	1145	80513	80020	1010	288	8.00	8.5	220	9.2	79
MAR										
10...	1245	80513	80020	1070	244	8.15	10.5	98	8.8	78
MAY										
19...	1145	80513	80020	3280	329	8.15	28.0	67	5.2	67
JUL										
21...	1135	80513	80020	1350	344	8.20	29.0	56	6.2	80
AUG										
25...	1030	80513	80020	352	461	8.05	27.5	27	4.4	56
DATE	TIME	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS WH WAT TOT FLD MG/L AS CAC03 (00900)	HARD- NESS NONCARB WH WAT TOT FLD 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)
NOV										
12...	1145	767	1000	4300	66	16	10	10	4.9	13
DEC										
08...	1145	760	570	1700	120	0	33	9.1	8.9	13
MAR										
10...	1245	766	870	1000	110	10	31	7.8	7.0	12
MAY										
19...	1145	757	900	800	150	2	43	11	10	12
JUL										
21...	1135	768	K56	K180	160	0	44	13	10	12
AUG										
25...	1030	762	K33	K140	220	16	59	17	13	11
DATE	TIME	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	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)
NOV										
12...	1145	0.3	4.3	50	0	55	25	4.0	0.20	10
DEC										
08...	1145	0.4	5.0	120	0	150	24	5.9	0.20	14
MAR										
10...	1245	0.3	1.6	100	0	120	18	3.7	0.20	12
MAY										
19...	1145	0.4	2.4	151	0	200	18	9.0	0.20	14
JUL										
21...	1135	0.4	2.4	164	0	200	18	8.5	0.20	16
AUG										
25...	1030	0.4	2.7	201	0	260	22	7.6	0.30	18

ST. FRANCIS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L) AS N) (00618)	NITRO- GEN, 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										
12...	1145	92	99	0.13	0.510	0.030	0.540	0.100	0.030	1.0
DEC										
08...	1145	183	177	0.25	0.410	0.020	0.430	0.130	0.030	1.3
MAR										
10...	1245	149	142	0.20	0.260	0.020	0.280	0.180	0.050	1.3
MAY										
19...	1145	189	204	0.26	0.350	0.030	0.380	0.090	0.060	1.8
JUL										
21...	1135	192	209	0.26	--	<0.010	<0.100	0.040	0.030	1.4
AUG										
25...	1030	269	266	0.37	--	<0.010	0.140	0.020	0.010	0.88

DATE	TIME	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS, DIS- SOLVED (MG/L) AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L) AS P) (00666)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L) AS P) (00671)	BARIUM, DIS- SOLVED (UG/L) AS BA) (01005)	ALUM- INUM, DIS- SOLVED (UG/L) AS AL) (01106)	ARSENIC, DIS- SOLVED (UG/L) AS AS) (01000)	BERYL- LIUM, DIS- SOLVED (UG/L) AS BE) (01010)	CADMIUM, DIS- SOLVED (UG/L) AS CD) (01025)
NOV										
12...	1145	1.1	0.420	0.710	0.640	350	300	2	<0.5	<1
DEC										
08...	1145	1.4	0.490	0.660	0.570	390	190	2	<0.5	1
MAR										
10...	1245	1.5	0.160	0.030	0.060	310	110	1	<0.5	<1
MAY										
19...	1145	1.9	0.530	0.110	0.090	--	--	--	--	--
JUL										
21...	1135	1.4	0.330	0.080	0.070	200	10	3	<0.5	<1
AUG										
25...	1030	0.90	0.290	0.080	0.060	--	--	--	--	--

DATE	TIME	CHRO- MIUM, DIS- SOLVED (UG/L) AS CR) (01030)	COBALT, DIS- SOLVED (UG/L) AS CO) (01035)	COPPER, DIS- SOLVED (UG/L) AS CU) (01040)	IRON, DIS- SOLVED (UG/L) AS FE) (01046)	LEAD, DIS- SOLVED (UG/L) AS PB) (01049)	LITHIUM, DIS- SOLVED (UG/L) AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L) AS MN) (01056)	MERCURY, DIS- SOLVED (UG/L) AS HG) (71890)
NOV									
12...	1145	<1	<3	25	580	<5	<4	25	<0.1
DEC									
08...	1145	<1	<3	14	160	<5	10	73	<0.1
MAR									
10...	1245	<1	<3	2	160	<5	7	35	<0.1
JUL									
21...	1135	<1	<3	2	<3	5	13	12	<0.1

DATE	TIME	MOLYB- DENUM, DIS- SOLVED (UG/L) AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L) AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L) AS SE) (01145)	SILVER, DIS- SOLVED (UG/L) AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L) AS SR) (01080)	ZINC, DIS- SOLVED (UG/L) AS ZN) (01090)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV									
12...	1145	<10	4	<1	<1	48	97	271	95
DEC									
08...	1145	<10	2	<1	<1	140	110	150	97
MAR									
10...	1245	<10	2	<1	<1	120	100	151	92
MAY									
19...	1145	--	--	--	--	--	--	446	91
JUL									
21...	1135	<10	<1	<1	<1	180	27	133	92
AUG									
25...	1030	--	--	--	--	--	--	64	93

ST. FRANCIS RIVER BASIN

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

LOCATION.--Lat 35°32'15", long 90°29'05", in SE ¼ NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FEET) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CW) (00095)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
NOV										
18...	1500	80513	80513	67	5.73	362	0.60	9.5	248	755
DEC										
17...	1130	80513	80513	67	11.78	2920	0.20	7.5	162	760
17...	1200	80513	80513	68	--	330	0.10	7.0	--	--
17...	1230	80513	80513	68	--	41	0.10	7.0	--	--
JAN										
22...	0745	80513	80513	67	8.58	1350	0.70	3.5	286	754
FEB										
25...	1000	80513	80513	67	9.52	1960	0.30	3.0	220	763
MAR										
18...	0900	80513	80513	67	12.90	3090	0.10	14.0	208	751
18...	0930	80513	80513	68	--	441	0.10	14.0	--	--
18...	0945	80513	80513	68	--	34	0.10	14.0	--	--
18...	1000	80513	80513	68	--	36	0.10	14.0	--	--
APR										
15...	1000	80513	80513	67	10.07	2220	1.00	15.5	350	748
15...	1045	80513	80513	68	--	26	0.10	14.5	--	--
MAY										
20...	1030	80513	80513	67	6.56	609	0.40	27.0	330	759
JUN										
17...	1000	80513	80513	67	7.64	965	0.30	25.0	350	756

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 .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
NOV									
18...	1500	10.2	90	7.70	22	22	--	100	98
DEC									
17...	1130	10.5	88	7.40	131	1030	100	97	91
17...	1200	--	--	--	130	116	100	99	98
17...	1230	--	--	--	274	30	100	99	98
JAN									
22...	0745	13.3	101	8.00	46	168	100	95	88
FEB									
25...	1000	12.3	91	7.90	66	349	100	97	95
MAR									
18...	0900	9.0	89	7.50	101	843	100	98	95
18...	0930	--	--	--	144	171	100	98	97
18...	0945	--	--	--	777	71	100	99	99
18...	1000	--	--	--	303	29	100	99	99
APR									
15...	1000	8.9	91	8.10	70	420	--	--	--
15...	1045	--	--	--	125	8.8	--	100	97
MAY									
20...	1030	7.3	92	7.80	47	77	100	95	91
JUN									
17...	1000	6.0	73	8.30	78	203	100	99	98

ST. FRANCIS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
NOV									
18...	1500	96	--	--	100	90	70	23	5
DEC									
17...	1130	86	100	99	99	96	86	31	9
17...	1200	98	--	--	100	96	89	66	50
17...	1230	98	--	--	100	96	80	17	11
JAN									
22...	0745	87	--	--	100	98	70	7	1
FEB									
25...	1000	94	--	--	--	100	92	32	7
MAR									
18...	0900	94	--	--	100	99	94	55	14
18...	0930	95	--	--	100	91	60	16	7
18...	0945	99	--	--	100	89	69	45	35
18...	1000	99	--	--	100	93	65	25	21
APR									
15...	1000	--	--	--	100	99	91	16	3
15...	1045	97	--	--	100	97	84	59	50
MAY									
20...	1030	90	--	--	100	82	5	0	0
JUN									
17...	1000	98	--	--	100	98	87	22	6

ST. FRANCIS RIVER BASIN

63

07047815 CROSS COUNTY DITCH NEAR BIRDEYE, ARK.

LOCATION.--Lat 35°21'38", long 90°39'00", in NE ¼ SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FEET) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE WATER (DEG C) (00010)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
NOV										
19...	0745	80513	80513	67	18.00	402	1.00	9.0	45	49
DEC										
17...	1400	80513	80513	67	23.60	4880	0.30	6.5	155	2040
JAN										
22...	1030	80513	80513	67	20.41	1220	0.60	3.0	54	178
FEB										
25...	1100	80513	80513	67	21.17	1910	0.30	3.0	79	407
MAR										
18...	1045	80513	80513	67	25.42	4140	0.10	15.0	345	3860
APR										
15...	1245	80513	80513	67	21.31	1950	0.10	15.5	73	384
MAY										
20...	1300	80513	80513	67	18.51	576	0.40	28.0	67	104
JUN										
17...	1100	80513	80513	67	20.04	1500	0.20	25.0	158	640
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										
19...	0745	100	95	79	74	100	97	54	0	0
DEC										
17...	1400	100	99	97	95	100	96	49	2	1
JAN										
22...	1030	--	100	98	98	100	97	35	0	0
FEB										
25...	1100	--	100	97	94	100	97	43	0	0
MAR										
18...	1045	100	99	97	95	100	98	65	2	1
APR										
15...	1245	100	98	97	92	100	99	74	1	1
MAY										
20...	1300	--	100	99	99	100	99	72	3	1
JUN										
17...	1100	100	91	79	77	100	99	76	2	2

ST. FRANCIS RIVER BASIN

07047900 ST. FRANCIS BAY AT RIVERFRONT, ARK

LOCATION.--Lat 35°15'34", long 90°40'48", in W ¼ 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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1965 to September 1982, October 1984 to current year in reports of Geological Survey. January 1935 to date in reports of Mississippi River Commission.

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

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

COOPERATION.--Records furnished by U.S. Army Corps of Engineers.

AVERAGE DISCHARGE.--48 years (1936-75, 78-82, 85-87), 5,289 ft³/s, 3,832,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,100 ft³/s Feb. 2, 1937; maximum gage height, 39.03 ft May 3, 1973 (backwater from Mississippi River); no flow Nov. 17-26, 1941, because of backwater from Mississippi River.

EXTREMES FOR WATER YEAR 1982.--Maximum daily discharge, 23,700 ft³/s Feb. 9; minimum daily, 440 ft³/s July 26.

EXTREMES FOR WATER YEAR 1985.--Maximum discharge, 31,200 ft³/s Jan. 8, gage height, 31.87 ft; minimum, 445 ft³/s Sept. 23.

EXTREMES FOR WATER YEAR 1986.--Maximum discharge, 18,700 ft³/s May 26, gage height, 24.32 ft; minimum, 281 ft³/s Aug. 6.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 17,700 ft³/s Mar. 7; minimum daily, 415 ft³/s Aug. 22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	553	1170	1210	2010	19700	9690	5260	3710	2520	3150	1510	2460
2	973	1140	1240	2060	19800	9380	5800	3400	3490	3150	1550	1520
3	1430	1140	1240	2230	19800	9220	7370	3040	4550	2870	1480	1140
4	1330	1210	1270	2740	20600	9070	7390	2680	4750	2240	1390	1700
5	1040	1480	1310	2920	21500	8860	7030	2390	3690	1750	1350	2720
6	850	1490	1360	3110	21800	8650	6560	2120	1720	1630	1090	1900
7	887	1850	1340	3590	21800	8260	5800	2190	1500	1410	971	1180
8	1000	2170	1260	3840	22200	7720	5690	2790	1330	1290	1070	1060
9	1080	1970	1230	3760	23700	7110	6840	3150	1290	1000	1230	1030
10	1130	1600	1280	3460	23500	6600	5590	3680	1340	967	2060	1060
11	1370	1460	1280	3380	22700	6230	4800	5210	1390	992	1360	1220
12	1510	822	1460	3440	22500	5690	4730	4600	1510	1100	1160	1290
13	1460	443	1900	3510	21900	5320	4520	3770	1540	1120	1180	1460
14	1300	496	2240	3620	20800	5100	4000	2850	1540	1070	1550	1770
15	1230	654	2230	3790	19200	5220	2220	2710	1440	1010	2150	1640
16	1160	767	1130	4270	17300	5130	5030	2520	2430	964	4210	1340
17	1230	832	588	4350	15600	5220	7750	2390	3520	910	3780	1280
18	1920	893	737	4460	14400	5610	7810	1710	3470	849	2950	1460
19	2180	942	857	4700	13800	6000	7540	1650	2640	840	2360	1370
20	2210	920	933	4120	13600	5890	7990	1840	2110	853	1730	1260
21	1920	929	1010	4390	13600	5460	7280	2230	1760	850	1290	1130
22	1600	929	1060	4980	13500	4850	6410	2580	1630	808	1250	1090
23	1270	944	1120	8780	13000	4440	3580	2350	1530	667	1270	1110
24	1210	936	1230	9360	12300	4380	4460	2510	1480	555	1430	993
25	1220	925	1380	8420	11500	4530	4600	3480	1410	456	1720	946
26	1290	934	1510	9230	10900	4710	5380	4120	1600	440	1750	956
27	1780	926	1620	9470	10400	4820	6430	3610	1760	450	1650	976
28	1670	932	1710	11500	10000	4910	4810	3440	1770	482	2700	1040
29	1510	929	1780	13300	---	5030	4100	3040	2060	483	3620	1060
30	1340	1050	1870	14600	---	5140	3910	2630	3210	504	3300	1210
31	1240	---	1920	18100	---	5040	---	2410	---	1150	2570	---
TOTAL	41893	32883	42305	181490	491400	193280	170680	90800	65980	36010	58681	40371
MEAN	1351	1096	1365	5855	17550	6235	5689	2929	2199	1162	1893	1346
MAX	2210	2170	2240	18100	23700	9690	7990	5210	4750	3150	4210	2720
MIN	553	443	588	2010	10000	4380	2220	1650	1290	440	971	946
AC-FT	83090	65220	83910	360000	974700	383400	338500	180100	130900	71430	116400	80080
CAL YR 1981 TOTAL	889240			MEAN 2436	MAX 16600	MIN 88	AC-FT 1764000					
WTR YR 1982 TOTAL	1445773			MEAN 3961	MAX 23700	MIN 440	AC-FT 2868000					

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	759	12000	9990	29600	13300	17100	10600	21900	5440	5530	2840	2480
2	1310	13400	10300	30200	13200	18300	10200	22700	5270	5220	3470	2020
3	1140	13500	10700	30200	13000	19700	11500	23300	5060	4900	2580	1610
4	848	13100	10700	30200	12800	20900	12800	24400	4750	4650	2510	1290
5	784	13200	10700	30500	12700	22000	14000	25900	4680	4400	2310	1340
6	864	13600	10400	30600	11500	22500	15200	27200	4590	4090	2250	1480
7	1590	14200	10100	30800	10200	22400	16400	27900	4690	3920	2100	1530
8	3760	14700	9620	31000	9900	21900	17600	28100	4670	3570	1910	1670
9	4450	14100	9020	31100	9530	21100	18800	27200	4540	3340	1700	1790
10	4630	15000	8380	30700	9480	20000	19800	25400	4220	3200	1610	1840
11	5050	13800	7810	30100	11800	18800	20000	23100	4110	3410	1750	1880
12	3870	11800	7400	28900	11600	17700	19700	20500	3900	3610	1880	2000
13	2960	10100	6400	27300	10800	17100	18700	17500	4290	3520	1480	1730
14	2830	8730	5900	25800	11300	16700	18100	14700	5070	3520	1050	1260
15	2140	7480	4550	23800	11800	16200	18300	13000	4440	3470	976	1250
16	1740	6200	5080	21900	11900	15800	17300	11800	4700	3370	1550	1200
17	3290	4940	6920	20100	11900	15300	16900	10700	4230	3340	1860	976
18	3660	5390	8180	18100	11800	14800	17300	9650	3740	3120	1860	861
19	5530	7180	9780	16300	11900	14300	17700	8480	3710	3220	2290	761
20	6290	7200	11600	14900	11900	13700	17700	7420	4910	3270	2730	686
21	8820	7080	13800	14200	11700	13400	17400	6600	5490	3110	2320	615
22	10000	7360	14200	13700	11700	13700	16900	7950	5570	3040	1780	500
23	10200	7650	14200	12900	12000	12800	17300	11800	6110	2800	1110	494
24	10400	7940	14800	12700	14300	12100	18800	12600	6050	3270	995	1210
25	10700	8220	15900	12600	14700	11500	17300	12100	5770	2760	1010	1330
26	10900	8510	17500	12300	14200	11100	16400	11200	5450	2750	1270	918
27	11100	8790	19200	12300	14800	10600	18800	10500	5140	3060	4770	858
28	11400	9080	21000	12500	16000	9860	20500	9500	4690	3190	5840	851
29	11600	9370	23000	12400	---	9060	20100	7860	4970	3200	4070	858
30	11800	9680	25100	12400	---	8490	19900	6950	5590	3530	3520	869
31	11800	---	26400	13400	---	9720	---	6060	---	2860	2990	---
TOTAL	176215	303300	378630	673500	341710	488630	512000	493970	145840	110240	70381	38157
MEAN	5684	10110	12210	21730	12200	15760	17070	15930	4861	3556	2270	1272
MAX	11800	15000	26400	31100	16000	22500	20500	28100	6110	5530	5840	2480
MIN	759	4940	4550	12300	9480	8490	10200	6060	3710	2750	976	494
AC-FT	349500	601600	751000	1336000	677800	969200	1016000	979800	289300	218700	139600	75680
WTR YR 1985	TOTAL	3732573	MEAN	10230	MAX	31100	MIN	494	AC-FT	7404000		

ST. FRANCIS RIVER BASIN

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

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	874	2260	11900	5250	2620	2590	5450	4110	16800	3630	610	1050
2	920	4130	12400	5450	2300	2790	5040	4200	15200	3260	630	1050
3	943	4710	12300	5720	1660	3090	4750	4170	13500	3010	481	1060
4	907	4240	12100	5960	1490	3420	5020	4050	11800	2920	414	1060
5	902	3790	11900	5920	2310	3620	8790	3960	11500	2880	357	1060
6	899	2010	11400	5840	3930	3700	8880	3970	12700	2820	292	1060
7	898	1810	10600	5710	5970	3400	6860	4070	13300	2650	598	1070
8	885	1870	9740	5560	8950	3030	6750	3830	14100	2440	500	1060
9	819	1810	8820	5590	9850	2860	6670	3310	14900	2190	548	1050
10	801	1560	7520	5550	10600	2640	7040	3290	15600	1980	676	1040
11	888	976	6910	5460	11200	2320	7610	4320	15600	1840	850	1010
12	920	856	6290	5500	11400	7360	8140	5280	15200	1890	1210	969
13	936	865	5970	5540	11300	8960	7860	5620	15200	1820	1090	940
14	932	842	6560	5640	10500	7840	6800	5200	15500	1610	730	933
15	933	791	7340	5850	9520	8210	5540	4550	15800	1480	684	933
16	955	1010	7790	7770	8940	9320	4880	5600	15800	1420	817	929
17	1040	1680	8050	8280	8320	9980	4750	7450	15300	1340	1000	917
18	1060	1670	7800	7320	7980	9990	4350	8620	14000	1230	1460	901
19	1180	1940	7010	6250	8030	9530	4170	10300	12300	1090	1530	987
20	1240	2330	6570	5630	8200	8900	4100	11600	10300	1000	1430	1300
21	1340	3200	5980	5230	8140	8300	4450	12700	8300	925	1420	1180
22	1560	3780	5780	4970	7430	7960	4040	13800	6440	844	1460	1140
23	3780	3820	5800	5160	6180	7420	4160	15000	4870	734	1460	1220
24	3020	3900	5760	4900	5200	6680	5370	15800	4410	708	1350	1190
25	2050	4130	5550	4580	4240	6140	6100	17300	4400	667	1280	1140
26	1670	4520	5490	3940	3690	5760	4640	18400	4260	619	1330	1120
27	1510	7580	5390	3860	3610	4570	3610	18200	3700	593	1260	1090
28	1160	11600	5350	3660	3300	4500	3620	17700	3500	649	1410	1060
29	1040	11800	5340	3220	---	5160	4260	18200	3600	618	1040	922
30	1010	11700	5330	2800	---	5680	4260	18500	3770	560	973	874
31	1240	---	5150	2750	---	5680	---	17900	---	521	1040	---
TOTAL	38312	107180	239890	164860	186860	181400	167960	291000	331650	49938	29930	31315
MEAN	1236	3573	7738	5318	6674	5852	5599	9387	11060	1611	965	1044
MAX	3780	11800	12400	8280	11400	9990	8880	18500	16800	3630	1530	1300
MIN	801	791	5150	2750	1490	2320	3610	3290	3500	521	292	874
AC-FT	75990	212600	475800	327000	370600	359800	333100	577200	657800	99050	59370	62110
CAL YR 1985	TOTAL	3259810	MEAN	8931	MAX	31100	MIN	494	AC-FT	6466000		
WTR YR 1986	TOTAL	1820295	MEAN	4987	MAX	18500	MIN	292	AC-FT	3611000		

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	843	1060	722	3420	1250	15100	3660	2860	990	1080	1040	624
2	835	1080	1090	3550	1720	17500	3350	2480	1760	1370	938	643
3	860	1140	1510	3680	1840	16000	3040	2580	2620	4090	753	872
4	925	1180	1560	3800	1730	15500	3130	2620	3480	4920	729	711
5	1030	1270	1570	3900	1680	16600	3380	2620	1610	5350	780	541
6	1020	1350	1540	4020	1590	17500	3520	2370	1260	5430	695	540
7	1100	1410	1520	4220	1550	17700	3850	1950	1210	4690	659	577
8	1100	4560	2160	4340	1520	16600	3680	1620	988	3110	626	751
9	1040	6460	4600	4460	1420	13600	3430	1520	910	2920	634	751
10	891	5780	8480	4630	1320	12200	2890	1290	753	3840	624	617
11	897	4120	8660	4650	1180	10800	2740	1270	685	3540	520	678
12	1020	3320	7460	4660	1110	9410	2310	1140	715	2140	473	979
13	2070	2200	7700	4680	989	8030	2180	1020	700	1390	587	713
14	2670	1780	8390	4550	933	6180	2760	1020	812	1070	685	557
15	1820	1420	8460	5150	963	4450	2840	970	1080	848	660	622
16	1420	1230	7020	6040	1280	4230	3750	801	940	1040	548	811
17	1360	977	4970	5700	1850	4520	5580	744	1490	915	441	652
18	1330	755	3970	4100	2020	8950	4640	1200	1380	1180	420	684
19	1260	720	3970	3520	3260	9740	4110	1250	1950	887	734	715
20	1230	738	3980	2590	3760	7850	3460	946	2050	816	682	1100
21	1180	729	3840	2450	3430	7400	3410	903	1870	661	501	1080
22	1140	740	3380	2450	3080	7050	3350	907	1800	721	415	1030
23	1070	745	2730	2380	2440	6540	3000	991	1960	995	501	803
24	1110	743	2360	2130	2180	6080	2910	1080	2920	792	554	741
25	1500	836	2400	2020	2050	5110	2920	2060	3170	835	657	989
26	1710	1510	2680	1860	2320	4110	2890	2190	4280	886	859	681
27	1510	1240	2870	1620	4900	3570	2930	1820	3430	870	721	607
28	1360	874	3010	1280	9440	3520	3230	2110	1950	1900	646	618
29	1240	789	3090	1090	---	3520	3240	1880	1260	2810	710	626
30	1170	745	3280	1130	---	3580	3120	1630	1010	1780	763	700
31	1100	---	3400	1150	---	3670	---	1060	---	1110	695	---
TOTAL	38811	51501	122372	105220	62805	286610	99300	48902	51033	63986	20250	22013
MEAN	1252	1717	3947	3394	2243	9245	3310	1577	1701	2064	653	734
MAX	2670	6460	8660	6040	9440	17700	5580	2860	4280	5430	1040	1100
MIN	835	720	722	1090	933	3520	2180	744	685	661	415	540
AC-FT	76980	102200	242700	208700	124600	568500	197000	97000	101200	126900	40170	43660
CAL YR 1986	TOTAL	1647597	MEAN	4514	MAX	18500	MIN	292	AC-FT	3268000		
WTR YR 1987	TOTAL	972803	MEAN	2665	MAX	17700	MIN	415	AC-FT	1930000		

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

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1973 to September 1981.

WATER TEMPERATURES: October 1973 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FEET) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	SPE- CIFIC CON- DUCT- ANCE (US/CW) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT											
22.	1500	80513	80513	67	8.44	824	0.40	280	8.40	18.0	9.5
NOV											
12.	1400	80513	80020	--	--	3070	--	165	8.30	10.0	9.6
19.	0900	80513	80513	67	7.77	811	0.80	279	7.70	10.0	10.0
DEC											
08.	1250	80513	80020	--	--	1960	--	283	8.20	8.0	10.0
17.	1500	80513	80513	67	13.28	4410	0.20	175	7.40	7.5	10.3
JAN											
22.	1115	80513	80513	67	9.61	1820	0.70	323	8.00	3.5	13.0
FEB											
25.	1215	80513	80513	67	10.23	2000	0.30	248	8.00	4.0	12.0
MAR											
10.	1400	80513	80020	--	--	0400	--	160	7.55	11.0	8.0
18.	1130	80513	80513	67	16.95	7930	0.10	115	7.30	14.0	8.4
APR											
15.	1345	80513	80513	67	10.74	2550	0.10	211	7.70	15.0	7.8
MAY											
19.	1040	80513	80020	--	--	140	--	372	8.20	27.0	4.8
20.	1400	80513	80513	67	8.34	771	0.60	395	8.10	29.0	7.4
JUN											
17.	1200	80513	80513	67	9.15	1460	0.20	333	8.41	25.0	5.9
JUL											
14.	1330	80513	80513	67	8.87	1140	0.50	274	8.00	29.0	8.2
21.	0945	80513	80020	--	--	680	--	364	8.25	29.0	7.0
AUG											
19.	1300	80513	80513	67	8.24	762	0.50	365	8.20	29.0	7.8
25.	1150	80513	80020	--	--	--	--	411	8.00	28.0	6.8
SEP											
16.	1430	80513	80513	67	8.32	894	0.30	439	8.20	26.0	8.1
DATE	TIME	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLI- FORM, FECAL, O.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 NONCARB WH WAT TOT FLD 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)
OCT											
22.	1500	101	760	--	--	--	--	--	--	--	--
NOV											
12.	1400	84	768	1300	6400	60	0	16	4.9	5.6	15
19.	0900	89	760	--	--	--	--	--	--	--	--
DEC											
08.	1250	85	760	530	1800	120	11	33	8.6	7.4	12
17.	1500	86	760	--	--	--	--	--	--	--	--
JAN											
22.	1115	99	755	--	--	--	--	--	--	--	--
FEB											
25.	1215	91	763	--	--	--	--	--	--	--	--
MAR											
10.	1400	72	766	930	1500	69	11	18	5.7	5.3	14
18.	1130	83	751	--	--	--	--	--	--	--	--
APR											
15.	1345	79	750	--	--	--	--	--	--	--	--
MAY											
19.	1040	61	757	540	940	170	0	48	13	9.7	11
20.	1400	97	760	--	--	--	--	--	--	--	--
JUN											
17.	1200	72	756	--	--	--	--	--	--	--	--
JUL											
14.	1330	107	761	--	--	--	--	--	--	--	--
21.	0945	90	768	K33	K60	160	0	44	13	9.1	11
AUG											
19.	1300	102	758	--	--	--	--	--	--	--	--
25.	1150	87	762	K44	K170	200	18	55	15	14	13
SEP											
16.	1430	101	753	--	--	--	--	--	--	--	--

ST. FRANCIS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WH WAT TOTAL FIELD (MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD (MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD (MG/L AS HC03 (00440)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	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)
NOV 12.	1400	0.3	5.0	65	0	81	5.1	17	0.20	10	110
DEC 08.	1250	0.3	4.1	107	0	130	6.7	24	0.20	13	163
MAR 10.	1400	0.3	1.1	58	0	72	4.9	20	0.20	9.7	136
MAY 19.	1040	0.3	1.5	182	0	230	6.0	18	<0.10	18	218
JUL 21.	0945	0.3	1.1	164	0	210	5.7	18	0.20	16	208
AUG 25.	1150	0.4	2.3	182	0	230	11	28	0.20	20	251
DATE	TIME	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)	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)
NOV 12.	1400	107	0.15	0.170	0.020	0.190	0.060	0.020	1.6	1.7	0.550
DEC 08.	1250	162	0.22	--	<0.010	0.200	0.060	0.010	2.8	2.9	0.180
MAR 10.	1400	102	0.18	0.140	0.030	0.170	0.130	0.060	0.67	0.80	0.230
MAY 19.	1040	229	0.30	--	<0.010	<0.100	0.030	0.010	0.97	1.0	0.190
JUL 21.	0945	209	0.28	--	<0.010	<0.100	<0.010	0.010	--	0.90	0.110
AUG 25.	1150	260	0.34	--	--	--	<0.010	--	--	1.0	0.150
DATE	TIME	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)
NOV 12.	1400	0.630	380	2	300	<0.5	<1	<1	<3	8	690
DEC 08.	1250	0.110	--	--	--	--	--	--	--	--	--
MAR 10.	1400	0.120	420	1	270	<0.5	<1	<1	<3	4	410
MAY 19.	1040	0.090	20	2	330	<0.5	<1	<1	<3	7	14
JUL 21.	0945	0.090	--	--	--	--	--	--	--	--	--
AUG 25.	1150	0.110	10	4	330	<0.5	<1	<1	<3	3	16

ST. FRANCIS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	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)
OCT											
22.	1500	--	--	--	--	--	--	--	--	65	145
NOV											
12.	1400	<5	24	<0.1	<10	2	<1	58	72	736	6100
19.	0900	--	--	--	--	--	--	--	--	48	105
DEC											
08.	1250	--	--	--	--	--	--	--	--	241	1280
17.	1500	--	--	--	--	--	--	--	--	216	2570
JAN											
22.	1115	--	--	--	--	--	--	--	--	62	305
FEB											
25.	1215	--	--	--	--	--	--	--	--	82	443
MAR											
10.	1400	<5	16	0.1	<10	2	<1	67	120	174	4890
18.	1130	--	--	--	--	--	--	--	--	748	6000
APR											
15.	1345	--	--	--	--	--	--	--	--	159	1090
MAY											
19.	1040	<5	4	<0.1	<10	1	<1	140	33	72	27
20.	1400	--	--	--	--	--	--	--	--	72	150
JUN											
17.	1200	--	--	--	--	--	--	--	--	157	619
JUL											
14.	1330	--	--	--	--	--	--	--	--	105	323
21.	0945	--	--	--	--	--	--	--	--	56	103
AUG											
19.	1300	--	--	--	--	--	--	--	--	66	136
25.	1150	<5	4	<0.1	<10	<1	<1	190	33	29	--
SEP											
16.	1430	--	--	--	--	--	--	--	--	97	234

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										
22.	1500	--	100	92	92	100	93	36	1	1
NOV										
19.	0900	100	99	89	59	100	98	64	0	0
DEC										
17.	1500	100	98	89	85	100	98	44	1	1
JAN										
22.	1115	100	96	79	74	100	99	80	6	1
FEB										
25.	1215	100	99	89	86	100	94	64	3	2
MAR										
18.	1130	100	99	96	93	100	98	58	1	1
APR										
15.	1345	100	97	90	88	100	98	53	4	3
MAY										
20.	1400	100	99	99	98	100	99	73	0	0
JUN										
17.	1200	100	99	94	92	100	99	95	65	42
JUL										
14.	1330	100	97	96	93	100	98	54	3	2
AUG										
19.	1300	100	98	96	95	100	98	51	1	1
SEP										
16.	1430	100	97	95	95	100	95	34	5	4

ST. FRANCIS RIVER BASIN

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07047904 CLARK CORNER CUTOFF NEAR COLT, ARK

LOCATION.--Lat 35 08'41", long 90 39'23", in NW ¼ NE ¼ sec.15, T.6 N., R.4 E., St. Francis County, Hydrologic Unit 080203, 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FEET) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (W) (00078)	TEMPER- ATURE WATER (DEG C) (00010)
NOV								
19...	1000	80513	80513	67	19.13	558	0.50	10.0
DEC								
18...	0815	80513	80513	67	21.74	3600	0.10	7.0
JAN								
23...	0745	80513	80513	67	19.06	718	0.60	2.5
FEB								
25...	1330	80513	80513	67	20.87	2540	0.30	4.0
MAR								
19...	1045	80513	80513	67	28.80	8770	0.10	14.0
APR								
16...	0930	80513	80513	67	22.06	3230	0.10	15.0
MAY								
21...	0900	80513	80513	67	18.68	836	0.20	26.5
JUN								
18...	1000	80513	80513	67	18.49	1180	0.20	25.0

DATE	TIME	SEDI- MENT, DIS- CHARGE, 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)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)
NOV								
19...	1000	79	119	100	96	72	62	--
DEC								
18...	0815	127	1230	100	99	99	98	--
JAN								
23...	0745	49	95	--	100	98	95	--
FEB								
25...	1330	84	576	100	98	95	90	--
MAR								
19...	1045	501	1900	100	98	89	81	--
APR								
16...	0930	124	1080	100	99	96	90	--
MAY								
21...	0900	64	144	--	100	98	98	100
JUN								
18...	1000	130	414	100	99	99	98	--

DATE	TIME	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)
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NOV								
19...	1000	--	--	100	96	68	36	5
DEC								
18...	0815	--	--	100	90	7	5	5
JAN								
23...	0745	--	--	100	97	83	11	4
FEB								
25...	1330	--	--	100	82	8	2	1
MAR								
19...	1045	--	--	100	70	11	4	2
APR								
16...	0930	--	--	--	100	62	2	1
MAY								
21...	0900	80	49	46	26	14	6	4
JUN								
18...	1000	--	--	100	98	69	27	5

ST. FRANCIS RIVER BASIN

07047907 ST. FRANCIS RIVER AT MADISON, ARK.

LOCATION.--Lat 35°00'38", Long 90°43'05", in NE ¼ SW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FEET) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
OCT									
23...	0945	80513	80513	67	7.73	968	0.40	18.0	350
NOV									
19...	1215	80513	80513	67	7.44	606	0.60	9.5	259
DEC									
18...	1000	80513	80513	67	12.23	3690	0.10	7.0	160
JAN									
22...	1400	80513	80513	67	1.80	1880	0.60	3.5	303
FEB									
26...	0930	80513	80513	67	2.49	1990	0.10	4.0	230
MAR									
19...	0900	80513	80513	67	12.33	9620	0.10	14.0	130
APR									
16...	1045	80513	80513	67	6.66	2920	0.10	15.0	251
MAY									
21...	1030	80513	80513	67	0.0	834	0.10	27.0	370
JUN									
18...	1130	80513	80513	67	1.00	1410	0.20	25.0	400
JUL									
15...	0800	80513	80513	67	0.79	1200	0.50	29.0	257
AUG									
20...	0900	80513	80513	67	--	827	0.20	27.5	380
SEP									
17...	0800	80513	80513	67	--	621	0.20	26.5	418
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, DIS- SOLVED (MG/L) (80154)	SEDI- MENT, DIS- SOLVED (T/DAY) (80155)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)
OCT									
23...	0945	760	7.9	84	8.20	64	167	--	100
NOV									
19...	1215	757	10.4	92	7.80	29	47	--	100
DEC									
18...	1000	764	11.7	96	7.10	159	1580	--	100
JAN									
22...	1400	754	13.4	102	8.10	81	411	100	99
FEB									
26...	0930	761	12.8	98	7.40	99	532	100	98
MAR									
19...	0900	758	8.6	84	7.20	597	5500	--	100
APR									
16...	1045	751	8.0	81	7.80	126	993	100	99
MAY									
21...	1030	762	7.0	88	7.50	119	268	100	99
JUN									
18...	1130	757	5.9	72	8.15	131	499	--	100
JUL									
15...	0800	760	7.5	98	7.60	118	382	--	100
AUG									
20...	0900	759	6.6	84	8.00	120	268	100	99
SEP									
17...	0800	756	7.2	90	7.60	148	248	100	94

ST. FRANCIS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
23...	0945	96	93	--	100	99	97	63	13
NOV									
19...	1215	99	94	--	--	100	96	93	93
DEC									
18...	1000	97	95	--	100	96	65	2	1
JAN									
22...	1400	98	96	--	100	99	98	96	60
FEB									
26...	0930	92	91	--	100	98	70	11	1
MAR									
19...	0900	99	99	--	100	85	8	6	5
APR									
16...	1045	98	96	--	100	92	50	11	6
MAY									
21...	1030	96	87	100	99	96	80	41	3
JUN									
18...	1130	99	99	--	100	94	57	5	3
JUL									
15...	0800	98	95	--	100	96	66	10	4
AUG									
20...	0900	92	84	--	100	98	83	8	2
SEP									
17...	0800	86	76	--	100	99	92	28	2

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (70005)	STREAM STAGE (FEET) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)
OCT									
23...	0945	80513	80513	67	7.73	968	0.40	18.0	350
NOV									
19...	1215	80513	80513	67	7.44	606	0.60	9.5	259
DEC									
18...	1000	80513	80513	67	12.23	3690	0.10	7.0	160
JAN									
22...	1400	80513	80513	67	1.80	1880	0.60	3.5	303
FEB									
26...	0930	80513	80513	67	2.49	1990	0.10	4.0	230
MAR									
19...	0900	80513	80513	67	12.33	9620	0.10	14.0	130
APR									
16...	1045	80513	80513	67	6.66	2920	0.10	15.0	251
MAY									
21...	1030	80513	80513	67	0.0	834	0.10	27.0	370
JUN									
18...	1130	80513	80513	67	1.00	1410	0.20	25.0	400
JUL									
15...	0800	80513	80513	67	0.79	1200	0.50	29.0	257
AUG									
20...	0900	80513	80513	67	--	827	0.20	27.5	380
SEP									
17...	0800	80513	80513	67	--	621	0.20	26.5	418

ST. FRANCIS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	BARO- METRIC PRES- SURE (MM 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 23...	760	7.9	84	8.20	64	167	--	100
NOV 19...	757	10.4	92	7.80	29	47	--	100
DEC 18...	764	11.7	96	7.10	159	1580	--	100
JAN 22...	754	13.4	102	8.10	81	411	100	99
FEB 26...	761	12.8	98	7.40	99	532	100	98
MAR 19...	758	8.6	84	7.20	597	15500	--	100
APR 16...	751	8.0	81	7.80	126	993	100	99
MAY 21...	762	7.0	88	7.50	119	268	100	99
JUN 18...	757	5.9	72	8.15	131	499	--	100
JUL 15...	760	7.5	98	7.60	118	382	--	100
AUG 20...	759	6.6	84	8.00	120	268	100	99
SEP 17...	756	7.2	90	7.60	148	248	100	94

DATE	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 23...	96	93	--	100	99	97	63	13
NOV 19...	99	94	--	--	100	96	93	93
DEC 18...	97	95	--	100	96	65	2	1
JAN 22...	98	96	--	100	99	98	96	60
FEB 26...	92	91	--	100	98	70	11	1
MAR 19...	99	99	--	100	85	8	6	5
APR 16...	98	96	--	100	92	50	11	6
MAY 21...	96	87	100	99	96	80	41	3
JUN 18...	99	99	--	100	94	57	5	3
JUL 15...	98	95	--	100	96	66	10	4
AUG 20...	92	84	--	100	98	83	8	2
SEP 17...	86	76	--	100	99	92	28	2

ST. FRANCIS RIVER BASIN

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07047942 L'ANGUILLE RIVER NEAR COLT, ARK.

LOCATION.--Lat 35°08'40", long 90°52'42", in NE ¼ NW ¼ 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 National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records good except for estimated daily discharges, Nov. 19 to Jan. 4, which are fair.

AVERAGE DISCHARGE.--17 years, 729 ft³/s, 18.50 in/yr, 528,200 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, 5,750 ft³/s Mar. 1, gage height, 14.73 ft; minimum, 4.5 ft³/s Oct. 9, gage height, 1.78 ft.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	225	e450	e170	131	5510	698	40	542	159	184	187
2	14	191	e400	e160	345	5460	643	38	469	132	170	178
3	12	154	e330	e150	371	5080	587	36	419	125	152	165
4	10	115	e280	e150	372	4250	530	35	395	142	136	148
5	8.7	149	e250	142	411	3410	471	36	372	246	120	133
6	7.4	132	e220	e130	421	2710	414	42	348	287	107	112
7	6.2	139	e200	124	412	2290	363	55	323	379	95	100
8	5.2	567	e180	120	392	2010	318	78	298	529	99	161
9	4.7	710	e160	117	364	1790	272	92	270	639	113	141
10	5.6	879	e250	143	336	1590	227	93	243	724	123	101
11	8.3	1730	e400	141	305	1370	190	98	217	745	213	94
12	10	2130	e700	152	275	1200	167	112	198	712	202	98
13	11	2010	e1100	172	244	1040	142	100	185	653	195	108
14	11	1850	e1200	173	284	928	191	114	168	584	191	123
15	23	1670	e1100	162	323	834	176	153	212	520	175	126
16	62	1480	e900	153	490	765	162	168	185	461	155	116
17	84	1280	e750	144	478	751	160	167	163	409	137	111
18	98	1110	e600	142	420	2380	164	151	170	359	142	125
19	106	e900	e500	171	383	2530	169	126	180	307	149	160
20	109	e800	e400	170	353	2600	173	98	195	252	157	185
21	104	e700	e350	176	325	2540	171	71	200	206	179	188
22	91	e600	e300	188	302	2100	164	53	204	173	208	181
23	72	e550	e250	193	292	1750	146	95	220	150	231	160
24	98	e500	e210	192	273	1600	125	216	246	135	238	132
25	169	e450	e250	183	254	1410	105	304	260	126	245	105
26	143	e420	e240	167	345	1270	86	398	262	112	246	80
27	199	e510	e220	147	842	1140	71	539	254	137	236	60
28	258	e600	e210	129	2880	999	59	627	233	176	232	44
29	281	e600	e200	115	---	898	53	662	211	196	215	39
30	274	e510	e190	110	---	816	48	645	187	200	200	38
31	254	---	e180	119	---	756	---	582	---	193	193	---
TOTAL	2555.1	23661	12970	4705	12623	63777	7245	6024	7829	10168	5438	3699
MEAN	82.4	789	418	152	451	2057	241	194	261	328	175	123
MAX	281	2130	1200	193	2880	5510	698	662	542	745	246	188
MIN	4.7	115	160	110	131	751	48	35	163	112	95	38
AC-FT	5070	46930	25730	9330	25040	126500	14370	11950	15530	20170	10790	7340
CFSM	.15	1.47	.78	.28	.84	3.85	.45	.36	.49	.61	.33	.23
IN.	.18	1.65	.90	.33	.88	4.43	.50	.42	.54	.71	.38	.26

CAL YR 1986 TOTAL 143254.0 MEAN 392 MAX 3080 MIN 4.7 AC-FT 284100 CFSM .73 IN. 9.96
WTR YR 1987 TOTAL 160694.1 MEAN 440 MAX 5510 MIN 4.7 AC-FT 318700 CFSM .82 IN. 11.2

e Estimated

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAMPLE SOURCE (72005)	STREAM STAGE (FEET) (00065)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT											
23.	0830	80513	80513	67	4.47	78	0.10	300	7.50	16.5	6.8
NOV											
12.	1015	80513	80020	--	--	2180	--	120	7.70	12.0	3.8
19.	1115	80513	80513	67	12.10	975	0.10	288	7.70	8.0	6.2
DEC											
08.	1005	80513	80020	--	--	617	--	146	7.50	8.5	9.3
18.	0730	80513	80513	67	12.58	1530	0.10	108	7.15	7.0	9.8
JAN											
23.	0930	80513	80513	67	6.00	188	0.10	215	7.80	1.0	12.6
FEB											
26.	1100	80513	80513	67	6.76	230	0.10	177	7.30	7.0	10.4
MAR											
10.	1015	80513	80020	--	--	1790	--	93	7.40	11.5	9.0
19.	1230	80513	80513	67	13.44	1750	0.10	82	7.10	15.0	6.6
19.	1315	80513	80513	68	--	1030	0.10	82	7.10	16.0	6.4
APR											
16.	0845	80513	80513	67	5.51	140	0.10	142	7.30	14.5	6.2
MAY											
19.	0900	80513	80020	--	--	104	--	313	7.85	26.0	3.7
21.	0800	80513	80513	67	3.81	54	0.03	320	7.50	26.5	4.0
JUN											
17.	1330	80513	80513	67	5.42	134	0.20	322	7.91	25.5	4.1
JUL											
15.	1045	80513	80513	67	10.08	551	0.50	202	7.70	25.5	3.7
22.	1145	80513	80020	--	--	151	--	277	8.05	28.5	4.6
AUG											
20.	0800	80513	80513	67	5.29	148	0.20	475	8.20	27.0	5.5
26.	1105	80513	80020	--	--	--	--	537	8.15	27.0	5.0
SEP											
17.	0945	80513	80513	67	4.53	103	0.20	520	7.40	24.0	6.4
DATE	TIME	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	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 CAC03) (00900)	HARD- NESS NONCARB WH WAT TOT FLD 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)
OCT											
23.	0830	70	--	760	--	--	--	--	--	--	--
NOV											
12.	1015	35	2.2	768	270	4300	41	0	10	4.0	5.9
19.	1115	53	--	758	--	--	--	--	--	--	--
DEC											
08.	1005	80	5.3	760	2200	3200	45	0	11	4.2	8.4
18.	0730	81	--	762	--	--	--	--	--	--	--
JAN											
23.	0930	89	--	761	--	--	--	--	--	--	--
FEB											
26.	1100	86	--	760	--	--	--	--	--	--	--
MAR											
10.	1015	82	2.2	764	K66	K130	33	6	8.6	2.9	4.5
19.	1230	66	--	758	--	--	--	--	--	--	--
19.	1315	65	--	758	--	--	--	--	--	--	--
APR											
16.	0845	62	--	752	--	--	--	--	--	--	--
MAY											
19.	0900	46	2.6	757	K100	300	120	8	30	10	15
21.	0800	50	--	760	--	--	--	--	--	--	--
JUN											
17.	1330	51	--	756	--	--	--	--	--	--	--
JUL											
15.	1045	45	--	760	--	--	--	--	--	--	--
22.	1145	59	2.8	764	K78	K110	110	0	28	10	16
AUG											
20.	0800	70	--	758	--	--	--	--	--	--	--
26.	1105	63	--	761	K55	240	230	0	55	22	25
SEP											
17.	0945	77	--	756	--	--	--	--	--	--	--

ST. FRANCIS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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										
23.	0830	--	--	--	100	--	100	99	99	94
NOV										
19.	1115	--	100	99	98	81	68	65	60	58
DEC										
18.	0730	100	98	97	97	100	98	98	96	95
JAN										
23.	0930	--	100	99	98	--	100	99	98	97
FEB										
26.	1100	--	100	98	97	100	93	83	75	71
MAR										
19.	1230	100	99	96	96	100	57	42	37	34
19.	1315	100	98	97	97	100	96	92	89	87
APR										
16.	0845	--	--	--	100	--	100	99	97	95
MAY										
21.	0800	100	99	97	97	100	95	92	89	88
JUN										
17.	1330	--	--	--	100	--	100	99	98	95
JUL										
15.	1045	100	98	96	96	100	99	97	96	93
AUG										
20.	0800	100	95	93	91	100	98	97	96	94
SEP										
17.	0945	100	99	98	98	100	93	87	84	80

ST. FRANCIS RIVER BASIN

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07047947 SECOND CREEK NEAR PALESTINE, ARK.

LOCATION.--Lat 35°02'20", long 90°54'40", in SW ¼ SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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										
21...	1025	9827	9827	7.75	15.0	--	7.2	1.5	820	130
DEC										
02...	0945	9827	9827	7.70	8.0	70	6.6	1.3	36	50
29...	1145	9827	9827	7.32	3.0	55	10.3	0.9	56	82
JAN										
27...	1210	9827	9827	7.53	2.0	80	12.4	1.6	52	52
FEB										
24...	1230	9827	9827	7.39	9.0	95	9.4	2.6	50	44
MAR										
17...	1240	9827	9827	--	16.0	160	3.7	3.0	200	44
APR										
21...	1045	9827	9827	7.44	25.0	--	6.0	--	44	44
MAY										
26...	1520	9827	9827	7.48	27.0	35	6.6	2.5	70	--
JUN										
23...	1625	9827	9827	7.86	28.0	10	7.1	2.6	50	140
JUL										
21...	1535	9827	9827	8.24	29.0	5.8	--	--	72	160
SEP										
15...	1410	9827	9827	7.80	25.0	5.9	6.8	3.3	110	220
22...	1110	9827	9827	7.77	12.0	4.8	5.7	1.1	68	180

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- PENDED (MG/L) (00530)	NITRO- GEN, N02+N03 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)
OCT										
21...	1025	--	31	225	12	0.090	0.050	0.070	0.030	<1
DEC										
02...	0945	--	12	174	--	0.110	0.100	0.320	0.190	--
29...	1145	6.0	9.0	14	24	0.760	--	0.180	--	2
JAN										
27...	1210	--	12	161	35	0.100	--	0.200	0.110	--
FEB										
24...	1230	11	7.5	198	38	0.250	0.100	0.220	0.150	<1
MAR										
17...	1240	12	6.0	247	77	0.130	0.170	0.410	0.210	2
APR										
21...	1045	11	4.0	131	34	0.070	0.120	0.240	0.160	--
MAY										
26...	1520	8.0	35	242	103	0.070	0.020	0.200	0.090	--
JUN										
23...	1625	8.0	39	240	--	0.370	--	0.170	0.030	<1
JUL										
21...	1535	2.0	22	213	8	0.170	0.070	0.120	0.080	<1
SEP										
15...	1410	5.0	45	308	11	0.050	0.020	0.120	0.080	1
22...	1110	--	41	271	7	0.050	<0.010	0.100	0.060	<1

ST. FRANCIS RIVER BASIN

07047947 SECOND CREEK NEAR PALESTINE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	BETA BENZENE HEXACHLORIDE TOTAL (UG/L) (39338)	DELTA BENZENE HEXACHLORIDE TOTAL (UG/L) (34259)
OCT 21...	1025	<1	<15	--	--	<10	<0.002	<0.01	<0.01	<0.01
DEC 02...	0945	--	<15	4	--	20	--	--	--	--
29...	1145	--	<15	3	--	30	--	--	--	--
JAN 27...	1210	2	--	1	--	--	<0.002	<0.01	<0.01	<0.01
FEB 24...	1230	44	<15	3	--	70	--	--	--	--
MAR 17...	1240	<15	--	--	--	--	--	--	--	--
APR 21...	1045	2	<15	2	--	--	--	--	--	--
MAY 26...	1520	5	<15	6	--	10	--	--	--	--
JUN 23...	1625	7	--	<1	--	--	--	--	--	--
JUL 21...	1535	1	24	6	<0.50	10	<0.002	<0.01	<0.01	<0.01
SEP 15...	1410	1	<15	10	--	40	--	--	--	--
22...	1110	<1	<15	<1	--	30	--	--	--	--

DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLORDANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)
OCT 21...	1025	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JAN 27...	1210	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JUL 21...	1535	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06

DATE	TIME	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	MALA- THION, TOTAL (UG/L) (39530)	CHLOR- PYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDE- HYDE TOTAL (UG/L) (34366)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
OCT 21...	1025	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JAN 27...	1210	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JUL 21...	1535	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3

DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
OCT 21...	1025	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JAN 27...	1210	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JUL 21...	1535	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

07047964 L'ANGUILLE RIVER AT MARIANNA, ARK.

LOCATION.--Lat 34°47'12", long 90°45'00", in SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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										
21...	1645	9827	9827	7.69	20.0	--	6.9	>6.9	20	180
DEC										
02...	1305	9827	9827	7.08	8.0	55	7.4	1.9	310	42
29...	1440	9827	9827	7.24	6.0	60	9.3	1.0	84	46
JAN										
27...	1515	9827	9827	7.78	4.0	50	11.5	1.5	64	80
FEB										
24...	1610	9827	9827	7.54	8.0	75	9.8	2.2	20	68
MAR										
17...	1450	9827	9827	--	14.0	130	7.8	2.5	100	34
APR										
21...	1140	9827	9827	8.57	25.0	--	9.7	--	190	96
MAY										
26...	1810	9827	9827	--	26.0	20	5.5	3.6	410	--
JUN										
23...	1320	9827	9827	7.94	30.0	85	6.1	3.4	5200	130
JUL										
21...	1940	9827	9827	7.96	25.0	40	--	--	12	100
SEP										
15...	1800	9827	9827	8.10	23.0	35	8.3	3.4	220	230
22...	1430	9827	9827	7.89	19.0	50	7.5	2.7	110	210

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- PENDED (MG/L) (00530)	NITRO- GEN, NO2+N03 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, ORTH0, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)
OCT										
21...	1645	--	12	272	26	0.010	0.030	0.290	0.110	<1
DEC										
02...	1305	--	11	133	--	0.100	0.080	0.270	0.180	--
29...	1440	9.0	5.0	140	26	0.090	--	0.210	--	<1
JAN										
27...	1515	--	10	167	21	0.200	--	0.230	0.160	--
FEB										
24...	1610	14	8.0	191	63	0.340	0.160	0.280	0.160	<1
MAR										
17...	1450	10	3.0	164	101	0.130	0.110	0.400	0.160	--
APR										
21...	1140	17	12	178	30	0.030	0.070	0.320	0.190	--
MAY										
26...	1810	13	15	188	213	0.450	0.240	0.520	0.180	--
JUN										
23...	1320	13	13	213	--	0.430	--	0.420	0.080	<1
JUL										
21...	1940	7.0	8.0	151	53	0.180	0.040	0.260	0.130	<1
SEP										
15...	1800	12	32	318	70	0.100	0.020	0.270	0.130	<1
22...	1430	--	33	304	97	0.190	0.070	0.300	0.120	<1

ST. FRANCIS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	BETA BENZENE HEXACHLORIDE TOTAL (UG/L) (39338)	DELTA BENZENE HEXACHLORIDE TOTAL (UG/L) (34259)
OCT 21...	1645	<1	<15	--	--	<10	<0.002	<0.01	<0.01	<0.01
DEC 02...	1305	--	<15	4	--	10	--	--	--	--
DEC 29...	1440	--	<15	4	--	10	--	--	--	--
JAN 27...	1515	1	--	2	--	--	<0.002	<0.01	<0.01	<0.01
FEB 24...	1610	3	<15	3	--	100	--	--	--	--
MAR 17...	1450	2	<15	--	--	--	--	--	--	--
APR 21...	1140	2	<15	1	--	--	--	--	--	--
MAY 26...	1810	9	<15	120	--	20	--	--	--	--
JUN 23...	1320	15	--	2	--	--	--	--	--	--
JUL 21...	1940	2	17	5	<0.50	10	<0.002	<0.01	<0.01	<0.01
SEP 15...	1800	2	<15	3	--	20	<0.002	<0.01	<0.01	<0.01
SEP 22...	1430	2	<15	2	--	30	--	--	--	--

DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLORDANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)
OCT 21...	1645	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JAN 27...	1515	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JUL 21...	1940	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
SEP 15...	1800	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06

DATE	TIME	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	MALATHION, TOTAL (UG/L) (39530)	CHLOR- PYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDEHYDE TOTAL (UG/L) (34366)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	TOXAPHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
OCT 21...	1645	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JAN 27...	1515	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JUL 21...	1940	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
SEP 15...	1800	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3

DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METHOXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARATHION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
OCT 21...	1645	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JAN 27...	1515	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JUL 21...	1940	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
SEP 15...	1800	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

WHITE RIVER BASIN

83

07048550 WEST FORK WHITE RIVER EAST OF FAYETTEVILLE, ARK.

LOCATION.--Lat 36°03'00", Long 94°04'42", in NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT									
21...	1516	9827	9827	7.80	18.0	--	9.0	1.7	40
NOV									
24...	1200	9827	9827	7.76	--	4.0	10.8	0.7	--
DEC									
16...	0723	9827	9827	7.66	7.0	8.0	--	--	--
JAN									
27...	1437	9827	9827	7.80	5.0	7.0	12.9	0.3	<4
FEB									
24...	1511	9827	9827	7.88	7.5	9.5	11.9	0.7	12
MAR									
24...	1453	9827	9827	7.68	10.0	50	10.4	1.8	>6000
APR									
21...	1514	9827	9827	--	19.0	--	--	--	160
MAY									
26...	1445	9827	9827	7.79	25.0	20	7.8	1.1	230
JUN									
23...	1414	9827	9827	7.71	23.0	--	6.7	5.6	8900
JUL									
21...	1558	9827	9827	8.26	31.0	15	10.0	6.7	160
AUG									
18...	1438	9827	9827	7.37	28.0	90	4.5	3.2	70
SEP									
22...	1443	9827	9827	7.77	21.0	30	7.3	1.3	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- PENDED (MG/L) (00530)	NITRO- GEN, NO2+N03 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									
21...	1516	76	--	4.5	122	11	0.400	0.010	<0.10
NOV									
24...	1200	78	12	5.0	111	4	0.300	0.020	0.50
DEC									
16...	0723	62	14	3.5	99	12	0.390	0.040	0.20
JAN									
27...	1437	60	10	3.0	95	1	0.600	0.210	0.20
FEB									
24...	1511	56	13	4.5	97	7	0.500	0.030	0.10
MAR									
24...	1453	40	8.0	4.0	71	51	0.420	0.150	0.40
MAY									
26...	1445	60	8.0	5.0	91	25	0.210	0.010	0.30
JUN									
23...	1414	58	7.0	2.0	128	--	0.380	0.010	1.7
JUL									
21...	1558	130	24	9.0	181	15	6.10	2.50	3.5
AUG									
18...	1438	82	7.0	5.0	--	78	0.960	0.400	0.80
SEP									
22...	1443	100	24	4.0	146	33	0.430	0.020	<0.10

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
21...	1516	--	--	1	<1	<15	1	--	--
NOV									
24...	1200	0.040	0.040	<1	<1	20	1	--	<10
DEC									
16...	0723	0.060	0.060	--	1	--	2	--	20
JAN									
27...	1437	0.030	0.060	<1	<1	<15	<1	--	30
FEB									
24...	1511	0.030	0.050	<1	<1	--	1	--	20
MAR									
24...	1453	0.160	0.150	<1	<1	<15	1	--	--
MAY									
26...	1445	0.070	0.050	<1	1	<15	<1	--	<10
JUN									
23...	1414	--	--	--	10	<15	--	--	--
JUL									
21...	1558	0.120	0.030	<1	--	--	--	<0.50	20
AUG									
18...	1438	--	0.160	<1	--	<15	--	--	10
SEP									
22...	1443	0.070	0.020	--	1	<15	7	--	10

WHITE RIVER BASIN

85

07048600 WHITE RIVER NEAR FAYETTEVILLE, ARK

LOCATION.--Lat 36°04'23", long 94°04'51", in NE ¼ SW ¼ 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 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 National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--24 years, 534 ft³/s, 18.13 in/yr, 386,900 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)
Oct. 1	1600	21,300	20.07	Apr. 13	1900	14,500	17.80
Mar. 17	2000	*27,600	*21.73	June 23	1400	9,950	15.20

Minimum discharge, 2.5 ft³/s Aug. 10, 11, gage height, 0.95 ft.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14300	254	144	91	339	3330	571	148	912	79	5.0	16
2	2860	225	139	89	499	1840	521	131	696	46	4.4	14
3	1200	200	134	108	408	1330	456	143	557	37	4.4	11
4	932	1480	126	134	346	1050	406	241	455	46	4.2	11
5	621	2420	120	133	304	893	363	167	354	46	3.5	17
6	476	1380	114	135	280	772	333	471	281	38	3.3	15
7	374	958	116	144	264	674	309	955	223	28	3.1	11
8	298	787	125	136	245	603	286	624	176	22	2.9	11
9	250	645	232	3660	231	545	263	428	134	19	3.1	11
10	225	533	324	2820	216	491	243	325	118	17	2.9	12
11	198	576	318	1740	207	437	228	264	108	15	6.9	12
12	574	518	308	1230	197	389	216	218	100	12	24	28
13	477	436	305	927	197	351	5420	194	92	14	44	54
14	410	380	300	758	1100	321	3280	194	82	14	16	17
15	327	352	280	648	2190	296	1850	226	71	12	9.7	18
16	270	325	264	577	3830	282	1200	224	57	11	9.8	703
17	225	299	244	552	2000	11500	922	170	55	14	59	186
18	189	265	218	1240	1450	8710	756	139	95	24	17	75
19	155	239	240	1320	1240	2740	630	127	222	12	41	59
20	130	214	279	960	1020	1800	541	240	59	10	22	44
21	116	194	277	807	874	1380	472	145	43	8.7	14	33
22	174	170	229	710	767	1630	426	221	36	8.0	11	27
23	458	147	202	617	671	2070	376	229	2920	7.2	9.4	24
24	350	137	182	561	592	3850	341	271	634	6.9	9.6	21
25	1280	139	167	516	544	2040	308	404	223	11	9.4	18
26	1130	166	148	458	550	1460	278	651	118	13	9.4	16
27	687	185	128	411	634	1170	246	519	85	10	42	15
28	524	177	118	383	2690	988	223	1520	64	8.4	45	17
29	420	163	111	342	---	887	200	3920	50	7.7	22	25
30	348	158	103	319	---	748	173	1780	44	6.6	23	17
31	297	---	97	292	---	646	---	1060	---	5.4	20	---
TOTAL	30275	14122	6092	22818	23885	55223	21837	16349	9064	608.9	501.0	1538
MEAN	977	471	197	736	853	1781	728	527	302	19.6	16.2	51.3
MAX	14300	2420	324	3660	3830	11500	5420	3920	2920	79	59	703
MIN	116	137	97	89	197	282	173	127	36	5.4	2.9	11
AC-FT	60050	28010	12080	45260	47380	109500	43310	32430	17980	1210	994	3050
CFSM	2.44	1.18	.49	1.84	2.13	4.45	1.82	1.32	.76	.0	.0	.13
IN.	2.82	1.31	.57	2.12	2.22	5.14	2.03	1.52	.84	.06	.0	.14
CAL YR 1986	TOTAL 172183.0	MEAN 472	MAX 14300	MIN 3.8	AC-FT 341500	CFSM 1.18	IN. 16.0					
WTR YR 1987	TOTAL 202312.5	MEAN 554	MAX 14300	MIN 2.9	AC-FT 401300	CFSM 1.39	IN. 18.8					

WHITE RIVER BASIN

07048700 WHITE RIVER NEAR GOSHEN, ARK.

LOCATION.--Lat 36°06'21", long 94°00'41", in NE ¼ NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT										
21...	0910	9827	9827	--	16.0	--	7.9	--	4.2	100
NOV										
24...	0900	9827	9827	7.54	8.0	6.5	10.0	--	3.0	--
DEC										
29...	1005	9827	9827	7.53	5.0	8.5	11.0	--	2.0	<4
JAN										
12...	1300	80513	80020	--	--	--	--	--	--	--
12...	1301	80513	80020	--	--	--	--	--	--	--
12...	1305	80513	80020	7.64	4.0	32	13.4	106	1.2	--
27...	0905	9827	9827	7.62	3.0	10	12.5	--	2.5	<4
FEB										
24...	0910	9827	9827	7.69	7.0	15	11.4	--	1.1	<4
MAR										
24...	0900	9827	9827	7.56	11.0	70	10.0	--	4.6	>6000
APR										
21...	0945	9827	9827	7.77	20.0	15	--	--	3.8	20
MAY										
14...	0800	80513	80020	--	--	--	--	--	--	--
14...	0801	80513	80020	--	--	--	--	--	--	--
14...	0805	80513	80020	7.20	22.0	8.8	5.2	62	3.6	--
26...	0850	9827	9827	7.68	24.0	15	6.7	--	--	240
JUN										
23...	0950	9827	9827	7.56	26.0	25	4.6	--	>3.6	500
JUL										
21...	0850	9827	9827	7.55	27.0	10	3.3	--	>5.0	150
AUG										
18...	0900	9827	9827	7.18	23.0	60	2.1	--	5.8	92
20...	1330	80513	80020	--	--	--	--	--	--	--
20...	1335	80513	80020	7.11	28.0	5.9	2.7	36	3.6	--
SEP										
22...	0840	9827	9827	7.46	20.0	35	3.9	--	5.3	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- (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									
21...	0910	68	--	8.0	123	18	1.10	0.030	0.10
NOV									
24...	0900	60	8.0	6.0	97	7	0.930	0.210	0.70
DEC									
29...	1005	50	11	6.0	86	3	0.680	0.550	<0.10
JAN									
12...	1305	30	--	--	--	--	0.500	--	--
27...	0905	40	8.0	4.0	77	5	0.660	--	0.50
FEB									
24...	0910	34	8.0	4.0	89	11	0.680	0.210	0.20
MAR									
24...	0900	32	8.0	3.5	70	82	0.460	0.090	<0.10
APR									
21...	0945	48	7.0	3.0	72	15	0.460	--	4.4
MAY									
14...	0805	45	--	--	--	--	0.600	--	--
26...	0850	44	5.0	4.5	77	34	0.380	0.370	0.40
JUN									
23...	0950	60	10	8.5	101	57	1.10	0.810	0.80
JUL									
21...	0850	100	17	24	188	20	0.790	--	4.0
AUG									
18...	0900	90	--	21	209	69	0.330	--	6.7
20...	1335	100	--	--	--	--	0.300	--	--
SEP									
22...	0840	86	19	12	--	59	1.90	0.340	0.50

WHITE RIVER BASIN

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07048700 WHITE RIVER NEAR GOSHEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
21...	0910	0.680	0.500	4	<1	25	--	--	30
NOV									
24...	0900	0.270	0.210	3	<1	17	<1	--	10
DEC									
29...	1005	0.320	0.290	--	1	15	1	--	110
JAN									
12...	1305	0.090	0.040	--	<10	7	<5	<0.10	<10
27...	0905	0.240	0.280	2	1	<15	<1	--	20
FEB									
24...	0910	0.160	0.120	<1	<1	<15	<1	--	10
MAR									
24...	0900	0.200	0.080	--	<1	<15	--	--	20
APR									
21...	0945	0.150	0.110	--	--	--	<1	--	--
MAY									
14...	0805	0.440	0.370	--	<10	9	<5	<0.10	<10
26...	0850	0.210	0.140	<1	--	<15	1	--	<10
JUN									
23...	0950	0.340	0.210	--	5	<15	1	--	40
JUL									
21...	0850	2.50	2.10	<1	2	17	<1	<0.50	10
AUG									
18...	0900	2.20	--	<1	3	18	2	--	20
20...	1335	1.70	1.40	--	--	3	<5	<0.10	20
SEP									
22...	0840	0.930	0.700	2	1	<15	--	--	30

07048980 HOLMAN CREEK NEAR HUNTSVILLE, ARK.

LOCATION.--Lat 36°07'25", long 93°44'02", in SW ¼ NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, UM-WF (COLS./ 100 ML) (31616)
OCT									
21...	1430	9827	9827	--	17.0	--	7.2	>7.2	60
NOV									
24...	1425	9827	9827	7.63	--	3.0	9.2	2.4	--
DEC									
29...	1050	9827	9827	7.85	5.0	1.5	12.1	1.2	<4
JAN									
27...	1430	9827	9827	7.82	7.0	6.0	9.9	6.9	<4
FEB									
24...	1410	9827	9827	7.85	7.0	5.5	11.1	1.4	<4
MAR									
24...	1400	9827	9827	7.78	10.0	15	9.6	3.4	4
APR									
21...	1030	9827	9827	7.77	17.0	4.9	--	4.8	48
JUN									
23...	1450	9827	9827	7.72	24.0	80	5.0	2.6	>6000
JUL									
21...	1420	9827	9827	7.84	27.0	4.5	5.6	12	52
AUG									
18...	1440	9827	9827	7.52	--	3.4	5.6	--	590
SEP									
22...	1340	9827	9827	7.49	30.0	50	5.0	--	40

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- PENDEO (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									
21...	1430	100	--	36	210	--	2.50	7.50	1.0
NOV									
24...	1425	110	14	29	195	3	4.30	4.60	8.7
DEC									
29...	1050	98	17	12	204	1	1.80	0.170	<0.10
JAN									
27...	1430	82	11	17	134	7	1.60	--	6.8
FEB									
24...	1410	70	11	7.0	120	5	1.40	0.430	0.40
MAR									
24...	1400	54	8.0	7.5	82	9	0.850	0.800	0.70
APR									
21...	1030	80	10	8.5	118	5	0.820	--	6.7
JUN									
23...	1450	86	9.0	16	153	85	1.60	3.50	--
JUL									
21...	1420	94	18	82	295	7	2.00	--	26
AUG									
18...	1440	98	--	90	357	4	8.80	--	23
SEP									
22...	1340	120	22	43	--	5	6.00	8.00	7.3

07048980 HOLMAN CREEK NEAR HUNTSVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
21...	1430	1.50	1.10	<1	<1	15	--	--	<10
NOV									
24...	1425	1.20	1.00	<1	<1	<15	<1	--	10
DEC									
29...	1050	0.350	0.320	--	2	<15	1	--	10
JAN									
27...	1430	0.730	0.580	<1	1	<15	<1	--	10
FEB									
24...	1410	0.160	0.150	<1	1	<15	<1	--	20
MAR									
24...	1400	0.170	0.140	--	<1	<15	--	--	<10
APR									
21...	1030	0.600	0.490	--	--	--	<1	--	--
JUN									
23...	1450	0.960	0.670	--	4	<15	2	--	<10
JUL									
21...	1420	5.20	4.70	<1	2	<15	<1	<0.50	10
AUG									
18...	1440	5.20	--	<1	<1	<15	23	--	20
SEP									
22...	1340	2.20	1.70	<1	<1	<15	--	--	10

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
21...	1430	9827	9827	--	17.0	--	7.2	>7.2	60
NOV									
24...	1425	9827	9827	7.63	--	3.0	9.2	2.4	--
DEC									
29...	1050	9827	9827	7.85	5.0	1.5	12.1	1.2	<4
JAN									
27...	1430	9827	9827	7.82	7.0	6.0	9.9	6.9	<4
FEB									
24...	1410	9827	9827	7.85	7.0	5.5	11.1	1.4	<4
MAR									
24...	1400	9827	9827	7.78	10.0	15	9.6	3.4	4
APR									
21...	1030	9827	9827	7.77	17.0	4.9	--	4.8	48
JUN									
23...	1450	9827	9827	7.72	24.0	80	5.0	2.6	>6000
JUL									
21...	1420	9827	9827	7.84	27.0	4.5	5.6	12	52
AUG									
18...	1440	9827	9827	7.52	--	3.4	5.6	--	590
SEP									
22...	1340	9827	9827	7.49	30.0	50	5.0	--	40

WHITE RIVER BASIN

07048980 HOLMAN CREEK NEAR HUNTSVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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+N03 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									
21...	1430	100	--	36	210	--	2.50	7.50	1.0
NOV									
24...	1425	110	14	29	195	3	4.30	4.60	8.7
DEC									
29...	1050	98	17	12	204	1	1.80	0.170	<0.10
JAN									
27...	1430	82	11	17	134	7	1.60	--	6.8
FEB									
24...	1410	70	11	7.0	120	5	1.40	0.430	0.40
MAR									
24...	1400	54	8.0	7.5	82	9	0.850	0.800	0.70
APR									
21...	1030	80	10	8.5	118	5	0.820	--	6.7
JUN									
23...	1450	86	9.0	16	153	85	1.60	3.50	--
JUL									
21...	1420	94	18	82	295	7	2.00	--	26
AUG									
18...	1440	98	--	90	357	4	8.80	--	23
SEP									
22...	1340	120	22	43	--	5	6.00	8.00	7.3

DATE	TIME	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTH0, 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									
21...	1430	1.50	1.10	<1	<1	15	--	--	<10
NOV									
24...	1425	1.20	1.00	<1	<1	<15	<1	--	10
DEC									
29...	1050	0.350	0.320	--	2	<15	1	--	10
JAN									
27...	1430	0.730	0.580	<1	1	<15	<1	--	10
FEB									
24...	1410	0.160	0.150	<1	1	<15	<1	--	20
MAR									
24...	1400	0.170	0.140	--	<1	<15	--	--	<10
APR									
21...	1030	0.600	0.490	--	--	--	<1	--	--
JUN									
23...	1450	0.960	0.670	--	4	<15	2	--	<10
JUL									
21...	1420	5.20	4.70	<1	2	<15	<1	<0.50	10
AUG									
18...	1440	5.20	--	<1	<1	<15	23	--	20
SEP									
22...	1340	2.20	1.70	<1	<1	<15	--	--	10

07049690 BEAVER LAKE NEAR EUREKA SPRINGS, ARK.

LOCATION.--Lat 36°25'15", long 93°50'50", in NW ¼ NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
OCT									
09...	0900	80513	80020	0.0	131	8.10	22.0	8.4	6.30
09...	0902	80513	80020	10.0	131	8.20	22.0	8.3	--
09...	0904	80513	80020	20.0	132	8.20	22.0	8.3	--
09...	0906	80513	80020	30.0	132	8.20	22.5	8.2	--
09...	0908	80513	80020	40.0	132	8.20	22.5	8.2	--
09...	0910	80513	80020	46.0	134	7.60	22.0	5.5	--
09...	0912	80513	80020	47.0	136	7.20	20.0	2.5	--
09...	0914	80513	80020	49.0	136	7.10	18.5	2.0	--
09...	0916	80513	80020	50.0	135	7.00	18.0	2.0	--
09...	0918	80513	80020	53.0	133	7.00	17.0	1.2	--
09...	0920	80513	80020	56.0	132	7.00	16.0	1.2	--
09...	0922	80513	80020	60.0	133	7.00	15.5	1.3	--
09...	0924	80513	80020	65.0	134	7.00	14.5	1.2	--
09...	0926	80513	80020	70.0	132	7.00	14.0	1.5	--
09...	0928	80513	80020	80.0	130	7.00	12.5	1.8	--
09...	0930	80513	80020	90.0	130	7.00	11.5	2.8	--
09...	0932	80513	80020	100	127	7.00	10.5	3.6	--
09...	0934	80513	80020	110	126	7.10	10.0	4.1	--
09...	0936	80513	80020	120	124	7.10	9.5	4.4	--
09...	0938	80513	80020	130	124	7.10	9.0	4.3	--
09...	0940	80513	80020	140	124	7.10	9.0	3.7	--
09...	0942	80513	80020	150	124	7.00	8.5	3.1	--
09...	0944	80513	80020	160	124	7.00	8.0	1.8	--
09...	0946	80513	80020	170	129	7.00	8.0	0.8	--
09...	0948	80513	80020	180	133	7.00	8.0	0.3	--
09...	0950	80513	80020	190	133	7.00	8.0	0.2	--
09...	0952	80513	80020	196	136	7.00	7.5	0.2	--
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
NOV									
05...	1300	80513	80020	0.0	130	7.55	17.5	8.4	5.20
05...	1302	80513	80020	10.0	130	7.59	17.5	8.4	--
05...	1304	80513	80020	20.0	130	7.62	17.5	8.4	--
05...	1306	80513	80020	30.0	130	7.64	17.5	8.4	--
05...	1308	80513	80020	40.0	131	7.65	17.5	8.3	--
05...	1310	80513	80020	50.0	131	7.64	17.5	8.3	--
05...	1312	80513	80020	58.0	131	6.90	16.5	0.5	--
05...	1314	80513	80020	60.0	131	6.82	15.5	0.3	--
05...	1316	80513	80020	65.0	131	6.82	14.5	0.4	--
05...	1318	80513	80020	70.0	131	6.81	14.0	0.6	--
05...	1320	80513	80020	80.0	130	6.82	13.0	0.9	--
05...	1322	80513	80020	90.0	129	6.84	11.5	1.6	--
05...	1324	80513	80020	100	126	6.86	11.0	2.4	--
05...	1326	80513	80020	110	124	6.89	10.0	3.2	--
05...	1328	80513	80020	120	122	6.90	9.5	3.4	--
05...	1330	80513	80020	130	122	6.90	9.0	3.2	--
05...	1332	80513	80020	140	122	6.90	9.0	2.6	--
05...	1334	80513	80020	150	122	6.87	8.5	1.6	--
05...	1336	80513	80020	160	124	6.85	8.5	0.6	--
05...	1338	80513	80020	170	131	6.84	8.0	0.2	--
05...	1340	80513	80020	180	134	6.89	8.0	0.2	--
05...	1342	80513	80020	190	136	6.94	8.0	0.2	--
05...	1344	80513	80020	197	146	7.00	7.5	0.2	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
DEC											
04...	1230	80513	80020	0.0	131	7.72	12.0	8.8	5.60		
04...	1232	80513	80020	10.0	131	7.62	11.5	8.6	--		
04...	1234	80513	80020	20.0	131	7.56	11.5	8.5	--		
04...	1236	80513	80020	30.0	131	7.56	11.5	8.4	--		
04...	1238	80513	80020	40.0	131	7.55	11.5	8.4	--		
04...	1240	80513	80020	50.0	132	7.53	11.5	8.3	--		
04...	1242	80513	80020	60.0	132	7.52	11.5	8.3	--		
04...	1244	80513	80020	70.0	132	7.52	12.0	8.3	--		
04...	1246	80513	80020	80.0	132	7.52	12.0	8.3	--		
04...	1248	80513	80020	90.0	132	7.50	12.0	8.2	--		
04...	1250	80513	80020	100	132	7.36	11.5	8.6	--		
04...	1252	80513	80020	110	127	7.07	10.5	1.4	--		
04...	1254	80513	80020	120	127	6.99	10.0	1.4	--		
04...	1256	80513	80020	130	125	6.98	9.5	1.0	--		
04...	1258	80513	80020	140	125	6.92	9.0	0.2	--		
04...	1300	80513	80020	150	125	6.92	9.0	0.2	--		
04...	1302	80513	80020	160	130	6.95	8.5	0.2	--		
04...	1304	80513	80020	170	132	6.95	8.5	0.2	--		
04...	1306	80513	80020	180	143	7.00	8.0	0.2	--		
04...	1308	80513	80020	190	148	7.07	8.0	0.2	--		
04...	1310	80513	80020	195	148	7.11	8.0	0.2	--		
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
JAN											
13...	0915	80513	80020	0.0	129	7.14	8.0	9.0	3.00	0	--
13...	0916	80513	80020	3.00	129	7.14	8.0	8.9	--	--	--
13...	0918	80513	80020	10.0	129	7.25	8.0	8.9	--	--	--
13...	0920	80513	80020	20.0	129	7.30	8.0	8.7	--	--	--
13...	0922	80513	80020	25.0	129	7.32	8.0	8.6	--	--	6
13...	0924	80513	80020	30.0	130	7.34	8.0	8.6	--	--	--
13...	0926	80513	80020	40.0	130	7.34	8.0	8.4	--	--	--
13...	0928	80513	80020	50.0	130	7.35	8.0	8.4	--	--	--
13...	0930	80513	80020	60.0	130	7.35	8.0	8.3	--	--	--
13...	0932	80513	80020	70.0	130	7.31	8.0	8.1	--	--	--
13...	0934	80513	80020	80.0	131	7.30	8.0	8.0	--	--	--
13...	0936	80513	80020	90.0	130	7.30	8.0	8.0	--	--	--
13...	0938	80513	80020	100	131	7.33	8.0	8.0	--	--	4
13...	0940	80513	80020	110	131	7.35	8.0	8.1	--	--	--
13...	0942	80513	80020	120	131	7.34	8.0	8.1	--	--	--
13...	0944	80513	80020	130	131	7.33	8.0	8.0	--	--	--
13...	0946	80513	80020	140	132	7.33	8.0	7.9	--	--	--
13...	0948	80513	80020	150	130	7.35	8.0	8.2	--	--	--
13...	0950	80513	80020	160	130	7.36	8.0	8.4	--	--	--
13...	0952	80513	80020	170	132	7.36	8.0	7.8	--	--	--
13...	0954	80513	80020	180	135	7.26	8.0	5.3	--	--	--
13...	0956	80513	80020	190	149	7.12	8.0	0.8	--	--	--
DATE	TIME	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LITY 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)	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)
JAN											
13...	0916	--	--	--	--	0.300	0.010	<0.010	--	--	--
13...	0922	1.1	0.8	60	48	0.200	0.010	<0.010	<10	<1	<10
13...	0938	1.3	0.7	60	53	0.300	0.010	<0.010	<10	1	<10

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

		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)	PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
DATE	TIME									
JAN										
13...	0916	--	--	--	--	--	--	--	0.700	<0.100
13...	0922	4	50	<5	180	<0.10	1	<10	--	--
13...	0938	39	50	<5	230	<0.10	3	10	--	--
		AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	
DATE	TIME									
FEB										
04...	1425	80513	80020	0.0	126	7.60	7.0	10.4	3.50	
04...	1427	80513	80020	10.0	128	7.60	7.0	10.3	--	
04...	1429	80513	80020	20.0	128	7.60	7.0	10.3	--	
04...	1431	80513	80020	30.0	129	7.60	7.0	10.2	--	
04...	1433	80513	80020	40.0	129	7.63	7.0	10.1	--	
04...	1435	80513	80020	50.0	130	7.63	7.0	10.2	--	
04...	1437	80513	80020	60.0	130	7.62	7.0	10.2	--	
04...	1439	80513	80020	70.0	130	7.63	7.0	10.2	--	
04...	1441	80513	80020	80.0	131	7.63	7.0	10.2	--	
04...	1443	80513	80020	90.0	131	7.62	7.0	10.2	--	
04...	1445	80513	80020	100	131	7.63	7.0	10.1	--	
04...	1447	80513	80020	110	131	7.64	7.0	10.2	--	
04...	1449	80513	80020	120	131	7.62	7.0	10.2	--	
04...	1451	80513	80020	130	132	7.61	7.0	10.0	--	
04...	1453	80513	80020	140	133	7.60	7.0	10.0	--	
04...	1455	80513	80020	150	133	7.58	7.0	9.9	--	
04...	1457	80513	80020	160	133	7.57	6.5	10.0	--	
04...	1459	80513	80020	170	136	7.57	6.5	9.9	--	
04...	1501	80513	80020	180	136	7.57	6.5	9.9	--	
04...	1503	80513	80020	190	136	7.55	6.5	9.7	--	
04...	1505	80513	80020	192	138	7.55	6.5	9.6	--	
		AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	
DATE	TIME									
MAR										
11...	1400	80513	80020	0.0	128	7.90	8.5	11.8	3.50	
11...	1402	80513	80020	10.0	129	7.94	8.0	11.6	--	
11...	1404	80513	80020	20.0	130	7.98	8.0	11.6	--	
11...	1406	80513	80020	30.0	129	7.98	7.5	11.5	--	
11...	1408	80513	80020	40.0	129	7.93	7.5	11.4	--	
11...	1410	80513	80020	50.0	129	7.87	7.5	11.3	--	
11...	1412	80513	80020	60.0	129	7.81	7.0	11.0	--	
11...	1414	80513	80020	70.0	129	7.81	7.0	11.0	--	
11...	1416	80513	80020	80.0	129	7.77	7.0	10.8	--	
11...	1418	80513	80020	90.0	129	7.76	7.0	10.9	--	
11...	1420	80513	80020	100	129	7.74	7.0	10.9	--	
11...	1422	80513	80020	110	129	7.72	7.0	10.8	--	
11...	1424	80513	80020	120	129	7.74	7.0	10.8	--	
11...	1426	80513	80020	130	129	7.74	7.0	10.8	--	
11...	1428	80513	80020	140	130	7.72	7.0	10.8	--	
11...	1430	80513	80020	150	131	7.70	7.0	10.6	--	
11...	1432	80513	80020	160	127	7.59	7.0	9.9	--	
11...	1434	80513	80020	170	131	7.51	7.0	9.4	--	
11...	1436	80513	80020	180	131	7.45	7.0	8.9	--	
11...	1438	80513	80020	190	132	7.39	7.0	8.3	--	

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
APR									
15...	1230	80513	80020	0.0	133	8.05	11.5	10.8	3.60
15...	1232	80513	80020	10.0	134	8.04	11.5	10.8	--
15...	1234	80513	80020	20.0	134	8.01	11.5	10.8	--
15...	1236	80513	80020	30.0	133	8.02	11.5	10.8	--
15...	1238	80513	80020	40.0	133	8.00	11.5	10.7	--
15...	1240	80513	80020	50.0	135	7.99	11.5	10.7	--
15...	1242	80513	80020	51.0	135	7.88	10.5	10.4	--
15...	1244	80513	80020	52.0	135	7.78	9.5	10.7	--
15...	1246	80513	80020	60.0	135	7.72	9.0	10.4	--
15...	1248	80513	80020	70.0	135	7.68	9.0	10.4	--
15...	1250	80513	80020	80.0	135	7.66	8.5	10.3	--
15...	1252	80513	80020	90.0	138	7.64	8.5	10.3	--
15...	1254	80513	80020	100	134	7.62	8.5	10.1	--
15...	1256	80513	80020	110	134	7.55	8.0	10.0	--
15...	1258	80513	80020	120	132	7.52	8.0	9.8	--
15...	1300	80513	80020	130	135	7.47	7.5	9.6	--
15...	1302	80513	80020	140	135	7.42	7.5	9.4	--
15...	1304	80513	80020	150	135	7.40	7.0	9.3	--
15...	1306	80513	80020	160	136	7.37	7.0	9.0	--
15...	1308	80513	80020	170	136	7.35	7.0	8.8	--
15...	1310	80513	80020	180	133	7.32	7.0	8.7	--
15...	1312	80513	80020	190	136	7.30	7.0	8.6	--
15...	1314	80513	80020	199	137	7.28	7.0	8.5	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
MAY									
13...	0800	80513	80020	0.0	143	8.28	22.5	9.1	5.30
13...	0801	80513	80020	3.00	142	8.29	22.5	9.1	--
13...	0803	80513	80020	10.0	141	8.29	22.0	9.6	--
13...	0805	80513	80020	15.0	141	8.31	21.0	9.9	--
13...	0807	80513	80020	16.0	141	8.29	19.5	10.3	--
13...	0809	80513	80020	17.0	142	8.30	18.5	10.4	--
13...	0811	80513	80020	18.0	141	8.25	17.5	10.5	--
13...	0813	80513	80020	19.0	141	8.21	16.5	10.7	--
13...	0815	80513	80020	20.0	140	8.20	16.0	10.7	--
13...	0817	80513	80020	22.0	139	8.15	15.0	10.7	--
13...	0819	80513	80020	23.0	138	8.10	14.0	10.7	--
13...	0821	80513	80020	25.0	139	8.06	13.5	10.5	--
13...	0823	80513	80020	28.0	138	8.00	12.5	10.4	--
13...	0825	80513	80020	30.0	137	7.99	12.0	10.4	--
13...	0827	80513	80020	35.0	139	7.80	11.5	10.0	--
13...	0829	80513	80020	40.0	138	7.71	11.0	9.7	--
13...	0831	80513	80020	50.0	137	7.61	10.0	9.4	--
13...	0833	80513	80020	60.0	137	7.58	9.5	9.3	--
13...	0835	80513	80020	70.0	136	7.55	9.0	9.2	--
13...	0837	80513	80020	80.0	136	7.55	9.0	9.3	--
13...	0839	80513	80020	90.0	137	7.54	9.0	9.2	--
13...	0841	80513	80020	100	137	7.52	8.5	9.0	--
13...	0843	80513	80020	110	141	7.49	8.5	9.0	--
13...	0845	80513	80020	120	149	7.63	8.0	8.8	--
13...	0847	80513	80020	130	136	7.49	7.5	8.6	--
13...	0849	80513	80020	140	141	7.41	7.5	8.3	--
13...	0851	80513	80020	150	141	7.37	7.5	8.1	--
13...	0853	80513	80020	160	140	7.35	7.5	7.9	--
13...	0855	80513	80020	170	139	7.34	7.5	7.8	--
13...	0857	80513	80020	180	142	7.33	7.5	7.9	--
13...	0859	80513	80020	190	142	7.32	7.0	7.8	--
13...	0901	80513	80020	194	142	7.31	7.0	7.7	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)
MAY									
13...	0800	0	--	--	--	--	--	--	--
13...	0821	--	4	0.80	2.9	63	22	2.0	62
13...	0841	--	6	0.60	1.1	60	21	1.9	60

DATE	TIME	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTH0, 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)
MAY									
13...	0801	0.100	0.010	<0.010	--	--	--	--	--
13...	0821	0.200	<0.010	<0.010	<10	<1	<10	2	<10
13...	0841	0.300	0.020	<0.010	<10	<1	<10	3	<10

DATE	TIME	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
MAY								
13...	0801	--	--	--	--	--	<0.100	<0.100
13...	0821	<5	<10	<0.10	2	<10	--	--
13...	0841	<5	<10	<0.10	1	<10	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)
------	------	--	---	---	--	---	---

JUN							
10.	1030	80513	80020	0.0	141	8.64	26.5
10.	1031	80513	80020	3.00	144	8.62	26.5
10.	1033	80513	80020	10.0	145	8.60	26.5
10.	1035	80513	80020	15.0	144	8.61	25.5
10.	1037	80513	80020	20.0	144	8.59	24.5
10.	1039	80513	80020	22.0	143	8.56	23.5
10.	1041	80513	80020	23.0	144	8.55	22.0
10.	1043	80513	80020	24.0	142	8.50	21.0
10.	1045	80513	80020	25.0	141	8.53	19.0
10.	1047	80513	80020	26.0	142	8.45	17.5
10.	1049	80513	80020	27.0	140	8.39	16.5
10.	1051	80513	80020	28.0	140	8.33	16.0
10.	1053	80513	80020	29.0	139	8.26	15.0
10.	1055	80513	80020	30.0	138	8.22	14.5
10.	1057	80513	80020	33.0	138	8.17	13.5
10.	1059	80513	80020	36.0	138	8.04	12.5
10.	1101	80513	80020	40.0	136	7.92	12.0
10.	1103	80513	80020	50.0	137	7.74	11.0
10.	1105	80513	80020	60.0	136	7.65	10.0
10.	1107	80513	80020	70.0	136	7.64	9.5
10.	1109	80513	80020	80.0	138	7.61	9.5
10.	1111	80513	80020	90.0	138	7.60	9.0
10.	1113	80513	80020	100	137	7.58	9.0
10.	1115	80513	80020	110	138	7.56	8.5
10.	1117	80513	80020	120	138	7.51	8.0
10.	1119	80513	80020	130	141	7.48	8.0
10.	1121	80513	80020	140	143	7.45	8.0
10.	1123	80513	80020	150	143	7.41	7.5
10.	1125	80513	80020	160	143	7.39	7.5
10.	1127	80513	80020	170	143	7.38	7.5
10.	1129	80513	80020	180	143	7.36	7.5
10.	1131	80513	80020	190	146	7.34	7.5
10.	1133	80513	80020	192	144	7.32	7.5

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	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						
10.	1030	8.9	7.90	--	--	--
10.	1031	8.8	--	0.100	0.030	<0.010
10.	1033	8.8	--	--	--	--
10.	1035	9.0	--	--	--	--
10.	1037	9.4	--	--	--	--
10.	1039	9.7	--	--	--	--
10.	1041	10.6	--	--	--	--
10.	1043	11.0	--	--	--	--
10.	1045	11.6	--	--	--	--
10.	1047	11.6	--	--	--	--
10.	1049	11.6	--	--	--	--
10.	1051	11.5	--	--	--	--
10.	1053	11.5	--	--	--	--
10.	1055	11.6	--	--	--	--
10.	1057	11.3	--	--	--	--
10.	1059	11.8	--	--	--	--
10.	1101	11.5	--	--	--	--
10.	1103	9.7	--	--	--	--
10.	1105	9.4	--	--	--	--
10.	1107	9.2	--	--	--	--
10.	1109	9.1	--	--	--	--
10.	1111	9.1	--	--	--	--
10.	1113	9.0	--	--	--	--
10.	1115	9.0	--	--	--	--
10.	1117	8.5	--	--	--	--
10.	1119	8.2	--	--	--	--
10.	1121	8.0	--	--	--	--
10.	1123	7.6	--	--	--	--
10.	1125	7.4	--	--	--	--
10.	1127	7.2	--	--	--	--
10.	1129	7.1	--	--	--	--
10.	1131	6.8	--	--	--	--
10.	1133	6.5	--	--	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL								
15...	1415	80513	80020	0.0	143	8.68	27.5	7.9
15...	1416	80513	80020	3.00	143	8.64	27.5	7.9
15...	1418	80513	80020	10.0	143	8.59	27.5	7.9
15...	1420	80513	80020	20.0	143	8.53	27.0	7.9
15...	1422	80513	80020	26.0	143	8.54	27.0	7.8
15...	1424	80513	80020	27.0	144	8.26	25.0	8.4
15...	1426	80513	80020	28.0	145	8.26	23.0	9.3
15...	1428	80513	80020	29.0	140	8.44	21.5	10.6
15...	1430	80513	80020	30.0	141	8.47	20.0	11.4
15...	1432	80513	80020	31.0	139	8.49	18.5	11.7
15...	1434	80513	80020	32.0	137	8.47	18.0	11.4
15...	1436	80513	80020	33.0	137	8.42	16.5	11.4
15...	1438	80513	80020	34.0	137	8.32	15.5	11.2
15...	1440	80513	80020	35.0	137	8.25	14.5	11.0
15...	1442	80513	80020	37.0	137	8.14	13.5	10.7
15...	1444	80513	80020	40.0	137	8.00	13.0	10.2
15...	1446	80513	80020	44.0	137	7.80	12.0	9.5
15...	1448	80513	80020	50.0	135	7.67	11.0	8.6
15...	1450	80513	80020	60.0	136	7.55	10.5	8.1
15...	1452	80513	80020	70.0	136	7.47	9.5	7.8
15...	1454	80513	80020	80.0	136	7.43	9.5	7.7
15...	1456	80513	80020	90.0	137	7.42	9.0	7.7
15...	1458	80513	80020	100	137	7.40	9.0	7.7
15...	1500	80513	80020	110	138	7.39	8.5	7.6
15...	1502	80513	80020	120	140	7.37	8.5	7.4
15...	1504	80513	80020	130	139	7.35	8.0	7.0
15...	1506	80513	80020	140	141	7.32	8.0	6.6
15...	1508	80513	80020	150	143	7.29	8.0	6.3
15...	1510	80513	80020	160	143	7.27	7.5	5.7
15...	1512	80513	80020	170	145	7.25	7.5	5.6
15...	1514	80513	80020	180	145	7.22	7.5	5.2
15...	1516	80513	80020	190	145	7.21	7.5	4.9

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

		TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	NITRO- GEN, NO2+N03 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...	1415	5.80	--	--	--	--				
	15...	1416	--	<0.100	0.070	<0.010	0.600	<0.100			
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
AUG											
19...	0900	80513	80020	0.0	145	8.20	29.0	8.1	3.20	0	--
19...	0901	80513	80020	3.00	145	8.24	29.0	8.0	--	--	--
19...	0903	80513	80020	10.0	144	8.26	29.0	7.8	--	--	--
19...	0905	80513	80020	20.0	145	8.27	29.0	7.8	--	--	--
19...	0907	80513	80020	25.0	145	8.27	29.0	7.8	--	--	1
19...	0909	80513	80020	26.0	145	8.15	27.5	8.1	--	--	--
19...	0911	80513	80020	28.0	144	8.19	26.5	8.7	--	--	--
19...	0913	80513	80020	29.0	143	8.11	25.0	9.3	--	--	--
19...	0915	80513	80020	30.0	142	8.09	24.0	9.8	--	--	--
19...	0917	80513	80020	31.0	141	8.06	22.0	10.2	--	--	--
19...	0919	80513	80020	32.0	141	7.91	20.0	10.2	--	--	--
19...	0921	80513	80020	33.0	141	7.86	20.0	10.4	--	--	--
19...	0923	80513	80020	35.0	140	7.81	18.5	10.3	--	--	--
19...	0925	80513	80020	36.0	139	7.76	17.5	10.2	--	--	--
19...	0927	80513	80020	37.0	140	7.77	16.5	10.3	--	--	--
19...	0929	80513	80020	38.0	139	7.79	16.0	10.2	--	--	--
19...	0931	80513	80020	40.0	139	7.80	15.0	10.1	--	--	--
19...	0933	80513	80020	41.0	138	7.75	14.0	9.9	--	--	--
19...	0935	80513	80020	42.0	136	7.72	13.5	9.7	--	--	--
19...	0937	80513	80020	45.0	136	7.70	12.5	9.4	--	--	--
19...	0939	80513	80020	48.0	136	7.60	11.5	8.7	--	--	--
19...	0941	80513	80020	50.0	136	7.56	11.5	8.6	--	--	--
19...	0943	80513	80020	60.0	138	7.46	10.5	7.5	--	--	--
19...	0945	80513	80020	70.0	137	7.39	10.0	6.8	--	--	--
19...	0947	80513	80020	80.0	136	7.36	9.5	6.7	--	--	--
19...	0949	80513	80020	90.0	136	7.32	9.0	6.7	--	--	--
19...	0951	80513	80020	100	135	7.31	9.0	6.7	--	--	2
19...	0953	80513	80020	110	135	7.31	8.5	6.8	--	--	--
19...	0955	80513	80020	120	136	7.29	8.5	6.6	--	--	--
19...	0957	80513	80020	130	136	7.26	8.0	6.2	--	--	--
19...	0959	80513	80020	140	138	7.23	8.0	5.8	--	--	--
19...	1001	80513	80020	150	139	7.20	8.0	5.2	--	--	--
19...	1003	80513	80020	160	141	7.18	7.5	4.8	--	--	--
19...	1005	80513	80020	170	142	7.15	7.5	4.2	--	--	--
19...	1007	80513	80020	180	142	7.13	7.5	3.5	--	--	--
19...	1009	80513	80020	190	140	7.08	7.5	2.5	--	--	--
DATE	TIME	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	NITRO- GEN, NO2+N03 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)	
AUG											
19...	0901	--	--	--	<0.100	0.020	0.010	--	--	--	
19...	0907	0.40	0.8	62	<0.100	0.010	0.010	<10	<1	70	
19...	0951	0.20	0.6	58	0.300	0.010	<0.010	<10	<1	10	

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

		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)	
DATE	TIME										
AUG											
19...	0901	--	--	--	--	--	--	--	1.90	<0.100	
19...	0907	1	<10	<5	20	<0.10	<1	<10	--	--	
19...	0951	1	<10	<5	10	<0.10	1	<10	--	--	
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	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											
03...	1415	80513	80020	0.0	144	8.45	27.5	7.9	4.90	--	--
03...	1416	80513	80020	3.00	143	8.46	27.5	7.9	--	1.70	<0.100
03...	1418	80513	80020	10.0	144	8.50	26.5	8.0	--	--	--
03...	1420	80513	80020	20.0	143	8.51	26.5	8.0	--	--	--
03...	1422	80513	80020	28.0	143	8.50	25.5	7.9	--	--	--
03...	1424	80513	80020	29.0	143	8.35	25.0	8.4	--	--	--
03...	1426	80513	80020	30.0	142	8.19	24.0	8.7	--	--	--
03...	1428	80513	80020	31.0	142	8.02	22.0	9.4	--	--	--
03...	1430	80513	80020	32.0	142	7.94	20.5	9.2	--	--	--
03...	1432	80513	80020	33.0	141	7.83	19.5	8.8	--	--	--
03...	1434	80513	80020	34.0	140	7.76	18.5	8.8	--	--	--
03...	1436	80513	80020	36.0	140	7.69	17.5	8.9	--	--	--
03...	1438	80513	80020	37.0	139	7.65	17.0	8.9	--	--	--
03...	1440	80513	80020	38.0	139	7.64	16.0	8.9	--	--	--
03...	1442	80513	80020	39.0	140	7.63	15.0	9.0	--	--	--
03...	1444	80513	80020	40.0	138	7.59	14.0	8.8	--	--	--
03...	1446	80513	80020	42.0	137	7.56	13.5	8.8	--	--	--
03...	1448	80513	80020	46.0	139	7.48	12.5	8.1	--	--	--
03...	1450	80513	80020	50.0	138	7.46	12.0	7.8	--	--	--
03...	1452	80513	80020	55.0	139	7.35	11.0	7.0	--	--	--
03...	1454	80513	80020	60.0	137	7.31	11.0	6.7	--	--	--
03...	1456	80513	80020	70.0	137	7.26	10.0	6.3	--	--	--
03...	1458	80513	80020	80.0	138	7.24	9.5	6.1	--	--	--
03...	1500	80513	80020	90.0	137	7.22	9.5	6.3	--	--	--
03...	1502	80513	80020	100	138	7.21	9.0	6.0	--	--	--
03...	1504	80513	80020	110	137	7.20	9.0	6.2	--	--	--
03...	1506	80513	80020	120	140	7.18	8.5	5.8	--	--	--
03...	1508	80513	80020	130	140	7.15	8.5	5.3	--	--	--
03...	1510	80513	80020	140	141	7.13	8.0	5.0	--	--	--
03...	1512	80513	80020	150	143	7.11	8.0	4.6	--	--	--
03...	1514	80513	80020	160	144	7.10	8.0	4.1	--	--	--
03...	1516	80513	80020	170	145	7.05	8.0	3.3	--	--	--
03...	1518	80513	80020	180	145	7.04	7.5	3.0	--	--	--
03...	1520	80513	80020	188	148	7.00	7.5	1.9	--	--	--

WHITE RIVER BASIN

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

LOCATION.--Lat 36°25'15", long 93°50'50", in NW ¼ NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)
OCT										
09...	0830	80513	80020	137	7.40	10.5	7.1	--	--	--
NOV										
05...	1240	80513	80020	123	6.96	10.0	3.6	--	--	--
DEC										
04...	1330	80513	80020	137	7.16	11.0	7.0	--	--	--
JAN										
13...	0845	80513	80020	132	7.69	8.0	9.1	16	3	4.0
FEB										
04...	1400	80513	80020	132	7.81	7.5	9.8	--	--	--
MAR										
11...	1330	80513	80020	130	7.82	7.5	11.5	--	--	--
APR										
15...	1330	80513	80020	132	7.49	8.5	10.3	--	--	--
MAY										
13...	0915	80513	80020	139	8.02	11.0	12.6	1	4	1.0
JUN										
10...	1145	80513	80020	141	7.71	10.0	10.0	--	--	--
JUL										
15...	1530	80513	80020	139	7.74	16.0	10.7	--	--	--
AUG										
19...	1020	80513	80020	130	8.05	11.5	10.2	43	1	0.60
SEP										
03...	1400	80513	80020	160	7.73	17.0	7.5	--	--	--

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	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, ORTH0, TOTAL (MG/L AS P) (70507)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)
JAN										
13...	0845	1.0	56	--	--	53	--	--	--	180
MAY										
13...	0915	1.4	65	22	2.5	54	0.200	0.010	0.020	30
AUG										
19...	1020	0.7	66	23	2.2	106	0.400	0.010	<0.010	100

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)
JAN										
13...	0845	<1	<10	4	350	<5	440	<0.10	2	<10
MAY										
13...	0915	<1	<10	2	20	<5	10	<0.10	<1	<10
AUG										
19...	1020	<1	--	2	160	<5	160	<0.10	1	10

WHITE RIVER BASIN

07050390 OSAGE CREEK SOUTHWEST OF BERRYVILLE, ARK.

LOCATION.--Lat 36°20'56", long 93°35'24", in SE ¼ SW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, O.45 UM-MF (COLS./ 100 ML) (31616)
OCT									
21...	1100	9827	9827	--	16.0	--	8.5	1.3	92
DEC									
29...	1210	9827	9827	8.14	5.0	1.5	12.1	1.8	20
JAN									
27...	1055	9827	9827	8.17	4.0	3.5	13.2	1.7	<4
FEB									
24...	1045	9827	9827	8.10	8.0	5.5	11.4	1.2	48
MAR									
24...	1035	9827	9827	7.86	10.0	55	9.8	4.2	>600
APR									
21...	1150	9827	9827	8.30	20.0	2.9	2.0	2.7	110
MAY									
26...	1030	9827	9827	7.81	23.0	20	7.8	4.1	3200
JUN									
23...	1135	9827	9827	8.00	25.0	8.0	5.9	2.9	600
JUL									
21...	1035	9827	9827	8.24	28.0	6.5	8.8	5.8	44
AUG									
18...	1050	9827	9827	7.89	28.0	6.4	6.7	--	20
SEP									
22...	1030	9827	9827	8.13	19.0	5.0	8.3	--	72
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+N03 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									
21...	1100	190	--	8.0	221	5	1.20	0.030	0.30
DEC									
29...	1210	160	8.0	4.5	181	1	0.710	0.100	<0.10
JAN									
27...	1055	140	6.0	4.0	150	3	1.10	--	<0.10
FEB									
24...	1045	110	7.0	4.0	141	1	1.30	0.040	0.30
MAR									
24...	1035	64	6.0	3.5	99	75	0.470	0.060	0.60
APR									
21...	1150	120	4.0	2.5	123	6	0.310	--	<0.10
MAY									
26...	1030	110	3.0	4.0	135	31	0.440	0.090	0.10
JUN									
23...	1135	140	3.0	4.0	158	21	0.380	0.030	0.70
JUL									
21...	1035	160	3.0	4.5	172	13	0.040	--	0.80
AUG									
18...	1050	180	--	6.0	209	11	0.120	--	0.70
SEP									
22...	1030	150	5.0	4.0	--	8	0.120	<0.010	0.10

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
21...	1100	0.030	0.020	<1	<1	<15	--	--	<10
DEC									
29...	1210	<0.010	0.010	--	2	21	1	--	30
JAN									
27...	1055	0.010	0.060	13	1	<15	<1	--	20
FEB									
24...	1045	0.010	0.060	<1	<1	<15	<1	--	10
MAR									
24...	1035	0.140	0.050	--	<1	<15	--	--	20
APR									
21...	1150	0.020	0.010	--	--	--	<1	--	--
MAY									
26...	1030	0.080	0.030	<1	--	<15	1	--	<10
JUN									
23...	1135	0.060	<0.010	--	3	<15	<1	--	10
JUL									
21...	1035	0.090	0.020	<1	2	<15	1	<0.50	10
AUG									
18...	1050	0.070	--	<1	1	<15	1	--	10
SEP									
22...	1030	0.040	<0.010	<1	<1	<15	--	--	10

WHITE RIVER BASIN

07050420 OSAGE CREEK WEST OF BERRYVILLE, ARK.

LOCATION.--Lat 36°21'50", long 93°36'26", in SE ¼ SW ¼ sec.26, T.20 N., R.25 W., Carroll County, Hydrologic Unit 11010001, at north end of spur road off Highway 221, and 0.6 mi southwest of waterworks.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
21...	1115	9827	9827	--	15.0	--	7.6	>7.6	880
NOV									
24...	1100	9827	9827	8.06	8.0	2.0	10.8	1.5	--
DEC									
29...	1225	9827	9827	8.26	5.0	1.5	13.0	1.3	8
JAN									
27...	1110	9827	9827	8.13	5.0	3.0	12.9	0.5	<4
FEB									
24...	1100	9827	9827	8.11	8.0	5.5	11.5	0.7	80
MAR									
24...	1055	9827	9827	7.89	11.0	60	9.8	2.2	>6000
APR									
21...	1210	9827	9827	8.24	19.0	3.3	--	2.8	80
MAY									
26...	1045	9827	9827	7.84	22.0	25	7.5	2.3	610
JUL									
21...	1050	9827	9827	8.54	28.0	5.0	8.2	5.1	52
AUG									
18...	1105	9827	9827	8.30	28.0	2.8	15.0	--	12
SEP									
22...	1045	9827	9827	8.44	18.0	4.5	11.1	2.7	24
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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
21...	1115	200	--	13	259	6	1.90	1.40	0.20
NOV									
24...	1100	190	8.0	7.5	216	<1	1.50	0.230	2.9
DEC									
29...	1225	170	10	7.0	187	3	1.20	0.150	<0.10
JAN									
27...	1110	150	7.0	6.0	163	3	1.30	--	0.20
FEB									
24...	1100	120	8.0	5.0	144	3	1.40	0.100	<0.10
MAR									
24...	1055	76	6.0	5.0	101	90	0.530	0.050	0.50
APR									
21...	1210	130	6.0	4.0	138	4	0.520	--	<0.10
MAY									
26...	1045	130	4.0	5.0	144	51	0.570	0.090	0.20
JUL									
21...	1050	170	28	19	250	13	0.170	--	1.1
AUG									
18...	1105	190	--	110	600	7	3.80	--	2.6
SEP									
22...	1045	150	17	14	--	11	0.180	<0.010	0.90

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT									
21...	1115	1.00	0.730	<1	<1	<15	--	--	<10
NOV									
24...	1100	0.330	0.280	<1	1	<15	<1	--	<10
DEC									
29...	1225	0.110	0.090	--	2	<15	1	--	<10
JAN									
27...	1110	0.050	0.080	<1	1	<15	<1	--	10
FEB									
24...	1100	0.030	0.050	<1	1	<15	<1	--	10
MAR									
24...	1055	0.170	0.050	--	<1	<15	--	--	<10
APR									
21...	1210	0.040	0.020	--	--	--	<1	--	--
MAY									
26...	1045	0.130	0.060	<1	--	<15	2	--	<10
JUL									
21...	1050	0.300	0.180	<1	2	<15	3	<0.50	10
AUG									
18...	1105	0.460	--	<1	1	<15	3	--	10
SEP									
22...	1045	0.180	0.090	<1	<1	23	--	--	<10

WHITE RIVER BASIN

07050500 KINGS RIVER NEAR BERRYVILLE, ARK.

LOCATION.--Lat 36°25'36", long 93°37'15", in SE ¼ NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT 21.	1025	9827	9827	--	17.0	--	10.1	0.5	64
NOV 24.	1015	9827	9827	8.44	9.0	2.0	13.4	0.6	--
DEC 29.	1115	9827	9827	8.54	5.0	1.0	14.2	0.8	<4
JAN 27.	1025	9827	9827	8.13	5.0	2.0	12.7	0.5	10
FEB 24.	1015	9827	9827	8.17	7.0	4.0	11.3	1.0	26
MAR 24.	1005	9827	9827	8.06	11.0	30	9.7	2.2	>6000
APR 21.	1120	9827	9827	8.23	19.0	1.8	--	0.9	40
MAY 26.	1000	9827	9827	7.73	23.0	5.5	7.8	1.1	110
JUN 23.	1105	9827	9827	7.92	25.0	4.0	6.9	1.9	90
JUL 21.	1000	9827	9827	8.25	28.0	5.2	7.8	1.2	10
AUG 18.	1015	9827	9827	7.78	28.0	2.6	7.2	--	16
SEP 22.	1000	9827	9827	8.18	19.0	2.5	8.5	1.0	4

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- PENDE (MG/L) (00530)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT 21.	1025	150	--	5.0	178	4	0.730	0.020	0.060
NOV 24.	1015	150	6.0	5.0	174	2	0.710	0.020	0.050
DEC 29.	1115	160	7.0	4.5	156	0	0.490	0.040	0.030
JAN 27.	1025	130	6.0	3.5	144	0	0.930	--	0.020
FEB 24.	1015	110	6.0	3.5	137	1	0.870	0.030	0.020
MAR 24.	1005	110	6.0	4.5	110	91	0.690	0.040	0.150
APR 21.	1120	110	5.0	2.5	119	2	0.240	--	0.010
MAY 26.	1000	130	8.0	6.5	160	7	0.730	0.010	0.090
JUN 23.	1105	120	6.0	5.0	148	10	0.330	<0.010	0.090
JUL 21.	1000	140	8.0	7.0	169	10	0.030	--	0.080
AUG 18.	1015	140	--	7.5	181	<1	0.150	--	0.050
SEP 22.	1000	130	7.0	5.5	--	5	0.090	0.010	0.030

WHITE RIVER BASIN

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07050500 KINGS RIVER NEAR BERRYVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
21.	1025	0.140	<1	<1	<15	--	--	<10
NOV								
24.	1015	0.030	<1	14	<15	<1	--	10
DEC								
29.	1115	0.020	--	2	62	1	--	80
JAN								
27.	1025	0.340	<1	1	<15	<1	--	60
FEB								
24.	1015	0.020	<1	<1	<15	<1	--	<10
MAR								
24.	1005	0.050	--	<1	<15	--	--	10
APR								
21.	1120	<0.010	--	--	--	<1	--	--
MAY								
26.	1000	0.070	<1	--	<15	2	--	<10
JUN								
23.	1105	0.020	--	10	15	<1	--	20
JUL								
21.	1000	0.060	<1	2	21	1	<0.50	<10
AUG								
18.	1015	--	<1	1	<15	2	--	<10
SEP								
22.	1000	0.010	<1	<1	<15	--	--	<10

WHITE RIVER BASIN

07053230 LONG CREEK NEAR DENVER, ARK.

LOCATION.--Lat 36°25'46", long 93°18'22", in SE ¼ SW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
21.	1200	9827	9827	--	16.0	--	11.0	1.1	52
NOV									
24.	1145	9827	9827	8.26	10.0	2.0	13.4	0.7	--
DEC									
29.	1320	9827	9827	8.33	8.0	1.0	14.4	0.5	10
JAN									
27.	1155	9827	9827	8.11	7.0	2.5	12.6	0.3	4
FEB									
24.	1150	9827	9827	8.05	10.0	6.0	10.9	0.3	56
MAR									
24.	1145	9827	9827	7.88	12.0	35	9.7	1.7	>6000
APR									
21.	1300	9827	9827	8.34	18.0	1.7	--	1.3	68
MAY									
26.	1130	9827	9827	7.98	23.0	9.0	8.5	1.0	170
JUN									
23.	1225	9827	9827	8.14	24.0	5.0	7.3	0.7	110
JUL									
21.	1150	9827	9827	8.21	26.0	2.8	9.0	1.0	60
AUG									
18.	1145	9827	9827	7.88	--	2.4	7.5	--	52
SEP									
22.	2400	9827	9827	8.14	18.0	3.0	9.3	2.1	110

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)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
21.	1200	170	--	8.5	215	2	1.60	0.070	0.040
NOV									
24.	1145	170	9.0	8.5	209	2	2.00	0.050	0.050
DEC									
29.	1320	160	13	8.5	204	1	1.80	0.010	0.010
JAN									
27.	1155	150	8.0	5.0	178	3	1.70	--	0.050
FEB									
24.	1150	140	8.0	5.5	182	9	1.90	0.040	0.050
MAR									
24.	1145	80	7.0	4.0	113	51	0.960	0.080	0.140
APR									
21.	1300	130	8.0	4.5	157	1	1.00	--	0.030
MAY									
26.	1130	150	5.0	7.0	194	18	1.00	0.090	0.050
JUN									
23.	1225	150	5.0	7.0	189	4	1.10	<0.010	0.050
JUL									
21.	1150	150	8.0	10	191	4	0.790	--	0.070
AUG									
18.	1145	150	--	11	213	5	0.760	--	0.040
SEP									
22.	2400	160	9.0	9.0	--	3	1.10	0.030	0.030

WHITE RIVER BASIN

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07053230 LONG CREEK NEAR DENVER, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
21.	1200	0.050	<1	<1	<15	--	--	<10
NOV								
24.	1145	0.020	<1	<1	<15	<1	--	<10
DEC								
29.	1320	<0.010	--	2	<15	<1	--	<10
JAN								
27.	1155	0.060	<1	1	<15	<1	--	<10
FEB								
24.	1150	0.050	<1	<1	<15	<1	--	<10
MAR								
24.	1145	0.070	--	<1	<15	--	--	<10
APR								
21.	1300	0.010	--	--	--	<1	--	--
MAY								
26.	1130	0.030	<1	--	<15	1	--	<10
JUN								
23.	1225	0.010	--	1	<15	<1	--	<10
JUL								
21.	1150	0.040	<1	1	<15	21	<0.50	10
AUG								
18.	1145	--	<1	<1	<15	2	--	10
SEP								
22.	2400	0.020	<1	<1	<15	--	--	<10

WHITE RIVER BASIN

07053400 TABLE ROCK LAKE NEAR BRANSON, MO.

LOCATION.--Lat 36°35'46", long 93°18'35", in NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
OCT									
08...	1230	80513	80020	0.0	198	8.40	22.5	7.5	4.00
08...	1232	80513	80020	10.0	198	8.40	22.5	7.4	--
08...	1234	80513	80020	20.0	198	8.40	22.5	7.3	--
08...	1236	80513	80020	30.0	198	8.40	22.5	7.3	--
08...	1238	80513	80020	40.0	199	8.40	22.5	7.3	--
08...	1240	80513	80020	44.0	221	7.50	21.5	0.8	--
08...	1242	80513	80020	48.0	228	7.50	20.5	0.1	--
08...	1244	80513	80020	50.0	231	7.50	19.5	0.1	--
08...	1246	80513	80020	53.0	231	7.40	18.5	0.1	--
08...	1248	80513	80020	56.0	231	7.40	17.5	0.1	--
08...	1250	80513	80020	60.0	224	7.40	16.5	0.1	--
08...	1252	80513	80020	65.0	210	7.30	15.5	0.1	--
08...	1254	80513	80020	70.0	207	7.30	15.5	0.1	--
08...	1256	80513	80020	80.0	200	7.20	15.0	0.1	--
08...	1258	80513	80020	90.0	192	7.20	14.0	0.2	--
08...	1300	80513	80020	100	183	7.20	13.0	1.0	--
08...	1302	80513	80020	110	175	7.20	12.5	1.7	--
08...	1304	80513	80020	120	174	7.20	12.0	2.0	--
08...	1306	80513	80020	130	180	7.20	11.5	1.9	--
08...	1308	80513	80020	140	208	7.20	11.0	1.2	--
08...	1310	80513	80020	150	210	7.20	10.0	0.2	--
08...	1312	80513	80020	160	222	7.20	9.5	0.1	--
08...	1314	80513	80020	170	230	7.30	9.0	0.2	--
08...	1316	80513	80020	180	235	7.30	8.5	0.2	--
08...	1318	80513	80020	182	238	7.30	8.5	0.2	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
OCT									
21...	1320	80513	80020	0.0	204	8.40	20.5	8.7	3.30
21...	1322	80513	80020	10.0	204	8.40	20.0	8.7	--
21...	1324	80513	80020	20.0	204	8.30	20.0	8.3	--
21...	1326	80513	80020	30.0	203	8.20	19.5	7.4	--
21...	1328	80513	80020	40.0	203	8.10	19.5	7.0	--
21...	1330	80513	80020	50.0	203	8.00	19.5	6.4	--
21...	1332	80513	80020	53.0	214	7.60	18.5	1.0	--
21...	1334	80513	80020	55.0	214	7.40	18.0	0.2	--
21...	1336	80513	80020	58.0	206	7.30	18.0	0.2	--
21...	1338	80513	80020	60.0	206	7.30	17.0	0.1	--
21...	1340	80513	80020	67.0	195	7.30	16.0	0.1	--
21...	1342	80513	80020	70.0	195	7.20	15.5	0.1	--
21...	1344	80513	80020	80.0	191	7.20	14.5	0.1	--
21...	1346	80513	80020	90.0	183	7.20	14.0	0.1	--
21...	1348	80513	80020	100	181	7.20	13.0	0.4	--
21...	1350	80513	80020	110	172	7.20	12.5	1.1	--
21...	1352	80513	80020	120	176	7.20	12.0	1.4	--
21...	1354	80513	80020	130	180	7.20	11.5	1.4	--
21...	1356	80513	80020	140	192	7.20	10.5	0.3	--
21...	1358	80513	80020	150	204	7.20	10.0	0.2	--
21...	1400	80513	80020	160	215	7.20	9.5	0.2	--
21...	1402	80513	80020	170	220	7.20	9.0	0.2	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
NOV									
05...	0940	80513	80020	0.0	204	8.01	17.5	8.2	3.70
05...	0942	80513	80020	10.0	204	8.00	17.5	8.1	--
05...	0944	80513	80020	20.0	204	8.00	17.5	8.1	--
05...	0946	80513	80020	30.0	204	8.00	17.5	8.1	--
05...	0948	80513	80020	40.0	204	8.00	17.5	8.0	--
05...	0950	80513	80020	50.0	205	7.99	17.5	8.0	--
05...	0952	80513	80020	60.0	205	7.99	17.5	7.9	--
05...	0954	80513	80020	63.0	212	7.34	16.5	0.8	--
05...	0956	80513	80020	67.0	207	7.24	15.5	0.2	--
05...	0958	80513	80020	70.0	201	7.20	15.5	0.2	--
05...	1000	80513	80020	80.0	185	7.08	15.0	0.2	--
05...	1002	80513	80020	90.0	183	7.04	14.0	0.2	--
05...	1004	80513	80020	100	185	7.05	13.5	0.2	--
05...	1006	80513	80020	110	176	7.02	13.0	0.4	--
05...	1008	80513	80020	120	176	7.02	12.0	0.9	--
05...	1010	80513	80020	130	182	7.02	11.5	0.6	--
05...	1012	80513	80020	140	195	7.04	11.0	0.2	--
05...	1014	80513	80020	150	209	7.07	10.5	0.2	--
05...	1016	80513	80020	160	217	7.11	10.0	0.2	--
05...	1018	80513	80020	170	228	7.14	9.0	0.2	--
05...	1020	80513	80020	180	232	7.16	9.0	0.2	--
05...	1022	80513	80020	184	236	7.18	8.5	0.2	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
NOV									
19...	0815	80513	80020	0.0	202	7.82	13.5	7.5	3.50
19...	0817	80513	80020	10.0	203	7.81	13.5	7.2	--
19...	0819	80513	80020	20.0	203	7.79	14.0	7.1	--
19...	0821	80513	80020	30.0	204	7.79	14.0	7.0	--
19...	0823	80513	80020	40.0	204	7.78	14.0	7.0	--
19...	0825	80513	80020	50.0	204	7.76	14.0	7.0	--
19...	0827	80513	80020	60.0	204	7.74	14.0	7.0	--
19...	0829	80513	80020	70.0	204	7.73	14.0	6.9	--
19...	0831	80513	80020	80.0	204	7.71	14.0	6.9	--
19...	0833	80513	80020	90.0	205	7.71	14.0	6.8	--
19...	0835	80513	80020	100	205	7.70	14.0	6.8	--
19...	0837	80513	80020	110	204	7.49	13.5	4.1	--
19...	0839	80513	80020	120	211	7.29	12.5	0.2	--
19...	0841	80513	80020	130	219	7.28	12.0	0.2	--
19...	0843	80513	80020	140	209	7.26	11.5	0.2	--
19...	0845	80513	80020	150	205	7.21	11.0	0.2	--
19...	0847	80513	80020	160	219	7.20	10.5	0.2	--
19...	0849	80513	80020	170	231	7.20	9.5	0.2	--
19...	0851	80513	80020	172	234	7.23	9.5	0.2	--
24...	1215	80513	80020	0.0	201	7.84	13.5	7.1	6.20
24...	1217	80513	80020	10.0	202	7.82	13.5	6.9	--
24...	1219	80513	80020	20.0	202	7.77	13.0	7.0	--
24...	1221	80513	80020	30.0	202	7.77	13.5	6.9	--
24...	1223	80513	80020	40.0	202	7.77	13.5	6.9	--
24...	1225	80513	80020	50.0	202	7.75	13.5	6.9	--
24...	1227	80513	80020	60.0	202	7.75	13.5	7.0	--
24...	1229	80513	80020	70.0	203	7.73	13.5	7.0	--
24...	1231	80513	80020	80.0	203	7.72	13.5	7.0	--
24...	1233	80513	80020	90.0	205	7.71	13.5	7.0	--
24...	1235	80513	80020	100	204	7.69	13.5	6.9	--
24...	1237	80513	80020	110	205	7.75	13.5	6.9	--
24...	1239	80513	80020	120	205	7.64	13.0	6.3	--
24...	1241	80513	80020	130	232	7.36	12.5	0.3	--
24...	1243	80513	80020	140	220	7.27	11.5	0.2	--
24...	1245	80513	80020	150	215	7.21	11.0	0.2	--
24...	1247	80513	80020	160	220	7.19	10.5	0.2	--
24...	1249	80513	80020	170	235	7.19	10.0	0.2	--
24...	1251	80513	80020	180	244	7.25	9.0	0.2	--
24...	1253	80513	80020	183	244	7.27	9.0	0.2	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
DEC											
04...	1000	80513	80020	0.0	201	7.85	11.5	8.0	4.00	--	--
04...	1002	80513	80020	10.0	202	7.85	11.5	7.9	--	--	--
04...	1004	80513	80020	20.0	202	7.83	11.5	7.9	--	--	--
04...	1006	80513	80020	30.0	202	7.82	11.5	7.8	--	--	--
04...	1008	80513	80020	40.0	202	7.81	11.5	7.8	--	--	--
04...	1010	80513	80020	50.0	202	7.78	11.5	7.8	--	--	--
04...	1012	80513	80020	60.0	202	7.78	11.5	7.7	--	--	--
04...	1014	80513	80020	70.0	203	7.76	12.0	7.7	--	--	--
04...	1016	80513	80020	80.0	203	7.76	12.0	7.6	--	--	--
04...	1018	80513	80020	90.0	203	7.73	12.0	7.6	--	--	--
04...	1020	80513	80020	100	203	7.73	12.0	7.6	--	--	--
04...	1022	80513	80020	110	203	7.72	12.0	7.6	--	--	--
04...	1024	80513	80020	120	203	7.72	12.0	7.6	--	--	--
04...	1026	80513	80020	130	203	7.71	12.0	7.5	--	--	--
04...	1028	80513	80020	140	204	7.62	12.0	6.4	--	--	--
04...	1030	80513	80020	150	219	7.33	11.0	0.2	--	--	--
04...	1032	80513	80020	160	232	7.25	10.5	0.2	--	--	--
04...	1034	80513	80020	170	245	7.27	9.5	0.2	--	--	--
04...	1036	80513	80020	179	247	7.31	9.5	0.2	--	--	--
JAN											
14...	1500	80513	80020	0.0	223	7.64	9.0	9.4	4.30	0	--
14...	1501	80513	80020	3.00	223	7.66	9.0	9.3	--	--	--
14...	1503	80513	80020	10.0	223	7.66	9.0	9.2	--	--	--
14...	1505	80513	80020	20.0	224	7.67	9.0	9.0	--	--	--
14...	1507	80513	80020	25.0	224	7.67	8.5	8.8	--	--	4
14...	1509	80513	80020	30.0	224	7.67	8.5	8.6	--	--	--
14...	1511	80513	80020	40.0	224	7.66	8.5	8.5	--	--	--
14...	1513	80513	80020	50.0	223	7.66	8.5	8.5	--	--	--
14...	1515	80513	80020	60.0	223	7.66	8.5	8.5	--	--	--
14...	1517	80513	80020	70.0	223	7.66	8.5	8.4	--	--	--
14...	1519	80513	80020	80.0	222	7.68	8.5	8.6	--	--	--
14...	1521	80513	80020	90.0	221	7.70	8.5	8.6	--	--	--
14...	1523	80513	80020	100	222	7.70	8.5	8.7	--	--	5
14...	1525	80513	80020	110	221	7.73	8.5	8.8	--	--	--
14...	1527	80513	80020	120	221	7.74	8.5	8.8	--	--	--
14...	1529	80513	80020	130	221	7.75	8.0	8.8	--	--	--
14...	1531	80513	80020	140	221	7.76	8.0	8.8	--	--	--
14...	1533	80513	80020	150	221	7.76	8.0	8.8	--	--	--
14...	1535	80513	80020	160	225	7.71	8.0	8.5	--	--	--
14...	1537	80513	80020	170	292	7.53	8.0	5.7	--	--	--
14...	1539	80513	80020	180	324	7.50	8.0	5.0	--	--	--
14...	1541	80513	80020	190	324	7.49	8.0	5.0	--	--	--
14...	1543	80513	80020	197	324	7.49	8.0	5.0	--	--	--
JAN											
DATE	TIME	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LINITY WH WAT TOTAL 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)	
14...	1501	--	--	--	--	0.300	0.010	0.010	0.400	<0.100	--
14...	1507	0.80	0.6	110	98	0.300	0.010	<0.010	--	--	--
14...	1523	0.60	0.7	110	106	0.300	0.010	<0.010	--	--	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
FEB									
04...	1245	80513	80020	0.0	221	7.55	7.0	11.5	3.70
04...	1247	80513	80020	10.0	221	7.60	7.0	10.7	--
04...	1249	80513	80020	20.0	221	7.68	7.0	10.6	--
04...	1251	80513	80020	30.0	221	7.68	7.0	10.6	--
04...	1253	80513	80020	40.0	220	7.72	7.0	10.6	--
04...	1255	80513	80020	50.0	220	7.73	7.0	10.6	--
04...	1257	80513	80020	60.0	221	7.75	7.0	10.6	--
04...	1259	80513	80020	70.0	221	7.77	7.0	10.6	--
04...	1301	80513	80020	80.0	221	7.78	7.0	10.5	--
04...	1303	80513	80020	90.0	221	7.79	7.0	10.5	--
04...	1305	80513	80020	100	221	7.80	7.0	10.5	--
04...	1307	80513	80020	110	221	7.82	7.0	10.5	--
04...	1309	80513	80020	120	221	7.85	7.0	10.6	--
04...	1311	80513	80020	130	221	7.87	7.0	10.7	--
04...	1313	80513	80020	140	221	7.87	7.0	10.7	--
04...	1315	80513	80020	150	221	7.87	7.0	10.6	--
04...	1317	80513	80020	160	221	7.87	7.0	10.5	--
04...	1319	80513	80020	170	221	7.88	7.0	10.6	--
04...	1321	80513	80020	180	221	7.89	7.0	10.6	--
04...	1323	80513	80020	190	220	7.88	7.0	10.3	--
04...	1325	80513	80020	192	223	7.88	7.0	10.3	--
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
MAR									
11...	1050	80513	80020	0.0	221	7.82	7.5	11.7	4.00
11...	1052	80513	80020	10.0	221	7.91	7.0	11.7	--
11...	1054	80513	80020	20.0	221	7.94	7.0	11.7	--
11...	1056	80513	80020	30.0	221	7.97	7.0	11.6	--
11...	1058	80513	80020	40.0	221	7.94	7.0	11.6	--
11...	1100	80513	80020	50.0	221	7.96	7.0	11.6	--
11...	1102	80513	80020	60.0	221	7.98	7.0	11.6	--
11...	1104	80513	80020	70.0	221	7.99	7.0	11.4	--
11...	1106	80513	80020	80.0	222	7.97	7.0	11.3	--
11...	1108	80513	80020	90.0	222	7.98	7.0	11.2	--
11...	1110	80513	80020	100	222	7.91	7.0	10.9	--
11...	1112	80513	80020	110	223	7.90	7.0	10.8	--
11...	1114	80513	80020	120	223	7.89	7.0	10.7	--
11...	1116	80513	80020	130	223	7.89	7.0	10.7	--
11...	1118	80513	80020	140	223	7.89	6.5	10.6	--
11...	1120	80513	80020	150	230	7.84	6.5	10.3	--
11...	1122	80513	80020	160	234	7.82	6.5	10.1	--
11...	1124	80513	80020	170	272	7.79	6.0	9.3	--
11...	1126	80513	80020	180	227	7.78	6.0	9.1	--
11...	1128	80513	80020	190	281	7.81	6.0	9.0	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
APR									
15...	1000	80513	80020	0.0	223	7.79	11.5	11.1	4.10
15...	1002	80513	80020	10.0	223	7.86	11.5	11.0	--
15...	1004	80513	80020	20.0	224	7.90	11.5	11.0	--
15...	1006	80513	80020	30.0	224	7.95	11.5	11.0	--
15...	1008	80513	80020	40.0	224	7.97	11.5	11.0	--
15...	1010	80513	80020	43.0	224	8.06	11.5	10.8	--
15...	1012	80513	80020	44.0	224	8.08	11.0	10.4	--
15...	1014	80513	80020	45.0	224	7.92	9.5	10.6	--
15...	1016	80513	80020	50.0	223	7.91	9.5	10.6	--
15...	1018	80513	80020	60.0	224	7.90	9.0	10.5	--
15...	1020	80513	80020	70.0	225	7.91	9.0	10.5	--
15...	1022	80513	80020	80.0	226	7.90	9.0	10.4	--
15...	1024	80513	80020	90.0	225	7.90	9.0	10.4	--
15...	1026	80513	80020	100	227	7.90	9.0	10.4	--
15...	1028	80513	80020	110	228	7.86	8.5	10.3	--
15...	1030	80513	80020	120	227	7.83	8.5	10.1	--
15...	1032	80513	80020	130	228	7.78	8.5	9.8	--
15...	1034	80513	80020	140	230	7.69	8.0	9.4	--
15...	1036	80513	80020	150	233	7.65	7.5	9.2	--
15...	1038	80513	80020	160	247	7.63	7.0	9.0	--
15...	1040	80513	80020	170	250	7.62	7.0	8.7	--
15...	1042	80513	80020	180	252	7.62	7.0	8.6	--
15...	1044	80513	80020	186	252	7.62	7.0	8.5	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MAY								
12...	0745	80513	80020	0.0	222	8.87	22.5	10.2
12...	0746	80513	80020	3.00	223	8.86	22.5	10.0
12...	0748	80513	80020	10.0	221	8.85	22.0	10.6
12...	0750	80513	80020	15.0	219	8.88	21.5	11.2
12...	0752	80513	80020	17.0	223	8.91	20.5	11.4
12...	0754	80513	80020	18.0	223	8.93	19.5	11.7
12...	0756	80513	80020	20.0	224	8.92	19.0	11.7
12...	0758	80513	80020	21.0	224	8.90	18.0	12.0
12...	0800	80513	80020	23.0	225	8.86	17.0	11.6
12...	0802	80513	80020	25.0	225	8.78	16.0	11.1
12...	0804	80513	80020	27.0	228	8.62	15.0	10.4
12...	0806	80513	80020	30.0	228	8.44	14.0	9.4
12...	0808	80513	80020	35.0	229	8.29	13.0	9.1
12...	0810	80513	80020	40.0	229	8.19	12.0	8.1
12...	0812	80513	80020	50.0	227	8.09	11.0	8.8
12...	0814	80513	80020	60.0	226	8.06	10.5	8.7
12...	0816	80513	80020	70.0	228	8.05	10.0	8.7
12...	0818	80513	80020	80.0	226	8.01	9.5	8.8
12...	0820	80513	80020	90.0	225	8.02	9.5	8.9
12...	0822	80513	80020	100	225	8.02	9.5	8.9
12...	0824	80513	80020	110	227	8.01	9.0	8.8
12...	0826	80513	80020	120	228	7.98	9.0	8.8
12...	0828	80513	80020	130	233	7.94	8.5	8.6
12...	0830	80513	80020	140	243	7.87	8.0	8.1
12...	0832	80513	80020	150	253	7.84	8.0	7.5
12...	0834	80513	80020	160	264	7.76	7.5	6.8
12...	0836	80513	80020	170	265	7.75	7.5	6.7
12...	0838	80513	80020	180	265	7.72	7.5	6.4
12...	0840	80513	80020	187	265	7.71	7.5	6.3

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, O.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
MAY								
12...	0745	5.00	1	--	--	--	--	--
12...	0802	--	--	2	1.5	1.3	110	35
12...	0822	--	--	1	0.60	0.7	110	35

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD (MG/L CAC03 (00410)	NITRO- GEN, NO2+N03 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								
12...	0746	--	--	0.200	0.010	<0.010	1.80	<0.100
12...	0802	6.5	96	0.300	0.010	<0.010	--	--
12...	0822	6.3	104	0.400	0.010	<0.010	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)
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JUN

10.	1300	80513	80020	0.0	203	8.72	26.5
10.	1301	80513	80020	3.00	204	8.71	26.5
10.	1303	80513	80020	10.0	203	8.69	26.5
10.	1305	80513	80020	15.0	202	8.69	25.5
10.	1307	80513	80020	19.0	206	8.66	24.5
10.	1309	80513	80020	20.0	211	8.63	23.5
10.	1311	80513	80020	21.0	213	8.63	23.0
10.	1313	80513	80020	23.0	217	8.60	22.0
10.	1315	80513	80020	24.0	219	8.59	21.0
10.	1317	80513	80020	25.0	222	8.58	20.0
10.	1319	80513	80020	26.0	224	8.50	19.0
10.	1321	80513	80020	27.0	226	8.41	18.0
10.	1323	80513	80020	28.0	228	8.31	17.5
10.	1325	80513	80020	30.0	230	8.22	16.5
10.	1327	80513	80020	32.0	231	8.06	15.5
10.	1329	80513	80020	35.0	230	7.95	15.0
10.	1331	80513	80020	37.0	232	7.85	14.0
10.	1333	80513	80020	40.0	232	7.75	13.0
10.	1335	80513	80020	45.0	232	7.69	12.0
10.	1337	80513	80020	50.0	231	7.67	11.5
10.	1339	80513	80020	60.0	230	7.64	11.0
10.	1341	80513	80020	70.0	230	7.64	10.5
10.	1343	80513	80020	80.0	231	7.65	10.0
10.	1345	80513	80020	90.0	231	7.65	9.5
10.	1347	80513	80020	100	230	7.66	9.5
10.	1349	80513	80020	110	230	7.65	9.5
10.	1351	80513	80020	120	232	7.65	9.0
10.	1353	80513	80020	130	236	7.61	9.0
10.	1355	80513	80020	140	242	7.58	8.5
10.	1357	80513	80020	150	255	7.51	8.0
10.	1359	80513	80020	160	258	7.47	8.0
10.	1401	80513	80020	170	261	7.46	8.0
10.	1403	80513	80020	180	262	7.44	7.5
10.	1405	80513	80020	186	264	7.43	7.5

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	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						
10.	1300	9.6	3.80	--	--	--
10.	1301	9.6	--	<0.100	0.030	<0.010
10.	1303	9.8	--	--	--	--
10.	1305	10.3	--	--	--	--
10.	1307	10.8	--	--	--	--
10.	1309	11.2	--	--	--	--
10.	1311	11.3	--	--	--	--
10.	1313	11.6	--	--	--	--
10.	1315	11.6	--	--	--	--
10.	1317	11.4	--	--	--	--
10.	1319	11.1	--	--	--	--
10.	1321	10.5	--	--	--	--
10.	1323	10.2	--	--	--	--
10.	1325	9.8	--	--	--	--
10.	1327	9.2	--	--	--	--
10.	1329	8.7	--	--	--	--
10.	1331	8.4	--	--	--	--
10.	1333	7.9	--	--	--	--
10.	1335	7.6	--	--	--	--
10.	1337	7.6	--	--	--	--
10.	1339	7.6	--	--	--	--
10.	1341	7.7	--	--	--	--
10.	1343	8.0	--	--	--	--
10.	1345	7.9	--	--	--	--
10.	1347	8.1	--	--	--	--
10.	1349	8.1	--	--	--	--
10.	1351	8.1	--	--	--	--
10.	1353	7.6	--	--	--	--
10.	1355	7.2	--	--	--	--
10.	1357	6.3	--	--	--	--
10.	1359	5.6	--	--	--	--
10.	1401	5.3	--	--	--	--
10.	1403	4.9	--	--	--	--
10.	1405	4.6	--	--	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL								
15...	1130	80513	80020	0.0	197	8.68	26.5	8.3
15...	1131	80513	80020	3.00	197	8.63	26.5	8.3
15...	1133	80513	80020	10.0	197	8.62	26.5	8.2
15...	1135	80513	80020	20.0	197	8.63	26.5	8.2
15...	1137	80513	80020	30.0	200	8.56	26.5	8.0
15...	1139	80513	80020	31.0	225	8.06	20.0	8.0
15...	1141	80513	80020	32.0	226	8.01	19.0	8.0
15...	1143	80513	80020	34.0	228	7.95	18.0	7.7
15...	1145	80513	80020	35.0	230	7.92	17.0	7.5
15...	1147	80513	80020	36.0	231	7.90	16.0	7.3
15...	1149	80513	80020	37.0	229	7.88	16.0	7.2
15...	1151	80513	80020	40.0	231	7.80	15.0	6.7
15...	1153	80513	80020	43.0	232	7.75	14.0	6.3
15...	1155	80513	80020	47.0	232	7.71	13.0	6.1
15...	1157	80513	80020	50.0	233	7.68	12.5	5.8
15...	1159	80513	80020	60.0	233	7.63	11.5	5.5
15...	1201	80513	80020	70.0	231	7.62	10.5	5.8
15...	1203	80513	80020	80.0	231	7.64	10.0	6.0
15...	1205	80513	80020	90.0	232	7.65	10.0	6.4
15...	1207	80513	80020	100	230	7.66	9.5	6.4
15...	1209	80513	80020	110	230	7.66	9.5	6.8
15...	1211	80513	80020	120	232	7.66	9.0	6.7
15...	1213	80513	80020	130	233	7.65	9.0	6.5
15...	1215	80513	80020	140	240	7.59	8.5	5.7
15...	1217	80513	80020	150	246	7.51	8.5	4.5
15...	1219	80513	80020	160	251	7.49	8.0	4.1
15...	1221	80513	80020	170	250	7.45	8.0	3.3
15...	1223	80513	80020	173	254	7.43	8.0	2.8

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

		TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	NITRO- GEN, NO2+N03 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								
15...	1130	4.80	--	--	--	--	--	
15...	1131	--	<0.100	0.010	<0.010	1.50	0.200	
		AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DATE	TIME							
AUG								
18...	0730	80513	80020	0.0	195	8.42	29.5	7.5
18...	0731	80513	80020	3.00	195	8.41	29.5	7.4
18...	0733	80513	80020	10.0	195	8.42	29.5	7.4
18...	0735	80513	80020	20.0	195	8.44	29.0	7.5
18...	0737	80513	80020	25.0	197	8.42	28.5	7.4
18...	0739	80513	80020	26.0	198	8.42	28.0	7.4
18...	0741	80513	80020	27.0	205	8.33	26.0	7.5
18...	0743	80513	80020	28.0	207	8.31	25.5	7.6
18...	0745	80513	80020	29.0	209	8.26	25.0	7.4
18...	0747	80513	80020	30.0	210	8.23	24.5	7.3
18...	0749	80513	80020	31.0	212	8.20	23.5	7.1
18...	0751	80513	80020	32.0	213	8.12	23.0	6.7
18...	0753	80513	80020	33.0	217	8.02	22.0	6.3
18...	0755	80513	80020	34.0	219	7.93	21.5	6.3
18...	0757	80513	80020	36.0	220	7.83	20.5	5.5
18...	0759	80513	80020	37.0	223	7.74	19.5	5.2
18...	0801	80513	80020	38.0	223	7.71	19.0	5.0
18...	0803	80513	80020	40.0	225	7.64	18.5	4.3
18...	0805	80513	80020	41.0	227	7.63	17.5	4.2
18...	0807	80513	80020	43.0	229	7.64	16.5	3.9
18...	0809	80513	80020	46.0	229	7.62	15.5	3.8
18...	0811	80513	80020	50.0	231	7.62	14.5	3.8
18...	0813	80513	80020	54.0	233	7.61	13.5	3.6
18...	0815	80513	80020	60.0	232	7.59	12.5	3.7
18...	0817	80513	80020	65.0	231	7.58	12.0	3.7
18...	0819	80513	80020	70.0	230	7.58	11.5	3.9
18...	0821	80513	80020	80.0	229	7.62	11.0	4.2
18...	0823	80513	80020	90.0	228	7.60	10.5	4.3
18...	0825	80513	80020	100	225	7.59	10.0	4.7
18...	0827	80513	80020	110	223	7.60	9.5	5.0
18...	0831	80513	80020	120	226	7.58	9.5	4.9
18...	0833	80513	80020	130	222	7.55	9.0	4.8
18...	0835	80513	80020	140	226	7.49	9.0	4.0
18...	0837	80513	80020	150	234	7.40	8.5	1.9
18...	0839	80513	80020	160	242	7.36	8.5	0.9
18...	0841	80513	80020	170	243	7.32	8.0	0.4
18...	0843	80513	80020	180	240	7.33	8.0	0.1
		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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
DATE	TIME							
AUG								
18...	0730	4.10	0	--	--	--	--	--
18...	0737	--	--	1	0.30	0.5	86	24
18...	0825	--	--	1	0.30	1.1	120	35
		MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD (MG/L AS CAC03) (00410)	NITRO- GEN, NO2+N03 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								
18...	0731	--	--	<0.100	0.010	<0.010	1.30	0.100
18...	0737	6.4	90	<0.100	0.010	<0.010	--	--
18...	0825	7.0	104	0.500	0.010	<0.010	--	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	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											
03...	1145	80513	80020	0.0	198	8.52	26.5	8.0	4.40	--	--
03...	1146	80513	80020	3.00	198	8.48	26.5	8.0	--	1.70	0.100
03...	1148	80513	80020	10.0	199	8.53	26.0	8.0	--	--	--
03...	1150	80513	80020	20.0	199	8.54	26.0	7.9	--	--	--
03...	1152	80513	80020	30.0	199	8.46	26.0	7.6	--	--	--
03...	1154	80513	80020	31.0	206	8.24	25.0	6.9	--	--	--
03...	1156	80513	80020	32.0	209	8.14	24.5	6.1	--	--	--
03...	1158	80513	80020	34.0	220	7.89	23.5	5.2	--	--	--
03...	1200	80513	80020	35.0	225	7.68	21.0	5.0	--	--	--
03...	1202	80513	80020	36.0	227	7.62	20.5	4.7	--	--	--
03...	1204	80513	80020	37.0	229	7.56	19.5	4.2	--	--	--
03...	1206	80513	80020	40.0	231	7.47	18.5	3.5	--	--	--
03...	1208	80513	80020	42.0	231	7.43	17.5	3.1	--	--	--
03...	1210	80513	80020	44.0	234	7.42	16.5	2.9	--	--	--
03...	1212	80513	80020	46.0	234	7.40	15.5	2.6	--	--	--
03...	1214	80513	80020	49.0	235	7.40	15.0	2.7	--	--	--
03...	1216	80513	80020	50.0	236	7.41	14.0	2.6	--	--	--
03...	1218	80513	80020	54.0	235	7.40	13.5	2.6	--	--	--
03...	1220	80513	80020	60.0	236	7.40	12.5	2.9	--	--	--
03...	1222	80513	80020	70.0	232	7.41	11.5	3.4	--	--	--
03...	1224	80513	80020	80.0	230	7.42	11.0	3.8	--	--	--
03...	1226	80513	80020	90.0	230	7.42	10.5	4.0	--	--	--
03...	1228	80513	80020	100	230	7.44	10.0	4.3	--	--	--
03...	1230	80513	80020	110	228	7.44	10.0	4.6	--	--	--
03...	1232	80513	80020	120	228	7.44	9.5	4.7	--	--	--
03...	1234	80513	80020	130	232	7.42	9.5	4.3	--	--	--
03...	1236	80513	80020	140	235	7.38	9.0	3.5	--	--	--
03...	1238	80513	80020	150	238	7.33	9.0	2.3	--	--	--
03...	1240	80513	80020	160	242	7.27	8.5	1.2	--	--	--
03...	1242	80513	80020	168	246	7.24	8.5	0.5	--	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
SEP									
17...	0845	80513	80020	0.0	197	8.76	24.5	7.7	5.50
17...	0847	80513	80020	10.0	197	8.72	24.5	7.6	--
17...	0849	80513	80020	20.0	198	8.73	24.5	7.6	--
17...	0851	80513	80020	30.0	198	8.72	24.5	7.6	--
17...	0853	80513	80020	33.0	198	8.64	24.5	7.4	--
17...	0855	80513	80020	34.0	210	8.09	23.5	4.3	--
17...	0857	80513	80020	35.0	214	7.87	22.5	3.7	--
17...	0859	80513	80020	36.0	216	7.76	22.0	2.9	--
17...	0901	80513	80020	37.0	217	7.69	21.5	2.1	--
17...	0903	80513	80020	38.0	223	7.59	20.0	1.3	--
17...	0905	80513	80020	39.0	228	7.57	19.0	1.9	--
17...	0907	80513	80020	40.0	228	7.57	18.0	1.9	--
17...	0909	80513	80020	41.0	228	7.55	17.5	1.6	--
17...	0911	80513	80020	45.0	230	7.54	16.5	1.7	--
17...	0913	80513	80020	48.0	231	7.53	15.5	1.6	--
17...	0915	80513	80020	50.0	233	7.52	14.5	1.5	--
17...	0917	80513	80020	53.0	231	7.54	13.5	1.8	--
17...	0919	80513	80020	60.0	231	7.54	13.0	2.1	--
17...	0921	80513	80020	70.0	234	7.57	12.0	2.6	--
17...	0923	80513	80020	80.0	227	7.59	11.0	3.2	--
17...	0925	80513	80020	90.0	226	7.60	10.5	3.6	--
17...	0927	80513	80020	100	224	7.60	10.0	3.8	--
17...	0929	80513	80020	110	224	7.61	10.0	4.0	--
17...	0931	80513	80020	120	225	7.61	9.5	4.1	--
17...	0933	80513	80020	130	227	7.61	9.5	4.1	--
17...	0935	80513	80020	140	227	7.59	9.5	3.8	--
17...	0937	80513	80020	150	232	7.54	9.0	3.1	--
17...	0939	80513	80020	160	234	7.50	9.0	2.2	--
17...	0941	80513	80020	168	240	7.44	8.5	0.7	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
SEP									
30...	0830	80513	80020	0.0	202	8.67	22.5	7.8	4.30
30...	0832	80513	80020	10.0	203	8.63	22.5	6.5	--
30...	0834	80513	80020	20.0	203	8.59	22.5	6.3	--
30...	0836	80513	80020	30.0	202	8.56	22.5	6.4	--
30...	0838	80513	80020	39.0	203	8.53	22.5	6.2	--
30...	0840	80513	80020	40.0	216	7.90	21.5	3.6	--
30...	0842	80513	80020	42.0	225	7.68	20.0	2.4	--
30...	0844	80513	80020	43.0	227	7.59	20.0	2.0	--
30...	0846	80513	80020	45.0	231	7.51	19.0	1.1	--
30...	0848	80513	80020	46.0	234	7.48	17.5	0.7	--
30...	0850	80513	80020	47.0	234	7.48	16.5	0.7	--
30...	0852	80513	80020	50.0	234	7.48	16.0	0.6	--
30...	0854	80513	80020	53.0	235	7.48	15.0	0.7	--
30...	0856	80513	80020	55.0	235	7.49	14.0	0.9	--
30...	0858	80513	80020	58.0	235	7.49	13.5	1.1	--
30...	0900	80513	80020	60.0	234	7.50	13.5	1.1	--
30...	0902	80513	80020	65.0	236	7.51	12.5	1.5	--
30...	0904	80513	80020	70.0	237	7.52	12.5	1.7	--
30...	0906	80513	80020	80.0	236	7.54	11.5	2.3	--
30...	0908	80513	80020	90.0	232	7.57	11.0	2.7	--
30...	0910	80513	80020	100	228	7.58	10.0	3.2	--
30...	0912	80513	80020	110	234	7.59	10.0	3.3	--
30...	0914	80513	80020	120	234	7.59	9.5	3.4	--
30...	0916	80513	80020	130	233	7.58	9.5	3.1	--
30...	0918	80513	80020	140	232	7.53	9.0	2.7	--
30...	0920	80513	80020	150	238	7.46	9.0	1.4	--
30...	0922	80513	80020	160	241	7.43	8.5	0.5	--
30...	0924	80513	80020	168	247	7.43	8.5	0.1	--

WHITE RIVER BASIN

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

LOCATION.--Lat 36°35'40", long 93°18'33", in NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)
OCT										
08...	1400	80513	80020	195	7.20	11.5	5.1	--	--	--
21...	1415	80513	80020	196	7.80	13.0	7.8	--	--	--
NOV										
05...	1045	80513	80020	192	7.22	12.0	5.4	--	--	--
19...	0800	80513	80020	217	7.65	12.0	6.1	--	--	--
24...	1300	80513	80020	211	7.34	12.5	6.8	--	--	--
DEC										
04...	1050	80513	80020	199	7.50	12.0	8.7	--	--	--
JAN										
14...	1430	80513	80020	229	7.55	8.5	9.3	2	6	1.3
FEB										
04...	1335	80513	80020	226	8.11	8.0	12.4	--	--	--
MAR										
11...	1135	80513	80020	229	7.94	7.0	11.2	--	--	--
APR										
15...	1055	80513	80020	234	7.73	8.5	10.5	--	--	--
MAY										
12...	0715	80513	80020	238	8.12	9.0	9.2	K68	2	0.60
JUN										
10...	1430	80513	80020	240	7.57	10.0	12.3	--	--	--
JUL										
15...	1115	80513	80020	239	7.91	13.0	10.1	--	--	--
AUG										
18...	0900	80513	80020	236	7.35	11.5	6.7	11	4	0.20
SEP										
03...	1130	80513	80020	237	8.33	13.0	10.8	--	--	--
17...	0830	80513	80020	264	8.27	12.0	7.9	--	--	--
30...	0800	80513	80020	233	7.98	9.5	7.9	--	--	--

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WH WAT TOTAL 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)
JAN									
14...	1430	0.9	110	--	--	106	0.400	0.050	0.020
MAY									
12...	0715	0.9	120	37	6.8	108	0.500	0.020	0.010
AUG									
18...	0900	1.1	110	32	6.7	106	0.600	0.030	<0.010

07054500 BULL SHOALS LAKE NEAR FLIPPIN, ARK.

LOCATION.--Lat 36°21'56", long 92°34'29", in NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
OCT									
08...	0845	80513	80020	0.0	241	8.50	22.5	8.0	5.90
08...	0847	80513	80020	10.0	242	8.50	23.0	7.9	--
08...	0849	80513	80020	20.0	244	8.40	23.0	7.9	--
08...	0851	80513	80020	30.0	244	8.40	23.0	7.8	--
08...	0853	80513	80020	40.0	255	7.80	22.5	3.8	--
08...	0855	80513	80020	41.0	257	7.70	22.0	3.9	--
08...	0857	80513	80020	42.0	257	7.60	21.5	3.9	--
08...	0859	80513	80020	45.0	264	7.50	20.5	2.1	--
08...	0901	80513	80020	48.0	271	7.40	19.5	0.2	--
08...	0903	80513	80020	50.0	271	7.40	19.0	0.1	--
08...	0905	80513	80020	55.0	265	7.40	18.0	0.1	--
08...	0907	80513	80020	60.0	261	7.40	17.5	0.2	--
08...	0909	80513	80020	70.0	251	7.30	16.5	0.7	--
08...	0911	80513	80020	80.0	251	7.30	16.0	0.9	--
08...	0913	80513	80020	90.0	256	7.30	15.0	1.0	--
08...	0915	80513	80020	100	261	7.40	14.5	1.6	--
08...	0917	80513	80020	110	261	7.40	13.5	2.1	--
08...	0919	80513	80020	120	261	7.40	13.0	1.8	--
08...	0921	80513	80020	130	265	7.40	12.0	0.8	--
08...	0923	80513	80020	140	270	7.30	10.5	0.2	--
08...	0925	80513	80020	150	270	7.40	10.0	0.2	--
08...	0927	80513	80020	160	270	7.40	9.0	0.2	--
08...	0929	80513	80020	167	270	7.40	9.0	0.2	--
NOV									
04...	1130	80513	80020	0.0	251	8.03	18.0	7.0	4.80
04...	1132	80513	80020	10.0	252	8.04	18.0	7.0	--
04...	1134	80513	80020	20.0	253	8.03	18.0	6.9	--
04...	1136	80513	80020	30.0	253	8.00	18.0	6.9	--
04...	1138	80513	80020	40.0	253	7.99	18.0	6.9	--
04...	1140	80513	80020	50.0	253	7.97	18.0	6.8	--
04...	1142	80513	80020	60.0	254	7.87	18.0	5.9	--
04...	1144	80513	80020	65.0	258	7.41	17.5	0.2	--
04...	1146	80513	80020	70.0	258	7.35	17.0	0.2	--
04...	1148	80513	80020	80.0	252	7.30	16.0	0.3	--
04...	1150	80513	80020	90.0	252	7.28	15.5	0.5	--
04...	1152	80513	80020	100	255	7.28	15.0	0.4	--
04...	1154	80513	80020	110	264	7.30	14.0	0.6	--
04...	1156	80513	80020	120	265	7.31	13.0	0.4	--
04...	1158	80513	80020	130	266	7.30	12.0	0.2	--
04...	1200	80513	80020	140	273	7.33	11.0	0.2	--
04...	1202	80513	80020	150	275	7.35	10.0	0.2	--
04...	1204	80513	80020	160	275	7.36	9.5	0.2	--
04...	1206	80513	80020	166	275	7.37	9.0	0.2	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

		AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)		
DEC											
03...	1130	80513	80020	0.0	251	7.77	12.5	7.9	5.30		
03...	1132	80513	80020	10.0	251	7.78	12.5	7.8	--		
03...	1134	80513	80020	20.0	251	7.83	13.0	7.8	--		
03...	1136	80513	80020	30.0	251	7.85	13.0	7.7	--		
03...	1138	80513	80020	40.0	251	7.85	13.0	7.7	--		
03...	1140	80513	80020	50.0	251	7.85	13.0	7.6	--		
03...	1142	80513	80020	60.0	251	7.85	13.0	7.6	--		
03...	1144	80513	80020	70.0	251	7.85	13.0	7.7	--		
03...	1146	80513	80020	80.0	251	7.85	13.0	7.7	--		
03...	1148	80513	80020	90.0	251	7.85	13.0	7.7	--		
03...	1150	80513	80020	100	265	7.85	13.0	7.6	--		
03...	1152	80513	80020	110	255	7.85	13.0	7.5	--		
03...	1154	80513	80020	120	255	7.75	13.0	6.3	--		
03...	1156	80513	80020	130	259	7.68	12.5	5.4	--		
03...	1158	80513	80020	140	272	7.44	12.0	0.3	--		
03...	1200	80513	80020	150	280	7.42	11.0	0.2	--		
03...	1202	80513	80020	160	277	7.42	10.0	0.2	--		
03...	1204	80513	80020	163	279	7.42	9.5	0.2	--		
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
JAN											
08...	1500	80513	80020	0.0	254	7.71	9.5	7.5	4.60	0	--
08...	1501	80513	80020	3.00	254	7.72	9.5	7.4	--	--	--
08...	1503	80513	80020	10.0	254	7.72	9.5	7.3	--	--	--
08...	1505	80513	80020	20.0	254	7.71	9.5	7.2	--	--	--
08...	1507	80513	80020	25.0	254	7.71	9.5	7.1	--	--	1
08...	1509	80513	80020	30.0	255	7.71	9.5	7.1	--	--	--
08...	1511	80513	80020	40.0	255	7.71	9.5	7.1	--	--	--
08...	1513	80513	80020	50.0	255	7.71	9.5	7.1	--	--	--
08...	1515	80513	80020	60.0	255	7.71	9.5	7.1	--	--	--
08...	1517	80513	80020	70.0	255	7.71	9.5	7.1	--	--	--
08...	1519	80513	80020	80.0	255	7.72	9.5	7.1	--	--	--
08...	1521	80513	80020	90.0	257	7.72	9.5	7.1	--	--	--
08...	1523	80513	80020	100	257	7.72	9.5	7.1	--	--	1
08...	1525	80513	80020	110	256	7.72	9.5	7.1	--	--	--
08...	1527	80513	80020	120	256	7.72	9.5	7.1	--	--	--
08...	1529	80513	80020	130	256	7.67	9.5	5.8	--	--	--
08...	1531	80513	80020	140	259	7.67	9.0	6.2	--	--	--
08...	1533	80513	80020	150	262	7.54	9.0	3.0	--	--	--
08...	1535	80513	80020	160	266	7.48	9.0	1.7	--	--	--
08...	1537	80513	80020	166	274	7.47	9.0	0.5	--	--	--
DATE	TIME	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LITY 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)	
JAN											
08...	1501	--	--	--	--	0.200	<0.010	<0.010	1.70	<0.100	--
08...	1507	0.40	1.0	140	118	0.200	<0.010	<0.010	--	--	--
08...	1523	0.40	1.1	130	124	0.200	<0.010	<0.010	--	--	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
FEB									
05...	1000	80513	80020	0.0	249	8.21	8.0	11.2	5.00
05...	1002	80513	80020	10.0	250	8.15	8.0	11.1	--
05...	1004	80513	80020	20.0	251	8.13	8.0	10.9	--
05...	1006	80513	80020	30.0	252	8.05	8.0	10.3	--
05...	1008	80513	80020	40.0	252	8.03	7.5	10.2	--
05...	1010	80513	80020	50.0	252	8.03	7.5	10.2	--
05...	1012	80513	80020	60.0	252	8.05	7.5	10.1	--
05...	1014	80513	80020	70.0	253	8.04	7.5	10.1	--
05...	1016	80513	80020	80.0	253	8.04	7.5	10.1	--
05...	1018	80513	80020	90.0	253	8.04	7.5	10.2	--
05...	1020	80513	80020	100	253	8.03	7.5	10.2	--
05...	1022	80513	80020	110	253	8.04	7.5	10.2	--
05...	1024	80513	80020	120	254	8.04	7.5	10.2	--
05...	1026	80513	80020	130	254	8.04	7.0	10.2	--
05...	1028	80513	80020	140	254	8.04	7.0	10.2	--
05...	1030	80513	80020	150	254	8.02	7.0	10.1	--
05...	1032	80513	80020	160	255	8.02	7.0	10.0	--
05...	1034	80513	80020	168	255	8.01	7.0	10.0	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
MAR									
10...	1400	80513	80020	0.0	249	8.37	9.0	12.2	4.70
10...	1402	80513	80020	10.0	250	8.36	9.0	12.2	--
10...	1404	80513	80020	20.0	251	8.34	9.0	12.2	--
10...	1406	80513	80020	30.0	251	8.31	9.0	12.2	--
10...	1408	80513	80020	40.0	250	8.30	8.5	12.1	--
10...	1410	80513	80020	50.0	250	8.29	8.5	12.1	--
10...	1412	80513	80020	60.0	250	8.29	8.0	12.0	--
10...	1414	80513	80020	70.0	251	8.28	8.0	12.0	--
10...	1416	80513	80020	80.0	250	8.26	8.0	11.9	--
10...	1418	80513	80020	90.0	250	8.22	7.5	11.6	--
10...	1420	80513	80020	100	253	8.16	7.0	11.3	--
10...	1422	80513	80020	110	253	8.14	7.0	11.3	--
10...	1424	80513	80020	120	252	8.13	7.0	11.2	--
10...	1426	80513	80020	130	254	8.12	7.0	11.1	--
10...	1428	80513	80020	140	253	8.10	7.0	11.0	--
10...	1430	80513	80020	150	254	8.08	7.0	10.9	--
10...	1432	80513	80020	160	255	8.07	7.0	10.8	--
10...	1434	80513	80020	170	256	8.03	7.0	10.4	--
10...	1436	80513	80020	175	257	8.00	7.0	10.1	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
APR									
14...	1300	80513	80020	0.0	255	8.10	12.0	11.7	4.90
14...	1302	80513	80020	10.0	254	8.08	11.0	11.6	--
14...	1304	80513	80020	20.0	253	8.04	10.5	11.3	--
14...	1306	80513	80020	30.0	254	8.03	10.0	11.1	--
14...	1308	80513	80020	40.0	252	8.00	10.0	10.9	--
14...	1310	80513	80020	50.0	252	7.99	9.5	10.8	--
14...	1312	80513	80020	60.0	252	7.98	9.5	10.7	--
14...	1314	80513	80020	70.0	252	7.99	9.5	10.7	--
14...	1316	80513	80020	80.0	254	7.96	9.0	10.5	--
14...	1318	80513	80020	90.0	254	7.96	9.0	10.5	--
14...	1320	80513	80020	100	253	7.94	9.0	10.4	--
14...	1322	80513	80020	110	252	7.88	8.5	10.1	--
14...	1324	80513	80020	120	252	7.80	7.5	9.9	--
14...	1326	80513	80020	130	252	7.78	7.0	9.8	--
14...	1328	80513	80020	140	252	7.77	7.0	9.6	--
14...	1330	80513	80020	150	252	7.76	7.0	9.5	--
14...	1332	80513	80020	160	253	7.74	7.0	9.5	--
14...	1334	80513	80020	170	252	7.75	7.0	9.4	--
14...	1336	80513	80020	176	255	7.75	7.0	9.3	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MAY								
07...	1900	80513	80020	0.0	248	8.72	21.0	11.0
07...	1901	80513	80020	3.00	248	8.68	21.0	11.0
07...	1903	80513	80020	8.00	249	8.71	20.0	11.4
07...	1905	80513	80020	10.0	250	8.70	20.0	11.4
07...	1907	80513	80020	16.0	248	8.72	19.0	12.6
07...	1909	80513	80020	20.0	247	8.72	18.0	13.4
07...	1911	80513	80020	22.0	246	8.73	17.0	13.8
07...	1913	80513	80020	24.0	248	8.73	16.5	13.8
07...	1915	80513	80020	25.0	253	8.75	15.5	13.2
07...	1917	80513	80020	30.0	256	8.65	14.5	12.0
07...	1919	80513	80020	37.0	256	8.46	13.5	10.9
07...	1921	80513	80020	40.0	259	8.43	13.0	10.8
07...	1923	80513	80020	46.0	256	8.29	12.0	10.1
07...	1925	80513	80020	50.0	257	8.24	11.5	10.0
07...	1927	80513	80020	60.0	258	8.15	10.5	9.6
07...	1929	80513	80020	70.0	255	8.09	10.0	9.4
07...	1931	80513	80020	80.0	255	8.08	10.0	9.4
07...	1933	80513	80020	90.0	256	8.07	9.5	9.4
07...	1935	80513	80020	100	254	8.07	9.5	9.4
07...	1937	80513	80020	110	255	8.03	9.0	9.2
07...	1939	80513	80020	120	257	7.98	8.5	9.0
07...	1941	80513	80020	130	258	7.93	8.0	8.7
07...	1943	80513	80020	140	258	7.90	7.5	8.4
07...	1945	80513	80020	150	258	7.88	7.5	8.2
07...	1947	80513	80020	160	260	7.86	7.5	8.1
07...	1949	80513	80020	170	259	7.86	7.5	7.9
07...	1951	80513	80020	175	260	7.85	7.5	7.7

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
MAY								
07...	1900	2.60	0	--	--	--	--	--
07...	1915	--	--	2	1.0	1.4	130	34
07...	1935	--	--	2	0.30	0.4	130	36

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
MAY								
07...	1901	--	--	<0.100	0.010	<0.010	1.40	<0.100
07...	1915	11	116	<0.100	0.010	<0.010	--	--
07...	1935	10	126	0.200	0.010	<0.010	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)
JUN							
09.	1401	80513	80020	3.00	248	8.56	26.5

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

		OXYGEN, DIS- SOLVED (MG/L) (00300)	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 09.		1401	9.5	--	<0.100	0.030	0.020	
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL 14...	1216	80513	80020	3.00	235	8.53	28.0	8.3
DATE	TIME	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 14...	1216	--	<0.100	0.070	<0.010	<0.100	<0.100	
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG 17...	1215	80513	80020	0.0	235	8.22	29.5	9.5
17...	1216	80513	80020	3.00	235	8.22	29.5	9.5
17...	1222	80513	80020	25.0	235	8.26	29.0	9.6
17...	1304	80513	80020	100	261	7.76	10.5	5.2
DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
AUG 17...	1215	5.80	1	--	--	--	--	--
17...	1222	--	--	1	0.30	0.6	110	26
17...	1304	--	--	2	0.20	0.6	120	33
DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL 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 17...	1216	--	--	<0.100	0.010	<0.010	0.600	<0.100
17...	1222	11	114	<0.100	0.010	<0.010	--	--
17...	1304	9.8	126	0.400	0.010	<0.010	--	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
------	------	--	---	---	--	---	---	--

SEP								
02...	1146	80513	80020	3.00	232	8.56	27.0	8.7

DATE	TIME	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							
02...	1145	5.10	--	--	--	--	--
02...	1146	--	<0.100	<0.010	<0.010	0.800	<0.100

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

LOCATION.--Lat 36°21'56", long 92°34'29", in NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)
OCT										
08...	0800	80513	80020	257	7.50	13.5	3.1	--	--	--
NOV										
04...	1115	80513	80020	257	7.45	13.5	4.2	--	--	--
DEC										
03...	1230	80513	80020	248	7.72	13.0	9.3	--	--	--
JAN										
08...	1600	80513	80020	255	7.95	9.5	10.1	0	2	0.30
FEB										
05...	0950	80513	80020	245	8.11	7.5	12.0	--	--	--
MAR										
10...	1450	80513	80020	249	8.17	7.5	11.7	--	--	--
APR										
14...	1350	80513	80020	250	7.74	8.5	10.6	--	--	--
MAY										
07...	2015	80513	80020	254	8.06	9.0	9.4	1	1	0.60
JUN										
09...	1515	80513	80020	267	8.25	14.0	12.4	--	--	--
JUL										
14...	1320	80513	80020	257	7.79	11.0	8.8	--	--	--
AUG										
17...	1330	80513	80020	262	7.91	13.5	9.3	7	2	0.30
SEP										
02...	1255	80513	80020	266	7.80	12.5	8.8	--	--	--

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN									
08...	1600	1.3	140	--	--	120	0.200	<0.010	<0.010
MAY									
07...	2015	0.4	140	37	12	130	0.200	0.010	<0.010
AUG									
17...	1330	0.7	130	33	11	122	0.400	0.010	<0.010

WHITE RIVER BASIN

07055565 CROOKED CREEK AT HARRISON, ARK.

LOCATION.--Lat 36°14'04", long 93°05'26", in SW ¼ SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT									
21...	1255	9827	9827	--	17.0	--	10.3	0.6	52
NOV									
24...	1240	9827	9827	7.85	11.0	2.0	11.3	1.0	--
DEC									
29...	1405	9827	9827	7.86	10.0	1.5	12.6	1.2	20
JAN									
27...	1240	9827	9827	7.85	9.0	15	12.6	0.4	140
FEB									
24...	1240	9827	9827	7.97	11.0	4.0	11.3	0.5	32
MAR									
24...	1245	9827	9827	7.81	12.0	25	10.1	3.5	800
APR									
21...	1350	9827	9827	7.98	20.0	2.9	--	1.5	4
MAY									
26...	1220	9827	9827	7.50	21.0	25	5.1	1.1	630
JUN									
23...	1320	9827	9827	7.96	23.0	9.0	8.0	1.2	460
JUL									
21...	1230	9827	9827	7.82	24.0	6.7	9.1	1.3	150
AUG									
18...	1250	9827	9827	7.45	--	4.6	9.0	--	300
SEP									
22...	1215	9827	9827	7.73	18.0	20	9.8	1.6	36

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+N03 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									
21...	1255	180	--	7.0	223	6	1.50	0.010	<0.10
NOV									
24...	1240	170	2.0	7.0	222	2	1.90	0.030	<0.10
DEC									
29...	1405	180	4.0	6.5	213	1	1.70	0.050	<0.10
JAN									
27...	1240	160	5.0	8.0	194	13	1.50	--	0.10
FEB									
24...	1240	140	5.0	5.5	194	4	1.70	0.040	<0.10
MAR									
24...	1245	90	6.0	4.5	120	15	0.870	0.040	<0.10
APR									
21...	1350	140	3.0	4.5	165	5	1.10	--	<0.10
MAY									
26...	1220	140	2.0	6.5	184	21	1.40	0.020	<0.10
JUN									
23...	1320	170	2.0	6.0	192	15	1.60	0.050	0.50
JUL									
21...	1230	170	1.0	6.5	199	10	1.40	--	1.1
AUG									
18...	1250	170	--	7.0	210	10	1.00	--	0.90
SEP									
22...	1215	170	4.0	6.0	--	27	1.50	0.010	<0.10

WHITE RIVER BASIN

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07055565 CROOKED CREEK AT HARRISON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
21...	1255	0.050	0.040	<1	<1	<15	--	--	10
NOV									
24...	1240	0.060	0.030	<1	<1	<15	<1	--	<10
DEC									
29...	1405	0.020	0.030	--	2	19	2	--	20
JAN									
27...	1240	0.060	0.090	<1	1	<15	<1	--	10
FEB									
24...	1240	0.020	0.130	<1	<1	<15	<1	--	<10
MAR									
24...	1245	0.090	0.050	--	<1	<15	--	--	10
APR									
21...	1350	0.070	0.020	--	--	--	<1	--	--
MAY									
26...	1220	0.090	0.040	<1	--	<15	3	--	<10
JUN									
23...	1320	0.080	0.010	--	3	<15	1	--	<10
JUL									
21...	1230	0.090	0.040	<1	2	<15	2	<0.50	10
AUG									
18...	1250	0.070	--	<1	<1	<15	4	--	<10
SEP									
22...	1215	0.040	0.030	1	<1	<15	--	--	<10

WHITE RIVER BASIN

07055569 CROOKED CREEK NEAR HARRISON, ARK.

LOCATION.--Lat 36°14'38", long 93°04'38", in SE ¼ NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT									
21...	1305	9827	9827	--	16.0	--	9.2	0.5	<4
NOV									
24...	1255	9827	9827	7.90	10.0	3.0	10.7	0.5	--
DEC									
29...	1420	9827	9827	8.02	8.0	2.5	12.7	0.7	<4
JAN									
27...	1300	9827	9827	7.96	8.0	4.0	9.2	1.3	<4
FEB									
24...	1300	9827	9827	8.06	11.0	5.5	11.1	0.9	<4
MAR									
24...	1300	9827	9827	7.87	12.0	25	10.0	2.0	100
APR									
21...	1400	9827	9827	7.97	20.0	4.3	--	2.0	<10
MAY									
26...	1235	9827	9827	7.45	21.0	30	8.6	1.9	<10
JUN									
23...	1335	9827	9827	7.88	24.0	15	7.2	1.3	200
JUL									
21...	1250	9827	9827	7.96	25.0	9.4	7.8	3.1	88
AUG									
18...	1300	9827	9827	7.80	--	6.6	6.9	--	4
SEP									
22...	1230	9827	9827	7.87	18.0	9.5	8.0	1.1	<4
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+N03 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									
21...	1305	180	--	14	245	6	2.50	0.150	0.20
NOV									
24...	1255	190	6.0	13	240	3	2.60	0.130	0.20
DEC									
29...	1420	160	7.0	13	225	0	2.40	0.800	0.80
JAN									
27...	1300	160	8.0	11	211	3	1.80	--	2.2
FEB									
24...	1300	140	6.0	9.5	198	5	1.90	0.530	0.20
MAR									
24...	1300	92	7.0	6.0	125	18	0.990	0.130	<0.10
APR									
21...	1400	150	8.0	7.5	188	5	1.60	--	0.60
MAY									
26...	1235	140	5.0	7.5	189	27	1.90	0.240	0.90
JUN									
23...	1335	160	7.0	12	218	23	2.10	0.330	0.60
JUL									
21...	1250	170	4.0	13	221	19	2.30	--	2.3
AUG									
18...	1300	170	--	17	249	11	2.50	--	0.90
SEP									
22...	1230	180	6.0	12	--	13	2.00	0.120	0.10

WHITE RIVER BASIN

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07055569 CROOKED CREEK NEAR HARRISON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
21...	1305	0.680	0.550	<1	<1	<15	--	--	<10
NOV									
24...	1255	0.660	0.580	<1	<1	<15	<1	--	<10
DEC									
29...	1420	0.780	0.740	--	2	23	1	--	40
JAN									
27...	1300	0.650	0.630	<1	1	<15	<1	--	10
FEB									
24...	1300	0.180	0.170	<1	<1	<15	<1	--	<10
MAR									
24...	1300	0.150	0.100	--	<1	<15	--	--	10
APR									
21...	1400	0.470	0.420	--	--	--	<1	--	--
MAY									
26...	1235	0.300	0.250	<1	--	<15	5	--	<10
JUN									
23...	1335	0.470	0.390	--	3	<15	3	--	10
JUL									
21...	1250	0.700	0.620	1	2	20	10	<0.50	10
AUG									
18...	1300	0.740	--	<1	<1	<15	2	--	10
SEP									
22...	1230	0.520	0.450	<1	<1	<15	--	--	10

WHITE RIVER BASIN

07055608 CROOKED CREEK AT YELLVILLE, ARK.

LOCATION.--Lat 36°13'23", long 92°40'47", in NW ¼ NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
07.	1100	9827	9827	8.22	18.0	2.5	9.2	1.5	48
28.	1435	9827	9827	8.08	17.0	1.0	11.7	1.4	--
DEC									
09.	1200	9827	9827	8.36	8.0	2.0	11.1	1.2	36
JAN									
13.	1130	9827	9827	8.29	6.0	1.5	12.9	0.9	--
FEB									
10.	1103	9827	9827	8.34	7.0	1.0	13.3	1.5	16
MAR									
10.	1115	9827	9827	8.34	8.0	1.2	12.7	1.6	20
APR									
07.	1115	9827	9827	8.36	13.0	1.1	13.1	0.5	36
MAY									
12.	1210	9827	9827	8.18	23.0	1.5	10.1	0.9	72
JUN									
09.	1245	9827	9827	8.31	27.0	1.8	10.3	2.4	330
JUL									
21.	1300	9827	9827	8.25	30.0	3.8	9.7	3.9	60
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)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
07.	1100	140	9.0	--	--	5	--	0.010	0.010
28.	1435	160	8.0	7.0	196	1	0.190	0.010	0.010
DEC									
09.	1200	170	--	6.0	181	2	--	0.010	0.020
JAN									
13.	1130	180	7.0	6.5	198	1	0.990	0.020	0.010
FEB									
10.	1103	170	--	7.5	184	1	0.310	0.040	--
MAR									
10.	1115	180	3.0	6.5	207	2	0.980	0.010	0.010
APR									
07.	1115	160	6.0	--	160	3	0.310	0.020	0.010
MAY									
12.	1210	160	4.0	7.5	184	4	0.190	0.060	0.010
JUN									
09.	1245	150	5.0	5.0	196	3	--	<0.010	0.030
JUL									
21.	1300	130	3.0	7.0	153	9	--	0.020	0.090

WHITE RIVER BASIN

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07055608 CROOKED CREEK AT YELLVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
07.	1100	--	<1	2	<15	1	--	<10
28.	1435	0.020	<1	--	<15	1	--	<10
DEC								
09.	1200	0.030	<1	--	<15	3	--	--
JAN								
13.	1130	<0.010	<1	1	<15	<1	--	--
FEB								
10.	1103	<0.010	<1	<1	<15	<1	--	<10
MAR								
10.	1115	0.010	<1	<1	--	--	--	--
APR								
07.	1115	<0.010	--	<1	<15	4	--	20
MAY								
12.	1210	<0.010	--	<1	<15	<1	--	<10
JUN								
09.	1245	0.010	--	--	<15	<1	--	--
JUL								
21.	1300	--	<1	--	--	1	0.50	--

WHITE RIVER BASIN

07056000 BUFFALO RIVER NEAR ST. JOE, AR

LOCATION.--Lat 35°59'02", long 92°44'44", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ 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 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.--48 years, 1,025 ft³/s, 16.79 in/yr, 742,600 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)
Feb. 16	0915	*19,200	*18.45	Mar. 18	0930	15,900	16.92

Minimum discharge, 23 ft³/s Sept. 9, 10, gage height, 2.62 ft.DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	66	60	70	219	6850	941	264	801	85	42	R36
2	42	65	58	70	239	3790	852	248	668	82	41	36
3	40	65	58	76	279	2490	769	283	554	80	39	35
4	42	73	59	78	368	1830	692	278	462	76	39	33
5	43	78	59	80	353	1450	629	223	385	74	39	31
6	43	79	59	83	325	1220	583	209	318	72	38	29
7	43	190	62	82	303	1050	548	194	272	69	36	28
8	44	246	65	83	283	921	519	185	237	68	33	26
9	45	208	70	105	263	820	488	260	209	66	32	25
10	45	184	77	495	246	725	461	268	186	64	37	27
11	46	177	116	986	235	641	440	235	173	62	33	27
12	69	164	145	679	223	571	421	211	169	59	30	28
13	70	146	165	517	212	520	412	193	159	57	30	29
14	78	135	157	437	226	481	471	180	150	54	30	36
15	90	129	146	388	3210	453	651	167	145	53	29	83
16	91	121	135	345	15300	431	643	162	144	50	30	73
17	85	113	123	313	6420	545	604	157	138	48	28	57
18	79	105	114	312	3240	11100	562	156	129	47	26	51
19	76	96	107	395	2200	4880	531	152	127	45	27	51
20	74	91	102	595	1710	2890	498	145	135	42	29	52
21	73	84	97	514	1400	2090	465	140	140	40	30	53
22	71	79	95	446	1200	1650	435	136	138	37	31	52
23	73	76	93	400	1040	1410	413	133	132	35	32	50
24	76	70	89	366	902	5360	393	1020	126	34	32	49
25	74	71	86	334	784	3980	374	2120	119	34	30	48
26	74	70	82	309	715	2610	355	1640	111	33	29	46
27	74	66	79	288	809	1990	335	1050	103	38	30	44
28	73	65	77	268	2510	1610	312	1570	98	42	30	42
29	71	61	75	253	---	1370	292	1360	92	42	32	40
30	69	59	73	232	---	1210	276	1310	88	44	34	35
31	67	---	72	218	---	1060	---	1030	---	43	36	---
TOTAL	1983	3232	2855	9817	45214	67998	15365	15679	6708	1675	1014	1252
MEAN	64.0	108	92.1	317	1615	2193	512	506	224	54.0	32.7	41.7
MAX	91	246	165	986	15300	11100	941	2120	801	85	42	83
MIN	40	59	58	70	212	431	276	133	88	33	26	25
AC-FT	3930	6410	5660	19470	89680	134900	30480	31100	13310	3320	2010	2480
CFSM	.08	.13	.11	.38	1.95	2.65	.62	.61	.27	.07	.0	.05
IN.	.09	.15	.13	.44	2.03	3.05	.69	.70	.30	.08	.0	.06

CAL YR 1986 TOTAL 186279 MEAN 510 MAX 18200 MIN 35 AC-FT 369500 CFSM .62 IN. 8.36
WTR YR 1987 TOTAL 172792 MEAN 473 MAX 15300 MIN 25 AC-FT 342700 CFSM .57 IN. 7.75

WHITE RIVER BASIN

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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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
07.	0950	9827	9827	8.17	20.0	2.0	8.5	1.3	10
28.	1345	9827	9827	8.01	17.0	1.0	10.7	1.6	--
DEC									
09.	1245	9827	9827	8.28	10.0	2.0	11.0	0.9	4
JAN									
13.	1030	9827	9827	8.03	7.0	15	11.9	1.9	--
FEB									
10.	1015	9827	9827	8.15	8.0	1.0	12.3	0.7	<4
MAR									
10.	1030	9827	9827	8.06	9.0	2.0	11.2	1.1	8
APR									
07.	1300	9827	9827	8.54	14.0	1.3	12.8	0	<4
MAY									
12.	1315	9827	9827	8.17	24.0	2.5	10.0	2.1	6
JUN									
09.	1350	9827	9827	8.38	28.0	2.4	9.3	2.0	44
JUL									
21.	1400	9827	9827	8.72	30.0	2.3	11.8	2.0	4
AUG									
11.	1245	9827	9827	8.05	29.0	1.7	9.6	1.6	12
SEP									
08.	1345	9827	9827	8.07	26.0	1.0	--	1.7	4
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)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
07.	0950	120	7.0	--	--	3	--	0.020	0.010
28.	1345	130	7.0	3.0	158	<1	0.080	0.060	0.020
DEC									
09.	1245	130	--	3.0	129	0	--	0.010	0.020
JAN									
13.	1030	86	6.0	3.0	113	7	0.170	0.040	0.030
FEB									
10.	1015	90	--	2.5	114	1	0.110	0.020	--
MAR									
10.	1030	82	3.0	2.5	110	1	0.160	0.020	0.010
APR									
07.	1300	86	6.0	--	85	4	0.070	0.020	0.010
MAY									
12.	1315	110	4.0	5.0	132	3	0.070	0.030	0.010
JUN									
09.	1350	94	4.0	2.5	127	3	--	<0.010	0.020
JUL									
21.	1400	100	2.0	2.0	118	3	--	0.040	0.060
AUG									
11.	1245	110	3.0	3.5	111	3	--	0.010	0.010
SEP									
08.	1345	110	--	3.0	142	7	0.040	<0.010	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
07.	0950	--	<1	<1	<15	1	--	10
28.	1345	0.020	<1	--	<15	1	--	<10
DEC								
09.	1245	0.020	<1	--	<15	1	--	--
JAN								
13.	1030	0.010	<1	<1	<15	<1	--	--
FEB								
10.	1015	<0.010	1	<1	<15	1	--	10
MAR								
10.	1030	<0.010	<1	<1	--	--	--	--
APR								
07.	1300	<0.010	--	<1	<15	1	--	10
MAY								
12.	1315	0.010	--	1	18	3	--	<10
JUN								
09.	1350	<0.010	--	--	<15	<1	--	--
JUL								
21.	1400	--	<1	--	--	1	<0.50	--
AUG								
11.	1245	<0.010	<1	<1	27	1	--	10
SEP								
08.	1345	<0.010	<1	<1	<15	--	--	<10

WHITE RIVER BASIN

135

07057310 HICKS CREEK NEAR MOUNTAIN HOME, ARK.

LOCATION.--Lat 36°17'32", long 92°22'34", in NE ¼ NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT									
07...	1330	9827	9827	7.90	18.0	2.5	7.5	>7.5	46
28...	1045	9827	9827	7.74	15.0	1.5	4.3	5.6	--
DEC									
09...	1030	9827	9827	8.04	10.0	70	8.6	8.1	6
JAN									
13...	1230	9827	9827	8.15	7.0	15	11.6	4.1	--
FEB									
10...	1200	9827	9827	8.10	8.0	3.0	12.3	6.7	<4
MAR									
10...	1300	9827	9827	8.19	8.0	1.8	11.6	5.0	<4
APR									
07...	1030	9827	9827	8.12	12.0	1.9	10.3	2.0	24
MAY									
12...	1040	9827	9827	7.88	20.0	3.0	4.7	8.4	60
JUN									
09...	1115	9827	9827	7.83	22.0	7.5	3.5	7.2	64
JUL									
21...	1110	9827	9827	7.95	25.0	3.9	4.7	6.0	100
AUG									
11...	1100	9827	9827	7.69	26.0	2.6	3.5	6.0	28
SEP									
08...	1550	9827	9827	7.68	25.0	4.5	--	6.8	48

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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
07...	1330	210	30	--	--	5	--	2.60	4.6
28...	1045	230	33	42	392	4	2.20	3.80	3.3
DEC									
09...	1030	150	--	10	216	63	--	0.960	1.2
JAN									
13...	1230	260	24	22	304	19	1.40	1.20	0.50
FEB									
10...	1200	250	--	44	374	3	2.00	3.50	4.5
MAR									
10...	1300	260	23	18	305	3	1.40	0.930	--
APR									
07...	1030	240	25	--	281	4	1.80	1.00	0.90
MAY									
12...	1040	240	23	43	364	4	1.30	3.60	3.7
JUN									
09...	1115	230	22	42	370	17	--	3.40	3.3
JUL									
21...	1110	230	20	72	389	8	--	4.70	4.9
AUG									
11...	1100	210	21	68	360	5	--	6.30	6.3
SEP									
08...	1550	200	--	75	404	11	2.20	6.20	9.0

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
07...	1330	3.60	--	<1	1	<15	3	--	30
28...	1045	5.70	4.60	<1	--	<15	4	--	20
DEC									
09...	1030	0.560	0.470	<1	--	<15	15	--	--
JAN									
13...	1230	1.40	1.10	<1	2	<15	2	--	--
FEB									
10...	1200	--	3.10	<1	1	<15	3	--	20
MAR									
10...	1300	0.870	0.790	<1	<1	--	--	--	--
APR									
07...	1030	1.70	1.50	--	<1	<15	2	--	10
MAY									
12...	1040	4.20	3.90	--	2	<15	2	--	10
JUN									
09...	1115	4.50	4.00	--	--	<15	3	--	--
JUL									
21...	1110	4.50	--	<1	--	--	2	<0.50	--
AUG									
11...	1100	3.90	3.60	<1	1	37	2	--	30
SEP									
08...	1550	--	4.90	<1	<1	<15	--	--	20

WHITE RIVER BASIN

137

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CAC03) (00900)
OCT										
07...	1400	9827	9827	8.09	14.0	2.0	8.3	--	16	130
28...	1015	9827	9827	7.73	15.0	2.0	8.3	0.5	--	130
DEC										
09...	0945	9827	9827	8.17	11.0	2.0	9.5	1.0	20	140
JAN										
13...	1310	9827	9827	8.24	8.0	4.5	12.9	0.9	--	120
FEB										
10...	1245	9827	9827	8.52	9.0	1.5	14.0	0.8	<4	130
MAR										
10...	1330	9827	9827	8.21	8.0	1.9	11.5	1.0	12	120
APR										
07...	1000	9827	9827	8.15	9.0	2.4	10.7	0.3	4	120
MAY										
12...	1010	9827	9827	8.05	12.0	2.5	10.0	1.2	24	130
JUN										
09...	1045	9827	9827	8.22	15.0	0.90	9.6	0.1	32	130
JUL										
21...	1030	9827	9827	8.09	14.0	1.5	8.8	0.7	110	140
AUG										
11...	1030	9827	9827	7.97	23.0	1.5	8.2	1.0	50	150
SEP										
08...	1630	9827	9827	8.31	23.0	0.80	--	0.8	<4	140

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- 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)
OCT										
07...	1400	11	--	--	6	--	0.010	0.010	--	<1
28...	1015	8.0	5.0	163	3	0.560	<0.010	0.010	0.020	<1
DEC										
09...	0945	--	4.0	149	3	--	0.030	0.030	0.030	<1
JAN										
13...	1310	6.0	3.5	145	5	0.250	0.020	0.010	<0.010	<1
FEB										
10...	1245	--	4.5	148	3	0.060	0.040	--	<0.010	<1
MAR										
10...	1330	4.0	4.5	149	3	0.020	0.020	0.010	<0.010	<1
APR										
07...	1000	7.0	--	128	6	0.260	0.010	0.010	<0.010	--
MAY										
12...	1010	5.0	4.0	152	3	0.330	0.010	0.010	<0.010	--
JUN										
09...	1045	5.0	4.0	159	3	--	<0.010	0.020	<0.010	--
JUL										
21...	1030	4.0	4.5	148	3	--	0.040	0.050	--	<1
AUG										
11...	1030	6.0	5.0	145	<1	--	0.010	0.010	<0.010	<1
SEP										
08...	1630	--	4.5	164	<1	0.210	0.010	--	<0.010	<1

WHITE RIVER BASIN

07057370 WHITE RIVER NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY, TOTAL RECOVERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	BETA BENZENE HEXACHLORIDE TOTAL (UG/L) (39338)	DELTA BENZENE HEXACHLORIDE TOTAL (UG/L) (34259)
OCT 07...	1400	<1	<15	<1	--	10	<0.002	<0.01	<0.01	<0.01
28...	1015	--	<15	1	--	<10	--	--	--	--
DEC 09...	0945	--	<15	1	--	--	--	--	--	--
JAN 13...	1310	1	<15	<1	--	--	<0.002	<0.01	<0.01	<0.01
FEB 10...	1245	2	<15	<1	--	<10	--	--	--	--
MAR 10...	1330	<1	--	--	--	--	--	--	--	--
APR 07...	1000	<1	<15	1	--	20	<0.002	<0.01	<0.01	<0.01
MAY 12...	1010	<1	<15	<1	--	<10	--	--	--	--
JUN 09...	1045	--	<15	<1	--	--	--	--	--	--
JUL 21...	1030	--	--	2	<0.50	--	<0.002	<0.01	<0.01	<0.01
AUG 11...	1030	1	24	1	--	20	--	--	--	--
SEP 08...	1630	<1	<15	--	--	10	--	--	--	--

DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLORDANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)
OCT 07...	1400	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JAN 13...	1310	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
APR 07...	1000	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JUL 21...	1030	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06

DATE	TIME	ALACHLOR TOTAL RECOVER (UG/L) (77825)	MALATHION, TOTAL (UG/L) (39530)	CHLORPYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDEHYDE TOTAL (UG/L) (34366)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	TOXAPHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
OCT 07...	1400	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JAN 13...	1310	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
APR 07...	1000	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JUL 21...	1030	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3

DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METHOXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARATHION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
OCT 07...	1400	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JAN 13...	1310	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
APR 07...	1000	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JUL 21...	1030	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

WHITE RIVER BASIN

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07059500 NORFORK LAKE NEAR NORFORK, ARK.

LOCATION.--Lat 36°14'57", long 92°14'16", in SE ¼ sec.2, T.18 N., R.12 W., Baxter County, Hydrologic Unit 11010006, at dam on North Fork River, 4.3 mi northeast of Norfolk, 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
OCT									
14...	1615	80513	80020	0.0	334	8.55	20.0	8.5	5.20
14...	1616	80513	80020	10.0	334	8.51	20.0	8.6	--
14...	1618	80513	80020	20.0	334	8.52	19.5	8.6	--
14...	1620	80513	80020	30.0	335	8.48	19.5	8.5	--
14...	1622	80513	80020	40.0	337	8.45	19.5	8.4	--
14...	1624	80513	80020	50.0	337	8.45	19.5	8.4	--
14...	1625	80513	80020	51.0	359	7.75	17.5	4.0	--
14...	1626	80513	80020	52.0	361	7.65	16.0	3.6	--
14...	1627	80513	80020	55.0	362	7.64	15.0	3.4	--
14...	1628	80513	80020	57.0	360	7.65	14.0	3.3	--
14...	1629	80513	80020	60.0	360	7.66	13.0	3.4	--
14...	1630	80513	80020	70.0	360	7.66	12.0	3.3	--
14...	1632	80513	80020	80.0	363	7.63	11.0	2.7	--
14...	1634	80513	80020	90.0	363	7.60	10.5	2.2	--
14...	1636	80513	80020	100	370	7.59	10.0	2.1	--
14...	1638	80513	80020	110	368	7.57	10.0	1.6	--
14...	1640	80513	80020	120	371	7.54	10.0	1.0	--
14...	1641	80513	80020	130	375	7.50	9.5	0.4	--
14...	1642	80513	80020	140	374	7.50	9.5	0.3	--
14...	1643	80513	80020	150	377	7.49	9.5	0.2	--
14...	1644	80513	80020	153	377	7.49	9.5	0.2	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
NOV									
04...	1400	80513	80020	0.0	317	8.01	18.5	7.7	5.30
04...	1402	80513	80020	10.0	318	8.01	18.5	7.6	--
04...	1404	80513	80020	20.0	319	7.99	18.5	7.6	--
04...	1406	80513	80020	30.0	319	7.99	18.5	7.6	--
04...	1408	80513	80020	40.0	320	7.99	18.5	7.5	--
04...	1410	80513	80020	50.0	320	7.99	18.5	7.5	--
04...	1412	80513	80020	60.0	320	7.90	18.5	7.4	--
04...	1414	80513	80020	63.0	336	7.16	17.5	0.9	--
04...	1416	80513	80020	66.0	339	7.16	16.5	0.2	--
04...	1418	80513	80020	70.0	340	7.14	16.0	0.1	--
04...	1420	80513	80020	75.0	340	7.13	15.0	0.1	--
04...	1422	80513	80020	80.0	340	7.11	14.0	0.1	--
04...	1424	80513	80020	85.0	340	7.11	13.0	0.1	--
04...	1426	80513	80020	90.0	348	7.10	12.0	0.1	--
04...	1428	80513	80020	100	352	7.06	11.5	0.1	--
04...	1430	80513	80020	110	352	7.04	10.5	0.1	--
04...	1432	80513	80020	120	352	7.03	10.5	0.1	--
04...	1434	80513	80020	130	352	7.03	10.0	0.1	--
04...	1436	80513	80020	140	350	7.02	10.0	0.1	--
04...	1438	80513	80020	150	349	7.02	9.5	0.1	--
04...	1440	80513	80020	160	349	7.00	9.5	0.1	--
04...	1442	80513	80020	170	354	7.00	9.5	0.1	--

WHITE RIVER BASIN

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

		AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)		
DEC											
03...	1400	80513	80020	0.0	320	7.90	12.5	8.3	4.80		
03...	1402	80513	80020	10.0	323	7.96	12.5	8.0	--		
03...	1404	80513	80020	20.0	323	7.97	12.5	8.0	--		
03...	1406	80513	80020	30.0	323	7.97	12.5	7.9	--		
03...	1408	80513	80020	40.0	323	7.98	12.5	7.9	--		
03...	1410	80513	80020	50.0	323	7.99	12.5	7.9	--		
03...	1412	80513	80020	60.0	323	8.00	12.5	7.9	--		
03...	1414	80513	80020	70.0	323	8.01	12.5	7.9	--		
03...	1416	80513	80020	80.0	323	8.00	12.5	7.9	--		
03...	1418	80513	80020	90.0	323	8.02	12.5	8.1	--		
03...	1420	80513	80020	100	338	7.56	12.0	1.2	--		
03...	1422	80513	80020	110	338	7.49	11.0	0.2	--		
03...	1424	80513	80020	120	345	7.46	11.0	0.2	--		
03...	1426	80513	80020	130	343	7.46	10.5	0.2	--		
03...	1428	80513	80020	140	345	7.46	10.0	0.2	--		
03...	1430	80513	80020	150	345	7.46	10.0	0.2	--		
03...	1432	80513	80020	160	345	7.46	9.5	0.2	--		
03...	1434	80513	80020	163	355	7.46	9.5	0.2	--		
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
JAN											
07...	1130	80513	80020	0.0	329	8.08	9.0	9.8	3.00	0	--
07...	1131	80513	80020	3.00	329	8.09	9.0	9.4	--	--	--
07...	1133	80513	80020	10.0	329	8.09	9.0	9.3	--	--	--
07...	1135	80513	80020	20.0	329	8.07	9.0	9.2	--	--	--
07...	1137	80513	80020	25.0	330	8.10	9.0	9.1	--	--	1
07...	1139	80513	80020	30.0	330	8.11	9.0	8.9	--	--	--
07...	1141	80513	80020	40.0	330	8.11	9.0	8.9	--	--	--
07...	1143	80513	80020	50.0	330	8.11	9.0	8.9	--	--	--
07...	1145	80513	80020	60.0	330	8.11	9.0	8.8	--	--	--
07...	1147	80513	80020	70.0	330	8.11	9.0	8.8	--	--	--
07...	1149	80513	80020	80.0	330	8.11	9.0	8.8	--	--	--
07...	1151	80513	80020	90.0	332	8.11	9.0	8.8	--	--	--
07...	1153	80513	80020	100	332	8.11	9.0	8.7	--	--	2
07...	1155	80513	80020	110	330	8.11	9.0	8.8	--	--	--
07...	1157	80513	80020	120	330	8.11	9.0	8.7	--	--	--
07...	1159	80513	80020	130	330	8.11	9.0	8.7	--	--	--
07...	1201	80513	80020	140	331	8.11	9.0	8.7	--	--	--
07...	1203	80513	80020	150	333	8.11	9.0	8.7	--	--	--
07...	1205	80513	80020	160	333	8.14	9.0	8.5	--	--	--
DATE	TIME	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LITY WH WAT TOTAL 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)	
JAN											
07...	1131	--	--	--	--	0.100	<0.010	<0.010	2.50	<0.100	
07...	1137	0.50	0.9	180	176	0.100	<0.010	<0.010	--	--	
07...	1153	0.60	0.9	180	172	0.100	<0.010	<0.010	--	--	

WHITE RIVER BASIN

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07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
FEB									
05...	1130	80513	80020	0.0	323	8.20	7.5	12.1	3.20
05...	1132	80513	80020	10.0	324	8.21	7.5	11.8	--
05...	1134	80513	80020	20.0	326	8.25	7.5	11.7	--
05...	1136	80513	80020	30.0	326	8.26	7.5	11.6	--
05...	1138	80513	80020	40.0	326	8.20	7.0	11.0	--
05...	1140	80513	80020	50.0	327	8.21	7.0	10.9	--
05...	1142	80513	80020	60.0	327	8.24	7.0	10.9	--
05...	1144	80513	80020	70.0	328	8.25	7.0	11.0	--
05...	1146	80513	80020	80.0	327	8.27	7.0	11.0	--
05...	1148	80513	80020	90.0	333	8.28	7.0	11.0	--
05...	1150	80513	80020	100	335	8.29	7.0	11.0	--
05...	1152	80513	80020	110	333	8.28	7.0	11.0	--
05...	1154	80513	80020	120	333	8.28	7.0	11.0	--
05...	1156	80513	80020	130	337	8.29	7.0	11.0	--
05...	1158	80513	80020	140	335	8.28	7.0	10.9	--
05...	1200	80513	80020	150	338	8.26	7.0	10.8	--
05...	1202	80513	80020	160	340	8.23	7.0	10.4	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
MAR									
10...	1300	80513	80020	0.0	328	8.39	8.5	12.5	3.60
10...	1302	80513	80020	10.0	328	8.39	8.5	12.4	--
10...	1304	80513	80020	20.0	328	8.38	8.5	12.4	--
10...	1306	80513	80020	30.0	328	8.39	8.5	12.4	--
10...	1308	80513	80020	40.0	328	8.38	8.5	12.4	--
10...	1310	80513	80020	50.0	328	8.38	8.0	12.4	--
10...	1312	80513	80020	60.0	327	8.35	7.5	12.3	--
10...	1314	80513	80020	70.0	327	8.36	7.5	12.3	--
10...	1316	80513	80020	80.0	328	8.34	7.0	11.9	--
10...	1318	80513	80020	90.0	331	8.30	7.0	11.7	--
10...	1320	80513	80020	100	328	8.27	7.0	11.4	--
10...	1322	80513	80020	110	331	8.24	6.5	11.3	--
10...	1324	80513	80020	120	333	8.23	6.5	11.1	--
10...	1326	80513	80020	130	333	8.22	6.5	11.2	--
10...	1328	80513	80020	140	334	8.19	6.5	10.9	--
10...	1330	80513	80020	150	336	8.19	6.5	10.8	--
10...	1332	80513	80020	154	337	8.20	6.5	10.8	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
APR									
14...	1115	80513	80020	0.0	332	8.33	12.0	11.3	5.40
14...	1117	80513	80020	10.0	334	8.33	11.5	11.3	--
14...	1119	80513	80020	20.0	334	8.25	10.5	11.4	--
14...	1121	80513	80020	30.0	334	8.25	10.0	11.2	--
14...	1123	80513	80020	40.0	333	8.26	10.0	10.9	--
14...	1125	80513	80020	50.0	333	8.24	9.5	10.7	--
14...	1127	80513	80020	60.0	330	8.20	9.0	10.4	--
14...	1129	80513	80020	70.0	332	8.18	9.0	10.3	--
14...	1131	80513	80020	80.0	336	8.15	8.5	10.1	--
14...	1133	80513	80020	90.0	336	8.08	8.5	9.9	--
14...	1135	80513	80020	100	334	8.07	8.0	9.8	--
14...	1137	80513	80020	110	333	8.04	8.0	9.7	--
14...	1139	80513	80020	120	333	8.03	8.0	9.6	--
14...	1141	80513	80020	130	340	8.02	7.5	9.5	--
14...	1143	80513	80020	140	339	7.99	7.5	9.3	--
14...	1145	80513	80020	150	339	7.98	7.5	9.3	--
14...	1147	80513	80020	160	339	7.98	7.5	9.1	--
14...	1149	80513	80020	162	339	7.98	7.5	9.1	--

WHITE RIVER BASIN

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MAY								
06...	1245	80513	80020	0.0	317	8.56	21.0	10.6
06...	1246	80513	80020	3.00	319	8.55	21.0	10.5
06...	1248	80513	80020	10.0	319	8.53	20.5	10.5
06...	1250	80513	80020	19.0	319	8.55	20.0	10.4
06...	1252	80513	80020	20.0	320	8.56	18.5	11.7
06...	1254	80513	80020	21.0	325	8.58	17.0	12.1
06...	1256	80513	80020	24.0	328	8.58	16.5	12.2
06...	1258	80513	80020	25.0	328	8.58	16.0	11.9
06...	1300	80513	80020	26.0	330	8.57	15.0	11.7
06...	1302	80513	80020	29.0	329	8.55	14.0	11.6
06...	1304	80513	80020	30.0	330	8.52	13.5	11.3
06...	1306	80513	80020	33.0	331	8.48	12.5	10.8
06...	1308	80513	80020	40.0	331	8.39	11.5	10.3
06...	1310	80513	80020	50.0	331	8.31	10.5	9.8
06...	1312	80513	80020	60.0	332	8.29	10.0	9.7
06...	1314	80513	80020	70.0	332	8.26	10.0	9.6
06...	1316	80513	80020	80.0	334	8.23	9.5	9.4
06...	1318	80513	80020	90.0	336	8.17	9.0	9.1
06...	1320	80513	80020	100	336	8.16	9.0	9.0
06...	1322	80513	80020	110	336	8.12	8.5	8.8
06...	1324	80513	80020	120	336	8.10	8.5	8.6
06...	1326	80513	80020	130	336	8.08	8.0	8.5
06...	1328	80513	80020	140	337	8.07	8.0	8.4
06...	1330	80513	80020	150	338	8.04	8.0	8.0
06...	1332	80513	80020	157	339	8.02	8.0	7.8

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
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MAY								
06...	1245	2.60	0	--	--	--	--	--
06...	1258	--	--	4	1.0	1.1	180	35
06...	1320	--	--	2	0.40	0.3	190	37

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
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MAY								
06...	1246	--	--	<0.100	0.010	<0.010	1.80	<0.100
06...	1258	22	168	<0.100	0.010	<0.010	--	--
06...	1320	23	178	0.200	<0.010	<0.010	--	--

WHITE RIVER BASIN

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07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)
JUN							
09.	1215	80513	80020	0.0	313	8.60	28.0
09.	1216	80513	80020	3.00	313	8.59	27.0
09.	1218	80513	80020	10.0	312	8.62	26.0
09.	1220	80513	80020	20.0	313	8.60	26.0
09.	1222	80513	80020	22.0	313	8.59	25.5
09.	1224	80513	80020	23.0	314	8.60	24.0
09.	1226	80513	80020	24.0	317	8.59	23.5
09.	1228	80513	80020	25.0	317	8.61	22.0
09.	1230	80513	80020	26.0	319	8.62	21.0
09.	1232	80513	80020	28.0	320	8.62	20.0
09.	1234	80513	80020	29.0	321	8.60	19.0
09.	1236	80513	80020	30.0	324	8.57	18.5
09.	1238	80513	80020	32.0	326	8.57	17.5
09.	1240	80513	80020	34.0	328	8.58	16.5
09.	1242	80513	80020	35.0	333	8.54	15.0
09.	1244	80513	80020	38.0	332	8.46	14.5
09.	1246	80513	80020	40.0	333	8.40	13.5
09.	1248	80513	80020	45.0	336	8.28	12.5
09.	1250	80513	80020	50.0	335	8.24	11.5
09.	1252	80513	80020	60.0	334	8.20	11.0
09.	1254	80513	80020	70.0	337	8.17	10.5
09.	1256	80513	80020	80.0	337	8.13	10.0
09.	1258	80513	80020	90.0	339	8.08	9.5
09.	1300	80513	80020	100	340	8.06	9.5
09.	1302	80513	80020	110	342	8.02	9.0
09.	1304	80513	80020	120	346	7.99	9.0
09.	1306	80513	80020	130	346	7.95	9.0
09.	1308	80513	80020	140	346	7.95	8.5
09.	1310	80513	80020	150	346	7.89	8.5
09.	1312	80513	80020	160	348	7.77	8.5
09.	1314	80513	80020	164	355	7.65	8.5

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	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, ORTH0, TOTAL (MG/L AS P) (70507)
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JUN						
09.	1215	9.2	6.70	--	--	--
09.	1216	9.3	--	<0.100	0.020	<0.010
09.	1218	9.5	--	--	--	--
09.	1220	9.4	--	--	--	--
09.	1222	10.6	--	--	--	--
09.	1224	12.4	--	--	--	--
09.	1226	12.9	--	--	--	--
09.	1228	14.3	--	--	--	--
09.	1230	14.5	--	--	--	--
09.	1232	14.4	--	--	--	--
09.	1234	13.5	--	--	--	--
09.	1236	13.1	--	--	--	--
09.	1238	13.1	--	--	--	--
09.	1240	12.3	--	--	--	--
09.	1242	11.9	--	--	--	--
09.	1244	11.0	--	--	--	--
09.	1246	10.7	--	--	--	--
09.	1248	9.7	--	--	--	--
09.	1250	9.1	--	--	--	--
09.	1252	9.0	--	--	--	--
09.	1254	8.6	--	--	--	--
09.	1256	8.6	--	--	--	--
09.	1258	8.2	--	--	--	--
09.	1300	8.2	--	--	--	--
09.	1302	8.0	--	--	--	--
09.	1304	7.8	--	--	--	--
09.	1306	7.3	--	--	--	--
09.	1308	7.4	--	--	--	--
09.	1310	6.6	--	--	--	--
09.	1312	4.6	--	--	--	--
09.	1314	2.9	--	--	--	--

WHITE RIVER BASIN

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL								
14...	1400	80513	80020	0.0	304	8.32	28.0	8.4
14...	1401	80513	80020	3.00	304	8.32	28.0	8.3
14...	1403	80513	80020	10.0	304	8.35	28.0	8.4
14...	1405	80513	80020	20.0	305	8.35	28.0	8.4
14...	1407	80513	80020	30.0	304	8.36	27.5	8.4
14...	1409	80513	80020	31.0	307	8.36	27.5	10.9
14...	1411	80513	80020	32.0	315	8.36	23.5	15.2
14...	1413	80513	80020	34.0	315	8.38	22.5	15.2
14...	1415	80513	80020	36.0	312	8.38	21.5	15.0
14...	1417	80513	80020	38.0	314	8.37	20.5	14.0
14...	1419	80513	80020	39.0	316	8.38	20.0	13.8
14...	1421	80513	80020	40.0	317	8.38	19.0	13.4
14...	1423	80513	80020	41.0	317	8.39	18.5	13.2
14...	1425	80513	80020	42.0	320	8.38	17.5	12.4
14...	1427	80513	80020	43.0	325	8.37	16.5	11.6
14...	1429	80513	80020	44.0	326	8.33	15.5	10.8
14...	1431	80513	80020	45.0	328	8.25	15.0	10.0
14...	1433	80513	80020	47.0	328	8.12	14.0	8.9
14...	1435	80513	80020	50.0	328	8.06	13.5	8.2
14...	1437	80513	80020	53.0	330	7.97	12.5	7.8
14...	1439	80513	80020	57.0	330	7.94	11.5	7.3
14...	1441	80513	80020	60.0	330	7.92	11.5	7.3
14...	1443	80513	80020	70.0	331	7.87	10.5	7.0
14...	1445	80513	80020	80.0	332	7.86	10.0	6.9
14...	1447	80513	80020	90.0	331	7.84	10.0	6.7
14...	1449	80513	80020	100	333	7.82	9.5	6.5
14...	1451	80513	80020	110	339	7.78	9.5	6.2
14...	1453	80513	80020	120	340	7.74	9.0	5.8
14...	1455	80513	80020	130	343	7.68	9.0	5.4
14...	1457	80513	80020	140	344	7.65	9.0	4.7
14...	1459	80513	80020	150	343	7.59	8.5	3.7
14...	1501	80513	80020	160	341	7.53	8.5	2.7
14...	1503	80513	80020	165	339	7.51	8.5	2.2

DATE	TIME	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							
14...	1400	5.00	--	--	--	--	--
14...	1401	--	<0.100	0.010	<0.010	0.600	<0.100

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG								
12...	1200	80513	80020	0.0	307	8.40	30.5	7.6
12...	1201	80513	80020	3.00	308	8.39	30.5	7.6
12...	1203	80513	80020	10.0	308	8.37	30.0	7.7
12...	1205	80513	80020	20.0	308	8.37	30.0	7.7
12...	1207	80513	80020	25.0	319	8.36	29.0	11.2
12...	1209	80513	80020	26.0	319	8.36	29.0	11.3
12...	1211	80513	80020	27.0	322	8.34	28.5	11.8
12...	1213	80513	80020	30.0	327	8.32	27.0	12.8
12...	1215	80513	80020	31.0	327	8.32	26.0	13.6
12...	1217	80513	80020	32.0	324	8.30	25.0	13.7
12...	1219	80513	80020	33.0	324	8.32	24.0	14.1
12...	1221	80513	80020	34.0	323	8.32	23.0	14.0
12...	1223	80513	80020	36.0	322	8.32	22.0	13.7
12...	1225	80513	80020	37.0	323	8.31	21.5	13.5
12...	1227	80513	80020	39.0	325	8.31	20.5	12.8
12...	1229	80513	80020	40.0	325	8.28	19.5	12.2
12...	1231	80513	80020	42.0	329	8.26	18.5	11.3
12...	1233	80513	80020	44.0	331	8.25	17.5	10.5
12...	1235	80513	80020	45.0	330	8.21	16.5	10.2
12...	1237	80513	80020	47.0	335	8.12	16.0	9.1
12...	1239	80513	80020	50.0	337	8.00	15.0	8.1
12...	1241	80513	80020	53.0	337	7.89	14.0	6.9
12...	1243	80513	80020	56.0	337	7.82	13.0	6.1
12...	1245	80513	80020	60.0	337	7.82	12.0	6.2
12...	1247	80513	80020	65.0	339	7.83	11.5	6.3
12...	1249	80513	80020	70.0	339	7.81	11.0	6.1
12...	1251	80513	80020	80.0	338	7.79	10.5	5.8
12...	1253	80513	80020	90.0	337	7.75	10.0	5.3
12...	1255	80513	80020	100	342	7.77	10.0	5.6
12...	1257	80513	80020	110	345	7.73	9.5	5.2
12...	1259	80513	80020	120	349	7.67	9.5	4.5
12...	1301	80513	80020	130	348	7.62	9.5	3.8
12...	1303	80513	80020	140	350	7.60	9.0	3.4
12...	1305	80513	80020	150	351	7.55	9.0	2.3
12...	1307	80513	80020	160	347	7.50	9.0	1.5
12...	1309	80513	80020	163	356	7.46	9.0	0.7

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, O.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
------	------	--	---	---	---	---	---	---

AUG								
12...	1200	5.80	0	--	--	--	--	--
12...	1207	--	--	2	0.20	0.4	150	27
12...	1255	--	--	1	0.40	0.1	170	33

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINIT 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)
------	------	---	---	---	--	--	--	--

AUG								
12...	1201	--	--	<0.100	0.010	<0.010	0.500	<0.100
12...	1207	20	158	<0.100	0.010	<0.010	--	--
12...	1255	22	176	0.200	0.030	<0.010	--	--

WHITE RIVER BASIN

07059500 NORFORK LAKE NEAR NORFORK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP								
02...	1315	80513	80020	0.0	305	8.32	27.5	8.1
02...	1316	80513	80020	3.00	307	8.29	27.5	8.1
02...	1318	80513	80020	10.0	307	8.35	27.5	8.2
02...	1320	80513	80020	20.0	307	8.38	27.5	8.1
02...	1322	80513	80020	30.0	308	8.38	27.5	8.1
02...	1324	80513	80020	33.0	308	8.36	27.0	8.5
02...	1326	80513	80020	34.0	311	8.31	26.5	8.9
02...	1330	80513	80020	35.0	314	8.28	26.0	9.4
02...	1332	80513	80020	36.0	326	8.14	23.5	11.7
02...	1334	80513	80020	37.0	327	8.18	22.5	12.0
02...	1336	80513	80020	38.0	325	8.16	22.0	12.0
02...	1338	80513	80020	39.0	323	8.20	21.0	12.0
02...	1340	80513	80020	40.0	324	8.19	20.5	11.5
02...	1342	80513	80020	41.0	325	8.14	20.0	11.1
02...	1344	80513	80020	42.0	325	8.10	19.5	10.3
02...	1346	80513	80020	44.0	329	8.05	18.5	9.5
02...	1348	80513	80020	46.0	333	7.95	17.5	7.9
02...	1350	80513	80020	47.0	331	7.88	16.0	7.3
02...	1352	80513	80020	48.0	332	7.85	15.5	6.8
02...	1354	80513	80020	50.0	334	7.81	14.5	6.3
02...	1356	80513	80020	55.0	335	7.72	13.5	5.4
02...	1358	80513	80020	60.0	335	7.71	12.5	5.3
02...	1400	80513	80020	65.0	334	7.72	12.0	5.4
02...	1402	80513	80020	70.0	335	7.74	11.5	5.6
02...	1404	80513	80020	80.0	336	7.72	10.5	5.3
02...	1406	80513	80020	90.0	337	7.70	10.0	5.1
02...	1408	80513	80020	100	339	7.69	10.0	5.1
02...	1410	80513	80020	110	341	7.63	10.0	4.3
02...	1412	80513	80020	120	346	7.58	9.5	3.6
02...	1414	80513	80020	130	346	7.54	9.5	2.8
02...	1416	80513	80020	140	346	7.51	9.0	2.0
02...	1418	80513	80020	150	348	7.45	9.0	0.5
02...	1420	80513	80020	155	348	7.44	9.0	0.2

DATE	TIME	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							
02...	1315	5.80	--	--	--	--	--
02...	1316	--	<0.100	<0.010	<0.010	0.600	<0.100

WHITE RIVER BASIN

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

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

DRAINAGE AREA.--1,808 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 Norfork Reservoir.

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CW) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)
OCT										
07...	--	80513	80020	327	7.40	14.0	9.0	--	--	--
NOV										
04...	--	80513	80020	333	7.66	12.0	6.0	--	--	--
DEC										
03...	--	80513	80020	335	7.99	12.5	12.2	--	--	--
JAN										
07...	--	80513	80020	331	7.42	8.5	10.2	5	2	0.70
FEB										
05...	--	80513	80020	332	8.02	7.5	12.1	--	--	--
MAR										
10...	--	80513	80020	342	8.21	7.0	12.4	--	--	--
APR										
14...	--	80513	80020	335	8.13	8.5	11.2	--	--	--
MAY										
06...	--	80513	80020	350	8.54	13.0	15.4	13	4	0.40
JUN										
09...	--	80513	80020	346	8.64	14.5	17.5	--	--	--
JUL										
14...	--	80513	80020	341	7.87	11.5	9.6	--	--	--
AUG										
12...	--	80513	80020	343	7.83	11.5	7.8	37	1	0.40
SEP										
02...	--	80513	80020	341	7.83	12.5	10.5	--	--	--

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS AS (MG/L CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN									
07...	--	1.1	150	--	--	164	0.100	<0.010	0.020
MAY									
06...	--	1.6	180	37	22	176	0.100	0.090	0.060
AUG									
12...	--	1.2	160	31	19	176	0.200	0.020	<0.010

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- IDY (FTU) (00076)
OCT										
07...	1330	80513	80020	327	7.40	14.0	9.0	--	--	--
NOV										
04...	1330	80513	80020	333	7.66	12.0	6.0	--	--	--
DEC										
03...	1450	80513	80020	335	7.99	12.5	12.2	--	--	--
JAN										
07...	1030	80513	80020	331	7.42	8.5	10.2	5	2	0.70
FEB										
05...	1100	80513	80020	332	8.02	7.5	12.1	--	--	--
MAR										
10...	1245	80513	80020	342	8.21	7.0	12.4	--	--	--
APR										
14...	1200	80513	80020	335	8.13	8.5	11.2	--	--	--
MAY										
06...	1345	80513	80020	350	8.54	13.0	15.4	13	4	0.40
JUN										
09...	1330	80513	80020	346	8.64	14.5	17.5	--	--	--
JUL										
14...	1515	80513	80020	341	7.87	11.5	9.6	--	--	--
AUG										
12...	1315	80513	80020	343	7.83	11.5	7.8	37	1	0.40
SEP										
02...	1430	80513	80020	341	7.83	12.5	10.5	--	--	--

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL 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)
JAN									
07...	1030	1.1	150	--	--	164	0.100	<0.010	0.020
MAY									
06...	1345	1.6	180	37	22	176	0.100	0.090	0.060
AUG									
12...	1315	1.2	160	31	19	176	0.200	0.020	<0.010

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LOCATION.--Lat 36°06'58", long 92°08'35", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ 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.

WATER-DISCHARGE RECORDS

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

AVERAGE DISCHARGE.--48 years, 9,989 ft³/s, 7,237,000 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, 35,900 ft³/s Mar. 26, gage height, 12.86 ft; minimum daily, 640 ft³/s Dec. 28.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5520	4120	9160	2620	2250	25300	20500	5220	9850	2830	9800	1010
2	8210	11200	10900	1110	1050	21800	16600	5160	9080	2310	4590	1190
3	8430	3370	9420	1310	3500	12400	16600	3210	7280	3140	5530	1580
4	9500	4340	10100	1320	2380	19900	15800	4040	2560	2540	7680	2330
5	2910	6610	11400	2020	1680	20500	5980	7570	3720	2470	1770	6000
6	1670	4130	10700	1820	2220	20300	6540	7770	5290	3010	1630	3190
7	6180	4080	2380	2540	1990	17700	15900	6560	3000	8060	5840	1480
8	7480	3160	2950	1930	1860	15200	13800	8220	5690	2960	10600	1280
9	5430	2930	4810	1460	1630	15200	12400	7790	8780	1960	6160	2930
10	4580	4070	6110	2410	1820	16900	12600	3060	2670	4900	1830	3630
11	6110	15800	5780	2040	2120	18600	10400	7050	2490	4480	1730	2650
12	5360	15600	5010	3980	3660	17900	9980	14900	4910	3920	7000	5060
13	3780	20100	5380	4140	2770	16300	13700	15800	10700	1340	3150	2250
14	6510	12300	6520	3360	1900	14000	18700	17500	10100	2820	1260	1130
15	3970	5520	7130	2100	1820	8890	20600	15400	10100	2180	3250	5650
16	5850	1840	9790	1730	12600	13100	17200	11700	7320	4190	2690	3170
17	5320	1020	4480	2220	24500	16200	17300	3400	8530	3630	1920	4680
18	2520	3910	6370	2060	13700	17400	13600	4300	4750	2670	3530	3030
19	3800	5160	10100	1580	10300	21400	14100	17200	5460	2770	2370	1380
20	2310	8510	11900	1520	7770	16200	13400	15000	5280	3090	1740	1320
21	3210	3670	3440	2580	6550	15700	17200	12700	2740	12400	5120	1470
22	2160	7560	2810	3130	5120	16300	10900	15000	3510	7270	5420	1450
23	3610	1870	3830	2580	4700	18800	3440	2120	4720	4050	1410	1770
24	2690	3490	2910	6930	7050	23100	15500	2680	2500	6580	1320	2910
25	4190	7110	927	3610	15500	30200	9910	2880	2640	9460	1580	5140
26	2520	8590	703	3940	15200	29700	9230	6420	5280	9110	4680	2600
27	2630	6110	667	9070	14500	26200	4000	13200	4020	4740	1770	1770
28	5230	2260	640	8220	18100	24900	7460	10300	2470	5460	1100	3600
29	5290	2590	647	6120	---	25300	2350	13400	1940	5840	1510	9920
30	6400	6020	1420	6020	---	24900	7300	9440	6210	6650	1690	2720
31	6920	---	1500	5550	---	22600	---	4900	---	10400	1200	---
TOTAL	150290	187040	169884	101020	188240	602890	372990	273890	163590	147230	110870	88190
MEAN	4848	6235	5480	3259	6723	19450	12430	8835	5453	4749	3576	2940
MAX	9500											

CAL YR 1986	TOTAL 3286440	MEAN 9004	MAX 38800	MIN 640	AC-FT 6519000
WTR YR 1987	TOTAL 2556120	MEAN 7003	MAX 30200	MIN 640	AC-FT 5070000

WHITE RIVER BASIN

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT SATUR- ATION) (MG/L) (00301)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
NOV											
24...	1230	80513	80020	9070	277	7.85	11.0	10.7	97	1.5	763
DEC											
15...	1230	80513	80020	6780	287	7.85	9.5	10.2	89	0.5	765
MAR											
17...	1145	80513	80020	4400	264	8.50	8.5	10.2	89	0.6	747
MAY											
27...	1158	80513	80020	9600	260	8.00	13.0	10.4	99	0.8	758
JUL											
28...	1400	80513	80020	8570	275	8.04	19.0	10.2	110	0.9	760
AUG											
27...	1115	80513	80020	1810	292	8.35	18.0	9.0	96	1.0	758
DATE	TIME	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS NONCARB WH WAT TOT FLD 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											
24...	1230	7	15	140	0	39	10	2.9	4	0.1	1.9
DEC											
15...	1230	10	25	140	5	37	12	2.8	4	0.1	2.0
MAR											
17...	1145	8	60	130	4	34	10	3.4	6	0.1	0.60
MAY											
27...	1158	K9	96	140	13	36	11	3.3	5	0.1	0.40
JUL											
28...	1400	110	200	150	10	37	13	2.8	4	0.1	1.4
AUG											
27...	1115	30	120	150	1	37	13	3.7	5	0.1	0.50
DATE	TIME	ALKA- LITY WH WAT TOTAL 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)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, DIS- 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											
24...	1230	140	8.1	4.5	<0.10	<0.010	0.210	<0.010	<0.010	--	0.20
DEC											
15...	1230	137	7.4	4.6	<0.10	<0.010	0.160	0.020	<0.010	0.78	0.80
MAR											
17...	1145	122	8.1	4.2	0.10	<0.010	0.180	<0.010	<0.010	--	0.60
MAY											
27...	1158	122	<5.0	3.7	<0.10	<0.010	0.240	<0.010	0.010	--	0.60
JUL											
28...	1400	136	9.1	5.7	0.10	<0.010	0.290	<0.010	0.020	--	0.50
AUG											
27...	1115	145	6.0	3.8	0.10	<0.010	0.210	<0.010	<0.010	--	0.80

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

DATE	TIME	PHOS-	PHOS-	PHOS-	ARSENIC	BORON,	CADMIUM	CHRO-	COBALT,	COPPER,
		PHORUS,	PHORUS,	PHORUS,				MIUM,	TOTAL	TOTAL
		TOTAL	DIS-	DIS-				TOTAL	DIS-	RECOV-
(MG/L	(MG/L	(MG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	
AS P)	AS P)	AS P)	AS AS)	AS B)	AS CD)	AS CR)	AS CO)	AS CU)		
(00665)	(00666)	(00671)	(01002)	(01020)	(01027)	(01034)	(01037)	(01042)		
NOV 24...	1230	0.050	--	--	--	20	--	--	--	--
DEC 15...	1230	<0.010	0.180	0.160	--	20	--	--	--	--
MAR 17...	1145	0.010	0.010	<0.010	--	20	--	--	--	--
MAY 27...	1158	0.020	0.020	<0.010	--	20	--	--	--	--
JUL 28...	1400	0.010	0.020	0.010	<1	<10	<1	<1	<1	4
AUG 27...	1115	0.030	0.010	<0.010	--	20	--	--	--	--

[illegible]

WHITE RIVER BASIN

07060590 MILL CREEK NEAR MELBOURNE, ARK.

LOCATION.--Lat 36°03'13", long 91°54'58", in SE ¼ NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT									
07...	0820	9827	9827	7.73	16.0	3.5	5.4	1.9	1100
28...	0750	9827	9827	7.75	13.0	2.0	6.3	2.5	--
DEC									
09...	0750	9827	9827	7.59	11.0	--	7.9	5.2	3600
JAN									
13...	0755	9827	9827	7.86	6.0	3.5	8.4	2.3	--
FEB									
10...	0830	9827	9827	8.04	6.0	4.0	--	0.3	26
MAR									
10...	0820	9827	9827	7.97	9.0	2.9	10.4	0.6	14
APR									
07...	0828	9827	9827	7.61	12.0	4.0	9.4	0.2	16
MAY									
12...	0830	9827	9827	7.88	19.0	4.0	8.0	1.0	600
JUN									
09...	0820	9827	9827	7.80	20.0	2.6	7.2	0.7	200
JUL									
07...	0825	9827	9827	7.49	22.0	2.8	7.4	1.4	130
AUG									
11...	0817	9827	9827	7.85	22.0	2.4	6.0	1.8	270
SEP									
08...	1030	9827	9827	7.40	21.0	25	--	3.3	>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)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
07...	0820	180	7.0	22	245	7	1.40	--	0.80
28...	0750	190	--	25	271	3	--	--	1.5
DEC									
09...	0750	110	--	14	181	--	--	0.570	0.10
JAN									
13...	0755	210	6.0	9.0	237	3	1.40	0.340	<0.10
FEB									
10...	0830	200	3.0	6.0	223	4	1.20	0.080	<0.10
MAR									
10...	0820	180	3.0	6.0	210	3	1.20	0.100	<0.10
APR									
07...	0828	180	5.0	6.0	193	7	1.10	0.150	0.50
MAY									
12...	0830	190	3.0	6.5	213	5	1.10	0.080	0.20
JUN									
09...	0820	180	2.0	6.0	218	3	1.00	0.020	0.50
JUL									
07...	0825	180	<1.0	8.0	217	5	1.00	0.070	0.90
AUG									
11...	0817	190	1.0	8.0	197	1	1.10	0.080	0.30
SEP									
08...	1030	110	--	6.0	140	23	0.710	0.050	0.80

07060590 MILL CREEK NEAR MELBOURNE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
07...	0820	0.280	0.270	<1	<1	<15	1	--	20
28...	0750	0.450	0.320	<1	<1	<15	<1	--	20
DEC									
09...	0750	0.530	--	<1	--	110	--	--	40
JAN									
13...	0755	0.210	0.120	<1	--	--	<1	--	--
FEB									
10...	0830	0.040	0.010	--	1	<15	1	--	70
MAR									
10...	0820	0.020	<0.010	<1	<1	<15	--	--	--
APR									
07...	0828	0.030	<0.010	<1	<1	<15	1	--	--
MAY									
12...	0830	0.030	0.020	--	1	<15	<1	--	10
JUN									
09...	0820	0.040	0.020	--	--	<15	<1	--	30
JUL									
07...	0825	0.040	0.010	<1	<1	<15	5	<0.50	30
AUG									
11...	0817	--	--	--	<1	17	<1	--	30
SEP									
08...	1030	--	0.040	1	<1	<15	--	--	20

WHITE RIVER BASIN

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

LOCATION.--Lat 35°59'30", long 92°12'50", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ 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.--No estimated daily discharges. Water-discharge records good.

AVERAGE DISCHARGE.--21 years, 46.7 ft³/s, 10.92 in/yr, 33,830 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 2,900 ft³/s and maximum (*): peak above base of 2,800 ft³/s; minimum daily, 3.0 ft³/s Aug. 1, 2.

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 28	1345	*982	*5.36				

Minimum discharge, 2.1 ft³/s Sept. 6.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	5.5	7.0	6.0	9.8	175	24	11	192	7.8	3.4	2.8
2	9.3	5.5	7.5	6.0	22	78	22	10	83	7.6	3.4	2.6
3	7.3	5.5	7.4	6.2	21	49	20	50	47	7.6	3.5	2.6
4	5.9	6.3	6.8	6.9	16	30	19	60	32	7.3	3.6	2.4
5	5.2	10	6.6	7.3	13	22	18	26	24	7.1	4.4	2.4
6	4.7	11	6.3	7.8	11	20	18	21	20	6.8	3.7	2.3
7	4.5	9.2	6.6	7.8	10	17	17	16	18	6.3	3.5	2.3
8	4.4	8.0	9.2	7.8	9.5	16	17	14	17	6.1	3.4	2.3
9	4.3	6.7	23	11	8.8	16	16	12	16	5.7	3.2	2.3
10	4.3	6.4	19	23	8.4	14	15	11	15	5.7	3.1	2.3
11	4.5	6.6	13	19	8.4	13	15	10	14	5.5	3.1	2.3
12	4.8	6.9	11	14	8.2	12	15	9.7	14	5.2	3.0	2.3
13	5.2	6.8	9.6	12	8.1	11	36	10	13	6.2	2.9	2.4
14	5.1	6.3	8.9	11	14	11	195	9.7	13	6.3	2.9	2.4
15	4.8	6.3	8.7	9.8	58	11	89	9.0	12	5.4	2.8	2.4
16	4.6	6.3	8.4	8.7	221	11	61	8.4	13	5.0	2.8	2.6
17	4.6	6.3	8.0	8.0	88	22	45	8.8	14	4.7	2.8	2.7
18	4.8	6.3	7.7	9.2	52	151	36	9.0	13	4.5	2.8	2.6
19	4.8	6.3	7.4	15	32	103	29	9.0	13	4.6	2.8	2.6
20	4.8	6.3	6.9	16	23	67	23	8.3	15	4.3	2.8	2.6
21	4.8	6.3	6.9	13	19	43	19	7.7	17	4.3	2.8	2.6
22	4.6	6.3	6.9	11	17	31	18	7.5	16	4.1	2.8	2.4
23	6.0	6.3	6.9	10	15	39	17	7.3	15	4.1	2.8	2.4
24	11	6.3	6.9	9.2	13	267	15	71	12	3.9	2.6	2.4
25	12	6.9	6.9	9.0	12	120	14	321	12	4.1	2.6	2.4
26	8.7	8.9	6.9	8.5	12	78	13	91	11	4.0	2.6	2.4
27	6.9	8.8	6.6	8.1	22	54	13	54	9.3	3.7	3.0	2.4
28	5.9	8.1	6.0	8.1	527	39	12	38	8.5	3.6	3.1	2.4
29	5.6	7.2	6.0	8.4	---	33	12	36	8.1	3.4	3.1	2.5
30	5.5	6.9	6.0	8.6	---	31	11	41	7.8	3.4	2.9	2.5
31	5.5	---	6.0	8.0	---	27	---	97	---	3.2	2.8	---
TOTAL	182.2	210.5	261.0	314.4	1279.2	1611	874	1094.4	714.7	161.5	95.0	73.6
MEAN	5.88	7.02	8.42	10.1	45.7	52.0	29.1	35.3	23.8	5.21	3.06	2.45
MAX	12	11	23	23	527	267	195	321	192	7.8	4.4	2.8
MIN	4.3	5.5	6.0	6.0	8.1	11	11	7.3	7.8	3.2	2.6	2.3
AC-FT	361	418	518	624	2540	3200	1730	2170	1420	320	188	146
CFSM	.10	.12	.14	.17	.79	.89	.50	.61	.41	.09	.05	.0
IN.	.12	.13	.17	.20	.82	1.03	.56	.70	.46	.10	.06	.0

CAL YR 1986	TOTAL 7871.0	MEAN 21.6	MAX 597	MIN 3.2	AC-FT 15610	CFSM .37	IN. 5.04
WTR YR 1987	TOTAL 6871.5	MEAN 18.8	MAX 527	MIN 2.3	AC-FT 13630	CFSM .32	IN. 4.40

WHITE RIVER BASIN

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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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
NOV 24.	1350	80513	80020	3.9	283	7.90	11.0	0.20	9.6	88	758
DEC 15.	1340	80513	80020	7.8	292	8.20	8.0	0.20	9.4	80	760
MAR 17.	1300	80513	80020	6.0	250	8.20	13.0	0.20	7.5	73	744
MAY 27.	1300	80513	80020	56	242	8.15	19.0	0.80	10.2	111	754
JUL 28.	1500	80513	80020	8.4	253	8.42	30.5	0.30	12.2	164	760
AUG 27.	1245	80513	80020	1.8	264	8.20	24.5	0.30	6.4	77	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 WH WAT TOT FLD MG/L AS CAC03 (00900)	HARD- NESS NONCARB WH WAT TOT FLD 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 24.	1350	2	6	150	1	48	6.7	1.9	3	0.1	1.3
DEC 15.	1340	10	37	150	3	50	6.6	1.8	2	0.1	0.90
MAR 17.	1300	3	43	130	7	43	5.6	1.9	3	0.1	0.40
MAY 27.	1300	5	43	130	9	42	5.2	1.9	3	0.1	0.10
JUL 28.	1500	K11	31	140	5	45	6.9	1.8	3	0.1	0.80
AUG 27.	1245	18	580	140	0	44	6.4	2.5	4	0.1	0.30
DATE	TIME	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	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)
NOV 24.	1350	146	0	180	6.0	2.4	<0.10	7.0	170	163	0.23
DEC 15.	1340	149	0	180	6.9	2.9	<0.10	7.0	145	167	0.20
MAR 17.	1300	124	0	150	7.1	4.3	0.20	6.0	138	145	0.19
MAY 27.	1300	117	0	150	6.0	3.4	<0.10	8.3	134	139	0.18
JUL 28.	1500	136	11	150	5.4	1.6	0.10	9.7	155	165	0.21
AUG 27.	1245	141	0	180	7.0	1.6	0.10	9.1	157	158	0.21

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	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)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	BIARIUM, DIS- SOLVED (UG/L AS BA) (01005)
NOV 24.	1350	<0.010	<0.100	<0.010	<0.010	--	0.20	0.250	<0.010	0.010	--
DEC 15.	1340	<0.010	<0.100	<0.010	<0.010	--	0.80	--	0.150	0.130	99
MAR 17.	1300	<0.010	<0.100	0.020	0.010	0.68	0.70	0.010	0.010	<0.010	88
MAY 27.	1300	<0.010	<0.100	0.010	0.040	0.49	0.50	0.010	0.020	<0.010	110
JUL 28.	1500	<0.010	0.170	<0.010	<0.010	--	0.40	0.020	0.020	<0.010	36
AUG 27.	1245	<0.010	<0.100	<0.010	<0.010	--	1.4	0.020	0.010	<0.010	--

DATE	TIME	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	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)
DEC 15.	1340	<10	<1	<0.5	<1	<1	<3	1	3	<5
MAR 17.	1300	<10	<1	<0.5	1	<1	<3	3	3	<5
MAY 27.	1300	20	<1	<0.5	<1	<1	<3	1	7	<5
JUL 28.	1500	10	<1	<0.5	3	4	<3	1	210	<5

DATE	TIME	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)	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)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L) (80020)
NOV 24.	1350	--	--	--	--	--	--	--	--	0.33
DEC 15.	1340	6	<1	<10	<1	<1	<1	41	30	--
MAR 17.	1300	6	3	<10	4	<1	<1	32	32	--
MAY 27.	1300	<4	4	<10	<1	<1	<1	35	83	--
JUL 28.	1500	<4	13	<10	<1	<1	<1	42	130	0.14

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WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

[illegible]

07061000 WHITE RIVER AT BATESVILLE, ARK

LOCATION.--Lat 35°45'35", long 91°38'28", in NE ¼ NW ¼ sec.21, T.13 N., R.6 W., Independence County, Hydrologic Unit 11010004, at bridge on U.S. Highway 167 in Batesville.

DRAINAGE AREA.--11,070 mi².

PERIOD OF RECORD.--July 1937 to September 1958, October 1986 to current year. Gage-height records collected at lower lock gage since 1904 are published in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 237.72 ft above National Geodetic Vertical Datum of 1929. Prior to Jan. 28, 1939, staff gage on upper lock wall of dam no. 1, 0.3 mi downstream at same datum.

REMARKS.--Water-discharge records good.

AVERAGE DISCHARGE.--22 years (water years 1937-58, 1986-87), 12,200 ft³/s, 8,839,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 324,000 ft³/s Apr. 16, 1945, gage height, 29.43 ft; minimum, 580 ft³/s Sept. 28, 1954; minimum daily, 592 ft³/s Sept. 28, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 31.1 ft, Feb. 1, 1916, at former site, observed by U.S. Army Corps of Engineers (discharge, 382,000 ft³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 43,700 ft³/s Mar. 1, gage height, 12.87 ft; minimum daily discharge, 1,050 ft³/s Dec. 30.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3980	6030	7650	1590	6860	40400	27500	8350	8150	5760	12900	1570
2	6770	6490	11200	3070	4920	34400	24500	8050	13300	e5200	10400	1130
3	7850	8700	9270	1790	2510	28500	21300	7850	12200	e5100	5850	1360
4	9380	3610	10300	1740	3980	18500	21500	7400	10200	e4500	8250	1790
5	7300	5090	12000	1760	3830	24700	20000	7300	e5000	e5300	8100	2640
6	3410	6390	11100	2270	2970	25700	9160	10400	e6300	e9700	2830	6630
7	2360	4460	8100	2360	3070	24900	9380	11100	6910	e7400	2330	4020
8	6580	4420	3580	2740	3100	21900	19300	9270	e5500	e3900	9380	2160
9	7050	3540	4020	3000	2930	19300	17600	10800	e8500	e4400	10200	1820
10	5550	3340	5640	2610	2330	19100	16100	10600	10600	3170	7750	3310
11	5340	8200	6680	3170	2480	21100	16300	5680	e5600	5980	2700	4590
12	6160	15300	6580	3070	2770	21800	13900	8250	e4900	6030	2510	3540
13	5510	15900	5980	4140	3980	21500	13000	e18000	e7500	5470	7750	5850
14	4380	22200	5300	5010	4420	20000	18300	e20000	12300	2580	4100	2970
15	6540	9600	7500	4750	3610	19100	23400	e21000	12000	3580	2130	2160
16	4840	1790	9210	3510	7300	12200	24700	e18000	12200	3370	3830	6630
17	5760	2610	7800	2740	21700	15900	21800	e14000	9880	5340	3340	3980
18	4840	1760	5010	2450	29700	26400	21800	e5800	10400	4800	2970	5810
19	3000	4020	8300	3310	18300	26300	17400	e7400	7150	3610	4100	3790
20	3980	7400	12400	2240	14400	26900	17800	e20000	7010	3680	3140	2070
21	2740	6540	8750	2360	11700	21700	18200	18100	7100	13400	2480	1630
22	3510	6210	4140	2930	9600	20900	20500	16700	e8800	10700	5760	1630
23	2670	5470	3310	3910	7800	20600	14700	17700	e5900	8550	6390	1790
24	4020	2580	4540	3580	7550	25400	6860	e4200	e5300	5720	2210	2270
25	3030	5220	3270	6540	11600	30500	17600	e5100	e7200	9660	1630	3610
26	4420	7550	1650	5590	18700	35300	14600	e5200	e8000	10800	1760	6030
27	3030	8300	1210	5050	20600	35100	12600	e9100	e3700	9830	5510	3240
28	2830	5550	1080	8800	26300	31200	6820	13300	e3500	6440	2550	2200
29	5940	2970	1080	9600	---	29500	9660	15000	e8400	7350	1550	4960
30	5640	3030	1050	7400	---	29900	5380	15000	e7000	7700	1550	8250
31	6720	---	1710	7250	---	29600	---	10800	---	10100	1930	---
TOTAL	155130	194270	189410	120330	259010	778300	501660	359450	240500	199120	147880	103430
MEAN	5004	6476	6110	3882	9250	25110	16720	11600	8017	6423	4770	3448
MAX	9380	22200	12400	9600	29700	40400	27500	21000	13300	13400	12900	8250
MIN	2360	1760	1050	1590	2330	12200	5380	4200	3500	2580	1550	1130
AC-FT	307700	385300	375700	238700	513700	1544000	995000	713000	477000	395000	293300	205200

WTR YR 1987 TOTAL 3248490 MEAN 8900 MAX 40400 MIN 1050 AC-FT 6443000

e Estimated

WHITE RIVER BASIN

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07061105 WHITE RIVER AT OIL TROUGH, ARK.

LOCATION.--Lat 35°38'36", long 92°27'42", in NW ¼ NE ¼ sec.30, T.12 N., R.4 W., Independence County, Hydrologic Unit 11010004, at Oil Trough Ferry on State Highway 122, and 0.8 mi north of Oil Trough.

DRAINAGE AREA.--11,234 mi².

PERIOD OF RECORD.--April 1974 to September 1983, October 1984 to September 1985.

REMARKS.--Flow regulated by upstream reservoirs.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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										
07...	1315	9827	9827	8.20	19.0	3.0	9.4	0.7	8	140
28...	1315	9827	9827	8.10	17.0	1.5	10.5	0.7	--	150
DEC										
09...	1100	9827	9827	7.94	11.0	--	10.0	1.9	530	110
JAN										
13...	1100	9827	9827	8.38	6.0	4.0	13.2	0.7	--	160
FEB										
10...	1350	9827	9827	8.47	10.0	3.5	--	0.6	4	150
MAR										
10...	1245	9827	9827	8.21	9.0	5.3	11.2	0.8	20	140
APR										
07...	1255	9827	9827	7.72	13.0	3.8	10.5	0.4	<4	150
MAY										
12...	1300	9827	9827	8.43	21.0	5.0	10.3	1.5	20	140
JUN										
09...	1300	9827	9827	8.53	26.0	2.7	10.3	1.3	4	150
JUL										
07...	1310	9827	9827	7.74	27.0	6.5	9.3	2.1	20	140
AUG										
11...	1235	9827	9827	8.16	24.0	3.5	9.4	2.5	4	150
SEP										
08...	1500	9827	9827	8.22	26.0	4.8	9.5	3.2	28	150

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 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 CO) (01027)
OCT										
07...	1315	10	4.0	158	5	0.520	--	0.040	0.060	<1
28...	1315	--	3.5	181	2	--	--	0.050	0.060	<1
DEC										
09...	1100	--	4.0	132	--	--	0.720	0.170	--	<1
JAN										
13...	1100	6.0	4.5	166	5	0.090	0.010	0.020	0.010	--
FEB										
10...	1350	3.0	3.5	177	5	0.050	0.020	0.020	<0.010	--
MAR										
10...	1245	5.0	3.5	162	11	0.230	0.080	0.040	<0.010	<1
APR										
07...	1255	6.0	4.0	148	9	0.250	0.010	0.030	<0.010	<1
MAY										
12...	1300	6.0	4.0	159	11	0.110	0.020	0.030	0.030	--
JUN										
09...	1300	5.0	3.5	170	9	0.020	<0.010	0.050	0.010	--
JUL										
07...	1310	1.0	4.5	175	12	0.140	0.030	0.040	<0.010	<1
AUG										
11...	1235	5.0	4.0	146	5	0.550	0.020	--	--	--
SEP										
08...	1500	--	4.5	179	15	0.150	0.020	0.040	0.020	<1

WHITE RIVER BASIN

07061105 WHITE RIVER AT OIL TROUGH, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	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)	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)
OCT										
07...	1315	<1	<15	1	--	10	<0.002	<0.01	<0.01	<0.01
28...	1315	<1	<15	<1	--	10	--	--	--	--
DEC										
09...	1100	--	<15	--	--	30	--	--	--	--
JAN										
13...	1100	--	--	<1	--	--	<0.002	<0.01	<0.01	<0.01
FEB										
10...	1350	3	<15	3	--	--	--	--	--	--
MAR										
10...	1245	<1	16	--	--	--	--	--	--	--
APR										
07...	1255	<1	<15	<1	--	--	<0.002	<0.01	<0.01	<0.01
MAY										
12...	1300	3	<15	<1	--	10	--	--	--	--
JUN										
09...	1300	--	12	<1	--	20	--	--	--	--
JUL										
07...	1310	<1	<15	2	0.60	10	--	--	--	--
AUG										
11...	1235	1	<15	<1	--	20	<0.002	<0.01	<0.01	<0.01
SEP										
08...	1500	<1	<15	--	--	20	--	--	--	--

DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)
OCT										
07...	1315	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JAN										
13...	1100	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
APR										
07...	1255	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
AUG										
11...	1235	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06

DATE	TIME	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	MALA- THION, TOTAL (UG/L) (39530)	CHLOR- PYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDE- HYDE TOTAL (UG/L) (34366)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
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OCT										
07...	1315	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JAN										
13...	1100	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
APR										
07...	1255	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
AUG										
11...	1235	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3

DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
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OCT										
07...	1315	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JAN										
13...	1100	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
APR										
07...	1255	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
AUG										
11...	1235	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

07061990 CLEARWATER LAKE AT CLEARWATER DAM, MO.

LOCATION.--Lat 37°08'12", long 90°46'23", in NW ¼ 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 1986 TO SEPTEMBER 1987

		AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)		
OCT											
07...	0830	80513	80020	0.0	259	8.60	22.0	9.0	1.40		
07...	0832	80513	80020	10.0	259	8.60	22.0	9.0	--		
07...	0834	80513	80020	20.0	259	8.50	22.0	9.1	--		
07...	0836	80513	80020	30.0	226	7.40	21.0	4.3	--		
07...	0838	80513	80020	38.0	220	7.30	20.5	2.3	--		
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)		
NOV											
03...	1620	80513	80020	0.0	275	8.13	15.5	9.5	0.70		
03...	1622	80513	80020	10.0	275	8.12	15.0	9.2	--		
03...	1624	80513	80020	20.0	275	8.06	15.0	8.8	--		
03...	1626	80513	80020	30.0	278	7.91	15.0	7.9	--		
03...	1628	80513	80020	38.0	279	7.77	15.0	6.3	--		
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)		
DEC											
02...	1615	80513	80020	0.0	272	8.16	8.0	11.2	0.82		
02...	1617	80513	80020	10.0	273	8.18	8.0	11.2	--		
02...	1619	80513	80020	20.0	274	8.19	8.0	11.2	--		
02...	1621	80513	80020	30.0	275	8.20	8.0	11.2	--		
02...	1623	80513	80020	34.0	275	8.20	8.0	11.1	--		
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
JAN											
06...	0915	80513	80020	0.0	246	8.32	4.0	12.8	1.20	0	--
06...	0916	80513	80020	3.00	246	8.28	4.0	12.7	--	--	--
06...	0918	80513	80020	7.00	247	8.29	4.0	12.7	--	--	3
06...	0920	80513	80020	10.0	249	8.31	4.0	12.6	--	--	--
06...	0922	80513	80020	20.0	250	8.29	4.0	12.6	--	--	--
06...	0924	80513	80020	28.0	251	8.29	4.0	12.6	--	--	2
06...	0926	80513	80020	30.0	251	8.31	4.0	12.6	--	--	--
06...	0928	80513	80020	35.0	254	8.32	4.0	12.6	--	--	--
DATE	TIME	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LITY 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)	
JAN											
06...	0916	--	--	--	--	0.100	<0.010	<0.010	1.60	<0.100	
06...	0918	1.5	0.4	130	104	0.100	<0.010	<0.010	--	--	
06...	0924	1.7	0.6	140	122	0.100	<0.010	<0.010	--	--	

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
------	------	--	---	---	--	---	---	--	--

FEB

05...	1630	80513	80020	0.0	257	8.29	5.0	13.1	1.20
05...	1632	80513	80020	10.0	258	8.29	4.5	13.1	--
05...	1635	80513	80020	20.0	260	8.33	4.0	13.1	--
05...	1636	80513	80020	30.0	261	8.35	4.0	13.0	--
05...	1638	80513	80020	33.0	261	8.35	4.0	13.0	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
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MAR

09...	1430	80513	80020	0.0	214	7.70	10.0	11.8	0.61
09...	1432	80513	80020	10.0	214	7.70	10.0	11.5	--
09...	1434	80513	80020	20.0	214	7.98	10.0	11.5	--
09...	1436	80513	80020	30.0	209	7.94	9.0	11.4	--
09...	1438	80513	80020	35.0	235	7.90	8.0	10.7	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
------	------	--	---	---	--	---	---	--	--

APR

13...	1515	80513	80020	0.0	210	7.93	13.5	10.6	1.10
13...	1517	80513	80020	10.0	214	7.98	13.0	10.4	--
13...	1519	80513	80020	20.0	213	7.85	12.5	9.7	--
13...	1521	80513	80020	30.0	213	7.65	12.0	9.0	--
13...	1523	80513	80020	33.0	211	7.52	11.5	7.5	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
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MAY

04...	1445	80513	80020	0.0	208	8.29	21.0	9.3
04...	1446	80513	80020	3.00	209	8.24	21.0	9.0
04...	1448	80513	80020	8.00	210	8.20	21.0	8.9
04...	1450	80513	80020	10.0	210	8.19	20.5	8.9
04...	1452	80513	80020	15.0	210	8.02	20.0	8.7
04...	1454	80513	80020	16.0	214	7.80	18.5	7.9
04...	1456	80513	80020	19.0	211	7.67	17.5	7.6
04...	1458	80513	80020	20.0	209	7.64	17.0	7.4
04...	1500	80513	80020	25.0	209	7.45	16.0	6.0
04...	1502	80513	80020	29.0	204	7.35	15.0	5.3
04...	1504	80513	80020	30.0	204	7.33	15.0	4.6
04...	1506	80513	80020	32.0	201	7.30	14.0	4.6
04...	1508	80513	80020	35.0	190	7.29	13.5	4.3
04...	1510	80513	80020	40.0	185	7.25	13.0	3.8

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L CAC03) (00900)	CALCIUM DIS- SOLVED AS CA) (MG/L) (00915)
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MAY

04...	1445	2.00	0	--	--	--	--	--
04...	1448	--	--	2	1.3	2.4	110	22
04...	1506	--	--	4	5.0	2.1	110	22

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINE- ITY 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)
MAY								
04...	1446	--	--	0.100	0.010	0.010	0.900	<0.100
04...	1448	13	92	0.100	0.010	0.010	--	--
04...	1506	13	98	0.200	0.020	0.010	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)
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JUN

08.	1315	80513	80020	0.0	238	8.12	28.5
08.	1316	80513	80020	3.00	238	8.28	28.0
08.	1318	80513	80020	8.00	238	8.20	27.0
08.	1320	80513	80020	10.0	237	8.35	26.5
08.	1322	80513	80020	14.0	240	8.43	25.5
08.	1324	80513	80020	16.0	249	7.70	25.0
08.	1326	80513	80020	20.0	251	7.37	24.0
08.	1328	80513	80020	23.0	255	7.17	23.5
08.	1330	80513	80020	26.0	252	7.13	22.5
08.	1332	80513	80020	30.0	255	7.13	21.0
08.	1334	80513	80020	31.0	252	7.10	20.0
08.	1336	80513	80020	33.0	249	7.11	19.0
08.	1338	80513	80020	34.0	240	7.11	18.0
08.	1340	80513	80020	35.0	230	7.09	16.5
08.	1342	80513	80020	36.0	223	7.12	15.5
08.	1344	80513	80020	37.0	219	7.11	14.5

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	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)
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JUN

08.	1315	8.7	1.60	--	--	--
08.	1316	8.9	--	<0.100	0.030	<0.010
08.	1318	9.1	--	--	--	--
08.	1320	9.2	--	--	--	--
08.	1322	8.1	--	--	--	--
08.	1324	4.6	--	--	--	--
08.	1326	3.2	--	--	--	--
08.	1328	1.9	--	--	--	--
08.	1330	0.4	--	--	--	--
08.	1332	0.2	--	--	--	--
08.	1334	0.2	--	--	--	--
08.	1336	0.1	--	--	--	--
08.	1338	0.1	--	--	--	--
08.	1340	0.1	--	--	--	--
08.	1342	0.1	--	--	--	--
08.	1344	0.2	--	--	--	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

		AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)			
JUL											
	14...	0730	80513	80020	0.0	246	8.13	27.0	7.9		
	14...	0731	80513	80020	3.00	246	8.31	27.0	7.8		
	14...	0733	80513	80020	10.0	246	8.41	27.0	7.8		
	14...	0735	80513	80020	20.0	256	7.72	26.0	3.0		
	14...	0737	80513	80020	25.0	259	7.36	25.0	1.0		
	14...	0739	80513	80020	30.0	261	7.30	24.5	0.3		
	14...	0741	80513	80020	31.0	267	7.32	23.5	0.1		
	14...	0743	80513	80020	32.0	268	7.33	22.0	0.1		
	14...	0745	80513	80020	33.0	267	7.34	22.0	0.1		
	14...	0747	80513	80020	34.0	263	7.36	21.0	0.1		
	14...	0749	80513	80020	35.0	259	7.37	19.5	0.2		
	14...	0751	80513	80020	36.0	250	7.39	17.5	0.2		
	14...	0753	80513	80020	37.0	247	7.40	16.5	0.2		
		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											
	14...	0730	2.10	--	--	--	--	--			
	14...	0731	--	<0.100	0.020	<0.010	2.30	0.200			
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)
AUG											
	10...	1630	80513	80020	0.0	251	8.27	32.0	7.8	2.00	--
	10...	1631	80513	80020	3.00	253	8.23	32.0	7.7	--	--
	10...	1633	80513	80020	8.00	255	8.32	31.0	7.6	--	1
	10...	1635	80513	80020	10.0	255	8.12	30.5	7.5	--	--
	10...	1637	80513	80020	16.0	263	7.57	29.5	3.9	--	--
	10...	1639	80513	80020	20.0	266	7.29	29.0	2.5	--	--
	10...	1641	80513	80020	23.0	273	7.06	28.0	0.9	--	--
	10...	1643	80513	80020	26.0	273	7.02	27.0	0.1	--	--
	10...	1645	80513	80020	29.0	276	7.05	26.0	0.1	--	--
	10...	1648	80513	80020	30.0	281	7.04	25.5	0.1	--	4
	10...	1650	80513	80020	31.0	282	7.09	23.0	0.1	--	--
	10...	1652	80513	80020	32.0	275	7.12	22.0	0.1	--	--
	10...	1654	80513	80020	33.0	270	7.14	21.0	0.1	--	--
	10...	1656	80513	80020	35.0	268	7.18	20.0	0.1	--	--
	10...	1658	80513	80020	37.0	266	7.20	19.0	0.1	--	--
DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WH WAT 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											
	10...	1631	--	--	--	--	<0.100	0.020	0.010	1.70	0.200
	10...	1633	0.7	130	27	16	120	<0.100	0.010	<0.010	--
	10...	1648	0.6	150	31	17	124	<0.100	0.020	<0.010	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	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											
01...	1545	80513	80020	0.0	267	8.24	28.0	7.7	1.50	--	--
01...	1546	80513	80020	3.00	268	8.19	28.0	7.7	--	6.40	0.800
01...	1548	80513	80020	6.00	268	8.16	27.5	7.8	--	--	--
01...	1550	80513	80020	10.0	268	8.19	26.5	7.8	--	--	--
01...	1552	80513	80020	20.0	270	8.01	26.5	6.7	--	--	--
01...	1554	80513	80020	25.0	278	7.52	25.5	3.4	--	--	--
01...	1556	80513	80020	30.0	288	7.43	24.5	3.6	--	--	--
01...	1558	80513	80020	31.0	287	7.31	23.5	0.3	--	--	--
01...	1600	80513	80020	32.0	290	7.28	22.5	0.2	--	--	--
01...	1602	80513	80020	33.0	285	7.27	21.0	0.2	--	--	--
01...	1604	80513	80020	34.0	285	7.27	20.5	0.1	--	--	--
01...	1606	80513	80020	35.0	282	7.29	20.0	0.1	--	--	--
01...	1608	80513	80020	36.0	288	7.30	19.0	0.1	--	--	--

WHITE RIVER BASIN

07062010 BLACK RIVER AT CLEARWATER DAM, MO.

LOCATION.--Lat 37°07'55", long 90°46'05", in NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	COLI-FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (FTU) (00076)
OCT 07...	0800	80513	80020	248	8.00	21.5	9.3	--	--	--
NOV 03...	1645	80513	80020	275	8.08	15.0	10.0	--	--	--
DEC 02...	1640	80513	80020	275	8.20	8.0	12.2	--	--	--
JAN 06...	0715	80513	80020	287	8.05	4.5	12.6	0	3	0.90
FEB 05...	1600	80513	80020	261	7.93	4.5	13.6	--	--	--
MAR 09...	1445	80513	80020	215	7.90	10.0	11.8	--	--	--
APR 13...	1540	80513	80020	216	7.81	13.5	10.4	--	--	--
MAY 04...	1415	80513	80020	233	8.14	18.5	10.3	0	4	2.0
JUN 08...	1400	80513	80020	251	7.35	24.0	7.9	--	--	--
JUL 14...	0715	80513	80020	257	7.94	25.0	7.8	--	--	--
AUG 10...	1715	80513	80020	269	7.58	28.5	7.0	7	2	--
SEP 01...	1615	80513	80020	275	7.88	26.5	8.1	--	--	--
DATE	TIME	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	HARD-NESS (MG/L AS CAC03) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	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)	
JAN 06...	0715	0.5	140	--	--	124	0.200	<0.010	<0.010	
MAY 04...	1415	7.8	110	24	13	104	0.200	0.020	0.030	
AUG 10...	1715	0.5	140	28	16	120	<0.100	0.020	<0.010	

WHITE RIVER BASIN

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07064000 BLACK RIVER NEAR CORNING, AR

LOCATION.--Lat 36°24'07", long 90°32'29", in SW ¼ NE ¼ 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.--49 years, 1,831 ft³/s, 1,327,000 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, 3,630 ft³/s Mar. 3, gage height, 10.99 ft; minimum, 362 ft³/s June 12, gage height, 1.98 ft.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	749	820	733	802	853	2250	2000	995	485	625	495	448
2	791	829	804	791	906	3100	1890	953	471	1110	600	483
3	857	805	856	786	1050	3580	1770	910	450	1310	757	497
4	840	762	868	782	1100	3540	1630	874	433	1200	690	493
5	852	734	898	771	1080	3230	1480	923	421	1060	582	467
6	989	735	956	771	1040	2870	1350	1010	409	1020	525	448
7	1100	772	1040	791	987	2620	1230	946	396	1230	506	464
8	1170	811	1100	811	935	2470	1130	861	386	1330	496	482
9	1210	832	1150	803	905	2380	1080	817	384	1250	500	496
10	1250	822	1240	865	899	2320	1070	787	377	1130	521	508
11	1310	865	1230	951	897	2240	1070	754	371	1060	532	486
12	1350	929	1180	925	884	2130	1050	732	368	1030	540	474
13	1320	964	1140	877	855	1980	1000	717	374	1040	526	447
14	1270	971	1130	841	835	1790	979	692	399	1020	483	432
15	1270	954	1150	823	883	1560	1290	670	455	938	447	421
16	1260	932	1150	817	1040	1350	1510	651	501	841	427	438
17	1210	907	1120	799	1260	1220	1550	632	562	766	421	482
18	1090	869	1100	779	1340	1220	1560	614	650	711	458	530
19	990	831	1060	770	1300	1400	1590	599	627	669	496	527
20	924	812	1020	804	1230	1560	1650	588	638	637	506	509
21	860	786	974	915	1220	1570	1720	583	659	597	496	485
22	809	721	932	1010	1240	1570	1790	575	1180	554	458	450
23	787	664	902	1030	1250	1650	1840	564	1330	535	426	419
24	778	707	889	989	1240	1770	1880	550	1170	546	412	404
25	773	778	880	941	1220	1880	1860	542	1000	548	400	397
26	778	817	874	906	1220	1960	1750	536	911	574	395	394
27	774	837	862	876	1300	2020	1550	534	793	613	394	393
28	755	814	837	854	1610	2050	1330	528	658	611	399	391
29	736	737	821	858	---	2070	1150	513	573	577	409	393
30	735	685	811	883	---	2090	1050	501	555	552	413	392
31	779	---	805	876	---	2070	---	490	---	526	416	---
TOTAL	30366	24502	30512	26497	30579	65510	43799	21641	17986	26210	15126	13650
MEAN	980	817	984	855	1092	2113	1460	698	600	845	488	455
MAX	1350	971	1240	1030	1610	3580	2000	1010	1330	1330	757	530
MIN	735	664	733	770	835	1220	979	490	368	526	394	391
AC-FT	60230	48600	60520	52560	60650	129900	86880	42920	35680	51990	30000	27070

CAL YR 1986 TOTAL 621375 MEAN 1702 MAX 7880 MIN 410 AC-FT 1232000
WTR YR 1987 TOTAL 346378 MEAN 949 MAX 3580 MIN 368 AC-FT 687000

WHITE RIVER BASIN

07068850 CURRENT RIVER NEAR POCAHONTAS, ARK.

LOCATION.--Lat 36°17'55", long 90°51'30", in SE ¼ SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
07.	1030	9827	9827	7.97	20.0	7.5	9.0	1.1	44
28.	1000	9827	9827	8.32	15.0	2.0	10.0	0.7	--
DEC									
09.	0930	9827	9827	8.18	14.0	2.5	11.2	0.5	8
JAN									
13.	1030	9827	9827	8.25	6.0	6.5	12.2	0.6	--
FEB									
10.	1030	9827	9827	8.31	9.0	4.0	11.8	0.6	<4
MAR									
10.	0930	9827	9827	8.12	11.0	10	10.0	1.3	4
APR									
07.	0945	9827	9827	8.04	12.0	5.0	10.5	--	4
MAY									
26.	1200	9827	9827	8.11	23.0	7.5	8.2	0.6	100
JUN									
09.	1030	9827	9827	8.29	25.0	4.7	8.7	--	12
JUL									
07.	1000	9827	9827	--	26.0	7.0	--	0.5	8
AUG									
11.	1000	9827	9827	8.30	28.0	8.4	8.9	--	64
24.	--	--	--	--	26.5	--	--	--	--
SEP									
08.	1000	9827	9827	8.08	24.0	3.1	8.6	0.7	<4
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- PENDE (MG/L) (00530)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
07.	1030	170	5.0	2.0	184	20	0.350	0.030	0.050
28.	1000	170	4.0	2.0	192	5	0.340	<0.010	0.030
DEC									
09.	0930	170	--	1.5	171	--	0.200	0.090	0.010
JAN									
13.	1030	170	3.0	--	166	6	0.240	--	0.030
FEB									
10.	1030	170	--	2.5	--	6	0.230	0.030	0.020
MAR									
10.	0930	130	3.0	2.0	152	19	0.310	0.050	0.060
APR									
07.	0945	140	5.0	3.5	138	13	0.250	0.010	0.020
MAY									
26.	1200	160	2.0	2.0	170	17	--	--	0.040
JUN									
09.	1030	170	2.0	2.5	192	11	0.170	<0.010	0.040
JUL									
07.	1000	160	<1.0	2.5	180	--	0.210	0.030	0.050
AUG									
11.	1000	170	1.0	3.0	165	17	0.220	0.010	0.060
SEP									
08.	1000	180	--	5.0	191	41	0.100	0.060	0.030

WHITE RIVER BASIN

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07068850 CURRENT RIVER NEAR POCAHONTAS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
07.	1030	--	<1	2	--	2	--	--
28.	1000	0.010	<1	1	40	7	--	50
DEC								
09.	0930	0.020	<1	2	--	3	--	--
JAN								
13.	1030	<0.010	<1	2	<15	6	--	--
FEB								
10.	1030	0.010	--	1	<15	1	--	10
MAR								
10.	0930	0.030	<1	<1	22	--	--	40
APR								
07.	0945	0.010	--	1	--	7	--	--
MAY								
26.	1200	--	--	--	<15	7	--	30
JUN								
09.	1030	0.030	<1	--	<15	2	--	20
JUL								
07.	1000	0.030	--	2	--	4	0.50	10
AUG								
11.	1000	0.040	<1	1	<15	1	--	10
SEP								
08.	1000	0.010	<1	<1	<15	51	--	10

WHITE RIVER BASIN

07069000 BLACK RIVER AT POCAHONTAS, ARK.

LOCATION.--Lat 36°15'14", long 90°58'12", in SW ¼ SW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
07.	1115	9827	9827	8.27	20.0	3.5	8.9	1.1	120
28.	1045	9827	9827	8.23	15.0	7.0	9.8	1.0	--
DEC									
09.	1030	9827	9827	8.17	12.0	9.0	11.2	0.8	220
JAN									
13.	1130	9827	9827	8.15	6.0	15	12.5	0.9	--
FEB									
10.	1100	9827	9827	8.22	8.0	10	11.8	1.2	10
MAR									
10.	0945	9827	9827	7.74	11.0	40	8.6	1.7	12
APR									
07.	1030	9827	9827	8.06	11.0	10	10.0	1.2	18
MAY									
26.	1230	9827	9827	8.17	24.0	25	8.7	3.8	120
JUN									
09.	1115	9827	9827	8.26	25.0	15	9.0	--	44
JUL									
07.	1045	9827	9827	--	26.0	35	7.9	2.7	180
AUG									
11.	1030	9827	9827	8.19	28.0	25	8.3	--	88
SEP									
08.	1045	9827	9827	8.20	24.0	15	8.5	2.0	140
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 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									
07.	1115	160	8.0	2.0	178	30	0.280	0.020	0.060
28.	1045	160	5.0	2.5	197	17	0.260	0.010	0.040
DEC									
09.	1030	160	--	2.0	151	--	0.160	0.130	0.040
JAN									
13.	1130	150	5.0	--	166	11	0.230	--	0.050
FEB									
10.	1100	160	--	3.0	--	11	0.090	<0.010	0.030
MAR									
10.	0945	96	6.0	4.0	138	45	0.160	0.350	0.120
APR									
07.	1030	120	6.0	4.0	127	17	0.150	<0.010	0.040
MAY									
26.	1230	150	1.0	2.5	159	52	--	--	0.080
JUN									
09.	1115	160	3.0	2.5	186	31	0.140	<0.010	0.070
JUL									
07.	1045	140	3.0	3.0	165	--	0.260	0.010	0.100
AUG									
11.	1030	150	3.0	3.0	150	45	0.160	0.060	0.080
SEP									
08.	1045	170	--	4.5	189	22	0.100	0.020	0.050

WHITE RIVER BASIN

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07069000 BLACK RIVER AT POCAHONTAS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
07.	1115	--	<1	1	--	2	--	--
28.	1045	0.020	<1	<1	<15	<1	--	<10
DEC								
09.	1030	0.040	<1	<1	--	1	--	--
JAN								
13.	1130	0.030	<1	1	<15	2	--	--
FEB								
10.	1100	0.010	--	<1	<15	<1	--	<10
MAR								
10.	0945	0.060	<1	<1	<15	--	--	10
APR								
07.	1030	0.010	--	<1	12	16	--	--
MAY								
26.	1230	--	--	--	<15	3	--	10
JUN								
09.	1115	0.020	<1	--	45	4	--	70
JUL								
07.	1045	0.030	<1	2	--	3	<0.50	10
AUG								
11.	1030	0.030	<1	1	<15	6	--	10
SEP								
08.	1045	0.010	1	<1	<15	1	--	10

WHITE RIVER BASIN

07069200 MAMMOTH SPRING AT MAMMOTH SPRING, AR

LOCATION.--Lat 36°29'53", long 91°32'08", in SE ¼ SW ¼ 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.--Records good.

AVERAGE DISCHARGE.--6 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, 412 ft³/s Mar. 19, gage height, 4.52 ft; minimum, 219 ft³/s Sept. 22-30, gage height, 3.91 ft.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	271	257	e240	235	248	399	403	325	289	286	271	251
2	271	257	e240	235	248	401	398	325	287	286	271	251
3	271	257	e235	235	248	401	397	322	286	286	271	250
4	271	257	235	235	248	401	392	322	284	287	263	245
5	271	257	235	234	248	401	388	319	281	299	259	243
6	271	257	235	233	248	401	386	318	280	309	259	243
7	271	257	235	233	248	401	381	318	280	312	259	243
8	271	257	235	233	248	401	377	318	278	312	259	240
9	271	257	235	233	248	401	373	318	277	312	259	240
10	271	257	235	233	248	401	370	315	275	312	259	240
11	271	257	235	235	248	390	366	315	274	312	259	238
12	270	257	235	235	248	382	364	315	274	312	259	238
13	268	257	235	237	248	382	361	312	271	308	259	238
14	268	257	235	242	248	373	361	311	271	308	259	237
15	268	257	235	245	268	368	361	308	271	308	259	233
16	268	257	235	245	312	367	361	308	269	303	259	233
17	268	257	235	245	328	363	361	308	268	300	259	233
18	266	257	235	245	328	400	361	306	268	299	257	233
19	264	257	235	247	328	410	361	302	268	296	257	233
20	262	257	235	248	328	412	360	299	268	293	257	233
21	261	257	235	251	328	412	357	299	272	289	254	233
22	259	257	235	254	328	412	355	299	283	289	254	224
23	257	257	235	254	328	412	353	299	288	286	252	219
24	257	257	235	254	328	412	350	299	289	286	251	219
25	257	257	235	254	328	412	347	298	289	286	251	219
26	257	257	235	254	328	412	343	296	289	283	251	219
27	257	e257	235	254	328	412	342	293	289	281	251	219
28	257	e254	235	254	359	412	339	292	289	280	251	219
29	257	e254	235	249	---	412	337	290	289	277	251	219
30	257	e254	235	248	---	409	331	289	286	277	251	219
31	257	---	235	248	---	408	---	289	---	274	251	---
TOTAL	8216	7701	7295	7537	8019	12380	10936	9527	8382	9148	7982	7004
MEAN	265	257	235	243	286	399	365	307	279	295	257	233
MAX	271	257	240	254	359	412	403	325	289	312	271	251
MIN	257	254	235	233	248	363	331	289	268	274	251	219
AC-FT	16300	15270	14470	14950	15910	24560	21690	18900	16630	18150	15830	13890

CAL YR 1986 TOTAL 119221 MEAN 327 MAX 438 MIN 235 AC-FT 236500
WTR YR 1987 TOTAL 104127 MEAN 285 MAX 412 MIN 219 AC-FT 206500

e Estimated

WHITE RIVER BASIN

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07069295 SOUTH FORK SPRING RIVER AT SADDLE, ARK.

LOCATION.--Lat 36°21'00", long 91°38'00", in NW ¼ NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
07.	1545	9827	9827	8.31	22.0	3.0	11.1	1.7	4
28.	0845	9827	9827	8.11	14.0	3.0	9.3	0.6	--
DEC									
09.	0830	9827	9827	8.24	8.0	3.0	10.6	0.5	16
JAN									
13.	1445	9827	9827	8.21	7.0	9.0	12.8	0.9	--
FEB									
10.	1530	9827	9827	8.39	10.0	2.0	13.0	0.9	<4
MAR									
10.	1500	9827	9827	8.33	9.0	2.6	12.1	1.2	12
APR									
07.	0830	9827	9827	8.17	11.0	3.2	9.9	1.1	12
MAY									
12.	0830	9827	9827	8.07	22.0	3.5	7.1	0.6	4
JUN									
09.	0845	9827	9827	8.18	23.0	3.5	7.2	0.9	12
JUL									
21.	0800	9827	9827	8.13	26.0	3.5	5.6	0.3	68
AUG									
11.	0900	9827	9827	7.82	26.0	3.2	5.7	0.8	8
SEP									
08.	0920	9827	9827	7.77	22.0	1.8	--	1.0	44
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+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
07.	1545	220	2.0	--	--	7	--	0.020	0.030
28.	0845	220	5.0	3.0	238	5	0.700	0.050	0.020
DEC									
09.	0830	240	--	2.5	232	5	--	0.030	0.030
JAN									
13.	1445	180	4.0	2.5	195	6	0.520	0.020	0.030
FEB									
10.	1530	210	--	2.5	210	3	0.230	0.060	--
MAR									
10.	1500	180	2.0	4.5	201	3	0.510	0.020	0.010
APR									
07.	0830	190	4.0	--	188	7	0.260	<0.010	0.020
MAY									
12.	0830	210	3.0	4.0	217	8	0.200	0.050	0.010
JUN									
09.	0845	220	2.0	2.5	235	9	--	0.010	0.030
JUL									
21.	0800	210	2.0	2.5	210	5	--	0.140	0.030
AUG									
11.	0900	210	2.0	2.0	198	5	--	0.030	0.020
SEP									
08.	0920	240	--	1.0	254	4	0.080	0.030	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
07.	1545	--	<1	1	<15	2	--	10
28.	0845	0.020	<1	--	<15	1	--	10
DEC								
09.	0830	0.030	<1	--	16	2	--	--
JAN								
13.	1445	<0.010	<1	1	<15	<1	--	--
FEB								
10.	1530	<0.010	<1	1	<15	<1	--	<10
MAR								
10.	1500	0.010	<1	<1	--	--	--	--
APR								
07.	0830	<0.010	--	<1	<15	<1	--	10
MAY								
12.	0830	0.010	--	1	15	1	--	10
JUN								
09.	0845	0.010	--	--	<15	<1	--	--
JUL								
21.	0800	--	--	--	--	1	<0.50	--
AUG								
11.	0900	<0.010	<1	2	22	1	--	20
SEP								
08.	0920	0.020	1	<1	<15	--	--	10

WHITE RIVER BASIN

175

07069370 SPRING RIVER AT RAVENDEN, ARK.

LOCATION.--Lat 36°13'30", long 91°15'03", in SE ¼ NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
07.	1330	9827	9827	8.48	20.0	5.5	9.2	1.0	16
28.	1200	9827	9827	8.42	16.0	4.5	10.1	0.6	--
DEC									
09.	1145	9827	9827	8.34	10.0	2.5	11.2	0.9	36
JAN									
13.	1330	9827	9827	8.40	7.0	3.0	13.0	1.4	--
FEB									
10.	1300	9827	9827	8.48	9.0	2.0	12.8	1.0	<4
MAR									
10.	1200	9827	9827	8.35	12.0	4.2	10.5	0.5	8
APR									
07.	1330	9827	9827	8.44	13.0	3.9	10.8	0.7	<4
MAY									
26.	1400	9827	9827	8.27	24.0	7.5	8.7	1.9	20
JUN									
09.	1300	9827	9827	8.36	23.0	4.8	9.0	--	4
JUL									
07.	1300	9827	9827	--	26.0	10	8.1	3.1	140
AUG									
11.	1300	9827	9827	8.34	30.0	8.4	8.8	--	56
SEP									
08.	1300	9827	9827	8.24	25.0	5.6	8.7	2.0	8
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- 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									
07.	1330	240	5.0	1.5	251	3	0.350	0.020	0.040
28.	1200	240	4.0	2.0	257	10	0.390	0.060	0.020
DEC									
09.	1145	240	--	1.0	222	--	0.240	0.210	0.010
JAN									
13.	1330	240	3.0	--	234	3	0.280	--	<0.010
FEB									
10.	1300	230	--	3.0	--	2	0.230	0.010	<0.010
MAR									
10.	1200	210	2.0	3.0	232	8	0.640	0.020	0.020
APR									
07.	1330	220	5.0	4.0	214	5	0.410	<0.010	0.010
MAY									
26.	1400	240	<1.0	2.0	237	11	--	--	0.050
JUN									
09.	1300	240	1.0	1.5	258	11	0.300	<0.010	0.030
JUL									
07.	1300	210	2.0	2.0	226	--	0.350	0.040	0.050
AUG									
11.	1300	220	<1.0	2.5	213	11	0.350	0.010	0.030
SEP									
08.	1300	230	--	1.5	240	12	0.150	<0.010	0.020

WHITE RIVER BASIN

07069370 SPRING RIVER AT RAVENDEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
07.	1330	--	<1	2	--	2	--	--
28.	1200	0.010	<1	<1	<15	<1	--	<10
DEC								
09.	1145	0.020	<1	1	--	8	--	--
JAN								
13.	1330	<0.010	<1	1	<15	2	--	--
FEB								
10.	1300	<0.010	--	2	<15	<1	--	<10
MAR								
10.	1200	0.010	<1	<1	<15	--	--	<10
APR								
07.	1330	<0.010	--	<1	6	<1	--	--
MAY								
26.	1400	--	--	--	<15	2	--	<10
JUN								
09.	1300	0.020	<1	--	<15	<1	--	<10
JUL								
07.	1300	0.060	--	1	--	3	<0.50	<10
AUG								
11.	1300	0.010	<1	1	<15	--	--	10
SEP								
08.	1300	<0.010	<1	<1	<15	2	--	10

07069500 SPRING RIVER AT IMBODEN, AR

LOCATION.--Lat 36°12'19", long 91°10'19", in SE ¼ NE ¼ 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.--51 years, 1,369 ft³/s, 15.71 in/yr, 991,800 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 maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 28	2000	*11,100	*16.06	No other peak greater than base discharge.			
Minimum discharge, 316 ft ³ /s Sept. 30, gage height, 2.58 ft.							

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	496	510	510	494	610	7880	1430	749	598	445	410	353
2	526	497	509	490	715	3950	1390	745	536	462	407	351
3	503	493	497	570	701	2770	1320	2030	505	2100	402	351
4	488	505	492	634	761	2290	1260	1410	479	1590	397	350
5	484	553	488	581	703	2010	1220	1340	458	1770	561	347
6	477	547	486	552	702	1830	1190	1290	444	985	467	345
7	474	549	495	558	684	1690	1160	1020	436	844	417	343
8	478	557	523	564	679	1580	1120	910	428	926	409	346
9	463	547	580	594	654	1490	1080	827	420	790	444	346
10	467	533	568	816	633	1400	1050	774	414	699	468	340
11	464	540	589	952	619	1320	1030	738	413	634	406	344
12	509	523	596	922	612	1260	1000	716	413	590	395	343
13	513	511	576	859	599	1200	985	623	408	632	383	342
14	496	506	557	801	643	1160	1100	673	402	649	402	340
15	484	511	556	783	1240	1120	1140	641	404	585	390	339
16	489	509	574	756	2940	1090	1160	623	419	550	380	386
17	490	508	567	725	3420	1240	1150	615	413	529	377	362
18	481	506	556	732	2240	6680	1120	659	413	507	396	346
19	516	496	549	729	1830	3860	1080	623	473	490	387	344
20	518	495	527	722	1630	2680	1030	582	453	475	375	340
21	516	489	514	733	1500	2230	995	555	454	467	372	339
22	513	485	509	721	1390	1990	956	543	456	453	367	335
23	560	490	512	716	1290	1830	923	534	530	434	358	334
24	657	488	519	691	1210	2350	899	528	547	441	354	333
25	660	498	509	685	1150	2340	874	552	557	438	356	329
26	648	528	504	662	1120	2070	846	530	517	492	356	327
27	635	507	503	646	1340	1870	824	515	473	457	375	325
28	605	496	500	630	7290	1740	797	503	456	433	403	325
29	580	496	497	621	---	1640	777	487	442	425	368	333
30	555	493	493	597	---	1580	760	485	435	423	364	320
31	550	---	494	599	---	1500	---	507	---	414	360	---
TOTAL	16295	15366	16349	21135	38905	69640	31666	23327	13876	21129	12306	10258
MEAN	526	512	527	682	1389	2246	1056	752	463	682	397	342
MAX	660	557	596	952	7290	7880	1430	2030	598	2100	561	386
MIN	463	485	486	490	599	1090	760	485	402	414	354	320
AC-FT	32320	30480	32430	41920	77170	138100	62810	46270	27520	41910	24410	20350
CFSM	.44	.43	.45	.58	1.17	1.90	.89	.64	.39	.58	.34	.29
IN.	.51	.48	.51	.66	1.22	2.19	.99	.73	.44	.66	.39	.32

CAL YR 1986 TOTAL 387041 MEAN 1060 MAX 6960 MIN 463 AC-FT 767700 CFSM .90 IN. 12.2
WTR YR 1987 TOTAL 290252 MEAN 795 MAX 7880 MIN 320 AC-FT 575700 CFSM .67 IN. 9.13

07072000 ELEVEN POINT RIVER NEAR RAVENDEN SPRINGS, ARK.

LOCATION.--Lat 36°20'48", long 91°06'48", in SE ¼ SE ¼ 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 Eassie 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.--56 years, 1,131 ft³/s, 13.54 in/yr, 819,400 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)
Feb. 28	1545	*5,430	*9.47				
Minimum discharge, 372 ft ³ /s Sept. 30, gage height, 2.76 ft.							

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	590	539	528	490	504	2600	1010	740	608	518	489	415
2	606	534	526	496	549	1890	994	715	592	537	478	415
3	596	533	521	509	562	1520	953	1020	580	564	474	414
4	589	548	517	514	558	1340	920	779	571	551	478	412
5	580	586	510	499	544	1230	899	747	560	576	665	413
6	570	572	509	501	533	1140	882	752	551	588	477	415
7	565	564	515	503	526	1070	873	750	544	707	468	413
8	564	565	532	500	522	1020	860	732	540	751	462	417
9	565	549	549	537	512	982	845	717	535	721	461	414
10	560	536	539	583	503	937	829	704	531	707	454	409
11	560	538	542	567	503	904	823	695	530	682	451	417
12	571	531	537	550	500	870	807	686	532	658	446	413
13	569	522	533	543	496	845	808	687	528	685	442	418
14	559	520	527	540	521	828	826	674	520	657	458	422
15	555	528	527	540	776	816	881	672	537	628	448	408
16	551	527	525	536	1110	799	896	663	577	608	445	455
17	549	529	524	529	1080	868	884	671	542	587	443	429
18	547	530	519	538	1000	2860	872	680	522	568	437	407
19	544	523	515	540	920	2110	854	661	541	555	433	405
20	540	523	510	535	864	1700	837	649	593	541	430	400
21	538	518	508	532	833	1470	819	637	594	530	429	396
22	539	515	503	526	810	1350	798	632	562	520	425	392
23	579	518	509	525	786	1260	782	619	551	520	419	392
24	624	518	517	522	762	1340	776	610	542	514	418	392
25	598	529	509	518	740	1340	764	610	562	522	417	385
26	574	539	505	512	734	1300	754	602	545	519	421	384
27	561	522	498	510	807	1240	744	600	517	516	438	382
28	552	517	495	507	3670	1190	731	591	512	507	462	379
29	548	514	496	509	---	1130	724	587	506	499	432	383
30	542	510	496	505	---	1090	721	598	503	497	426	376
31	540	---	492	492	---	1040	---	626	---	489	421	---
TOTAL	17525	15997	16033	16208	22225	40079	25166	21106	16428	18022	14047	12172
MEAN	565	533	517	523	794	1293	839	681	548	581	453	406
MAX	624	586	549	583	3670	2860	1010	1020	608	751	665	455
MIN	538	510	492	490	496	799	721	587	503	489	417	376
AC-FT	34760	31730	31800	32150	44080	79500	49920	41860	32580	35750	27860	24140
CFSM	.50	.47	.46	.46	.70	1.14	.74	.60	.48	.51	.40	.36
IN.	.57	.52	.53	.53	.73	1.31	.83	.69	.54	.59	.46	.40

CAL YR 1986 TOTAL 403467 MEAN 1105 MAX 8000 MIN 492 AC-FT 800300 CFSM .97 IN. 13.2
WTR YR 1987 TOTAL 235008 MEAN 644 MAX 3670 MIN 376 AC-FT 466100 CFSM .57 IN. 7.71

WHITE RIVER BASIN

179

07072100 ELEVEN POINT RIVER NEAR POCAHONTAS, ARK.

LOCATION.--Lat 36°14'13", long 91°05'05", in NW ¼ SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
07.	1230	9827	9827	8.38	19.0	4.5	9.7	1.4	28
28.	1130	9827	9827	8.37	15.0	2.0	10.0	0.7	--
DEC									
09.	1100	9827	9827	8.14	12.0	5.0	10.8	0.5	200
JAN									
13.	1230	9827	9827	8.34	7.0	1.5	12.5	0.8	--
FEB									
10.	1130	9827	9827	8.36	7.0	2.0	12.2	0.7	<4
MAR									
10.	1015	9827	9827	8.15	12.0	5.6	10.4	0.8	8
APR									
07.	1130	9827	9827	8.00	12.0	3.4	10.5	0.7	24
MAY									
26.	1300	9827	9827	8.19	25.0	7.0	9.0	2.3	10
JUN									
09.	1145	9827	9827	8.29	23.0	4.8	8.6	--	32
JUL									
07.	1130	9827	9827	--	26.0	6.7	8.9	1.6	110
AUG									
11.	1130	9827	9827	8.29	27.0	5.2	8.9	--	150
25.	--	--	--	--	24.5	--	--	--	--
SEP									
08.	1130	9827	9827	8.19	24.0	6.4	8.5	1.2	>600
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- PENDE (MG/L) (00530)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
07.	1230	210	4.0	1.5	226	6	0.420	0.020	0.020
28.	1130	210	0.3	1.0	230	5	0.490	0.010	0.010
DEC									
09.	1100	210	--	2.0	204	--	0.340	0.010	0.010
JAN									
13.	1230	220	3.0	--	211	1	0.350	--	<0.010
FEB									
10.	1130	220	--	1.5	--	1	0.310	0.030	<0.010
MAR									
10.	1015	180	2.0	2.5	191	13	0.630	0.040	0.020
APR									
07.	1130	170	4.0	3.0	168	7	0.500	0.010	0.010
MAY									
26.	1300	210	<1.0	2.0	207	11	--	--	0.050
JUN									
09.	1145	210	1.0	1.5	227	13	0.410	<0.010	0.030
JUL									
07.	1130	200	1.0	2.0	215	--	0.390	0.010	0.040
AUG									
11.	1130	210	<1.0	2.5	195	10	0.600	0.030	0.030
SEP									
08.	1130	210	--	1.5	222	16	0.270	0.040	0.030

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
07.	1230	--	<1	6	--	15	--	--
28.	1130	0.010	<1	<1	<15	1	--	<10
DEC								
09.	1100	0.010	<1	<1	--	<1	--	--
JAN								
13.	1230	<0.010	<1	1	<15	1	--	--
FEB								
10.	1130	<0.010	--	1	<15	2	--	<10
MAR								
10.	1015	0.010	<1	<1	<15	--	--	<10
APR								
07.	1130	<0.010	--	<1	7	<1	--	--
MAY								
26.	1300	--	--	--	<15	2	--	<10
JUN								
09.	1145	0.020	<1	--	<15	<1	--	<10
JUL								
07.	1130	0.010	--	2	--	4	<0.50	<10
AUG								
11.	1130	0.020	<1	1	<15	<1	--	10
SEP								
08.	1130	<0.010	<1	<1	<15	1	--	10

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LOCATION.--Lat 36°06'15", long 91°05'50", in NW ¼ 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.

WATER-DISCHARGE RECORDS

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.--50 years, 8,533 ft³/s, 6,182,000 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, 19,800 ft³/s Mar. 1, gage height, 16.79 ft; minimum daily, 2,570 ft³/s Sept. 28, 30.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3250	3320	3360	3290	3510	19500	8770	5920	4100	3300	3000	2700
2	3320	3260	3350	3270	3800	18700	8510	5780	3940	3310	2970	2670
3	3530	3250	3330	3290	4120	17400	8300	6040	3850	4510	2930	2660
4	5180	3270	3370	3390	4340	16200	8110	7690	3640	5260	2900	2670
5	5600	3360	3480	3350	4450	15100	7880	6260	3520	5890	3420	2680
6	5050	3400	3550	3320	4500	13900	7630	6350	3440	4810	3870	2680
7	4510	3430	3580	3300	4510	12800	7400	5740	3370	4590	3550	2670
8	4130	3490	3630	3340	4450	11900	7160	5440	3300	4750	3290	2650
9	3900	3560	3860	3460	4350	11200	6890	5220	3250	4770	3280	2650
10	3790	3590	4100	3860	4280	10600	6580	5030	3190	4760	3360	2650
11	3740	3590	4290	4190	4190	9930	6300	4870	3150	4680	3250	2670
12	3800	3530	4450	4250	4100	9330	6020	4730	3130	4540	3180	2670
13	3850	3470	4550	4100	4000	8760	5840	4640	3110	4460	3110	2670
14	3860	3450	4500	3970	4000	8300	5950	4530	3080	4370	3030	2680
15	3880	3480	4390	3860	4680	7920	6480	4440	3060	4200	2940	2670
16	3880	3500	4260	3780	7820	7580	7810	4350	3110	4050	2870	2760
17	3820	3510	4150	3710	9740	7390	9120	4310	3170	3920	2810	2810
18	3770	3510	4050	3780	9330	13000	9370	4350	3200	3750	2780	2810
19	3740	3480	3970	3920	8940	15300	8930	4290	3250	3590	2740	2800
20	3700	3450	3880	3940	8530	14600	8300	4220	3450	3440	2710	2780
21	3620	3400	3790	3920	8000	14000	7760	4190	3540	3310	2720	2750
22	3530	3360	3720	3890	7500	13500	7340	4050	3620	3200	2720	2720
23	3520	3350	3650	3890	7090	12700	7010	3970	3750	3120	2700	2680
24	3620	3310	3610	3880	6780	12000	6750	4070	3840	3090	2680	2650
25	3680	3300	3560	3900	6560	11500	6560	5290	3920	3080	2660	2620
26	3650	3320	3510	3880	6420	10800	6420	4560	3920	3240	2640	2590
27	3630	3320	3450	3830	6850	10500	6330	4140	3810	3260	2660	2580
28	3580	3330	3420	3740	12100	10400	6230	3960	3700	3180	2720	2570
29	3510	3350	3390	3680	---	9940	6130	3850	3570	3130	2720	2580
30	3440	3360	3350	3600	---	9520	6020	4110	3410	3090	2730	2570
31	3390	---	3320	3530	---	9120	---	4330	---	3050	2730	---
TOTAL	119470	102300	116870	115110	168940	373390	217900	150720	104390	121700	91670	80310
MEAN	3854	3410	3770	3713	6034	12040	7263	4862	3480	3926	2957	2677
MAX	5600	3590	4550	4250	12100	19500	9370	7				

WHITE RIVER BASIN

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
NOV											
24.	1030	80513	80020	7000	--	348	8.20	9.0	10.0	86	1.4
DEC											
15.	1010	80513	80020	4590	--	335	8.05	5.0	11.2	87	1.0
MAR											
17.	0955	80513	80020	7540	--	281	8.15	13.0	8.0	77	0.8
MAY											
27.	0950	80513	80020	4700	--	324	8.15	24.0	7.2	86	1.1
JUL											
28.	1145	80513	80020	3180	--	310	8.22	30.0	7.8	104	1.8
AUG											
25.	--	--	--	--	2670	--	--	--	--	--	--
27.	0900	80513	80020	3240	--	351	8.35	26.5	7.2	90	1.5

DATE	TIME	BARO- METRIC PRES- SURE (MM OF HG) (00025)	COLI- FORM, FECAL, O.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS WH WAT TOT FLD MG/L AS CAC03 (00900)	HARD- NESS NONCARB WH WAT TOT FLD 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)
NOV											
24.	1030	766	10	37	180	0	37	22	2.4	3	0.1
DEC											
15.	1010	768	21	300	180	0	36	21	2.8	3	0.1
MAR											
17.	0955	753	6	88	140	5	28	16	3.0	5	0.1
MAY											
27.	0950	760	10	370	180	1	37	21	3.1	4	0.1
JUL											
28.	1145	758	15	34	170	4	35	20	2.7	3	0.1
AUG											
27.	0900	759	17	43	180	0	36	22	3.9	4	0.1

DATE	TIME	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WH WAT TOTAL 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)	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)
------	------	--	--	--	--	---	--	--	---	--

NOV										
24.	1030	1.7	185	5.9	2.9	<0.10	<0.010	0.110	<0.010	<0.010
DEC										
15.	1010	1.5	176	7.7	3.5	<0.10	<0.010	0.190	<0.010	<0.010
MAR										
17.	0955	0.40	131	10	3.3	0.10	<0.010	0.230	0.030	0.020
MAY										
27.	0950	0.40	178	<5.0	3.2	<0.10	<0.010	0.250	0.020	0.020
JUL										
28.	1145	1.1	166	5.2	4.0	0.10	<0.010	0.150	<0.010	0.020
AUG										
27.	0900	0.40	190	7.0	3.1	0.10	<0.010	<0.100	<0.010	<0.010

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	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 24.	1030	--	<0.20	0.030	--	--	--	10	--	--
DEC 15.	1010	--	0.80	0.030	0.190	0.170	--	10	--	--
MAR 17.	0955	0.67	0.70	0.050	0.020	<0.010	--	10	--	--
MAY 27.	0950	0.48	0.50	0.060	0.010	0.010	--	20	--	--
JUL 28.	1145	--	<0.20	0.050	0.020	0.040	<1	<10	<1	30
AUG 27.	0900	--	0.80	0.020	0.020	<0.010	--	30	--	--
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 RECOV- ERABLE (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
JUL 28.	1145	<1	3	460	<5	70	<0.10	<1	<1	<10

07074000 STRAWBERRY RIVER NEAR POUGHKEEPSIE, ARK.

LOCATION.--Lat 36°06'37", long 91°26'59", in SE ¼ NW ¼ 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.--51 years, 497 ft³/s, 14.27 in/yr, 360,100 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)
Feb. 28	1500	*9,640	*13.54	No other peak greater than base discharge.			

Minimum discharge, 56 ft³/s Sept. 10, 11, 26, 27, 28, 29.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	66	79	77	117	4280	340	136	149	79	69	62
2	92	65	80	75	177	1200	324	134	151	79	68	60
3	92	65	79	81	203	1010	302	150	116	280	65	59
4	89	69	77	90	215	760	283	207	104	1350	74	60
5	86	81	77	88	197	621	266	402	98	628	117	59
6	85	82	77	86	179	530	254	281	92	241	80	59
7	84	95	79	87	167	458	246	271	88	183	69	58
8	83	81	87	94	158	407	236	211	86	184	65	58
9	80	77	121	132	148	368	227	183	84	170	67	58
10	80	76	143	219	141	330	217	164	82	140	163	57
11	79	80	159	316	136	301	210	152	81	127	104	56
12	85	78	130	233	131	279	203	145	80	116	75	57
13	88	73	118	199	128	259	201	148	79	116	68	57
14	88	71	110	179	132	243	213	135	77	108	83	57
15	87	71	106	164	167	230	226	129	74	99	69	57
16	84	72	102	151	951	220	233	126	76	93	64	75
17	83	73	98	141	940	821	220	119	92	89	61	65
18	82	73	96	138	658	3870	210	115	87	88	128	60
19	81	72	93	139	524	1440	199	112	108	83	136	59
20	80	71	91	140	456	895	191	108	122	79	96	59
21	79	70	88	143	403	688	183	106	101	78	79	58
22	78	70	88	146	358	574	176	101	98	76	72	58
23	95	70	87	141	320	498	168	98	90	75	67	57
24	107	70	89	136	287	778	161	96	86	77	64	57
25	94	75	86	133	260	855	159	101	83	79	63	57
26	81	86	86	127	253	615	154	105	79	88	61	56
27	74	83	84	121	340	522	149	103	78	98	70	56
28	73	81	83	118	6240	465	146	105	76	83	83	56
29	70	78	82	114	---	421	141	101	76	76	73	61
30	68	77	80	110	---	395	136	96	77	75	69	59
31	67	---	78	107	---	370	---	97	---	72	65	---
TOTAL	2577	2251	2933	4225	14386	24703	6374	4537	2770	5209	2487	1767
MEAN	83.1	75.0	94.6	136	514	797	212	146	92.3	168	80.2	58.9
MAX	107	95	159	316	6240	4280	340	402	151	1350	163	75
MIN	67	65	77	75	117	220	136	96	74	72	61	56
AC-FT	5110	4460	5820	8380	28530	49000	12640	9000	5490	10330	4930	3500
CFSM	.18	.16	.20	.29	1.09	1.68	.45	.31	.20	.36	.17	.12
IN.	.20	.18	.23	.33	1.13	1.94	.50	.36	.22	.41	.20	.14

CAL YR 1986 TOTAL 92084 MEAN 252 MAX 2780 MIN 65 AC-FT 182600 CFSM .53 IN. 7.24
WTR YR 1987 TOTAL 74219 MEAN 203 MAX 6240 MIN 56 AC-FT 147200 CFSM .43 IN. 5.84

WHITE RIVER BASIN

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07074100 STRAWBERRY RIVER NEAR SMITHVILLE, ARK.

LOCATION.--Lat 36°01'40", long 91°19'31", in NW ¼ SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
07.	1500	9827	9827	8.38	19.0	5.5	8.7	0.6	4
28.	1330	9827	9827	8.27	--	3.0	9.8	0.6	--
DEC									
09.	1400	9827	9827	8.09	12.0	8.0	11.5	0.7	--
JAN									
13.	1430	9827	9827	8.34	8.0	10	12.7	0.8	--
FEB									
10.	1400	9827	9827	8.42	9.0	2.5	12.8	0.7	4
MAR									
10.	1330	9827	9827	8.21	13.0	6.4	10.4	0.8	46
APR									
07.	1430	9827	9827	8.35	14.0	3.0	11.1	0.1	24
MAY									
26.	1500	9827	9827	8.27	24.0	7.5	9.1	1.7	55
JUN									
09.	1400	9827	9827	8.35	23.0	6.4	8.8	--	28
JUL									
07.	1420	9827	9827	--	26.0	20	8.0	1.5	170
AUG									
11.	1400	9827	9827	8.32	30.0	7.8	8.5	--	72
SEP									
08.	1345	9827	9827	8.17	26.0	6.6	8.3	1.1	76
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+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
07.	1500	210	5.0	1.5	221	13	0.070	0.030	0.030
28.	1330	210	5.0	2.0	242	7	0.150	0.050	0.020
DEC									
09.	1400	220	--	1.5	198	--	0.080	0.140	0.030
JAN									
13.	1430	230	6.0	--	229	8	0.210	--	0.020
FEB									
10.	1400	240	--	3.5	--	4	0.090	0.010	<0.010
MAR									
10.	1330	200	4.0	2.5	216	14	0.440	0.030	0.030
APR									
07.	1430	210	6.0	4.0	197	3	0.170	<0.010	0.010
MAY									
26.	1500	220	<1.0	2.5	219	14	--	--	0.040
JUN									
09.	1400	200	3.0	3.5	226	13	0.080	0.010	0.040
JUL									
07.	1420	170	3.0	2.5	198	--	0.240	0.010	0.060
AUG									
11.	1400	190	1.0	2.5	187	19	0.090	0.020	0.050
SEP									
08.	1345	210	--	2.5	221	15	0.030	0.010	0.030

WHITE RIVER BASIN

07074100 STRAWBERRY RIVER NEAR SMITHVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
07.	1500	--	<1	1	--	3	--	--
28.	1330	0.010	<1	1	<15	<1	--	<10
DEC								
09.	1400	0.050	<1	1	--	<1	--	--
JAN								
13.	1430	<0.010	<1	1	<15	2	--	--
FEB								
10.	1400	<0.010	--	1	<15	1	--	<10
MAR								
10.	1330	0.010	<1	1	<15	--	--	<10
APR								
07.	1430	<0.010	--	<1	7	2	--	--
MAY								
26.	1500	--	--	--	<15	9	--	10
JUN								
09.	1400	0.030	<1	--	<15	<1	--	<10
JUL								
07.	1420	0.010	--	1	--	2	0.50	10
AUG								
11.	1400	0.010	<1	<1	<15	<1	--	10
SEP								
08.	1345	<0.010	<1	<1	<15	<1	--	10

WHITE RIVER BASIN

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07074500 WHITE RIVER AT NEWPORT, ARK.
(National stream-quality accounting network station)

LOCATION.--Lat 35°36'18", long 91°17'19", in NE ¼ NE ¼ 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.--No estimated daily discharges. Water-discharge records good. Some regulation since 1943 by Norfolk 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.--54 years, 22,640 ft³/s, 16,400,000 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, 48,900 ft³/s Mar. 3, gage height, 20.39 ft; minimum daily, 4,130 ft³/s Sept. 3.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6710	9690	7350	5510	10400	44200	38600	13800	14700	8210	12600	4590
2	8270	8660	11400	6360	9550	48000	36300	14700	14600	9800	13900	4380
3	11000	10500	13700	6140	7480	48100	33300	14000	15500	7600	11600	4130
4	12100	9880	13000	5560	7370	44400	31800	14500	15000	9050	9320	4190
5	13900	7380	13700	5620	8300	44500	30500	15600	12200	13000	11500	4310
6	12300	8610	14900	5880	7780	44800	24800	16300	9130	13500	9700	5940
7	10100	8740	14700	6030	7570	43800	21100	17400	9870	11900	7190	7170
8	9090	8100	11900	6200	7620	41200	23900	16200	10000	12800	7440	6010
9	11500	7790	11300	6810	7340	37600	25000	16000	9310	12600	12600	4760
10	11200	7130	12200	6960	6930	34900	23600	15900	12200	10700	11900	4440
11	9990	7190	13000	7500	6640	33800	23100	14000	10800	9710	10200	5320
12	10300	13000	13100	8080	6690	33500	21800	12700	7940	11000	6880	6260
13	10400	16100	12800	8720	7270	32500	20200	17700	7700	11100	7700	6180
14	9650	18500	12700	9760	7910	31000	21200	20500	12700	10500	9120	7030
15	9650	17600	12500	9670	7750	29100	25200	21700	13700	8420	7260	5290
16	10100	13300	13300	8650	11400	24800	27400	22200	14200	8620	5790	5720
17	9680	9680	15200	7630	20900	24300	27400	19400	13500	8340	6330	7550
18	9890	6940	13400	6940	29600	32200	28300	15200	13100	9280	6110	6640
19	8610	5980	11700	7670	28000	37500	27400	11600	12000	8800	5840	7690
20	7500	7730	14300	7090	24800	40200	26000	17500	11000	7940	6430	6140
21	7500	10600	16600	6850	21900	39300	25400	19700	11000	7330	5770	4920
22	6800	9220	13700	7200	19800	38700	26100	19200	10200	12200	6010	4510
23	7060	10200	10400	7970	17500	37100	23900	20000	9070	12400	7800	4410
24	6680	8310	9150	7770	16000	38400	18500	14900	9620	11300	7360	4400
25	7720	6560	9550	9530	16100	41000	19900	10800	9810	10500	5160	4630
26	7230	9100	8140	9460	20200	43400	20900	11200	8760	12800	4600	5980
27	7680	11000	6530	8900	23700	44600	19400	12100	8860	13400	4930	7000
28	6910	10900	5860	11100	31400	43700	15700	16900	10600	11800	6740	5370
29	6920	8890	5550	12700	---	41800	15800	16300	9110	10300	5170	5100
30	8740	6990	5340	11400	---	40900	14400	17300	7890	10600	4590	8720
31	9030	---	5290	10800	---	40000	---	16800	---	10800	4610	---
TOTAL	284210	294270	352260	246460	397900	1199300	736900	502100	334070	326300	242150	168780
MEAN	9168	9809	11360	7950	14210	38690	24560	16200	11140	10530	7811	5626
MAX	13900	18500	16600	12700	31400	48100	38600	22200	15500	13500	13900	8720
MIN	6680	5980	5290	5510	6640	24300	14400	10800	7700	7330	4590	4130
AC-FT	563700	583700	698700	488900	789200	2379000	1462000	995900	662600	647200	480300	334800

CAL YR 1986 TOTAL 6868850 MEAN 18820 MAX 50400 MIN 5290 AC-FT 13620000
WTR YR 1987 TOTAL 5084700 MEAN 13930 MAX 48100 MIN 4130 AC-FT 10090000

WHITE RIVER BASIN

07074500 WHITE RIVER AT NEWPORT, ARK.--CONTINUED

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
OCT 28...	1200	80513	80020	7860	320	8.60	16.0	9.4	9.2	93	763
DEC 03...	1020	80513	80020	2900	300	8.20	10.0	5.2	10.6	94	765
FEB 24...	0945	80513	80020	5200	290	7.80	7.5	6.5	10.8	90	764
APR 23...	1015	80513	80020	3400	260	8.10	16.0	6.5	8.4	85	760
JUN 25...	1045	80513	80020	8710	318	8.35	28.0	16	8.2	106	757
JUL 22...	1000	80513	80020	2300	310	8.25	28.0	43	7.7	98	765

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	STREP- TOCOC- CI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS NONCARB WH WAT TOT FLD 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)
OCT 28...	1200	54	29	170	5	39	18	3.2	4	0.1	1.4
DEC 03...	1020	21	9	140	2	37	12	3.0	4	0.1	1.4
FEB 24...	0945	15	68	150	8	35	15	2.3	3	0.1	1.3
APR 23...	1015	K4	K32	140	12	36	13	4.6	6	0.2	1.5
JUN 25...	1045	83	62	160	0	36	16	3.2	4	0.1	1.2
JUL 22...	1000	K100	88	160	8	38	16	3.4	4	0.1	1.4

DATE	TIME	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	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 CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)
OCT 28...	1200	167	0	210	7.2	4.2	<0.10	6.8	180	184	0.24
DEC 03...	1020	140	0	180	14	4.5	<0.10	5.2	154	164	0.21
FEB 24...	0945	141	0	170	0.3	3.9	<0.10	6.9	142	150	0.19
APR 23...	1015	132	0	170	6.6	4.0	<0.10	4.7	147	152	0.20
JUN 25...	1045	159	18	160	7.9	4.3	<0.10	6.0	174	188	0.24
JUL 22...	1000	153	0	190	7.6	4.2	0.10	5.7	170	169	0.23

WHITE RIVER BASIN

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07074500 WHITE RIVER AT NEWPORT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	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)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)
OCT 28...	1200	<0.010	0.250	0.060	0.040	0.24	0.30	0.020	0.010	<0.010	42
DEC 03...	1020	<0.010	0.200	<0.010	<0.010	--	0.30	0.010	0.020	0.010	34
FEB 24...	0945	<0.010	0.300	0.020	0.030	0.98	1.0	0.050	0.010	0.010	--
APR 23...	1015	<0.010	0.130	<0.010	0.020	--	0.60	0.030	0.020	<0.010	35
JUN 25...	1045	<0.010	<0.100	<0.010	0.020	--	1.0	0.100	0.030	0.020	--
JUL 22...	1000	<0.010	0.120	<0.010	<0.010	--	1.1	0.160	0.010	<0.010	39

DATE	TIME	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	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)
OCT 28...	1200	<10	<1	<0.5	<1	--	<3	7	8	<5	5
DEC 03...	1020	<10	<1	<0.5	1	3	<3	16	9	<5	5
APR 23...	1015	10	<1	<0.5	<1	<1	<3	<1	9	<5	<4
JUL 22...	1000	<10	<1	<0.5	<1	<1	<3	8	12	<5	10

DATE	TIME	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	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 28...	1200	14	<0.1	<10	<1	<1	1	43	19	43	68
DEC 03...	1020	3	0.3	<10	<1	<1	<1	35	48	29	64
FEB 24...	0945	--	--	--	--	--	--	--	--	36	91
APR 23...	1015	3	<0.1	<10	3	<1	<1	38	27	24	97
JUN 25...	1045	--	--	--	--	--	--	--	--	52	95
JUL 22...	1000	<1	0.1	<10	<1	<1	<1	39	14	252	85

WHITE RIVER BASIN

07074990 MIDDLE FORK LITTLE RED RIVER NEAR SHIRLEY, ARK.

LOCATION.--Lat 35°39'06", long 92°19'20", in NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, UM-WF (COLS./ 100 ML) (31616)
OCT									
07.	1025	9827	9827	7.32	22.0	4.5	7.4	0.8	100
28.	1020	9827	9827	7.50	16.0	7.0	9.0	0.5	--
DEC									
09.	0925	9827	9827	7.62	9.0	--	10.8	0.5	84
JAN									
13.	0915	9827	9827	7.61	4.0	20	12.3	0.7	--
FEB									
10.	1145	9827	9827	7.69	7.0	5.0	--	0.6	4
MAR									
10.	0955	9827	9827	7.70	9.0	4.9	11.0	0.7	4
APR									
07.	0945	9827	9827	7.50	11.0	4.6	10.4	0.3	8
MAY									
12.	0955	9827	9827	7.93	24.0	4.0	9.2	1.4	24
JUN									
09.	0950	9827	9827	7.70	27.0	5.5	8.2	1.0	20
JUL									
07.	0955	9827	9827	7.16	28.0	2.5	7.7	0.8	8
AUG									
11.	0950	9827	9827	7.39	30.0	6.8	6.2	2.6	80
SEP									
08.	1205	9827	9827	7.30	25.0	5.4	--	1.9	28

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- PENDE (MG/L) (00530)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
07.	1025	22	7.0	1.0	50	8	0.060	--	0.050
28.	1020	30	--	3.0	52	4	--	--	0.060
DEC									
09.	0925	36	--	2.5	4	--	--	0.050	0.040
JAN									
13.	0915	36	7.0	4.5	66	5	0.080	0.030	0.050
FEB									
10.	1145	32	4.0	2.5	56	3	0.030	0.040	0.020
MAR									
10.	0955	30	4.0	2.5	61	3	0.040	0.010	0.020
APR									
07.	0945	40	5.0	2.0	44	3	0.030	0.020	0.020
MAY									
12.	0955	34	4.0	2.5	47	4	0.010	0.020	0.030
JUN									
09.	0950	32	4.0	1.5	63	3	0.030	<0.010	0.060
JUL									
07.	0955	40	1.0	3.0	70	3	0.030	0.030	0.030
AUG									
11.	0950	40	3.0	2.5	39	9	0.050	0.050	--
SEP									
08.	1205	28	--	2.5	60	9	0.090	0.010	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
07.	1025	0.050	<1	<1	<15	1	--	20
28.	1020	0.040	<1	<1	<15	<1	--	30
DEC								
09.	0925	--	<1	--	<15	--	--	50
JAN								
13.	0915	0.020	<1	--	--	<1	--	--
FEB								
10.	1145	<0.010	--	1	<15	1	--	--
MAR								
10.	0955	<0.010	<1	<1	<15	--	--	--
APR								
07.	0945	<0.010	<1	<1	<15	<1	--	--
MAY								
12.	0955	0.010	--	1	<15	<1	--	20
JUN								
09.	0950	0.010	--	--	10	<1	--	20
JUL								
07.	0955	0.010	<1	<1	<15	2	0.70	10
AUG								
11.	0950	--	--	<1	<15	1	--	20
SEP								
08.	1205	<0.010	<1	<1	17	--	--	20

07075300 SOUTH FORK LITTLE RED RIVER AT CLINTON, AR

LOCATION.--Lat 35°35'29", long 92°27'20", in SW $\frac{1}{4}$ 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.--26 years, 237 ft³/s, 21.75 in/yr, 171,700 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)
Feb. 16	0415	*3,860	*13.42				

Minimum discharge, 0.10 ft³/s Sept. 14, gage height, 5.43 ft.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	13	16	71	119	1050	247	49	437	20	7.4	4.0
2	25	11	17	67	229	540	233	50	266	25	6.3	2.4
3	21	9.6	16	71	224	435	215	60	258	25	5.4	.86
4	22	18	14	78	205	374	199	87	215	23	4.9	.52
5	23	77	19	79	191	339	184	75	165	25	4.4	.76
6	19	75	22	81	180	313	173	64	130	21	4.2	.80
7	17	52	23	82	167	293	163	57	107	18	3.9	.69
8	16	46	56	88	155	277	153	54	90	16	3.4	.60
9	16	36	559	188	141	260	141	49	74	14	2.9	.52
10	16	31	351	339	132	241	133	45	63	12	2.2	.36
11	15	83	271	268	127	223	126	43	59	11	2.0	.57
12	20	74	228	229	122	205	120	40	52	10	2.9	.38
13	21	53	200	201	116	204	123	38	47	18	5.6	.20
14	21	39	181	184	259	196	135	46	43	18	5.9	.37
15	19	31	167	172	1160	186	131	53	37	16	4.8	12
16	17	27	153	157	2270	180	124	48	33	13	3.8	18
17	16	24	142	153	611	213	117	47	30	11	3.6	12
18	15	20	132	161	426	605	109	88	28	11	4.0	9.4
19	14	17	124	191	342	391	103	84	28	10	3.4	9.1
20	13	15	116	185	291	343	97	71	42	9.3	4.3	7.7
21	12	13	110	177	256	313	90	61	35	8.4	3.6	6.6
22	13	12	104	170	231	287	85	55	30	8.0	3.5	5.3
23	19	11	100	160	209	290	78	55	31	7.5	3.5	4.6
24	129	9.7	99	150	191	532	74	279	40	6.9	3.3	4.5
25	110	12	94	147	177	401	70	581	30	8.2	2.6	4.2
26	63	20	89	137	177	348	66	319	26	23	2.6	3.6
27	40	18	86	130	259	318	62	216	24	14	5.7	3.1
28	29	18	82	126	1950	290	58	171	22	12	6.2	2.9
29	22	17	79	121	---	277	54	166	20	10	4.1	4.4
30	18	16	75	117	---	288	52	141	19	8.6	4.0	3.8
31	15	---	73	112	---	264	---	132	---	7.7	4.2	---
TOTAL	838	898.3	3798	4592	10917	10476	3715	3324	2481	440.6	128.6	124.23
MEAN	27.0	29.9	123	148	390	338	124	107	82.7	14.2	4.15	4.14
MAX	129	83	559	339	2270	1050	247	581	437	25	7.4	18
MIN	12	9.6	14	67	116	180	52	38	19	6.9	2.0	.20
AC-FT	1660	1780	7530	9110	21650	20780	7370	6590	4920	874	255	246
CFSM	.18	.20	.83	1.00	2.63	2.28	.84	.72	.56	.10	.0	.0
IN.	.21	.23	.95	1.15	2.74	2.63	.93	.84	.62	.11	.0	.0

CAL YR 1986 TOTAL 55437.26 MEAN 152 MAX 2980 MIN 2.1 AC-FT 110000 CFSM 1.03 IN. 13.9
WTR YR 1987 TOTAL 41732.52 MEAN 114 MAX 2270 MIN .20 AC-FT 82780 CFSM .77 IN. 10.5

WHITE RIVER BASIN

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07075900 GREERS FERRY LAKE NEAR HEBER SPRINGS, ARK.

LOCATION.--Lat 35°31'15", long 91°59'42", in SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
OCT									
06...	1015	80513	80020	0.0	38	7.20	25.0	8.0	4.10
06...	1017	80513	80020	10.0	38	7.40	25.5	8.0	--
06...	1019	80513	80020	20.0	37	7.20	25.5	8.0	--
06...	1021	80513	80020	30.0	38	7.20	25.5	7.9	--
06...	1023	80513	80020	36.0	38	6.70	24.0	6.1	--
06...	1025	80513	80020	37.0	38	6.70	23.5	5.6	--
06...	1027	80513	80020	38.0	38	6.50	21.5	4.7	--
06...	1029	80513	80020	39.0	38	6.40	20.0	4.4	--
06...	1031	80513	80020	40.0	38	6.30	19.0	4.2	--
06...	1033	80513	80020	42.0	38	6.30	17.5	4.2	--
06...	1035	80513	80020	44.0	38	6.30	17.0	4.3	--
06...	1037	80513	80020	46.0	38	6.20	16.0	4.3	--
06...	1039	80513	80020	50.0	38	6.20	15.0	4.6	--
06...	1041	80513	80020	53.0	38	6.30	14.0	4.7	--
06...	1043	80513	80020	57.0	39	6.30	13.0	5.0	--
06...	1045	80513	80020	60.0	39	6.30	12.5	5.0	--
06...	1047	80513	80020	67.0	39	6.40	11.5	5.5	--
06...	1049	80513	80020	70.0	40	6.40	11.5	5.6	--
06...	1051	80513	80020	80.0	41	6.40	10.5	6.1	--
06...	1053	80513	80020	90.0	41	6.40	10.0	6.4	--
06...	1055	80513	80020	100	41	6.40	9.5	6.2	--
06...	1057	80513	80020	110	41	6.40	9.0	5.8	--
06...	1059	80513	80020	120	41	6.40	8.5	5.0	--
06...	1101	80513	80020	130	42	6.40	8.5	3.9	--
06...	1103	80513	80020	140	42	6.40	8.5	3.5	--
06...	1105	80513	80020	147	43	6.40	8.0	3.3	--
NOV									
03...	1010	80513	80020	0.0	36	7.50	18.5	8.7	6.00
03...	1012	80513	80020	10.0	36	7.35	18.5	8.6	--
03...	1014	80513	80020	20.0	36	7.22	18.5	8.6	--
03...	1016	80513	80020	30.0	37	7.14	18.5	8.6	--
03...	1018	80513	80020	40.0	37	7.10	18.5	8.6	--
03...	1020	80513	80020	45.0	38	6.76	18.0	3.9	--
03...	1022	80513	80020	46.0	38	6.41	16.5	3.5	--
03...	1024	80513	80020	47.0	38	6.36	16.0	3.6	--
03...	1026	80513	80020	50.0	39	6.33	14.5	4.1	--
03...	1028	80513	80020	53.0	39	6.30	13.5	4.1	--
03...	1030	80513	80020	57.0	39	6.32	13.0	4.4	--
03...	1032	80513	80020	60.0	40	6.27	12.5	4.6	--
03...	1034	80513	80020	65.0	40	6.29	12.0	5.0	--
03...	1036	80513	80020	70.0	40	6.30	11.5	5.2	--
03...	1038	80513	80020	80.0	40	6.36	10.5	6.0	--
03...	1040	80513	80020	90.0	39	6.36	9.5	6.1	--
03...	1042	80513	80020	100	40	6.38	9.0	6.1	--
03...	1044	80513	80020	110	40	6.37	9.0	5.4	--
03...	1046	80513	80020	120	41	6.33	8.5	4.3	--
03...	1048	80513	80020	130	42	6.28	8.5	3.5	--
03...	1050	80513	80020	140	45	6.28	8.5	3.0	--
03...	1052	80513	80020	147	45	6.22	8.0	2.7	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
DEC									
02...	1000	80513	80020	0.0	36	7.00	12.5	8.7	7.60
02...	1002	80513	80020	10.0	36	7.00	12.5	8.8	--
02...	1004	80513	80020	20.0	37	6.90	12.5	8.6	--
02...	1006	80513	80020	30.0	37	6.88	12.5	8.6	--
02...	1008	80513	80020	40.0	37	6.88	12.5	8.6	--
02...	1010	80513	80020	50.0	37	6.84	12.5	8.6	--
02...	1012	80513	80020	60.0	37	6.74	12.5	8.5	--
02...	1014	80513	80020	70.0	37	6.72	12.0	6.9	--
02...	1016	80513	80020	80.0	39	6.56	11.0	4.8	--
02...	1018	80513	80020	90.0	40	6.49	10.0	5.4	--
02...	1020	80513	80020	100	40	6.45	9.5	5.6	--
02...	1022	80513	80020	110	40	6.41	9.0	5.2	--
02...	1024	80513	80020	120	41	6.35	8.5	4.4	--
02...	1026	80513	80020	130	42	6.32	8.5	2.9	--
02...	1028	80513	80020	140	42	6.30	8.5	2.3	--
02...	1030	80513	80020	147	44	6.22	8.0	2.0	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
JAN											
21...	1630	80513	80020	0.0	41	6.83	8.0	7.7	3.40	0	--
21...	1631	80513	80020	3.00	41	6.80	8.0	7.4	--	--	--
21...	1633	80513	80020	10.0	40	6.78	8.0	7.3	--	--	--
21...	1635	80513	80020	20.0	40	6.78	8.0	7.4	--	--	--
21...	1637	80513	80020	25.0	39	6.75	8.0	7.3	--	--	2
21...	1639	80513	80020	30.0	40	6.72	8.0	7.2	--	--	--
21...	1641	80513	80020	40.0	40	6.71	8.0	7.2	--	--	--
21...	1643	80513	80020	50.0	40	6.70	8.0	7.2	--	--	--
21...	1645	80513	80020	60.0	38	6.68	8.0	7.3	--	--	--
21...	1647	80513	80020	70.0	38	6.68	8.0	7.3	--	--	--
21...	1649	80513	80020	80.0	39	6.67	8.0	7.4	--	--	--
21...	1651	80513	80020	90.0	40	6.66	8.0	7.4	--	--	--
21...	1653	80513	80020	100	39	6.66	8.0	7.4	--	--	2
21...	1655	80513	80020	110	39	6.64	8.0	7.4	--	--	--
21...	1657	80513	80020	120	39	6.63	8.0	7.4	--	--	--
21...	1659	80513	80020	130	39	6.63	8.0	7.3	--	--	--
21...	1701	80513	80020	140	39	6.62	8.0	7.2	--	--	--
21...	1703	80513	80020	150	39	6.62	8.0	7.3	--	--	--
21...	1705	80513	80020	152	39	6.62	8.0	7.2	--	--	--

DATE	TIME	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LITY 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)
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JAN										
21...	1631	--	--	--	--	0.200	0.010	<0.010	0.300	<0.100
21...	1637	0.50	0.5	14	14	0.200	<0.010	<0.010	--	--
21...	1653	0.50	0.4	14	13	0.200	<0.010	<0.010	--	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
FEB									
03...	1000	80513	80020	0.0	37	7.50	8.0	10.2	5.50
03...	1002	80513	80020	10.0	37	7.44	8.0	10.1	--
03...	1004	80513	80020	20.0	38	7.28	8.0	10.1	--
03...	1006	80513	80020	30.0	38	7.28	8.0	10.0	--
03...	1008	80513	80020	40.0	38	7.25	7.5	9.9	--
03...	1010	80513	80020	50.0	39	7.15	7.5	9.9	--
03...	1012	80513	80020	60.0	38	7.15	7.5	9.8	--
03...	1014	80513	80020	70.0	38	7.08	7.5	9.6	--
03...	1016	80513	80020	80.0	38	7.05	7.0	9.6	--
03...	1018	80513	80020	90.0	38	7.00	7.0	9.7	--
03...	1020	80513	80020	100	38	7.01	7.0	9.7	--
03...	1022	80513	80020	110	39	6.99	7.0	9.8	--
03...	1024	80513	80020	120	39	6.95	7.0	9.8	--
03...	1026	80513	80020	130	39	6.93	7.0	9.8	--
03...	1028	80513	80020	140	39	6.93	7.0	10.0	--
03...	1030	80513	80020	150	39	6.96	7.0	10.0	--
MAR									
09...	0930	80513	80020	0.0	36	7.64	10.5	11.9	5.60
09...	0932	80513	80020	10.0	36	7.53	10.5	11.8	--
09...	0934	80513	80020	20.0	36	7.46	10.5	11.6	--
09...	0936	80513	80020	30.0	35	7.39	9.5	11.8	--
09...	0938	80513	80020	40.0	35	7.32	9.0	11.6	--
09...	0940	80513	80020	50.0	35	7.29	8.0	11.6	--
09...	0942	80513	80020	60.0	35	7.27	8.0	11.5	--
09...	0944	80513	80020	70.0	36	7.30	7.5	11.4	--
09...	0946	80513	80020	80.0	36	7.22	7.5	11.3	--
09...	0948	80513	80020	90.0	36	7.19	7.5	11.3	--
09...	0950	80513	80020	100	36	7.16	7.5	11.3	--
09...	0952	80513	80020	110	36	7.08	7.5	11.3	--
09...	0954	80513	80020	120	37	7.03	7.5	11.2	--
09...	0956	80513	80020	130	36	7.00	7.5	10.9	--
09...	0958	80513	80020	140	37	6.96	7.0	10.7	--
09...	1000	80513	80020	150	37	6.92	7.0	10.7	--
09...	1002	80513	80020	155	39	6.92	7.0	10.7	--
APR									
13...	1000	80513	80020	0.0	37	7.84	14.5	10.9	5.50
13...	1002	80513	80020	5.00	37	7.76	13.5	11.1	--
13...	1004	80513	80020	10.0	37	7.78	13.0	11.3	--
13...	1006	80513	80020	20.0	37	7.65	11.5	11.3	--
13...	1008	80513	80020	30.0	37	7.47	11.0	11.2	--
13...	1010	80513	80020	40.0	37	7.33	11.0	10.7	--
13...	1012	80513	80020	50.0	37	7.19	10.5	10.6	--
13...	1014	80513	80020	60.0	38	7.10	10.0	10.6	--
13...	1016	80513	80020	70.0	38	7.01	9.5	10.5	--
13...	1018	80513	80020	80.0	38	6.98	9.5	10.4	--
13...	1020	80513	80020	90.0	38	6.92	9.0	10.3	--
13...	1022	80513	80020	100	39	6.89	8.5	10.1	--
13...	1024	80513	80020	110	38	6.86	8.0	9.9	--
13...	1026	80513	80020	120	38	6.79	8.0	10.0	--
13...	1028	80513	80020	130	38	6.76	7.5	9.8	--
13...	1030	80513	80020	140	38	6.69	7.5	9.7	--
13...	1032	80513	80020	150	38	6.63	7.5	9.7	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MAY								
19...	1415	80513	80020	0.0	39	7.42	26.5	8.5
19...	1416	80513	80020	3.00	39	7.33	26.5	8.5
19...	1418	80513	80020	9.00	39	7.59	25.5	8.8
19...	1420	80513	80020	10.0	39	7.70	25.0	8.9
19...	1422	80513	80020	14.0	41	8.36	24.0	9.7
19...	1424	80513	80020	15.0	41	8.61	22.5	10.2
19...	1426	80513	80020	16.0	41	8.71	22.0	10.6
19...	1428	80513	80020	17.0	41	8.75	21.5	10.8
19...	1430	80513	80020	19.0	41	8.82	20.5	11.2
19...	1432	80513	80020	20.0	41	8.91	20.0	11.5
19...	1434	80513	80020	21.0	41	8.97	19.0	11.9
19...	1436	80513	80020	22.0	41	8.97	18.5	11.9
19...	1438	80513	80020	24.0	41	8.99	17.5	11.9
19...	1440	80513	80020	25.0	41	8.97	16.5	12.0
19...	1442	80513	80020	26.0	41	9.05	15.5	12.0
19...	1444	80513	80020	27.0	40	9.00	15.0	12.0
19...	1446	80513	80020	30.0	40	8.97	14.0	12.0
19...	1448	80513	80020	33.0	40	8.89	13.0	11.8
19...	1450	80513	80020	37.0	39	8.62	12.0	11.6
19...	1452	80513	80020	40.0	39	8.40	12.0	11.5
19...	1454	80513	80020	50.0	38	7.86	11.0	10.3
19...	1456	80513	80020	60.0	40	7.50	10.5	9.7
19...	1458	80513	80020	70.0	40	7.34	10.0	9.6
19...	1500	80513	80020	80.0	39	7.19	9.5	9.6
19...	1502	80513	80020	90.0	39	7.11	9.0	9.5
19...	1504	80513	80020	100	40	7.04	8.5	9.4
19...	1506	80513	80020	110	39	6.92	8.0	9.2
19...	1508	80513	80020	120	38	6.86	8.0	9.1
19...	1510	80513	80020	130	39	6.78	8.0	9.0
19...	1512	80513	80020	140	39	6.72	8.0	9.0
19...	1514	80513	80020	150	39	6.68	8.0	8.9

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, O.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
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MAY								
19...	1415	4.00	0	--	--	--	--	--
19...	1440	--	--	3	1.2	0.7	15	4.2
19...	1504	--	--	2	0.40	0.5	14	4.2

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
------	------	---	--	--	---	---	--	--

MAY								
19...	1416	--	--	<0.100	0.010	<0.010	0.800	<0.100
19...	1440	1.0	13	<0.100	0.010	<0.010	--	--
19...	1504	0.90	13	0.100	<0.010	<0.010	--	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CW) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)
JUN							
08.	0944	80513	80020	0.0	40	6.93	26.5
08.	0945	80513	80020	3.00	40	6.88	26.5
08.	0947	80513	80020	10.0	39	6.81	26.5
08.	0949	80513	80020	18.0	39	7.18	25.5
08.	0951	80513	80020	20.0	39	7.48	24.5
08.	0953	80513	80020	21.0	40	8.06	23.0
08.	0955	80513	80020	22.0	40	8.17	22.5
08.	0957	80513	80020	23.0	40	8.17	21.5
08.	0959	80513	80020	24.0	39	8.15	20.0
08.	1001	80513	80020	25.0	39	8.24	19.0
08.	1003	80513	80020	26.0	39	8.30	17.5
08.	1005	80513	80020	28.0	39	8.36	17.0
08.	1007	80513	80020	29.0	39	8.39	16.0
08.	1009	80513	80020	30.0	39	8.40	15.5
08.	1011	80513	80020	32.0	39	8.42	14.5
08.	1013	80513	80020	36.0	39	8.35	13.5
08.	1015	80513	80020	40.0	39	7.95	12.5
08.	1017	80513	80020	45.0	39	7.59	12.0
08.	1019	80513	80020	50.0	38	7.33	11.0
08.	1021	80513	80020	60.0	38	7.14	10.5
08.	1023	80513	80020	70.0	39	7.01	10.0
08.	1025	80513	80020	80.0	39	6.90	9.5
08.	1027	80513	80020	90.0	39	6.81	9.0
08.	1029	80513	80020	100	39	6.73	8.5
08.	1031	80513	80020	110	38	6.67	8.0
08.	1033	80513	80020	120	38	6.60	8.0
08.	1035	80513	80020	130	40	6.58	8.0
08.	1037	80513	80020	140	39	6.54	8.0
08.	1039	80513	80020	150	39	6.50	8.0

DATE	TIME	OXYGEN, DIS- SOLVED (MG/L) (00300)	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						
08.	0944	8.2	4.50	--	--	--
08.	0945	8.1	--	<0.100	0.020	<0.010
08.	0947	8.1	--	--	--	--
08.	0949	8.7	--	--	--	--
08.	0951	9.6	--	--	--	--
08.	0953	10.7	--	--	--	--
08.	0955	11.1	--	--	--	--
08.	0957	11.0	--	--	--	--
08.	0959	11.3	--	--	--	--
08.	1001	11.6	--	--	--	--
08.	1003	11.8	--	--	--	--
08.	1005	11.8	--	--	--	--
08.	1007	11.8	--	--	--	--
08.	1009	11.9	--	--	--	--
08.	1011	12.0	--	--	--	--
08.	1013	11.8	--	--	--	--
08.	1015	11.5	--	--	--	--
08.	1017	10.7	--	--	--	--
08.	1019	9.9	--	--	--	--
08.	1021	9.5	--	--	--	--
08.	1023	9.5	--	--	--	--
08.	1025	9.5	--	--	--	--
08.	1027	9.4	--	--	--	--
08.	1029	9.2	--	--	--	--
08.	1031	8.9	--	--	--	--
08.	1033	8.7	--	--	--	--
08.	1035	8.6	--	--	--	--
08.	1037	8.4	--	--	--	--
08.	1039	8.2	--	--	--	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL								
13...	1015	80513	80020	0.0	38	7.20	29.0	7.6
13...	1016	80513	80020	3.00	38	7.08	29.0	7.6
13...	1018	80513	80020	10.0	38	6.97	29.0	7.5
13...	1020	80513	80020	20.0	38	6.98	29.0	7.5
13...	1022	80513	80020	23.0	39	6.98	28.5	7.6
13...	1024	80513	80020	24.0	39	7.08	27.0	8.7
13...	1026	80513	80020	25.0	39	7.86	24.5	10.5
13...	1028	80513	80020	26.0	40	8.43	23.0	11.5
13...	1030	80513	80020	27.0	40	8.61	22.0	11.8
13...	1032	80513	80020	28.0	40	8.76	20.0	12.3
13...	1034	80513	80020	29.0	40	8.81	18.5	12.4
13...	1036	80513	80020	30.0	40	8.85	17.5	12.1
13...	1038	80513	80020	31.0	39	8.80	16.0	12.2
13...	1040	80513	80020	33.0	39	8.73	15.0	11.9
13...	1042	80513	80020	35.0	38	8.46	14.0	11.6
13...	1044	80513	80020	38.0	38	8.09	13.0	11.1
13...	1046	80513	80020	40.0	37	7.86	12.5	10.9
13...	1048	80513	80020	45.0	37	7.59	12.0	9.6
13...	1050	80513	80020	50.0	38	7.31	11.0	8.9
13...	1052	80513	80020	60.0	38	7.08	10.5	8.6
13...	1054	80513	80020	70.0	38	7.00	10.0	8.4
13...	1056	80513	80020	80.0	38	6.89	9.5	8.6
13...	1058	80513	80020	90.0	37	6.82	9.0	8.5
13...	1100	80513	80020	100	40	6.87	8.5	7.3
13...	1102	80513	80020	110	39	6.79	8.5	8.0
13...	1104	80513	80020	120	42	6.60	8.0	7.7
13...	1106	80513	80020	130	42	6.55	8.0	7.5
13...	1108	80513	80020	140	39	6.52	8.0	7.4
13...	1110	80513	80020	150	41	6.50	8.0	7.0
13...	1112	80513	80020	151	41	6.50	8.0	6.6

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	NITRO- GEN, NO2+N03 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							
13...	1015	4.00	--	--	--	--	--
13...	1016	--	<0.100	0.010	<0.010	0.500	<0.100

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)
AUG										
25...	1445	80513	80020	0.0	40	7.20	28.5	7.5	--	--
25...	1446	80513	80020	3.00	40	7.24	28.5	7.5	--	--
25...	1448	80513	80020	10.0	40	7.35	28.5	7.5	--	--
25...	1450	80513	80020	20.0	41	7.30	28.0	7.6	--	--
25...	1452	80513	80020	24.0	40	7.27	27.5	7.8	--	--
25...	1454	80513	80020	25.0	39	7.29	27.0	9.1	2	0.40
25...	1456	80513	80020	26.0	39	7.48	25.5	10.0	--	--
25...	1458	80513	80020	27.0	38	7.68	25.0	10.1	--	--
25...	1500	80513	80020	28.0	39	7.75	24.5	10.3	--	--
25...	1502	80513	80020	29.0	39	7.82	23.5	10.6	--	--
25...	1504	80513	80020	30.0	39	7.86	22.5	10.7	--	--
25...	1506	80513	80020	31.0	39	7.92	21.5	10.9	--	--
25...	1508	80513	80020	32.0	40	7.93	20.5	11.0	--	--
25...	1510	80513	80020	33.0	39	8.02	19.0	11.2	--	--
25...	1512	80513	80020	34.0	39	8.14	18.0	11.2	--	--
25...	1514	80513	80020	35.0	39	7.99	17.5	11.2	--	--
25...	1516	80513	80020	36.0	39	7.81	16.5	11.0	--	--
25...	1518	80513	80020	37.0	39	7.73	15.5	10.8	--	--
25...	1520	80513	80020	39.0	37	7.50	14.5	10.5	--	--
25...	1522	80513	80020	40.0	38	7.39	14.0	10.5	--	--
25...	1524	80513	80020	44.0	38	7.22	13.0	9.8	--	--
25...	1526	80513	80020	47.0	38	7.09	12.5	9.4	--	--
25...	1528	80513	80020	50.0	38	6.96	12.0	8.6	--	--
25...	1530	80513	80020	57.0	38	6.79	11.0	8.1	--	--
25...	1532	80513	80020	60.0	38	6.73	11.0	8.0	--	--
25...	1534	80513	80020	70.0	38	6.63	10.5	7.8	--	--
25...	1536	80513	80020	80.0	39	6.57	10.0	7.6	--	--
25...	1538	80513	80020	90.0	39	6.53	9.5	7.4	--	--
25...	1540	80513	80020	100	40	6.47	9.0	7.1	2	0.30
25...	1542	80513	80020	110	40	6.42	8.5	6.7	--	--
25...	1544	80513	80020	120	40	6.38	8.5	6.3	--	--
25...	1546	80513	80020	130	41	6.36	8.0	6.0	--	--
25...	1548	80513	80020	140	41	6.31	8.0	5.6	--	--
25...	1550	80513	80020	147	41	6.28	8.0	5.5	--	--

DATE	TIME	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	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...	1446	--	--	--	<0.100	0.020	<0.010	0.700	0.100
25...	1454	13	3.9	0.80	<0.100	0.020	<0.010	--	--
25...	1540	17	5.0	1.0	0.100	0.010	<0.010	--	--

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	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											
01...	0945	80513	80020	0.0	39	6.49	27.0	7.9	6.60	--	--
01...	0946	80513	80020	3.00	39	6.56	27.0	7.8	--	0.800	0.100
01...	0948	80513	80020	10.0	40	6.76	27.0	7.8	--	--	--
01...	0950	80513	80020	20.0	40	6.90	27.0	7.8	--	--	--
01...	0952	80513	80020	26.0	40	6.82	26.5	8.6	--	--	--
01...	0954	80513	80020	27.0	39	6.88	25.0	9.8	--	--	--
01...	0956	80513	80020	28.0	39	6.99	23.5	10.4	--	--	--
01...	0958	80513	80020	29.0	39	7.29	23.0	10.5	--	--	--
01...	1000	80513	80020	30.0	39	7.36	21.5	10.8	--	--	--
01...	1002	80513	80020	31.0	38	7.57	19.5	11.0	--	--	--
01...	1004	80513	80020	32.0	38	7.51	17.5	11.1	--	--	--
01...	1006	80513	80020	33.0	38	7.38	16.5	10.8	--	--	--
01...	1008	80513	80020	35.0	37	7.17	15.5	10.8	--	--	--
01...	1010	80513	80020	36.0	37	7.09	15.0	10.6	--	--	--
01...	1012	80513	80020	38.0	37	7.04	14.0	10.5	--	--	--
01...	1014	80513	80020	40.0	38	7.06	13.5	10.2	--	--	--
01...	1016	80513	80020	45.0	38	7.02	12.5	8.8	--	--	--
01...	1018	80513	80020	50.0	38	6.68	11.5	8.4	--	--	--
01...	1020	80513	80020	60.0	38	6.58	11.0	8.1	--	--	--
01...	1022	80513	80020	70.0	39	6.50	10.5	7.6	--	--	--
01...	1024	80513	80020	80.0	40	6.44	9.5	7.5	--	--	--
01...	1026	80513	80020	90.0	40	6.40	9.0	7.4	--	--	--
01...	1028	80513	80020	100	39	6.37	9.0	7.1	--	--	--
01...	1030	80513	80020	110	39	6.32	8.5	6.8	--	--	--
01...	1032	80513	80020	120	38	6.23	8.5	6.2	--	--	--
01...	1034	80513	80020	130	41	6.20	8.0	5.9	--	--	--
01...	1036	80513	80020	140	39	6.19	8.0	5.6	--	--	--
01...	1038	80513	80020	147	39	6.15	8.0	5.4	--	--	--

WHITE RIVER BASIN

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07076000 LITTLE RED RIVER NEAR HEBER SPRINGS, ARK.

LOCATION.--Lat 35°31'02", long 91°59'50", in NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CW) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)
OCT										
06...	1130	80513	80020	41	7.30	12.0	12.7	--	--	--
NOV										
03...	1100	80513	80020	43	6.95	10.0	12.1	--	--	--
DEC										
02...	1045	80513	80020	42	6.94	9.5	9.4	--	--	--
JAN										
21...	1600	80513	80020	42	7.19	8.0	11.9	1	3	0.50
FEB										
03...	1030	80513	80020	38	7.37	8.0	12.4	--	--	--
MAR										
09...	1015	80513	80020	35	7.32	7.5	11.4	--	--	--
APR										
13...	1050	80513	80020	38	5.43	8.0	10.2	--	--	--
MAY										
19...	1530	80513	80020	39	7.25	10.0	9.5	3	2	0.50
JUN										
08...	1050	80513	80020	39	7.02	12.5	10.2	--	--	--
JUL										
13...	1130	80513	80020	39	7.11	13.0	9.6	--	--	--
AUG										
25...	1415	80513	80020	42	6.75	14.5	10.3	6	3	0.60
SEP										
01...	1045	80513	80020	40	7.00	12.0	9.4	--	--	--

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WH WAT TOTAL FIELD 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)
JAN									
21...	1600	0.7	14	--	--	13	0.200	0.020	<0.010
MAY									
19...	1530	0.5	15	4.5	1.0	13	<0.100	0.010	<0.010
AUG									
25...	1415	1.3	14	4.3	0.90	14	<0.100	0.030	<0.010

07076620 LITTLE RED RIVER NEAR SEARCY, ARK

LOCATION.--Lat 35°16'57", long 91°43'09", in NW ¼ NE ¼ 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: Oct. 1 to Dec. 29 and July 12 to Aug. 28. Records fair except for estimated daily discharges, which are poor. Flow regulated since Mar. 30, 1982, by Greens 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, 23,400 ft³/s Feb. 28; maximum gage height, 33.88 ft Mar. 1; minimum daily discharge, 85 ft³/s Dec. 28.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e450	e120	e140	560	2610	18900	6770	469	899	338	e740	192
2	e310	e110	e120	245	1010	15500	5660	155	1100	257	e1100	192
3	e450	e240	e110	199	696	8770	5770	233	543	222	e1300	192
4	e350	e460	e110	221	586	4770	6790	207	372	544	e1300	192
5	e290	e540	e100	258	534	7700	5160	396	296	816	e470	234
6	e260	e350	e100	260	1550	8670	4980	516	298	519	e350	269
7	e230	e240	e95	244	2310	4230	5740	248	365	895	e650	337
8	e550	e200	e90	223	2090	4930	3620	598	439	510	e770	379
9	e1500	e180	e90	427	649	4960	1950	407	749	275	e340	242
10	e2300	e170	e470	1520	1660	7830	1200	488	539	666	e450	242
11	e600	e1300	e600	1390	650	9150	424	531	464	290	e560	184
12	e350	e1900	e130	903	493	12000	167	423	249	e250	e600	389
13	e350	e1000	e95	714	370	8920	241	222	319	e390	e480	269
14	e520	e1800	e95	621	310	3510	312	403	203	e540	e450	192
15	e700	e2300	e640	550	631	124	353	609	183	e590	e380	176
16	e370	e600	e820	490	8250	3720	578	365	161	e1500	e350	242
17	e250	e280	e300	449	7500	6090	1360	277	296	e1700	e530	216
18	e180	e200	e150	551	5660	13800	1630	286	1200	e450	e600	192
19	e150	e170	e120	874	6990	9760	1900	1890	1940	e360	e410	297
20	e150	e140	e110	772	7080	7340	1700	2410	557	e1000	e370	317
21	e140	e270	e100	675	6800	6630	1230	1820	454	e1200	e360	161
22	e150	e360	e100	1020	3790	6120	1530	815	650	e810	e310	184
23	e150	e210	e95	863	3810	3600	945	734	1280	e840	e280	242
24	e150	e160	e95	521	5380	11000	322	692	691	e600	e290	192
25	e150	e130	e90	470	5870	9220	428	556	566	e670	e450	192
26	e150	e110	e90	434	6040	7830	498	476	440	e500	e270	379
27	e140	e100	e90	410	7020	7280	220	1020	2360	e1200	e370	327
28	e400	e350	e85	3660	16700	6300	361	611	668	e1500	e800	288
29	e470	e410	e180	3070	---	4640	261	397	549	e1100	368	269
30	e190	e190	246	3190	---	7670	781	356	411	e1400	279	317
31	e130	---	830	3320	---	10700	---	340	---	e620	327	---
TOTAL	12530	14590	6486	29104	107039	241664	62881	18950	19241	22552	16304	7496
MEAN	404	486	209	939	3823	7796	2096	611	641	727	526	250
MAX	2300	2300	830	3660	16700	18900	6790	2410	2360	1700	1300	389
MIN	130	100	85	199	310	124	167	155	161	222	270	161
AC-FT	24850	28940	12860	57730	212300	479300	124700	37590	38160	44730	32340	14870

CAL YR 1986 TOTAL 563819 MEAN 1545 MAX 8000 MIN .00 AC-FT 1118000
WTR YR 1987 TOTAL 558837 MEAN 1531 MAX 18900 MIN 85 AC-FT 1108000

e Estimated

WHITE RIVER BASIN

203

07076626 LITTLE RED RIVER ABOVE SEARCY, ARK.

LOCATION.--Lat 35°16'12", long 91°42'26", in SE ¼ SW ¼ sec.36, T.8 N., R.7 W., White County, Hydrologic Unit 11010014, 1,200 ft downstream from lower dam at bridge on State Highway 367 at Searcy, Ark.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
DEC									
10...	0800	9827	9827	6.82	9.0	--	9.4	2.4	1600
JAN									
14...	0804	9827	9827	7.17	5.0	15	12.5	1.2	--
FEB									
10...	0755	9827	9827	7.46	7.0	5.0	--	0.9	8
MAR									
10...	0800	9827	9827	7.49	7.0	3.2	11.3	0.7	4
APR									
07...	0755	9827	9827	7.39	9.0	3.8	11.0	0.3	12
MAY									
12...	0800	9827	9827	7.72	21.0	4.5	8.5	0.8	8
JUN									
09...	0755	9827	9827	7.49	24.0	5.2	7.9	0.9	28
JUL									
07...	0750	9827	9827	6.84	24.0	5.4	8.0	0.9	24
AUG									
11...	0740	9827	9827	7.17	25.0	4.2	7.7	1.1	8
SEP									
08...	0820	9827	9827	7.22	24.0	2.8	--	0.9	4
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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
DEC									
10...	0800	16	--	3.0	42	--	--	0.050	0.10
JAN									
14...	0804	16	5.0	5.0	44	5	0.440	0.040	<0.10
FEB									
10...	0755	16	2.0	2.5	40	3	0.170	0.010	<0.10
MAR									
10...	0800	22	1.0	2.5	37	7	0.130	0.020	<0.10
APR									
07...	0755	16	3.0	2.5	22	5	0.120	<0.010	0.20
MAY									
12...	0800	16	3.0	3.5	40	7	0.030	0.030	0.20
JUN									
09...	0755	18	2.0	2.0	38	7	0.020	<0.010	0.70
JUL									
07...	0750	20	1.0	3.0	42	9	0.090	0.020	0.40
AUG									
11...	0740	26	3.0	3.0	20	5	0.080	0.060	0.50
SEP									
08...	0820	16	--	2.0	41	7	0.080	0.110	0.30

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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)
DEC									
10...	0800	0.180	--	<1	--	<15	--	--	10
JAN									
14...	0804	0.050	0.010	<1	--	--	<1	--	--
FEB									
10...	0755	0.020	<0.010	--	<1	<15	1	--	30
MAR									
10...	0800	0.010	<0.010	<1	<1	<15	--	--	--
APR									
07...	0755	0.020	<0.010	<1	<1	<15	1	--	--
MAY									
12...	0800	0.020	0.010	--	1	<15	<1	--	20
JUN									
09...	0755	0.040	0.010	--	--	15	<1	--	30
JUL									
07...	0750	0.040	0.010	<1	<1	<15	6	<0.50	10
AUG									
11...	0740	--	--	--	<1	<15	2	--	20
SEP									
08...	0820	--	0.040	<1	1	<15	--	--	<10

WHITE RIVER BASIN

205

07076632 LITTLE RED RIVER BELOW SEARCY, ARK.

LOCATION.--Lat 35°15'19", long 91°40'34", in SW ¼ SW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
07...	0820	9827	9827	7.24	18.0	7.0	7.5	2.7	20
28...	0807	9827	9827	7.18	15.0	3.0	7.9	2.0	--
DEC									
10...	0815	9827	9827	6.86	9.0	--	9.4	2.3	1600
JAN									
14...	0830	9827	9827	7.20	5.0	15	12.6	1.1	--
FEB									
10...	0810	9827	9827	7.42	--	5.0	--	0.7	--
MAR									
10...	0815	9827	9827	7.54	7.0	3.1	11.3	0.5	16
APR									
07...	0815	9827	9827	7.48	9.0	3.3	10.8	0.2	4
MAY									
12...	0815	9827	9827	7.60	22.0	5.5	8.1	1.1	870
JUN									
09...	0805	9827	9827	7.47	25.0	8.4	--	1.0	56
JUL									
07...	0815	9827	9827	6.77	24.0	6.5	7.6	0.9	490
AUG									
11...	0800	9827	9827	7.22	25.0	5.4	7.4	0.9	48
SEP									
08...	0845	9827	9827	7.13	24.0	4.5	--	0.9	860
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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
07...	0820	18	5.0	2.5	245	12	0.070	--	1.1
28...	0807	22	--	4.5	61	5	--	--	0.30
DEC									
10...	0815	14	--	3.0	46	--	--	0.080	<0.10
JAN									
14...	0830	14	6.0	5.0	43	6	0.430	0.040	<0.10
FEB									
10...	0810	16	2.0	1.5	28	1	0.150	0.040	<0.10
MAR									
10...	0815	16	2.0	1.5	40	5	0.130	0.020	<0.10
APR									
07...	0815	22	3.0	2.0	12	7	0.110	0.090	0.10
MAY									
12...	0815	16	3.0	3.5	36	9	0.020	0.050	0.70
JUN									
09...	0805	16	3.0	1.5	40	17	0.010	<0.010	0.50
JUL									
07...	0815	16	1.0	2.5	42	13	0.080	0.050	0.40
AUG									
11...	0800	22	3.0	2.0	23	7	0.080	0.030	0.50
SEP									
08...	0845	18	--	2.5	41	8	0.060	0.050	0.90

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
07...	0820	0.150	0.120	<1	<1	<15	1	--	20
28...	0807	0.400	0.300	1	<1	<15	<1	--	30
DEC									
10...	0815	0.180	--	<1	--	<15	--	--	90
JAN									
14...	0830	0.050	0.020	<1	--	--	<1	--	--
FEB									
10...	0810	0.030	<0.010	--	<1	<15	2	--	170
MAR									
10...	0815	0.030	<0.010	<1	<1	16	--	--	--
APR									
07...	0815	0.020	<0.010	<1	<1	<15	<1	--	--
MAY									
12...	0815	0.040	0.010	--	1	<15	<1	--	30
JUN									
09...	0805	0.070	0.020	--	--	<15	<1	--	50
JUL									
07...	0815	0.050	0.020	<1	<1	<15	4	<0.50	20
AUG									
11...	0800	--	--	--	<1	<15	1	--	30
SEP									
08...	0845	--	0.020	<1	<1	<15	--	--	10

WHITE RIVER BASIN

207

07076950 WATTENSAW BAYOU NEAR HAZEN, ARK.

LOCATION.--Lat 34°52'34", long 91°33'56", in SE ¼ SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
21.	1205	9827	9827	7.72	18.0	--	6.0	1.3	1100
DEC									
02.	1100	9827	9827	7.11	7.0	40	8.1	1.3	96
29.	1230	9827	9827	7.39	4.0	30	10.5	1.4	110
JAN									
27.	1320	9827	9827	7.55	3.0	25	12.6	1.4	24
FEB									
24.	1340	9827	9827	7.32	9.0	40	9.9	2.6	50
MAR									
17.	1250	9827	9827	--	11.0	45	8.0	6.0	320
APR									
21.	1350	9827	9827	7.73	25.0	--	7.9	--	52
MAY									
26.	1620	9827	9827	7.55	24.0	65	5.7	3.0	10
JUN									
23.	1515	9827	9827	7.56	26.0	15	2.4	3.3	170
JUL									
21.	1655	9827	9827	7.71	27.0	35	--	--	60
SEP									
15.	1530	9827	9827	7.74	24.0	7.8	5.7	>4.7	4
22.	1230	9827	9827	7.42	18.0	15	7.1	3.0	110

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									
21.	1205	160	--	48	285	12	0.060	0.040	0.070
DEC									
02.	1100	32	--	12	113	--	0.130	0.060	0.190
29.	1230	44	7.0	11	12	11	0.160	--	0.110
JAN									
27.	1320	36	--	12	97	10	0.140	--	0.110
FEB									
24.	1340	30	8.0	6.0	111	19	0.200	0.040	0.150
MAR									
17.	1250	68	9.0	17	147	58	0.080	0.140	0.300
APR									
21.	1350	88	17	16	163	10	0.090	0.050	0.200
MAY									
26.	1620	--	6.0	6.0	111	53	0.240	0.130	0.240
JUN									
23.	1515	130	5.0	30	225	--	0.200	--	0.250
JUL									
21.	1655	92	4.0	17	143	53	0.020	<0.010	0.230
SEP									
15.	1530	160	4.0	42	267	15	0.030	0.030	0.170
22.	1230	58	--	15	117	21	0.140	0.060	0.170

WHITE RIVER BASIN

07076950 WATTENSAW BAYOU NEAR HAZEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
21.	1205	0.020	<1	<1	<15	--	--	<10
DEC								
02.	1100	0.130	--	--	<15	3	--	10
29.	1230	--	3	--	<15	2	--	20
JAN								
27.	1320	0.080	--	2	--	1	--	--
FEB								
24.	1340	0.080	<1	1	<15	1	--	10
MAR								
17.	1250	0.070	--	<1	15	--	--	--
APR								
21.	1350	0.060	--	1	<15	2	--	--
MAY								
26.	1620	0.140	--	1	<15	3	--	10
JUN								
23.	1515	0.090	<1	3	--	3	--	--
JUL								
21.	1655	0.070	<1	2	<15	3	<0.50	<10
SEP								
15.	1530	0.050	1	<1	<15	4	--	30
22.	1230	0.070	<1	<1	<15	<1	--	30

WHITE RIVER BASIN

209

07077000 WHITE RIVER AT DEVALLS BLUFF, ARK.

LOCATION.--Lat 34°47'25", long 91°26'45", in SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, UM-WF (COLS./ 100 ML) (31616)
OCT									
21.	1245	9827	9827	8.40	18.0	--	10.3	2.0	8
DEC									
02.	1145	9827	9827	8.12	10.0	7.5	10.8	1.3	4
29.	1315	9827	9827	8.19	7.0	15	11.9	1.1	<4
JAN									
27.	1400	9827	9827	8.28	4.0	15	13.2	0.9	<4
FEB									
24.	1420	9827	9827	8.02	7.0	35	11.3	1.0	55
MAR									
17.	1320	9827	9827	--	11.0	30	10.4	1.4	10
APR									
21.	1310	9827	9827	8.14	18.0	--	10.2	--	8
MAY									
26.	1655	9827	9827	8.27	24.0	25	10.9	3.1	<10
JUN									
23.	1440	9827	9827	8.33	20.0	30	8.7	3.4	10
JUL									
21.	1800	9827	9827	8.54	27.0	20	--	--	4
SEP									
15.	1630	9827	9827	8.37	24.0	10	8.2	3.5	8
22.	1310	9827	9827	8.61	19.0	7.0	10.1	2.5	4
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- PENDE (MG/L) (00530)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
21.	1245	150	--	4.0	189	23	0.230	0.030	0.050
DEC									
02.	1145	140	--	5.5	146	--	0.200	0.020	0.020
29.	1315	150	5.0	4.0	163	30	0.230	--	0.050
JAN									
27.	1400	150	--	4.0	163	21	0.170	--	0.050
FEB									
24.	1420	98	6.0	4.0	146	42	0.360	0.030	0.100
MAR									
17.	1320	110	6.0	4.5	137	34	0.170	<0.010	0.110
APR									
21.	1310	130	9.0	3.0	153	36	0.200	0.030	0.060
MAY									
26.	1655	--	3.0	5.0	154	47	0.090	<0.010	0.120
JUN									
23.	1440	140	3.0	4.5	158	--	0.090	--	0.140
JUL									
21.	1800	160	3.0	3.5	168	29	0.010	0.010	0.130
SEP									
15.	1630	160	4.0	6.0	185	16	0.030	0.020	--
22.	1310	150	--	4.5	169	22	0.010	<0.010	0.060

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
21.	1245	0.010	<1	1	<15	--	--	<10
DEC								
02.	1145	0.030	--	--	<15	<1	--	<10
29.	1315	--	2	--	<15	3	--	10
JAN								
27.	1400	0.030	--	2	--	2	--	--
FEB								
24.	1420	0.050	<1	1	<15	1	--	10
MAR								
17.	1320	0.020	--	<1	<15	--	--	--
APR								
21.	1310	0.020	--	1	<15	9	--	--
MAY								
26.	1655	0.030	--	2	16	8	--	10
JUN								
23.	1440	<0.010	<1	4	--	2	--	--
JUL								
21.	1800	0.040	<1	2	<15	10	<0.50	10
SEP								
15.	1630	0.010	1	1	15	6	--	30
22.	1310	<0.010	<1	<1	<15	<1	--	<10

WHITE RIVER BASIN

211

07077380 CACHE RIVER AT EGYPT, ARK.

LOCATION.--Lat 35°51'28", long 90°56'00", in NW ¼ SE ¼ 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 U.S. Army 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.--Records good except for estimated daily discharges, Apr. 23 to May 5, which are fair.

AVERAGE DISCHARGE.--23 years, 830 ft³/s, 16.08 in/yr, 601,300 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, 4,060 ft³/s Mar. 2, gage height, 18.68 ft; minimum, 13 ft³/s Oct. 22, 23, gage height, 4.32 ft.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	26	142	58	65	3950	233	e20	64	877	263	166
2	25	20	206	67	154	4050	167	e20	53	1640	223	133
3	45	17	207	79	747	4000	124	e20	249	1760	196	107
4	59	15	177	56	789	3860	107	e20	165	1690	173	120
5	42	21	136	51	519	3630	81	e20	51	1520	236	108
6	36	23	103	52	309	3320	73	285	e35	943	474	85
7	61	26	101	56	213	2850	57	319	e25	501	601	71
8	54	587	223	287	164	2300	45	162	e20	287	457	59
9	39	923	2770	585	115	1870	37	64	e15	202	360	63
10	31	652	3480	1210	92	1290	30	e40	e15	156	298	55
11	24	604	3290	1400	79	813	27	e35	e20	130	687	70
12	31	584	2260	1050	76	504	26	e35	e30	122	752	392
13	51	335	1110	667	107	309	25	e60	e40	131	516	317
14	100	182	567	416	130	180	157	197	45	176	344	191
15	107	114	336	322	1080	116	947	260	63	194	272	122
16	74	82	236	266	2630	89	1020	130	56	166	224	156
17	49	68	192	233	2960	89	790	83	121	121	219	579
18	33	60	150	236	2830	1930	387	52	204	106	244	835
19	25	47	115	384	2490	2570	190	49	431	109	335	776
20	19	44	103	397	1750	2210	102	e40	509	98	336	575
21	16	44	89	288	969	1470	70	e40	666	84	313	374
22	14	39	81	214	536	643	55	e35	563	80	271	245
23	14	33	75	161	287	295	e45	e35	985	127	214	167
24	47	33	69	123	167	340	e40	e35	1860	210	181	130
25	243	66	66	73	118	261	e35	e65	1170	722	181	e110
26	314	396	64	91	213	185	e35	192	861	1060	175	e95
27	206	567	65	106	1680	115	e30	123	525	945	173	e80
28	121	415	64	81	3230	78	e25	55	270	686	175	e70
29	74	259	68	79	---	63	e25	40	144	425	160	e65
30	48	171	81	71	---	98	e25	40	131	348	176	e60
31	33	---	73	66	---	220	---	62	---	292	177	---
TOTAL	2055	6453	16699	9225	24499	43698	5010	2633	9386	15908	9406	6376
MEAN	66.3	215	539	298	875	1410	167	84.9	313	513	303	213
MAX	314	923	3480	1400	3230	4050	1020	319	1860	1760	752	835
MIN	14	15	64	51	65	63	25	20	15	80	160	55
AC-FT	4080	12800	33120	18300	48590	86670	9940	5220	18620	31550	18660	12650
CFSM	.09	.31	.77	.42	1.25	2.01	.24	.12	.45	.73	.43	.30
IN.	.11	.34	.89	.49	1.30	2.32	.27	.14	.50	.84	.50	.34

CAL YR 1986 TOTAL 189236 MEAN 518 MAX 3480 MIN 14 AC-FT 375300 CFSM .74 IN. 10.0
WTR YR 1987 TOTAL 151348 MEAN 415 MAX 4050 MIN 14 AC-FT 300200 CFSM .59 IN. 8.03

e Estimated

WHITE RIVER BASIN

07077500 CACHE RIVER AT PATTERSON, ARK.

LOCATION.--Lat 35°16'10", long 91°14'15", in SE ¼ 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 1986 TO SEPTEMBER 1987

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-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
NOV 13...	0930	80513	80020	1190	146	7.30	8.0	7.0	58	5.4	782
DEC 09...	0930	80513	80020	539	166	7.55	9.0	8.2	71	5.4	761
MAR 11...	0940	80513	80020	3220	69	7.20	9.5	8.0	70	2.8	767
MAY 20...	0945	80513	80020	162	129	7.60	26.0	3.7	46	2.1	758
JUL 22...	0930	80513	80020	191	314	7.85	29.0	4.8	62	3.8	768
AUG 26...	0900	80513	80020	410	377	8.45	27.0	5.2	65	--	761
DATE	TIME	COLI-FORM, FECAL, 0.7 UM-WF (COLS./100 ML) (31625)	STREP-TOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS (MG/L AS CAC03) (00900)	HARD-NESS NONCARB WH WAT TOT FLD (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 13...	0930	3400	4500	44	4	11	4.1	7.8	25	0.5	5.9
DEC 09...	0930	610	3600	49	4	12	4.7	11	30	0.7	5.6
MAR 11...	0940	K44	K150	--	--	--	--	5.3	--	--	2.1
MAY 20...	0945	320	K100	64	0	16	5.9	12	28	0.7	2.6
JUL 22...	0930	K33	K40	120	0	28	11	12	18	0.5	2.2
AUG 26...	0900	K66	K90	150	0	40	13	19	21	0.7	2.4
DATE	TIME	ALKA-LINITY WH WAT TOTAL 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)	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)
NOV 13...	0930	40	25	8.7	<0.10	--	0.020	<0.100	0.040	0.030	1.1
DEC 09...	0930	45	22	13	0.10	0.200	0.020	0.220	0.100	0.040	0.80
MAR 11...	0940	24	31	4.5	0.20	--	0.050	<0.100	0.190	0.080	0.71
MAY 20...	0945	68	13	7.0	0.20	0.410	0.040	0.450	0.070	0.020	1.6
JUL 22...	0930	123	11	9.7	0.30	0.220	0.010	0.230	0.030	0.030	1.6
AUG 26...	0900	167	14	10	0.20	--	<0.010	0.320	<0.010	<0.010	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

[illegible]

WHITE RIVER BASIN

07077555 CACHE RIVER NEAR COTTON PLANT, ARK.

LOCATION.--Lat 35°02'07", long 91°19'19", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.5 N., R.3 W., Woodruff County, Hydrologic Unit 08020302, on left bank on downstream side of bridge on county road, 1.4 mi upstream from Roaring Slough, and 4.2 mi northwest of Cotton Plant.

DRAINAGE AREA.--1,172 mi², of which an estimated 20 mi² is probably noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April to September 1987.

GAGE.--Water-stage recorder. Datum of gage is 164.01 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records good. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period April to September, 1,550 ft³/s July 13, 14, gage height 13.30 ft; minimum discharge, 83 ft³/s May 8, 9, gage height, 4.36 ft.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	168	732	523	319	291
2	---	---	---	---	---	---	---	138	670	584	417	263
3	---	---	---	---	---	---	1150	121	642	619	504	239
4	---	---	---	---	---	---	1000	110	690	665	549	217
5	---	---	---	---	---	---	858	101	787	724	575	199
6	---	---	---	---	---	---	734	94	857	726	573	187
7	---	---	---	---	---	---	618	89	862	716	544	182
8	---	---	---	---	---	---	538	85	801	776	487	175
9	---	---	---	---	---	---	461	83	699	930	421	175
10	---	---	---	---	---	---	405	88	571	1100	361	169
11	---	---	---	---	---	---	365	101	431	1290	330	178
12	---	---	---	---	---	---	425	118	315	1470	337	173
13	---	---	---	---	---	---	394	149	245	1540	341	153
14	---	---	---	---	---	---	331	187	187	1530	349	140
15	---	---	---	---	---	---	285	219	148	1460	367	130
16	---	---	---	---	---	---	255	244	127	1320	385	129
17	---	---	---	---	---	---	237	248	112	1150	398	148
18	---	---	---	---	---	---	208	220	102	980	416	167
19	---	---	---	---	---	---	179	172	101	799	455	183
20	---	---	---	---	---	---	165	136	132	638	484	195
21	---	---	---	---	---	---	188	125	175	480	489	200
22	---	---	---	---	---	---	247	133	229	349	477	194
23	---	---	---	---	---	---	315	153	282	270	451	190
24	---	---	---	---	---	---	386	176	323	236	415	201
25	---	---	---	---	---	---	436	182	338	216	381	227
26	---	---	---	---	---	---	444	222	349	203	362	255
27	---	---	---	---	---	---	420	310	364	200	353	276
28	---	---	---	---	---	---	368	474	382	205	347	283
29	---	---	---	---	---	---	294	613	407	212	339	273
30	---	---	---	---	---	---	220	712	449	221	327	237
31	---	---	---	---	---	---	---	756	---	255	309	---
TOTAL	---	---	---	---	---	---	---	6727	12509	22387	12862	6029
MEAN	---	---	---	---	---	---	---	217	417	722	415	201
MAX	---	---	---	---	---	---	---	756	862	1540	575	291
MIN	---	---	---	---	---	---	---	83	101	200	309	129
AC-FT	---	---	---	---	---	---	---	13340	24810	44400	25510	11960
CFSM	---	---	---	---	---	---	---	.19	.36	.62	.35	.17
IN.	---	---	---	---	---	---	---	.21	.40	.71	.41	.19

WHITE RIVER BASIN

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07077660 BAYOU DEVIEU NEAR GIBSON, ARK.

LOCATION.--Lat 35°47'36", long 90°50'18", in SW ¼ SW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
07.	0800	9827	9827	7.74	19.0	9.0	7.0	2.1	810
28.	0815	9827	9827	7.52	14.0	65	7.3	2.6	--
DEC									
09.	0830	9827	9827	7.09	14.0	500	8.4	6.1	4500
JAN									
13.	0900	9827	9827	7.70	4.0	120	11.8	3.7	--
FEB									
10.	0800	9827	9827	7.92	9.0	30	11.8	7.7	8
MAR									
10.	0815	9827	9827	7.38	10.0	65	9.8	3.2	220
APR									
07.	0830	9827	9827	7.74	12.0	30	9.8	3.3	44
MAY									
26.	1000	9827	9827	7.58	23.0	100	6.2	1.8	1000
JUN									
09.	0830	9827	9827	8.05	23.0	35	7.2	--	120
JUL									
07.	0830	9827	9827	--	25.0	140	6.4	4.4	900
AUG									
11.	0815	9827	9827	7.64	26.0	120	6.2	--	700
SEP									
08.	0800	9827	9827	7.73	25.0	65	4.9	2.4	180

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- 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									
07.	0800	82	28	41	321	15	3.00	0.110	5.60
28.	0815	62	21	23	274	39	1.90	0.120	3.20
DEC									
09.	0830	18	--	3.0	174	--	0.620	0.560	0.450
JAN									
13.	0900	80	24	--	238	57	1.50	--	2.40
FEB									
10.	0800	88	--	39	--	21	2.20	1.40	4.10
MAR									
10.	0815	24	10	8.5	151	39	0.510	0.230	0.980
APR									
07.	0830	58	18	22	140	33	0.930	0.040	1.50
MAY									
26.	1000	48	10	14	168	76	--	--	1.30
JUN									
09.	0830	94	25	49	298	47	1.80	0.080	3.20
JUL									
07.	0830	86	12	14	289	--	1.10	0.440	1.00
AUG									
11.	0815	82	1.0	37	284	59	2.50	--	--
SEP									
08.	0800	130	--	52	371	72	2.10	0.090	5.50

07077660 BAYOU DEVIEW NEAR GIBSON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
07.	0800	--	<1	<1	--	4	--	--
28.	0815	2.40	<1	6	33	7	--	30
DEC								
09.	0830	0.430	<1	18	--	34	--	--
JAN								
13.	0900	1.90	<1	9	20	11	--	--
FEB								
10.	0800	3.80	--	<1	<15	<1	--	<10
MAR								
10.	0815	0.780	<1	<1	16	--	--	10
APR								
07.	0830	1.30	--	<1	9	<1	--	--
MAY								
26.	1000	--	--	--	<15	9	--	10
JUN								
09.	0830	2.70	<1	20	<1	--	--	40
JUL								
07.	0830	0.750	--	5	--	8	0.70	<10
AUG								
11.	0815	1.40	<1	2	<15	1	--	30
SEP								
08.	0800	4.90	<1	4	<15	4	--	30

WHITE RIVER BASIN

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07077700 BAYOU DEVUEW 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DEMAND, BIO-CHEM-ICAL, 5 DAY SATUR-ATION (MG/L) (00301)	OXYGEN, DEMAND, BIO-CHEM-ICAL, 5 DAY SATUR-ATION (MG/L) (00310)	BARO-METRIC PRES-SURE (MM HG) (00025)	COLI-FORM, FECAL, O.7 UM-MF (COLS./100 ML) (31625)
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NOV	13.	0745	80513	80020	122	6.90	8.0	6.8	56	3.4	781	290
DEC	09.	0800	80513	80020	86	7.45	10.0	8.5	76	2.2	759	300
MAR	11.	0800	80513	80020	819	7.40	9.5	7.4	64	3.4	768	K44
MAY	20.	0800	80513	80020	204	7.55	24.5	1.6	19	3.6	757	390
JUL	22.	0730	80513	80020	314	7.75	28.0	4.3	55	4.4	762	K44
AUG	26.	0730	80513	80020	459	8.40	27.0	4.0	50	2.5	761	K100

DATE	TIME	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS (MG/L AS CAC03) (00900)	HARD-NESS NONCARB WH WAT TOT FLD 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 WH WAT TOTAL FIELD MG/L AS CAC03 (00410)
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NOV	13.	0745	3100	38	2	9.4	3.5	6.8	24	0.5	6.3	36
DEC	09.	0800	2900	25	0	6.2	2.2	5.9	30	0.5	4.4	35
MAR	11.	0800	680	28	0	7.1	2.5	5.1	27	0.4	2.0	30
MAY	20.	0800	K170	73	9	19	6.2	11	24	0.6	3.4	64
JUL	22.	0730	K70	130	0	34	10	13	18	0.5	1.9	132
AUG	26.	0730	K70	180	0	46	15	21	20	0.7	3.0	195

DATE	TIME	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)	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)
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NOV	13.	0745	24	7.7	0.10	0.100	0.020	0.120	0.060	0.020	1.6
DEC	09.	0800	15	6.4	0.20	0.210	0.020	0.230	0.080	0.040	0.82
MAR	11.	0800	19	3.5	0.20	--	0.040	<0.100	0.150	0.080	1.5
MAY	20.	0800	20	9.0	0.20	0.180	0.040	0.220	0.350	0.230	2.0
JUL	22.	0730	21	8.1	0.30	0.330	0.060	0.390	0.090	0.070	1.9
AUG	26.	0730	19	15	0.30	--	--	--	0.030	--	0.67

WHITE RIVER BASIN

07077700 BAYOU DEVIEW AT MORTON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

[illegible]

WHITE RIVER BASIN

219

07077820 WHITE RIVER AT ST. CHARLES, ARK.

LOCATION.--Lat 34°22'35", long 91°07'30", in SW ¼ NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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)
NOV										
04...	0927	9827	9827	8.48	16.0	15	10.5	1.4	12	160
DEC										
02...	1026	9827	9827	8.05	9.0	30	10.6	1.1	28	140
JAN										
06...	1035	9827	9827	8.17	6.0	20	12.6	1.1	110	140
FEB										
03...	1034	9827	9827	8.17	8.0	30	--	1.1	16	120
MAR										
03...	1040	9827	9827	7.86	10.0	65	10.0	1.6	80	78
31...	1040	9827	9827	7.82	12.0	30	9.0	1.2	10	94
MAY										
05...	0900	9827	9827	8.20	21.0	35	--	2.0	4	140
JUN										
02...	0816	9827	9827	8.17	26.0	55	7.7	1.4	40	140
30...	0933	9827	9827	8.20	29.0	25	29.0	1.4	12	150
AUG										
04...	0806	9827	9827	8.53	31.0	25	6.9	0.8	190	150
SEP										
01...	1340	9827	9827	8.33	27.0	15	8.4	--	<4	150

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)
NOV										
04...	0927	8.0	2.0	--	42	0.030	<0.010	--	0.010	--
DEC										
02...	1026	8.0	--	161	33	0.200	0.020	0.040	0.060	--
JAN										
06...	1035	--	--	160	21	0.150	0.030	0.060	0.010	<1
FEB										
03...	1034	--	--	151	53	0.180	--	0.090	0.060	--
MAR										
03...	1040	8.0	4.0	98	--	0.260	0.040	0.180	0.060	<1
31...	1040	--	4.5	132	30	0.110	0.070	0.100	0.050	<1
MAY										
05...	0900	6.0	4.5	166	83	0.070	--	0.100	0.050	<1
JUN										
02...	0816	6.0	5.5	153	104	0.280	0.020	0.160	0.050	<1
30...	0933	7.0	6.0	160	60	0.040	0.100	0.110	0.040	<1
AUG										
04...	0806	7.0	5.0	190	49	0.050	0.010	0.080	0.040	<1
SEP										
01...	1340	7.0	8.5	184	21	0.050	0.010	0.060	0.010	<1

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY, TOTAL RECOVERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	BETA BENZENE HEXACHLORIDE TOTAL (UG/L) (39338)	DELTA BENZENE HEXACHLORIDE TOTAL (UG/L) (34259)
NOV 04...	0927	<1	8	1	--	20	<0.002	<0.01	<0.01	<0.01
DEC 02...	1026	--	<15	1	--	--	--	--	--	--
JAN 06...	1035	<1	<15	1	--	--	--	--	--	--
FEB 03...	1034	6	<15	<1	--	10	<0.002	<0.01	<0.01	<0.01
MAR 03...	1040	<1	<15	5	--	10	--	--	--	--
MAR 31...	1040	1	<15	2	--	--	--	--	--	--
MAY 05...	0900	2	<15	1	--	20	<0.002	<0.01	<0.01	<0.01
JUN 02...	0816	14	<15	<1	--	--	--	--	--	--
JUN 30...	0933	1	--	3	<0.50	--	--	--	--	--
AUG 04...	0806	2	16	<1	--	10	<0.002	<0.01	<0.01	<0.01
SEP 01...	1340	<1	<15	4	--	20	--	--	--	--

DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLORDANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDO-SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO-SULFAN BETA TOTAL (UG/L) (34356)	ENDO-SULFAN SULFATE TOTAL (UG/L) (34351)
NOV 04...	0927	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
FEB 03...	1034	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAY 05...	0900	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
AUG 04...	0806	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06

DATE	TIME	ALACHLOR TOTAL RECOVER (UG/L) (77825)	MALATHION, TOTAL (UG/L) (39530)	CHLORPYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDEHYDE TOTAL (UG/L) (34366)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	TOXAPHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
NOV 04...	0927	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
FEB 03...	1034	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAY 05...	0900	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
AUG 04...	0806	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3

DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METHOXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARATHION, TOTAL (UG/L) (39600)	DI-AZINON, TOTAL (UG/L) (39570)
NOV 04...	0927	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
FEB 03...	1034	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAY 05...	0900	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
AUG 04...	0806	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

WHITE RIVER BASIN

221

07077862 BOAT GUNWALE SLASH NEAR HOLLY GROVE, ARK.

LOCATION.--Lat 36°34'29", long 91°08'45", in SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CAC03) (00900)
NOV										
04...	0821	9827	9827	7.12	14.0	15	<0.1	19	160	130
DEC										
02...	0923	9827	9827	6.78	9.0	4.0	5.0	0.3	60	30
JAN										
06...	0931	9827	9827	7.05	4.0	5.5	9.8	1.7	56	24
FEB										
03...	0930	9827	9827	7.17	10.0	35	--	1.9	64	24
MAR										
03...	0930	9827	9827	--	10.0	--	--	--	40	--
31...	0930	9827	9827	7.06	9.0	6.3	7.8	1.8	16	24
MAY										
05...	0755	9827	9827	7.25	22.0	5.0	--	5.5	36	86
JUN										
02...	0715	9827	9827	7.50	25.0	15	1.0	--	130	88
30...	0828	9827	9827	6.99	25.0	6.1	1.1	2.1	28	68
AUG										
04...	0708	9827	9827	7.30	27.0	20	0.3	5.1	2900	80
SEP										
01...	1430	9827	9827	7.50	24.0	15	0.8	--	96	140

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- 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)
NOV										
04...	0821	94	7.5	--	104	0.030	0.020	--	0.120	--
DEC										
02...	0923	7.0	--	68	1	0.030	0.030	0.060	0.090	--
JAN										
06...	0931	--	--	52	1	0.010	0.010	0.070	0.030	<1
FEB										
03...	0930	--	--	84	15	0.020	--	0.160	0.120	--
MAR										
31...	0930	--	2.0	68	1	<0.010	0.030	0.200	0.140	<1
MAY										
05...	0755	2.0	4.0	149	9	0.030	--	0.190	0.060	<1
JUN										
02...	0715	1.0	8.0	34	28	0.010	3.10	0.500	0.090	<1
30...	0828	6.0	4.5	117	6	0.010	0.240	0.270	0.160	<1
AUG										
04...	0708	4.0	3.0	148	23	0.040	0.600	0.480	0.130	<1
SEP										
01...	1430	1.0	12	217	9	0.080	0.060	0.210	0.040	<1

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOVERABLE (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)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)
NOV 04...	0821	1	15	1	--	10	--	--	--	--
DEC 02...	0923	--	<15	<1	--	--	--	--	--	--
JAN 06...	0931	<1	18	<1	--	--	<0.002	<0.01	<0.01	<0.01
FEB 03...	0930	2	<15	2	--	10	--	--	--	--
MAR 31...	0930	<1	<15	<1	--	--	<0.002	<0.01	<0.01	<0.01
MAY 05...	0755	<1	<15	<1	--	10	--	--	--	--
JUN 02...	0715	1	<15	<1	--	--	--	--	--	--
30...	0828	7	--	<1	<0.50	--	<0.002	<0.01	<0.01	<0.01
AUG 04...	0708	1	22	<1	--	10	--	--	--	--
SEP 01...	1430	52	<15	<1	--	10	--	--	--	--
DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)
JAN 06...	0931	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAR 31...	0930	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JUN 30...	0828	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
DATE	TIME	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	MALA- THION, TOTAL (UG/L) (39530)	CHLOR- PYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDE- HYDE TOTAL (UG/L) (34366)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
JAN 06...	0931	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAR 31...	0930	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JUN 30...	0828	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
JAN 06...	0931	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAR 31...	0930	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JUN 30...	0828	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

WHITE RIVER BASIN

223

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 Feb. 6, 1978, auxiliary water-stage recorder at site 8.7 mi downstream at same datum. October 1970 to September 1972, the downstream site was used as the base gage. The auxiliary gage was removed Dec. 28, 1981.

REMARKS.--Records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--17 years, 608 ft³/s, 440,500 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, 3,250 ft³/s Mar. 4, gage height, 29.57 ft; minimum daily, 1.0 ft³/s Oct. 19-23.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3.5	e4.0	439	289	154	2730	1060	20	436	e25	169	99
2	e3.0	e3.5	420	206	573	2960	952	19	346	e45	143	85
3	e3.0	e3.5	410	153	732	3150	862	18	271	e50	112	71
4	e2.5	e3.0	399	157	653	3230	771	18	197	e55	84	60
5	e2.5	e3.0	382	161	560	3230	674	17	137	e60	59	50
6	e2.5	e3.0	354	144	510	3150	575	17	101	e70	42	42
7	e2.0	e100	319	127	508	3010	482	16	87	e50	36	36
8	e2.0	1130	481	118	525	2840	395	16	81	e40	30	29
9	e2.0	1300	907	118	540	2650	304	16	70	e35	24	23
10	e2.0	1260	1110	159	546	2430	215	16	e60	e25	19	20
11	e1.5	1240	1210	189	544	2200	155	16	e50	e20	19	e15
12	e1.5	1190	1310	184	535	2000	150	19	e35	e20	34	e10
13	e1.5	1110	1460	183	513	1810	153	25	e100	e20	49	e10
14	e1.5	1040	1650	199	483	1640	236	17	e140	e20	51	e10
15	e1.5	972	1790	203	457	1460	239	18	e100	e20	56	e15
16	e1.5	916	1830	202	591	1300	185	53	e120	e20	68	e15
17	e1.5	868	1760	196	666	1190	170	37	e800	e20	76	e20
18	e1.5	819	1650	192	632	1620	192	18	e620	e20	81	22
19	e1.0	774	1520	194	588	2090	223	14	e460	e20	91	25
20	e1.0	743	1390	196	571	2330	246	14	e500	e20	109	25
21	e1.0	728	1260	192	577	2410	260	14	e540	e20	120	e20
22	e1.0	685	1130	194	597	2400	252	13	e620	e20	133	e15
23	e1.0	630	1060	198	650	2340	237	13	e640	e20	139	e15
24	34	572	1050	205	653	2370	211	13	e720	e20	140	e10
25	73	577	963	258	632	2250	176	21	e480	e30	136	e9.0
26	34	787	853	284	740	2080	138	213	e280	e40	131	e7.0
27	19	770	747	253	1270	1900	101	176	e170	e60	125	e5.5
28	10	670	646	219	2100	1700	67	73	e100	e80	126	e4.5
29	6.4	566	550	194	---	1510	42	36	e60	e110	134	e3.5
30	e5.0	482	462	171	---	1340	27	267	e40	e170	128	e2.5
31	e4.5	---	378	152	---	1190	---	554	---	167	114	---
TOTAL	227.9	19949.0	29890	5890	18100	68510	9750	1797	8361	1392	2778	774.0
MEAN	7.35	665	964	190	646	2210	325	58.0	279	44.9	89.6	25.8
MAX	73	1300	1830	289	2100	3230	1060	554	800	170	169	99
MIN	1.0	3.0	319	118	154	1190	27	13	35	20	19	2.5
AC-FT	452	39570	59290	11680	35900	135900	19340	3560	16580	2760	5510	1540

CAL YR 1986 TOTAL 115365.4 MEAN 316 MAX 2200 MIN 1.0 AC-FT 228800
WTR YR 1987 TOTAL 167418.9 MEAN 459 MAX 3230 MIN 1.0 AC-FT 332100

e Estimated

WHITE RIVER BASIN

07077980 PRAIRIE CYPRESS CREEK NEAR CROSS ROADS, ARK.

LOCATION.--Lat 34°26'00", long 91°03'11", in SW ¼ NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CAC03) (00900)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
NOV 04.	0900	9827	9827	6.88	15.0	320	<0.1	21	--	96	41
DEC 02.	1001	9827	9827	6.34	9.0	2.0	1.7	3.6	510	22	9.0
JAN 06.	1010	9827	9827	6.73	5.0	3.0	4.8	0.8	24	16	--
FEB 03.	1005	9827	9827	6.88	11.0	10	--	1.8	64	18	--
MAR 03.	1007	9827	9827	6.97	10.0	25	7.4	0.9	40	14	5.0
31.	1009	9827	9827	6.92	7.0	5.5	5.9	1.0	<10	20	--
MAY 05.	0822	9827	9827	7.32	21.0	5.7	--	2.4	44	60	4.0
JUN 02.	0752	9827	9827	6.84	24.0	15	1.1	2.3	20	34	8.0
30.	0908	9827	9827	6.92	25.0	8.1	1.0	3.6	54	40	5.0
AUG 04.	0742	9827	9827	6.91	29.0	15	0.8	2.8	3000	42	4.0
SEP 01.	1400	9827	9827	7.37	27.0	45	8.6	--	630	30	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- PENDED (MG/L) (00530)	NITRO- GEN, NO2+N03 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)	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)
NOV 04.	0900	4.5	--	390	0.030	1.90	--	--	0.090	--
DEC 02.	1001	--	65	1	0.040	0.150	--	0.090	0.100	--
JAN 06.	1010	--	54	1	0.010	0.040	--	0.050	0.020	<1
FEB 03.	1005	--	64	4	0.020	--	--	0.120	0.100	--
MAR 03.	1007	1.5	41	--	0.010	0.010	0.10	0.200	0.120	<1
31.	1009	2.0	66	1	0.010	0.030	--	0.220	0.170	<1
MAY 05.	0822	2.0	123	10	0.030	--	--	0.300	0.170	<1
JUN 02.	0752	1.5	69	5	0.020	0.110	--	0.300	0.180	<1
30.	0908	1.5	81	16	0.020	0.070	--	0.170	0.070	<1
AUG 04.	0742	2.0	113	33	0.030	0.100	--	0.340	0.160	<1
SEP 01.	1400	5.0	94	83	0.220	0.350	--	0.480	0.050	<1

WHITE RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOVERABLE (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)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)
NOV 04.	0900	12	18	4	--	30	--	--	--	--
DEC 02.	1001	--	<15	<1	--	--	--	--	--	--
JAN 06.	1010	<1	<15	1	--	--	<0.002	<0.01	<0.01	<0.01
FEB 03.	1005	2	<15	2	--	10	--	--	--	--
MAR 03.	1007	<1	<15	1	--	<10	--	--	--	--
MAR 31.	1009	<1	<15	<1	--	--	<0.002	<0.01	<0.01	<0.01
MAY 05.	0822	3	<15	<1	--	10	--	--	--	--
JUN 02.	0752	3	<15	<1	--	--	--	--	--	--
JUN 30.	0908	<1	--	3	<0.50	--	<0.002	<0.01	<0.01	<0.01
AUG 04.	0742	1	27	1	--	20	--	--	--	--
SEP 01.	1400	<1	<15	7	--	30	--	--	--	--

DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)
JAN 06.	1010	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAR 31.	1009	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JUN 30.	0908	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06

DATE	TIME	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	MALA- THION, TOTAL (UG/L) (39530)	CHLOR- PYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDE- HYDE TOTAL (UG/L) (34366)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
JAN 06.	1010	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAR 31.	1009	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JUN 30.	0908	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3

DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
JAN 06.	1010	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAR 31.	1009	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JUN 30.	0908	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

ARKANSAS RIVER BASIN

07188813 LITTLE SUGAR CREEK TRIBUTARY NEAR BENTONVILLE, ARK.

LOCATION.--Lat 36°24'26", long 94°12'46", in NW ¼ SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT									
21...	0949	9827	9827	7.64	16.0	--	8.0	3.2	220
NOV									
24...	0956	9827	9827	7.57	11.5	2.0	8.8	0.8	--
DEC									
16...	0922	9827	9827	7.59	11.0	1.5	--	--	--
JAN									
27...	0908	9827	9827	7.67	7.0	2.0	9.4	1.0	20
FEB									
24...	0954	9827	9827	7.89	9.0	2.0	9.9	1.2	<4
MAR									
24...	0933	9827	9827	7.80	11.0	7.0	9.0	2.0	170
APR									
21...	0921	9827	9827	7.68	14.0	1.6	8.3	1.1	220
MAY									
26...	0915	9827	9827	7.65	19.0	3.0	7.7	1.7	--
JUN									
23...	0903	9827	9827	7.48	19.0	--	7.2	>6.2	>6000
JUL									
21...	1046	9827	9827	7.78	22.0	9.5	6.6	0.4	68
AUG									
18...	0927	9827	9827	7.23	23.0	1.0	5.6	1.0	1900
SEP									
22...	0900	9827	9827	7.60	17.0	4.0	5.9	0.9	8

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+N03 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									
21...	0949	150	--	20	284	4	5.70	0.040	0.30
NOV									
24...	0956	150	28	26	282	2	8.00	0.030	0.10
DEC									
16...	0922	150	27	25	281	3	6.80	0.050	0.30
JAN									
27...	0908	150	18	18	260	2	5.30	0.090	0.50
FEB									
24...	0954	150	22	20	268	2	6.20	0.030	0.70
MAR									
24...	0933	130	14	5.0	194	8	2.90	0.160	<0.10
APR									
21...	0921	150	20	19	237	3	4.60	0.030	0.30
MAY									
26...	0915	140	20	28	255	7	3.10	<0.010	0.30
JUN									
23...	0903	74	9.0	8.0	153	--	1.90	0.040	--
JUL									
21...	1046	140	27	39	290	1	1.50	<0.010	0.50
AUG									
18...	0927	140	20	49	--	3	10.0	0.020	0.80
SEP									
22...	0900	130	29	43	328	1	7.00	<0.010	<0.10

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
21...	0949	--	--	<1	<1	<15	<1	--	--
NOV									
24...	0956	7.00	6.50	<1	5	17	1	--	20
DEC									
16...	0922	6.90	6.60	--	1	--	1	--	20
JAN									
27...	0908	7.30	6.50	<1	1	<15	<1	--	40
FEB									
24...	0954	5.40	5.60	<1	<1	--	4	--	10
MAR									
24...	0933	3.60	3.00	<1	<1	<15	<1	--	--
APR									
21...	0921	5.00	4.30	<1	1	<15	<1	--	20
MAY									
26...	0915	4.50	4.20	<1	2	<15	1	--	20
JUN									
23...	0903	--	--	--	5	<15	--	--	--
JUL									
21...	1046	6.00	5.10	<1	--	--	--	<0.50	10
AUG									
18...	0927	7.60	7.60	<1	--	<15	--	--	10
SEP									
22...	0900	7.90	6.90	--	<1	<15	19	--	40

ARKANSAS RIVER BASIN

07188910 BUTLER CREEK NEAR SULPHUR SPRINGS, ARK.

LOCATION.--Lat 36°30'44", long 94°28'54", in NW ¼ NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT									
21.	1048	9827	9827	8.15	15.0	--	9.9	0.1	4
NOV									
24.	1047	9827	9827	8.18	9.0	1.5	11.7	0.6	--
DEC									
16.	1023	9827	9827	8.06	11.0	1.0	--	--	--
JAN									
27.	1006	9827	9827	8.21	6.0	1.0	12.3	0.2	4
FEB									
24.	1057	9827	9827	8.24	9.0	1.5	11.1	0.3	32
MAR									
24.	1030	9827	9827	8.19	10.0	3.0	10.8	1.1	770
APR									
21.	1020	9827	9827	8.17	14.0	0.80	9.6	0.6	80
MAY									
26.	1007	9827	9827	8.09	19.0	2.5	8.8	0.5	100
JUN									
23.	0949	9827	9827	7.92	22.0	--	6.6	0.9	580
JUL									
21.	1136	9827	9827	8.15	24.0	1.1	7.3	0.4	12
AUG									
18.	1013	9827	9827	7.73	24.5	0.70	5.8	0.5	110
SEP									
22.	0948	9827	9827	7.93	17.0	1.0	7.5	0.4	40

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+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
21.	1048	150	--	6.0	197	3	2.50	0.030	--
NOV									
24.	1047	160	8.0	5.0	201	2	1.60	0.020	0.030
DEC									
16.	1023	160	8.0	4.5	191	1	1.30	0.040	0.070
JAN									
27.	1006	150	8.0	4.5	179	28	1.40	0.080	0.020
FEB									
24.	1057	140	7.0	4.5	180	1	1.70	0.050	0.030
MAR									
24.	1030	130	8.0	3.0	146	3	1.10	0.030	0.050
APR									
21.	1020	140	6.0	3.0	166	2	1.00	0.020	0.020
MAY									
26.	1007	170	6.0	5.5	208	1	0.950	0.270	0.050
JUN									
23.	0949	140	4.0	4.5	177	--	0.960	<0.010	--
JUL									
21.	1136	150	4.0	8.0	163	1	0.930	0.020	0.080
AUG									
18.	1013	150	<1.0	9.5	--	<1	1.20	0.020	0.040
SEP									
22.	0948	160	0.3	9.0	199	3	0.820	0.030	0.040

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
21.	1048	--	<1	<1	<15	--	--	--
NOV								
24.	1047	0.020	<1	1	<15	<1	--	<10
DEC								
16.	1023	0.020	--	3	--	1	--	--
JAN								
27.	1006	0.040	<1	1	<15	<1	--	10
FEB								
24.	1057	0.030	<1	1	--	<1	--	10
MAR								
24.	1030	0.030	<1	<1	<15	1	--	--
APR								
21.	1020	0.020	<1	<1	<15	<1	--	<10
MAY								
26.	1007	0.040	<1	1	<15	<1	--	<10
JUN								
23.	0949	--	--	4	<15	--	--	--
JUL								
21.	1136	0.090	<1	--	--	--	<0.50	<10
AUG								
18.	1013	0.040	<1	--	<15	--	--	10
SEP								
22.	0948	0.020	--	<1	<15	11	--	10

ARKANSAS RIVER BASIN

07191179 SPAVINAW CREEK NEAR CHEROKEE CITY, ARK.

LOCATION.--Lat 36°20'31", long 94°35'15", in SW ¼ NE ¼ 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.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
21.	1134	9827	9827	8.01	17.0	--	9.8	0.4	4
NOV									
24.	1130	9827	9827	8.22	--	1.5	11.2	0.2	--
DEC									
16.	1109	9827	9827	7.95	12.0	1.0	--	--	--
JAN									
27.	1057	9827	9827	8.10	9.0	1.0	12.1	0.3	4
FEB									
24.	1141	9827	9827	8.16	10.0	1.0	11.6	0.3	16
MAR									
24.	1111	9827	9827	7.95	11.0	2.0	9.7	0.9	12
APR									
21	1104	9827	9827	7.99	14.0	1.2	9.6	0.4	32
MAY									
26.	1054	9827	9827	8.03	18.0	1.5	9.9	0.8	20
JUN									
23.	1032	9827	9827	7.98	24.0	--	7.5	0.5	220
JUL									
21.	1216	9827	9827	8.19	22.0	7.4	9.7	0.2	8
AUG									
18.	1056	9827	9827	7.73	22.0	0.60	8.3	0.5	<10
SEP									
22.	1033	9827	9827	8.02	19.0	0.80	8.6	0.5	28

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)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
21.	1134	120	--	8.0	175	3	1.50	0.050	--
NOV									
24.	1130	130	3.0	8.5	169	1	2.50	0.020	0.080
DEC									
16.	1109	120	3.0	9.5	164	1	2.40	0.040	0.110
JAN									
27.	1057	110	4.0	8.0	153	3	2.80	0.030	0.080
FEB									
24.	1141	110	3.0	8.0	169	<1	2.80	0.030	0.080
MAR									
24.	1111	98	5.0	6.0	124	<1	2.70	0.010	0.070
APR									
21.	1104	110	3.0	7.5	143	1	2.40	0.020	0.080
MAY									
26.	1054	130	1.0	9.5	163	<1	2.50	0.060	0.130
JUN									
23.	1032	130	2.0	9.5	169	--	2.20	<0.010	--
JUL									
21.	1216	140	3.0	11	175	1	2.10	0.050	0.130
AUG									
18.	1056	140	<1.0	13	--	1	2.10	0.010	0.130
SEP									
22.	1033	140	1.0	13	183	<1	1.50	0.010	0.110

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
21.	1134	--	<1	<1	<15	1	--	--
NOV								
24.	1130	0.080	<1	<1	<15	<1	--	<10
DEC								
16.	1109	0.070	--	<1	--	<1	--	--
JAN								
27.	1057	0.080	<1	<1	<15	<1	--	30
FEB								
24.	1141	0.080	<1	<1	--	<1	--	10
MAR								
24.	1111	0.060	<1	<1	<15	<1	--	--
APR								
21.	1104	0.070	<1	<1	<15	<1	--	<10
MAY								
26.	1054	0.110	<1	<1	<15	<1	--	<10
JUN								
23.	1032	--	--	4	<15	--	--	--
JUL								
21.	1216	0.140	<1	--	--	--	<0.50	<10
AUG								
18.	1056	0.100	<1	--	16	--	--	30
SEP								
22.	1033	0.090	--	<1	<15	8	--	<10

ARKANSAS RIVER BASIN

07194800 ILLINOIS RIVER AT SAVOY, ARK.

LOCATION.--Lat 36°06'11", long 94°20'39", in NW ¼ SE ¼ sec.36, T.17 N., R.32 W., Washington County, Hydro-logic Unit 11110103, on left bank at downstream side of bridge on State Highway 16 at Savoy.

DRAINAGE AREA.--167 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
21.	1332	9827	9827	7.88	17.0	--	9.4	2.4	160
NOV									
24.	1349	9827	9827	8.00	--	3.5	11.9	0.8	--
DEC									
16.	1313	9827	9827	7.86	9.0	3.0	--	--	--
JAN									
27.	1251	9827	9827	7.87	7.0	5.0	12.3	0.5	8
FEB									
24.	1328	9827	9827	7.99	9.0	6.0	10.3	0.9	40
MAR									
24.	1311	9827	9827	7.74	11.0	55	9.7	3.4	>6000
APR									
21.	1259	9827	9827	7.90	18.0	10	8.7	1.3	300
MAY									
26.	1259	9827	9827	7.93	22.0	15	9.0	2.3	680
JUN									
23.	1207	9827	9827	7.72	23.0	--	6.4	3.4	19000
JUL									
21.	1405	9827	9827	8.09	27.0	15	8.8	3.0	96
AUG									
18.	1255	9827	9827	7.77	27.0	5.0	7.7	2.1	1400
SEP									
22.	1230	9827	9827	7.89	20.0	8.5	8.4	1.1	100

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)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
21.	1332	120	--	7.0	171	10	2.50	0.030	--
NOV									
24.	1349	130	8.0	8.5	173	10	2.30	0.020	0.060
DEC									
16.	1313	120	12	6.0	162	5	1.70	0.020	0.090
JAN									
27.	1251	110	9.0	7.0	146	3	2.20	0.090	0.060
FEB									
24.	1328	98	11	7.0	149	5	2.00	0.040	0.060
MAR									
24.	1311	50	9.0	5.5	97	68	0.790	0.150	0.300
APR									
21.	1259	100	9.0	5.5	128	10	1.90	0.210	0.070
MAY									
26.	1259	--	7.0	8.0	143	19	1.60	0.030	0.140
JUN									
23.	1207	86	3.0	6.0	128	--	1.40	0.320	--
JUL									
21.	1405	90	5.0	7.0	125	19	0.760	0.010	0.210
AUG									
18.	1255	130	<1.0	11	--	--	2.00	0.020	0.100
SEP									
22.	1230	120	7.0	7.5	159	12	1.20	0.010	0.110

07194800 ILLINOIS RIVER AT SAVOY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
21.	1332	--	<1	1	<15	18	--	--
NOV								
24.	1349	0.040	<1	<1	<15	<1	--	<10
DEC								
16.	1313	0.040	--	<1	--	2	--	<10
JAN								
27.	1251	0.050	<1	<1	<15	<1	--	30
FEB								
24.	1328	0.040	<1	<1	--	3	--	<10
MAR								
24.	1311	0.170	<1	<1	<15	1	--	--
APR								
21.	1259	0.040	<1	<1	<15	<1	--	<10
MAY								
26.	1259	0.080	<1	<1	<15	<1	--	10
JUN								
23.	1207	--	--	3	<15	--	--	--
JUL								
21.	1405	0.080	<1	--	--	--	<0.50	<10
AUG								
18.	1255	0.040	<1	--	17	--	--	10
SEP								
22.	1230	0.070	--	<1	<15	8	--	10

ARKANSAS RIVER BASIN

07194810 CLEAR CREEK AT JOHNSON, ARK.

LOCATION.--Lat 36°07'41", long 94°09'56", in NW ¼ SE ¼ sec.22, T.17N, R.30 W., Washington County, Hydrologic Unit 11110103, at bridge on county road .2 mi south of Johnson, Ark., just downstream from confluence with Mud Creek.

PERIOD OF RECORD.--October 1986 to September 1987.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
21...	0830	9827	9827	--	15.0	--	8.8	2.0	270
NOV									
24...	0825	9827	9827	7.90	9.0	3.0	10.3	2.4	--
DEC									
29...	0915	9827	9827	7.99	6.0	1.5	11.2	2.2	68
JAN									
27...	0825	9827	9827	7.95	5.0	3.0	12.0	2.1	8
FEB									
24...	0830	9827	9827	8.05	8.0	5.5	10.7	2.1	16
MAR									
24...	0825	9827	9827	7.95	10.0	20	9.8	4.9	>6000
APR									
21...	0845	9827	9827	7.61	17.0	3.1	--	--	17
MAY									
26...	0815	9827	9827	7.91	20.0	5.5	8.1	3.4	150
JUN									
23...	0915	9827	9827	7.33	22.0	550	7.5	>6.5	--
JUL									
21...	0820	9827	9827	7.93	21.0	5.5	7.1	3.6	150
AUG									
18...	0830	9827	9827	7.70	23.0	1.0	6.5	--	870
SEP									
22...	0800	9827	9827	7.98	15.0	4.5	8.0	3.5	360
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+N03 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									
21...	0830	130	--	7.0	173	5	1.90	0.010	0.10
NOV									
24...	0825	140	10	8.5	180	5	2.40	0.040	0.10
DEC									
29...	0915	140	12	8.5	173	1	2.10	0.030	0.10
JAN									
27...	0825	130	11	7.5	164	2	1.80	--	0.20
FEB									
24...	0830	120	15	7.5	175	7	1.90	0.040	0.20
MAR									
24...	0825	88	11	7.0	119	16	1.00	0.050	--
APR									
21...	0845	120	10	6.0	155	5	1.60	--	<0.10
MAY									
26...	0815	130	10	8.5	176	9	1.50	0.010	0.30
JUN									
23...	0915	58	5.0	2.0	116	971	0.710	0.040	3.5
JUL									
21...	0820	150	5.0	8.0	183	6	1.90	--	1.2
AUG									
18...	0830	140	--	8.5	193	14	2.10	--	1.0
SEP									
22...	0800	150	10	7.5	--	7	1.60	<0.010	0.40

ARKANSAS RIVER BASIN

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07194810 CLEAR CREEK AT JOHNSON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
21...	0830	0.060	0.070	<1	<1	<15	--	--	<10
NOV									
24...	0825	0.050	0.030	1	1	<15	<1	--	10
DEC									
29...	0915	0.010	<0.010	--	3	<15	2	--	10
JAN									
27...	0825	0.030	0.230	<1	1	<15	<1	--	<10
FEB									
24...	0830	0.030	0.050	<1	<1	<15	1	--	<10
MAR									
24...	0825	0.110	0.060	--	<1	<15	--	--	20
APR									
21...	0845	0.030	0.010	--	--	--	<1	--	--
MAY									
26...	0815	0.070	0.010	<1	--	<15	1	--	<10
JUN									
23...	0915	1.20	0.240	--	28	<15	41	--	90
JUL									
21...	0820	0.070	0.040	1	2	<15	<1	<0.50	<10
AUG									
18...	0830	0.060	--	<1	1	<15	<1	--	20
SEP									
22...	0800	0.050	0.010	<1	<1	<15	--	--	40

ARKANSAS RIVER BASIN

07195000 OSAGE CREEK NEAR ELM SPRINGS, ARK.

LOCATION.--Lat 36°13'19", long 94°17'18", in SW ¼ NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
21.	0903	9827	9827	7.70	15.0	--	7.7	1.3	160
NOV									
24.	0903	9827	9827	7.72	9.0	2.0	8.7	4.6	--
DEC									
16.	0818	9827	9827	7.69	10.5	1.5	--	--	--
JAN									
27.	0809	9827	9827	7.70	6.0	3.5	9.0	6.1	8
FEB									
24.	0849	9827	9827	7.77	9.0	5.5	8.7	3.6	28
MAR									
24.	0824	9827	9827	7.65	10.0	25	8.1	7.1	>6000
APR									
21.	0822	9827	9827	7.74	17.0	3.5	6.7	2.3	460
MAY									
26.	0819	9827	9827	7.73	20.0	6.5	6.7	4.5	310
JUN									
23.	0811	9827	9827	7.58	21.5	--	4.4	>3.4	--
JUL									
21.	1010	9827	9827	7.86	23.0	3.6	6.7	1.3	24
AUG									
18.	0833	9827	9827	7.37	23.5	5.2	4.9	>3.9	1700
SEP									
22.	0802	9827	9827	7.76	16.0	5.0	7.2	5.2	200

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)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
21.	0903	120	--	10	193	7	4.50	0.080	--
NOV									
24.	0903	140	5.0	12	199	4	4.10	0.810	0.760
DEC									
16.	0818	130	7.0	10	194	5	3.90	1.60	0.940
JAN									
27.	0809	120	6.0	11	172	3	4.00	0.710	0.640
FEB									
24.	0849	110	6.0	11	188	11	4.10	0.440	0.950
MAR									
24.	0824	90	7.0	10	139	28	2.80	0.370	0.440
APR									
21.	0822	120	7.0	11	166	9	4.10	0.530	0.630
MAY									
26.	0819	120	5.0	11	169	18	3.40	0.130	0.600
JUN									
23.	0811	110	9.0	27	210	--	3.70	1.90	--
JUL									
21.	1010	130	6.0	15	187	8	3.00	0.080	1.00
AUG									
18.	0833	120	<1.0	17	--	13	3.80	0.360	1.30
SEP									
22.	0802	130	11	19	217	11	4.40	0.040	1.30

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
21.	0903	--	<1	<1	<15	2	--	--
NOV								
24.	0903	0.670	<1	<1	15	1	--	<10
DEC								
16.	0818	0.890	--	<1	--	2	--	<10
JAN								
27.	0809	0.630	<1	<1	<15	<1	--	20
FEB								
24.	0849	0.500	<1	<1	--	1	--	<10
MAR								
24.	0824	0.320	<1	<1	<15	1	--	--
APR								
21.	0822	0.560	<1	<1	<15	<1	--	<10
MAY								
26.	0819	0.540	<1	3	15	1	--	10
JUN								
23.	0811	--	--	9	<15	--	--	--
JUL								
21.	1010	0.940	<1	--	--	--	<0.50	<10
AUG								
18.	0833	1.10	<1	--	33	--	--	10
SEP								
22.	0802	1.10	--	1	<15	19	--	10

ARKANSAS RIVER BASIN

07195400 ILLINOIS RIVER NEAR SILOAM SPRINGS, ARK.

LOCATION.--Lat 36°08'41", long 94°29'41", in SW ¼ SW ¼ 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.

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
21.	1306	9827	9827	7.83	17.0	--	8.8	0.6	44
NOV									
24.	1325	9827	9827	7.93	--	2.5	10.9	0.8	--
DEC									
16.	1245	9827	9827	7.87	9.5	2.0	--	--	--
JAN									
27.	1228	9827	9827	7.86	7.0	4.5	11.4	0.5	<4
FEB									
24.	1303	9827	9827	7.99	9.0	5.0	10.6	0.8	20
MAR									
24.	1247	9827	9827	7.87	11.0	65	9.0	3.9	<4
APR									
21.	1236	9827	9827	7.80	18.0	7.8	8.1	1.1	160
MAY									
26.	1236	9827	9827	7.81	21.0	9.0	8.3	1.1	70
JUN									
23.	1146	9827	9827	7.81	23.0	--	6.1	0.8	400
JUL									
21.	1340	9827	9827	8.10	27.0	6.4	8.2	0.7	24
AUG									
18.	1207	9827	9827	7.78	27.0	4.6	7.7	1.2	140
SEP									
22.	1208	9827	9827	7.93	20.0	4.4	8.7	--	36

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- PENDE (MG/L) (00530)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
21.	1306	110	--	8.0	174	9	3.10	0.030	--
NOV									
24.	1325	120	5.0	9.5	170	3	3.00	0.010	0.230
DEC									
16.	1245	120	7.0	9.0	164	3	2.80	0.020	0.260
JAN									
27.	1228	110	6.0	7.5	151	4	2.80	0.040	0.180
FEB									
24.	1303	100	6.0	7.5	163	7	2.80	0.030	0.160
MAR									
24.	1247	82	8.0	6.5	117	123	1.40	0.130	0.370
APR									
21.	1236	110	5.0	6.5	137	11	2.20	0.010	0.170
MAY									
26.	1236	110	4.0	9.0	147	15	2.30	0.010	0.300
JUN									
23.	1146	120	4.0	11	167	--	2.00	<0.010	--
JUL									
21.	1340	110	5.0	10	153	8	1.70	0.020	0.350
AUG									
18.	1207	120	<1.0	15	--	8	2.30	0.020	0.530
SEP									
22.	1208	120	7.0	12	171	6	1.70	<0.010	0.360

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
21.	1306	--	<1	<1	<15	2	--	--
NOV								
24.	1325	0.200	<1	<1	<15	2	--	10
DEC								
16.	1245	0.230	--	<1	--	3	--	<10
JAN								
27.	1228	0.170	<1	<1	<15	<1	--	30
FEB								
24.	1303	0.150	<1	1	--	<1	--	20
MAR								
24.	1247	0.190	<1	1	<15	4	--	--
APR								
21.	1236	0.150	<1	1	<15	4	--	<10
MAY								
26.	1236	0.270	<1	<1	<15	<1	--	<10
JUN								
23.	1146	--	--	17	<15	--	--	--
JUL								
21.	1340	0.300	<1	--	--	--	<0.50	10
AUG								
18.	1207	0.500	<1	--	18	--	--	60
SEP								
22.	1208	0.320	--	<1	<15	8	--	10

ARKANSAS RIVER BASIN

07195800 FLINT CREEK AT SPRINGTOWN, ARK.

LOCATION.--Lat 36 15'20", long 94 25'50", in NW ¼ 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.--26 years, 14.1 ft³/s, 13.48 in/yr, 10,220 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)
Oct. 1	0915	*762	*7.87	No other peak greater than base discharge.			
Minimum discharge, 4.6 ft ³ /s Aug. 15, 16, gage height, 3.57 ft.							

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	418	24	11	9.0	15	59	21	11	13	8.0	5.7	6.7
2	134	22	11	9.0	15	47	19	11	13	7.6	5.5	6.5
3	84	20	11	10	13	40	19	11	12	7.6	5.3	6.2
4	70	27	10	10	13	34	18	11	11	8.2	5.3	6.1
5	59	27	10	10	12	30	17	13	11	8.4	5.3	6.0
6	50	26	10	11	12	27	17	12	10	7.8	5.2	5.9
7	44	25	11	10	12	24	16	12	9.3	7.2	5.0	6.1
8	38	24	12	10	12	22	16	11	8.8	7.0	5.0	6.2
9	33	21	14	30	11	19	16	11	8.7	6.9	5.0	5.9
10	29	20	13	32	11	18	15	11	8.8	6.8	5.0	8.3
11	26	20	13	29	11	17	16	10	10	6.7	5.2	7.0
12	26	19	12	27	10	16	15	10	10	6.7	5.7	7.1
13	22	17	12	24	12	15	18	10	9.4	7.6	5.7	7.8
14	19	16	12	22	15	14	19	10	8.9	6.9	5.4	6.9
15	17	16	12	20	18	14	19	11	8.6	6.6	5.0	7.5
16	17	16	12	19	26	13	18	10	8.4	6.4	5.0	13
17	16	15	12	21	26	82	17	10	8.2	6.7	6.8	8.2
18	15	14	12	30	25	81	16	9.7	8.1	7.3	5.5	8.4
19	15	13	11	31	24	61	15	9.3	8.0	6.5	8.6	8.1
20	14	13	11	29	23	51	15	9.0	8.0	6.2	6.6	7.5
21	14	13	10	26	22	44	14	8.9	7.9	5.9	5.6	7.3
22	15	13	10	25	21	39	14	12	7.6	5.7	5.3	7.1
23	15	12	10	23	19	38	14	11	11	5.7	5.3	7.0
24	29	12	10	21	18	40	13	23	9.6	6.0	5.2	6.9
25	84	12	10	20	17	37	13	21	9.4	8.7	5.1	6.7
26	70	13	10	19	17	34	12	15	8.7	7.8	5.0	6.6
27	59	12	9.6	18	17	31	12	13	7.6	6.5	14	6.3
28	51	12	9.5	17	52	28	12	23	7.3	6.2	9.5	10
29	46	11	9.5	16	---	25	12	22	7.1	5.9	8.0	8.8
30	42	11	9.5	15	---	23	11	17	7.4	5.8	7.6	7.3
31	34	---	9.3	14	---	22	---	15	---	5.8	7.1	---
TOTAL	1605	516	339.4	607.0	499	1045	469	393.9	276.8	213.1	189.5	219.4
MEAN	51.8	17.2	10.9	19.6	17.8	33.7	15.6	12.7	9.23	6.87	6.11	7.31
MAX	418	27	14	32	52	82	21	23	13	8.7	14	13
MIN	14	11	9.3	9.0	10	13	11	8.9	7.1	5.7	5.0	5.9
AC-FT	3180	1020	673	1200	990	2070	930	781	549	423	376	435
CFSM	3.65	1.21	.77	1.38	1.26	2.37	1.10	.89	.65	.48	.43	.52
IN.	4.20	1.35	.89	1.59	1.31	2.74	1.23	1.03	.73	.56	.50	.57

CAL YR 1986 TOTAL 8595.2 MEAN 23.5 MAX 704 MIN 5.8 AC-FT 17050 CFSM 1.66 IN. 22.5
WTR YR 1987 TOTAL 6373.1 MEAN 17.5 MAX 418 MIN 5.0 AC-FT 12640 CFSM 1.23 IN. 16.7

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LOCATION.--Lat 36°12'58", long 94°36'15", in NE ¼ NE ¼ 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.

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

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.

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, 2,260 ft³/s Oct. 1, gage height, 9.13 ft; minimum daily, 8.9 ft³/s Aug. 18-19.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1600	80	42	32	62	210	84	40	34	21	12	14
2	617	76	41	31	61	163	79	39	33	21	11	14
3	390	73	40	33	59	136	76	39	32	21	9.5	14
4	298	84	39	33	58	118	74	37	31	23	9.8	14
5	239	89	37	33	56	105	71	37	31	26	9.6	14
6	202	87	36	33	54	98	67	37	32	25	9.6	14
7	180	85	39	33	52	92	64	36	31	20	9.6	14
8	164	87	41	33	51	88	61	36	31	18	9.8	14
9	151	81	42	70	50	83	61	35	31	17	9.9	13
10	139	80	42	103	49	79	57	34	31	16	9.9	15
11	130	76	41	96	48	76	51	32	31	15	10	15
12	132	73	40	87	46	73	51	32	32	14	12	16
13	119	69	40	81	55	68	63	32	35	16	12	18
14	111	68	40	76	83	67	70	31	36	15	11	19
15	103	67	40	71	80	67	68	32	36	14	10	19
16	97	63	40	67	97	64	65	32	35	14	10	29
17	95	62	40	70	99	250	61	32	34	14	10	24
18	89	60	37	95	93	220	60	31	34	14	8.9	19
19	82	59	36	106	88	180	58	29	37	14	8.9	19
20	80	52	36	102	83	150	56	28	45	14	13	18
21	78	50	36	95	80	135	50	27	37	14	11	16
22	80	50	35	91	78	120	47	45	29	14	12	15
23	81	48	35	85	74	125	45	36	29	13	12	14
24	76	47	35	82	72	130	44	36	30	14	14	14
25	140	46	35	78	68	125	44	51	27	14	14	14
26	161	47	34	75	67	115	43	40	25	14	14	14
27	131	46	33	72	68	105	43	35	24	14	26	14
28	113	45	33	67	179	100	41	54	22	14	30	27
29	100	44	33	66	--	90	41	53	22	16	19	26
30	91	42	32	62	--	85	40	42	21	12	17	21
31	86	--	32	60	--	82	--	37	--	12	16	--
TOTAL	6155	1936	1162	2118	2010	3599	1735	1137	938	503	391.5	511
MEAN	199	64.5	37.5	68.3	71.8	116	57.8	36.7	31.3	16.2	12.6	17.0
MAX	1600	89	42	106	179	250	84	54	45	26	30	29
MIN	76	42	32	31	46	64	40	27	21	12	8.9	13
AC-FT	12210	3840	2300	4200	3990	7140	3440	2260	1860	998	777	1010
CAL YR 1986	TOTAL 28633.0			MEAN 78.4	MAX 2560	MIN 15	AC-FT 56790					
WTR YR 1987	TOTAL 22195.5			MEAN 60.8	MAX 1600	MIN 8.9	AC-FT 44020					

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.

PERIOD OF RECORD.--April 1958 to current year. Prior to October 1969, published as "Barren Fork at Dutch Mills."

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 986.47 ft above National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--29 years, 40.3 ft³/s, 11.90 in/yr, 29,200 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. 1	0930	*12,400	*12.39	Apr. 13	1430	3,760	8.04
Feb. 28	0545	5,270	9.04	June 23	1200	2,070	6.47
Mar. 17	1245	3,830	8.09				

Minimum discharge, 1.2 ft³/s Aug. 10, gage height, 1.21 ft.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3090	28	22	11	54	285	46	20	65	14	2.3	4.4
2	327	25	21	10	71	150	42	19	51	9.9	2.3	3.9
3	231	24	20	17	53	116	40	24	45	8.6	2.0	3.6
4	181	245	18	29	45	97	38	26	35	25	1.7	3.2
5	118	208	17	24	40	86	35	27	27	24	1.7	2.6
6	94	109	17	21	39	78	34	53	21	12	1.6	2.4
7	79	85	17	19	37	71	32	66	18	8.9	1.6	2.5
8	68	82	23	17	35	65	30	32	15	7.1	1.4	3.4
9	60	73	36	365	31	60	28	23	14	6.2	1.3	3.6
10	53	63	31	128	30	54	27	19	13	5.4	9.9	4.0
11	50	69	28	83	29	51	26	18	13	4.8	9.8	3.8
12	137	59	24	67	28	47	24	17	13	4.3	4.6	4.2
13	81	50	22	58	31	43	717	14	11	7.5	3.4	5.4
14	67	48	20	52	290	41	217	76	9.7	6.1	3.1	5.2
15	55	45	19	46	211	38	166	70	8.4	4.5	2.9	5.5
16	49	42	19	43	245	35	105	34	7.4	3.9	3.1	32
17	43	39	19	53	133	1190	82	34	6.4	7.3	2.9	7.6
18	38	35	18	210	113	320	69	24	5.7	55	3.0	4.7
19	34	32	17	124	104	167	59	19	21	14	7.3	5.5
20	31	31	16	88	90	123	51	16	11	7.8	8.6	4.8
21	28	28	15	74	80	100	45	14	9.8	5.7	5.4	4.0
22	52	27	14	65	73	84	42	51	7.0	4.6	4.2	3.4
23	74	26	14	56	65	135	38	37	349	4.0	3.1	2.9
24	54	24	13	53	60	179	34	46	66	11	2.6	2.7
25	62	26	13	49	54	117	31	42	33	26	2.4	2.5
26	56	34	12	44	54	95	29	37	20	7.7	2.2	2.5
27	47	30	12	41	69	85	26	27	14	5.3	11	2.5
28	41	27	12	38	998	75	24	177	11	4.4	15	11
29	36	24	12	36	---	71	21	259	9.2	5.5	8.4	11
30	32	23	11	33	---	60	21	106	9.3	3.5	6.4	5.5
31	29	---	11	31	---	52	---	77	---	2.6	5.5	---
TOTAL	5397	1661	563	1985	3162	4170	2179	1504	938.9	316.6	140.7	160.3
MEAN	174	55.4	18.2	64.0	113	135	72.6	48.5	31.3	10.2	4.54	5.34
MAX	3090	245	36	365	998	1190	717	259	349	55	15	32
MIN	28	23	11	10	28	35	21	14	5.7	2.6	1.3	2.4
AC-FT	10700	3290	1120	3940	6270	8270	4320	2980	1860	628	279	318
CFSM	3.78	1.20	.39	1.39	2.45	2.92	1.58	1.05	.68	.22	.10	.12
IN.	4.36	1.34	.46	1.61	2.56	3.37	1.76	1.22	.76	.26	.11	.13

CAL YR 1986 TOTAL 23365.7 MEAN 64.0 MAX 3400 MIN .98 AC-FT 46350 CFSM 1.39 IN. 18.9
WTR YR 1987 TOTAL 22177.4 MEAN 60.8 MAX 3090 MIN 1.3 AC-FT 43990 CFSM 1.32 IN. 17.9

ARKANSAS RIVER BASIN

243

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
21.	1418	9827	9827	8.06	17.0	--	10.6	1.7	32
NOV									
24.	1427	9827	9827	8.08	--	2.0	12.6	0.6	--
DEC									
16.	1357	9827	9827	8.01	10.0	2.0	--	--	--
JAN									
27.	1335	9827	9827	8.03	7.0	2.5	7.9	0.1	<4
FEB									
24.	1415	9827	9827	8.11	9.0	3.0	12.3	0.5	32
MAR									
24.	1356	9827	9827	8.02	10.0	15	10.8	1.7	--
APR									
21.	1344	9827	9827	8.34	17.0	2.5	10.8	1.0	250
MAY									
26.	1347	9827	9827	8.06	24.0	6.5	9.5	0.9	120
JUN									
23.	1258	9827	9827	7.41	23.0	--	7.3	>6.3	--
JUL									
21.	1449	9827	9827	8.16	29.0	4.5	6.8	0.7	92
AUG									
18.	1339	9827	9827	7.80	27.0	3.2	6.8	1.7	200
SEP									
22.	1315	9827	9827	8.30	20.0	2.8	10.0	1.1	92
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 P) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
21.	1418	150	--	6.0	198	5	1.20	0.020	--
NOV									
24.	1427	160	10	7.0	194	2	2.90	0.070	0.070
DEC									
16.	1357	150	15	6.0	187	2	2.20	0.020	0.120
JAN									
27.	1335	130	10	5.5	170	1	2.70	0.080	0.070
FEB									
24.	1415	130	12	3.5	180	1	2.50	0.030	0.070
MAR									
24.	1356	96	10	5.5	119	9	1.50	0.300	0.130
APR									
21.	1344	130	10	5.0	--	3	2.10	0.010	0.060
MAY									
26.	1347	130	13	6.0	174	5	1.60	0.010	0.160
JUN									
23.	1258	40	5.0	2.5	115	--	0.830	0.480	--
JUL									
21.	1449	150	8.0	6.0	196	5	1.50	0.030	0.160
AUG									
18.	1339	160	<1.0	7.5	--	5	0.600	0.060	0.130
SEP									
22.	1315	160	11	7.5	203	3	1.20	0.010	0.160

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
21.	1418	--	<1	<1	<15	<1	--	--
NOV								
24.	1427	0.070	<1	<1	<15	<1	--	<10
DEC								
16.	1357	0.090	--	<1	--	2	--	<10
JAN								
27.	1335	0.080	<1	<1	<15	<1	--	30
FEB								
24.	1415	0.060	<1	<1	--	<1	--	<10
MAR								
24.	1356	0.090	<1	<1	<15	<1	--	--
APR								
21.	1344	0.060	<1	<1	<15	<1	--	20
MAY								
26.	1347	0.140	<1	<1	<15	<1	--	<10
JUN								
23.	1258	--	--	15	16	--	--	--
JUL								
21.	1449	0.180	<1	--	--	--	<0.50	<10
AUG								
18.	1339	0.070	<1	--	17	--	--	10
SEP								
22.	1315	0.120	--	<1	<15	5	--	<10

ARKANSAS RIVER BASIN

245

07246940 POTEAU RIVER AT WALDRON, ARK.

LOCATION.--Lat 34°53'46", long 94°03'57", in SW ¼ SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
21...	0800	9827	9827	6.82	14.0	--	5.3	--	160
NOV									
24...	0700	9827	9827	6.97	10.0	10	7.4	2.5	--
DEC									
29...	0715	9827	9827	7.10	6.0	10	10.9	1.8	120
JAN									
27...	0815	9827	9827	7.11	3.0	15	--	1.6	230
MAR									
10...	0830	9827	9827	7.16	--	15	--	--	36
24...	0830	9827	9827	7.17	12.0	45	9.4	4.6	>6000
APR									
21...	0930	9827	9827	7.33	22.0	--	--	2.6	--
MAY									
12...	0830	9827	9827	7.53	20.0	85	--	4.0	1200
JUN									
23...	0915	9827	9827	7.20	28.0	--	2.5	>2.5	>6000
JUL									
07...	0830	9827	9827	7.05	27.0	5.8	2.8	3.8	730
AUG									
25...	1000	9827	9827	7.35	25.0	9.5	5.5	2.2	24
SEP									
22...	1050	9827	9827	7.56	17.0	10	7.7	2.0	130

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+N03 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									
21...	0800	26	15	13	102	--	1.80	--	6.5
NOV									
24...	0700	3	8.0	--	81	11	0.760	1.20	2.0
DEC									
29...	0715	20	9.0	7.5	60	--	0.420	0.220	0.30
JAN									
27...	0815	16	8.0	5.5	60	4	0.290	0.200	0.60
MAR									
10...	0830	18	7.0	6.0	57	11	0.110	0.050	0.30
24...	0830	16	10	5.5	68	51	0.170	0.130	0.80
APR									
21...	0930	28	12	7.0	63	5	0.020	0.030	--
MAY									
12...	0830	24	--	4.5	85	47	0.170	0.090	1.3
JUN									
23...	0915	34	23	29	154	11	0.130	--	6.4
JUL									
07...	0830	32	--	23	--	10	0.190	3.80	6.6
AUG									
25...	1000	40	7.0	10	91	7	0.020	0.030	0.60
SEP									
22...	1050	56	15	10	118	23	0.030	<0.010	0.50

ARKANSAS RIVER BASIN

07246940 POTEAU RIVER AT WALDRON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
21...	0800	--	0.790	<1	<1	<15	1	--	20
NOV									
24...	0700	0.580	0.560	1	--	25	<1	--	20
DEC									
29...	0715	0.360	0.260	<1	1	<15	2	--	<10
JAN									
27...	0815	0.100	0.070	<1	<1	--	<1	--	--
MAR									
10...	0830	0.200	0.140	<1	<1	21	--	--	40
24...	0830	0.220	0.110	<1	<1	<15	--	--	20
APR									
21...	0930	0.030	0.010	<1	<1	<15	<1	--	30
MAY									
12...	0830	0.180	0.050	1	--	16	3	--	10
JUN									
23...	0915	3.90	3.50	<1	--	<15	<1	--	--
JUL									
07...	0830	6.50	5.20	<1	2	<15	<1	<0.50	10
AUG									
25...	1000	0.080	0.010	<1	--	<15	--	--	10
SEP									
22...	1050	0.060	<0.010	--	1	<15	12	--	--

ARKANSAS RIVER BASIN

247

07246950 POTEAU RIVER NORTHWEST OF WALDRON, ARK.

LOCATION.--Lat 34°54'47", long 94°06'28", in SE ¼ SW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
21.	0815	9827	9827	7.49	17.0	--	0.3	17	--
NOV									
24.	0715	9827	9827	7.04	10.0	9.0	4.8	5.6	--
DEC									
29.	0735	9827	9827	7.09	7.0	15	7.4	8.0	--
JAN									
27.	0830	9827	9827	7.13	2.0	20	--	4.6	>600
MAR									
10.	0900	9827	9827	7.06	--	15	--	--	110
24.	0845	9827	9827	7.29	13.0	40	9.5	4.9	>6000
APR									
21.	0945	9827	9827	7.04	22.0	--	--	4.4	--
MAY									
12.	0845	9827	9827	7.10	22.0	15	--	6.6	--
JUN									
23.	0900	9827	9827	7.68	27.0	--	--	0.9	680
JUL									
07.	0800	9827	9827	7.25	25.0	6.9	5.1	4.0	680
AUG									
25.	1030	9827	9827	6.84	28.0	15	2.0	--	1200
SEP									
22.	1030	9827	9827	7.39	18.0	55	1.5	30	--
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+N03 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									
21.	0815	50	48	59	309	--	0.200	--	--
NOV									
24.	0715	40	27	--	166	13	0.250	5.00	5.2
DEC									
29.	0735	32	17	15	108	--	0.190	1.40	1.4
JAN									
27.	0830	22	12	12	84	5	0.190	1.20	2.5
MAR									
10.	0900	20	12	10	75	7	0.380	0.060	0.40
24.	0845	18	11	6.5	71	25	0.170	0.110	0.70
APR									
21.	0945	40	25	22	127	14	1.20	0.080	4.3
MAY									
12.	0845	34	--	14	101	9	0.140	2.20	4.0
JUN									
23.	0900	42	7.0	6.0	87	5	0.060	0.040	1.0
JUL									
07.	0800	46	--	7.5	--	11	0.030	0.060	2.5
AUG									
25.	1030	64	110	75	341	19	0.150	3.90	7.0
SEP									
22.	1030	54	25	28	213	19	0.260	5.00	11

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
OCT								
21.	0815	--	16.0	<1	<1	<15	2	20
NOV								
24.	0715	--	1.80	<1	--	16	<1	30
DEC								
29.	0735	1.40	1.00	<1	2	<15	2	20
JAN								
27.	0830	0.540	0.430	<1	<1	--	1	--
MAR								
10.	0900	0.930	0.810	<1	<1	21	--	30
24.	0845	0.170	0.080	<1	<1	<15	--	10
APR								
21.	0945	4.50	3.90	1	<1	<15	<1	30
MAY								
12.	0845	2.10	1.90	<1	--	18	2	10
JUN								
23.	0900	0.080	0.090	<1	--	<15	<1	--
JUL								
07.	0800	0.090	0.020	<1	1	--	2	10
AUG								
25.	1030	5.00	4.30	<1	--	<15	--	100
SEP								
22.	1030	4.10	2.80	--	2	<15	3	--

ARKANSAS RIVER BASIN

249

07247000 POTEAU RIVER AT CAUTHRON, ARK.

LOCATION.--Lat 34°55'08", long 94°17'55", in NW ¼ SW ¼ 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 JonesCreek, 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.--Records good. As of September 1974, flow from 92.2 mi² upstream from this station is controlled by 16-flood-water detention reservoirs that have a total combined capacity of 39,082 acre-ft below the flood spillway crests, of which 33,524 acre-ft is flood-detention capacity, 2,100 acre-ft is water-supply storage, and 3,458 acre-ft is sediment storage capacity.

AVERAGE DISCHARGE.--48 years, 218 ft³/s, 157,900 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, 9,050 ft³/s Mar. 18, gage height, 18.21 ft, minimum, 0.47 ft³/s Aug. 7, Sept. 10, gage height, 3.36 ft.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	3.1	60	36	141	1110	170	17	374	10	1.6	3.0
2	199	1.6	49	34	416	638	139	15	304	11	1.3	3.2
3	51	2.1	45	138	229	484	115	14	503	11	1.1	6.3
4	163	171	39	301	161	396	107	12	506	9.9	.95	3.2
5	296	328	36	159	135	331	96	12	309	7.8	.91	1.8
6	82	144	33	126	114	281	90	163	220	7.5	.70	1.2
7	45	98	108	104	112	239	83	281	160	6.3	.54	1.1
8	32	69	1150	86	99	202	82	132	122	5.8	.65	.78
9	26	56	906	654	81	163	77	89	98	4.5	.96	.72
10	16	44	420	565	71	133	66	64	82	3.8	1.5	1.2
11	16	246	289	338	68	116	61	48	71	3.6	2.2	1.2
12	24	177	241	256	64	109	67	50	69	3.3	2.2	6.3
13	52	111	191	207	60	94	75	44	69	4.8	2.0	7.1
14	33	78	149	179	66	94	84	48	59	4.9	2.0	3.2
15	23	67	147	159	397	87	78	64	51	7.1	1.9	1.6
16	14	62	150	145	903	86	68	51	45	6.8	1.8	1.7
17	9.1	54	132	120	462	3720	62	67	37	5.4	3.0	e5.0
18	6.9	51	123	345	343	3270	56	58	33	6.4	5.2	e5.5
19	5.6	39	104	457	273	1170	51	39	30	6.4	3.9	e4.5
20	4.1	37	83	297	231	849	45	30	30	6.7	2.8	e4.0
21	3.6	37	75	232	212	648	37	25	26	5.3	2.4	e4.0
22	4.2	33	64	194	192	481	36	20	26	6.9	2.5	e4.5
23	9.0	31	65	165	217	438	34	30	25	4.6	1.4	e5.0
24	37	30	55	143	173	703	28	156	25	3.5	17	e7.0
25	49	76	53	123	181	433	26	294	21	3.8	5.7	e6.0
26	31	258	52	112	312	313	28	293	19	26	1.4	e5.0
27	21	138	46	107	545	281	29	165	14	8.6	27	e3.5
28	13	95	42	96	1490	237	26	1520	13	2.8	18	e2.5
29	8.1	77	42	101	---	194	21	1280	10	1.7	19	e1.3
30	6.7	66	42	88	---	230	19	674	10	1.8	8.0	1.1
31	4.7	---	37	75	---	199	---	472	---	1.9	3.6	---
TOTAL	1341.0	2679.8	5028	6142	7748	17729	1956	6227	3361	199.9	143.21	102.50
MEAN	43.3	89.3	162	198	277	572	65.2	201	112	6.45	4.62	3.42
MAX	296	328	1150	654	1490	3720	170	1520	506	26	27	7.1
MIN	3.6	1.6	33	34	60	86	19	12	10	1.7	.54	.72
AC-FT	2660	5320	9970	12180	15370	35170	3880	12350	6670	397	284	203

CAL YR 1986 TOTAL 74873.03 MEAN 205 MAX 4460 MIN 1.5 AC-FT 148500
WTR YR 1987 TOTAL 52657.17 MEAN 144 MAX 3720 MIN .54 AC-FT 104400

e Estimated

ARKANSAS RIVER BASIN

07249400 JAMES FORK NEAR HACKETT, ARK.

LOCATION.--Lat 35°09'45", long 94°24'25", in NW ¼ NW ¼ 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.--No estimated discharges. Water-discharge records good.

AVERAGE DISCHARGE.--29 years, 133 ft³/s, 12.29 in/yr, 96,360 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)
Mar. 17	2400	*6,240	*20.29	No other peak greater than base discharge.			
Minimum discharge, 0.67 ft ³ /s Oct. 18, 19, 20.							

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	21	15	17	76	833	117	23	78	10	4.0	3.2
2	18	34	22	14	210	334	100	23	59	21	3.6	2.8
3	10	46	21	65	106	233	90	22	54	23	3.3	2.8
4	26	115	20	161	74	181	84	21	242	20	3.3	2.7
5	11	128	19	70	61	141	75	19	115	15	3.2	2.7
6	8.8	45	18	58	56	121	72	19	73	16	3.2	2.7
7	5.0	32	11	52	53	106	67	19	57	10	3.3	2.7
8	8.7	25	166	44	50	95	63	18	48	8.9	3.2	2.7
9	9.8	22	229	523	46	82	60	16	42	8.5	3.0	2.6
10	10	21	113	404	38	75	77	16	39	8.2	8.6	2.6
11	5.2	50	71	156	33	69	71	17	38	7.8	11	3.1
12	10	46	57	107	32	64	68	16	35	7.1	5.8	7.4
13	31	33	48	87	26	60	196	16	33	15	3.8	5.0
14	14	27	43	75	75	58	267	16	29	18	3.7	3.0
15	7.6	24	47	67	359	55	162	16	25	17	3.0	1.8
16	4.5	23	51	65	672	58	97	16	21	12	2.8	2.5
17	2.4	22	47	62	290	3140	58	16	16	11	4.7	2.8
18	1.2	21	44	192	253	2460	58	16	13	10	6.6	3.8
19	1.1	20	39	260	188	493	47	85	13	7.8	5.0	3.4
20	.82	19	36	141	150	312	39	129	13	7.1	4.1	2.3
21	2.0	19	34	99	128	245	35	93	17	6.7	3.3	2.1
22	1.8	18	31	86	118	207	30	78	14	5.5	2.8	2.2
23	6.4	18	31	72	131	208	26	39	15	4.6	2.8	2.4
24	16	19	30	68	109	708	24	39	26	3.7	2.8	4.0
25	12	21	30	63	116	289	53	39	28	4.3	2.8	3.6
26	5.9	29	29	57	380	218	47	39	16	7.8	3.8	2.7
27	5.1	31	23	53	556	230	33	49	12	5.1	8.3	2.0
28	4.6	26	16	51	1090	184	26	430	9.8	4.3	6.1	1.5
29	6.5	19	15	48	---	162	22	163	8.0	4.8	4.4	1.9
30	14	10	14	43	---	146	20	101	8.8	4.1	3.3	2.1
31	20	---	15	40	---	135	---	79	---	3.8	3.0	---
TOTAL	293.42	984	1385	3300	5476	11702	2184	1688	1197.6	308.1	132.6	87.1
MEAN	9.47	32.8	44.7	106	196	377	72.8	54.5	39.9	9.94	4.28	2.90
MAX	31	128	229	523	1090	3140	267	430	242	23	11	7.4
MIN	.82	10	11	14	26	55	20	16	8.0	3.7	2.8	1.5
AC-FT	582	1950	2750	6550	10860	23210	4330	3350	2380	611	263	173
CFSM	.06	.22	.30	.72	1.33	2.57	.50	.37	.27	.07	.0	.0
IN.	.07	.25	.35	.84	1.39	2.96	.55	.43	.30	.08	.0	.0

CAL YR 1986 TOTAL 33641.86 MEAN 92.2 MAX 2890 MIN .82 AC-FT 66730 CFSM .63 IN. 8.51
WTR YR 1987 TOTAL 28737.67 MEAN 78.7 MAX 3140 MIN .82 AC-FT 57000 CFSM .54 IN. 7.27

ARKANSAS RIVER BASIN

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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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
21.	0645	9827	9827	7.71	15.0	--	5.9	--	100
NOV									
24.	0600	9827	9827	7.64	9.0	8.5	9.2	1.1	--
DEC									
29.	0615	9827	9827	7.86	6.0	8.0	11.3	1.2	84
JAN									
27.	0715	9827	9827	7.41	3.0	25	--	1.3	12
MAR									
10.	0730	9827	9827	7.33	11.0	20	9.7	--	36
24.	0730	9827	9827	7.10	13.0	65	9.0	2.8	>6000
APR									
21.	0830	9827	9827	7.38	20.0	--	--	2.6	--
MAY									
12.	0715	9827	9827	7.33	21.0	25	--	1.8	190
JUN									
23.	0800	9827	9827	7.60	27.0	--	7.1	1.9	170
JUL									
07.	0715	9827	9827	7.65	26.0	6.9	6.8	3.0	40
AUG									
25.	0822	9827	9827	7.51	27.0	10	4.2	--	76
SEP									
22.	0920	9827	9827	7.61	18.0	8.0	5.3	0.9	90
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)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
21.	0645	180	100	6.0	314	--	0.130	--	--
NOV									
24.	0600	150	97	--	249	14	0.460	0.060	0.040
DEC									
29.	0615	120	75	7.5	206	--	0.320	0.040	0.010
JAN									
27.	0715	74	49	6.5	150	7	0.540	0.060	0.050
MAR									
10.	0730	66	44	5.5	145	15	0.620	0.070	0.070
24.	0730	40	34	6.0	94	81	0.180	0.060	0.140
APR									
21.	0830	100	64	5.5	171	24	0.340	0.010	0.030
MAY									
12.	0715	68	--	6.5	147	27	0.220	0.170	0.070
JUN									
23.	0800	110	81	5.0	190	16	0.170	0.110	0.070
JUL									
07.	0715	110	--	5.0	--	10	0.120	0.010	0.050
AUG									
25.	0822	140	100	6.5	251	13	0.010	0.020	0.060
SEP									
22.	0920	160	120	5.5	256	11	0.070	0.010	0.030

ARKANSAS RIVER BASIN

07249400 JAMES FORK NEAR HACKETT, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
21.	0645	0.010	<1	<1	<15	1	--	<10
NOV								
24.	0600	0.010	18	--	<15	5	--	30
DEC								
29.	0615	0.010	<1	1	<15	2	--	20
JAN								
27.	0715	0.020	1	<1	--	1	--	--
MAR								
10.	0730	0.010	<1	<1	<15	--	--	30
24.	0730	0.050	<1	<1	<15	--	--	30
APR								
21.	0830	<0.010	<1	<1	<15	<1	--	40
MAY								
12.	0715	0.030	1	--	20	1	--	20
JUN								
23.	0800	<0.010	<1	--	<15	<1	--	--
JUL								
07.	0715	0.010	<1	2	23	2	0.50	30
AUG								
25.	0822	<0.010	<1	--	<15	--	--	10
SEP								
22.	0920	<0.010	--	<1	<15	7	--	--

07250000 LEE CREEK NEAR VAN BUREN, ARK.

LOCATION.--Lat 35°29'40", long 94°26'58", in SE ¼ 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.--Records good except for estimated daily discharges, which are fair. Satellite telemeter at station.

AVERAGE DISCHARGE.--43 years (1930-36, 1950-87), 506 ft³/s, 16.13 in/yr, 366,600 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)
Oct. 1	2200	*34,300	*21.71	Apr. 13	2400	25,300	18.85
Mar. 17	2100	26,300	19.21				

Minimum discharge, 1.7 ft³/s Sept. 9, 10, gage height, 0.51 ft.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17200	339	278	147	380	4760	721	238	822	e75	5.8	3.2
2	6930	308	268	141	565	2600	656	217	625	e60	5.2	2.8
3	1940	283	251	149	603	1810	593	506	471	e60	4.5	2.5
4	1510	1290	235	173	518	1380	535	1000	370	e90	4.7	2.3
5	1060	3860	220	200	460	1130	486	707	301	e95	5.3	2.1
6	791	2130	206	207	426	981	448	1480	251	e60	4.4	1.9
7	620	1440	221	205	405	855	418	2220	210	e55	3.7	1.9
8	505	1230	353	199	382	759	390	1410	180	e50	3.2	1.9
9	446	1030	607	3360	355	683	362	905	155	e45	3.0	1.8
10	432	858	700	3350	335	610	341	663	138	e40	2.7	2.0
11	365	856	613	1830	320	538	322	509	127	e25	4.4	2.2
12	641	814	532	1280	308	479	306	406	120	e25	6.9	2.3
13	830	696	460	1020	295	433	9540	339	108	e30	5.0	3.0
14	680	611	409	863	552	399	8470	295	96	e30	3.9	4.3
15	551	555	380	747	1150	372	3680	285	83	e25	3.4	4.8
16	446	509	361	683	2500	351	2420	281	70	e15	3.0	6.2
17	375	466	347	651	1940	12700	1750	230	59	e20	3.3	5.4
18	325	422	329	1840	1480	8890	1360	210	50	e95	3.8	21
19	287	377	305	2500	1360	3270	1110	187	43	e30	3.9	51
20	256	338	283	1670	1200	2160	934	160	44	e20	3.5	36
21	229	312	266	1270	1040	1640	792	140	40	e15	3.2	28
22	231	290	247	1050	931	1490	694	166	36	e10	3.0	23
23	1050	271	232	883	815	1390	613	232	46	e10	2.7	19
24	1180	256	222	776	726	2570	539	280	105	e15	2.3	16
25	879	258	212	693	662	2000	468	367	137	e30	2.1	14
26	817	308	200	610	647	1460	413	495	87	e10	2.0	13
27	726	365	188	539	834	1220	368	413	75	e8.0	4.5	12
28	612	338	178	493	4780	1070	324	1140	e65	e8.0	4.8	23
29	511	311	166	447	---	1000	291	3430	e60	7.0	4.5	75
30	433	290	158	409	---	897	264	1920	e60	6.7	3.6	44
31	381	---	151	376	---	794	---	1120	---	6.1	3.3	---
TOTAL	43239	21411	9578	28761	25969	60691	39608	21951	5034	1070.8	119.6	425.6
AN	1395	714	309	928	927	1958	1320	708	168	34.5	3.86	14.2
IX	17200	3860	700	3360	4780	12700	9540	3430	822	95	6.9	75
IN	229	256	151	141	295	351	264	140	36	6.1	2.0	1.8
C-FT	85760	42470	19000	57050	51510	120400	78560	43540	9980	2120	237	844
FSM	3.27	1.68	.73	2.18	2.18	4.60	3.10	1.66	.39	.08	.0	.0
N.	3.78	1.87	.84	2.51	2.27	5.30	3.46	1.92	.44	.09	.0	.0

AL YR 1986 TOTAL 238302.6 MEAN 653 MAX 17200 MIN 4.7 AC-FT 472700 CFSM 1.53 IN. 20.8
TR YR 1987 TOTAL 257857.3 MEAN 706 MAX 17200 MIN 1.8 AC-FT 511500 CFSM 1.66 IN. 22.5

e Estimated

ARKANSAS RIVER BASIN

07250500 ARKANSAS RIVER AT VAN BUREN, ARK.

LOCATION.--Lat 35°25'42", long 94°21'37", in SE ¼ SW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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										
21...	1500	9827	9827	7.60	21.0	--	7.9	4.8	>600	96
NOV										
25...	0700	9827	9827	7.91	10.0	40	10.3	2.4	--	140
DEC										
29...	1330	9827	9827	7.97	--	20	11.3	1.3	52	150
JAN										
27...	1430	9827	9827	8.03	6.0	25	--	1.6	230	130
MAR										
10...	1530	9827	9827	8.11	--	40	11.3	--	--	170
25...	0800	9827	9827	8.33	11.0	35	10.1	3.1	760	140
APR										
21...	1530	9827	9827	8.31	19.0	--	--	3.2	--	170
MAY										
12...	0500	9827	9827	8.20	23.0	20	--	3.0	1000	190
JUN										
23...	1545	9827	9827	8.33	27.0	--	8.3	3.5	3200	170
JUL										
07...	1430	9827	9827	8.53	29.0	15	10.3	3.4	840	190
AUG										
25...	0700	9827	9827	8.29	28.0	10	7.8	2.4	450	210
SEP										
22...	0800	9827	9827	8.26	23.0	15	8.5	1.9	1600	190

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 SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+N03 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)
OCT										
21...	1500	28	31	218	--	0.440	--	--	0.080	1
NOV										
25...	0700	47	--	351	23	0.570	0.100	0.170	0.110	<1
DEC										
29...	1330	50	84	257	--	0.580	0.080	0.130	0.100	<1
JAN										
27...	1430	47	69	308	15	0.680	0.050	0.120	0.070	1
MAR										
10...	1530	64	95	397	43	0.110	0.060	0.160	0.070	<1
25...	0800	54	73	316	46	0.630	0.070	0.140	0.080	<1
APR										
21...	1530	62	130	409	23	0.540	<0.010	0.110	0.050	1
MAY										
12...	0500	--	140	474	21	0.310	0.080	0.100	0.030	<1
JUN										
23...	1545	72	90	371	17	0.300	<0.010	0.140	0.030	<1
JUL										
07...	1430	--	120	--	37	0.080	<0.010	0.140	0.030	<1
AUG										
25...	0700	100	170	531	15	0.050	0.030	0.130	0.050	<1
SEP										
22...	0800	110	120	474	19	0.140	0.040	0.110	0.050	--

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	BETA BENZENE HEXACHLORIDE TOTAL (UG/L) (39338)	DELTA BENZENE HEXACHLORIDE TOTAL (UG/L) (34259)
OCT 21...	1500	4	<15	7	--	50	--	--	--	--
NOV 25...	0700	--	<15	2	--	10	--	--	--	--
DEC 29...	1330	2	<15	1	--	30	<0.002	<0.01	<0.01	<0.01
JAN 27...	1430	1	--	1	--	--	--	--	--	--
MAR 10...	1530	<1	22	--	--	30	--	--	--	--
25...	0800	<1	<15	--	--	10	<0.002	<0.01	<0.01	<0.01
APR 21...	1530	<1	<15	<1	--	20	--	--	--	--
MAY 12...	0500	--	<15	1	--	<10	<0.002	<0.01	<0.01	<0.01
JUN 23...	1545	--	16	<1	--	--	--	--	--	--
JUL 07...	1430	2	<15	3	<0.50	<10	--	--	--	--
AUG 25...	0700	--	<15	--	--	20	<0.002	<0.01	<0.01	<0.01
SEP 22...	0800	<1	<15	6	--	--	--	--	--	--

DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLORDANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)
DEC 29...	1330	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAR 25...	0800	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAY 12...	0500	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
AUG 25...	0700	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06

DATE	TIME	ALACHLOR TOTAL RECOVER (UG/L) (77825)	MALATHION, TOTAL (UG/L) (39530)	CHLORPYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDEHYDE TOTAL (UG/L) (34366)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	TOXAPHENE, TOTAL (UG/L) (39400)	AROCLO 1016 PCB TOTAL (UG/L) (34671)
DEC 29...	1330	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAR 25...	0800	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAY 12...	0500	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
AUG 25...	0700	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3

DATE	TIME	AROCLO 1221 PCB TOTAL (UG/L) (39488)	AROCLO 1232 PCB TOTAL (UG/L) (39492)	AROCLO 1242 PCB TOTAL (UG/L) (39496)	AROCLO 1248 PCB TOTAL (UG/L) (39500)	AROCLO 1254 PCB TOTAL (UG/L) (39504)	AROCLO 1260 PCB TOTAL (UG/L) (39508)	METHOXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARATHION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
DEC 29...	1330	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAR 25...	0800	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAY 12...	0500	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
AUG 25...	0700	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

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 good. Beginning Apr. 26, 1970, daily discharge computed from relation between discharge, head, and gate openings. Flow regulated upstream by many locks, dams, and reservoirs. Satellite telemeter at station.

AVERAGE DISCHARGE,--60 years, 32,200 ft³/s, 23,330,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 850,000 ft³/s May 12, 1943, gage height, 38.0 ft, from floodmark site and datum then in use; maximum gage height, 38.10 ft, former site and datum, Apr. 16, 1945; no flow Nov. 2, 1975, Feb. 1, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1833, that of Apr. 16, 1945, and maximum discharge since at least 1833, that of May 12, 1943. Flood in June 1833 reached a stage of 38.0 ft on Fort Smith gage, from records collected by National Weather Service. Flood of Apr. 16, 1927, reached a stage of 35.0 ft, former site and datum, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 357,000 ft³/s Oct. 9, tailwater elevation, 400.32 ft; minimum daily, 254 ft³/s Sept. 26, 27.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127000	145000	61400	32500	48500	147000	114000	32800	126000	28500	22800	19100
2	200000	142000	59000	34500	55000	156000	99600	30900	124000	32300	12600	13400
3	220000	134000	60200	23900	67500	146000	84000	27500	127000	35100	13100	15900
4	205000	131000	55100	23500	61900	142000	79000	32700	126000	36500	7780	13900
5	235000	136000	50900	23300	63600	144000	78800	12400	127000	43100	612	18900
6	284000	132000	50600	20300	63300	145000	79100	17000	126000	47800	4100	7390
7	328000	121000	44200	24800	60500	146000	77500	12000	126000	48400	4160	6520
8	348000	132000	46100	24800	61000	145000	76300	24000	126000	48200	5110	16300
9	350000	130000	63500	39800	64300	145000	63700	25200	125000	49000	4150	10400
10	335000	126000	63000	58600	62900	143000	45800	35900	109000	52000	7320	14100
11	320000	111000	67700	56000	60700	143000	45400	35600	93900	45600	6950	6790
12	314000	92500	69000	46000	54500	144000	45400	36300	82700	46800	7940	5620
13	311000	73100	72600	42700	50800	145000	54100	35900	74200	46600	7970	17400
14	309000	78400	72100	44100	46800	146000	78000	27600	74100	46600	10300	1600
15	296000	75400	62400	48700	50400	141000	70400	27900	72000	44900	9280	12900
16	274000	77500	52400	46100	65200	128000	59700	20400	67600	43000	1310	9740
17	253000	77500	47700	46100	81500	143000	46400	12300	42200	43600	11200	12500
18	230000	76600	47100	61600	92500	166000	47400	16300	42100	43000	5300	8000
19	201000	73500	43900	72500	94300	161000	47400	24900	41600	40000	10000	11000
20	180000	70800	37800	62900	93500	152000	47400	17900	44100	39300	13600	17000
21	168000	70500	37000	57900	89400	144000	46800	27600	44300	34200	19200	14000
22	154000	57900	35600	59600	78100	146000	46500	14000	41600	35900	18800	22500
23	148000	44300	35600	59200	77100	155000	46000	20000	42600	36100	6230	4700
24	146000	41700	35600	59400	75600	158000	45800	23000	42600	36300	19400	11300
25	145000	39400	31000	54300	73400	157000	41600	18000	42100	29800	13500	3870
26	145000	39000	30000	48900	74400	152000	42400	17500	40600	22700	11900	254
27	149000	44100	30300	45400	78900	150000	38800	14000	43900	11600	21700	254
28	148000	48800	32200	42000	130000	148000	37800	48000	43000	16800	20400	16000
29	146000	54400	30900	40100	---	144000	34800	122000	30900	31100	3830	25000
30	144000	50500	26800	39200	---	142000	31300	125000	31500	23300	9410	31500
31	145000	---	24100	44200	---	138000	---	130000	---	19500	17500	---
TOTAL	6958000	2625900	1475800	1382900	1975600	4562000	1751200	1064600	2279600	1157600	327452	367838
MEAN	224500	87530	47610	44610	70560	147200	58370	34340	75990	37340	10560	12260
MAX	350000	145000	72600	72500	130000	166000	114000	130000	127000	52000	22800	31500
MIN	127000	39000	24100	20300	46800	128000	31300	12000	30900	11600	612	254
AC-FT	13800000	5208000	2927000	2743000	3919000	9049000	3474000	2112000	4522000	2296000	649500	7296000
CAL YR 1986	TOTAL 20169100		MEAN 55260	MAX 350000	MIN 78	AC-FT 40010000						
WTR YR 1987	TOTAL 25928500		MEAN 71040	MAX 350000	MIN 254	AC-FT 51430000						

ARKANSAS RIVER BASIN

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

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
NOV										
18...	1200	80513	80020	7200	595	8.05	10.0	37	10.2	91
DEC										
05...	0830	80513	80020	1900	655	7.92	10.0	27	10.6	94
FEB										
25...	0945	80513	80020	4200	585	7.90	7.0	17	10.2	84
APR										
22...	0730	80513	80020	4400	730	8.30	18.0	6.3	10.0	107
JUN										
23...	0800	80513	80020	1800	650	8.25	28.0	8.7	8.1	105
JUL										
20...	1445	80513	80020	9600	855	8.45	28.5	3.5	8.3	108
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 CAC03) (00900)	HARD- NESS NONCARB WH WAT TOT FLD 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)
NOV										
18...	1200	760	560	1300	130	42	38	9.0	63	50
DEC										
05...	0830	763	160	600	120	30	35	8.0	56	49
FEB										
25...	0945	764	K120	120	130	41	38	9.7	53	46
APR										
22...	0730	757	1100	K360	170	64	49	12	82	50
JUN										
23...	0800	753	2300	K72	160	21	46	12	61	44
JUL										
20...	1445	760	K920	16	190	44	53	15	96	51
DATE	TIME	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	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)
NOV										
18...	1200	2	3.8	90	0	110	46	97	0.20	8.2
DEC										
05...	0830	2	3.5	91	0	110	44	86	0.20	7.6
FEB										
25...	0945	2	2.6	94	0	110	51	85	0.20	7.2
APR										
22...	0730	3	3.3	108	0	130	74	120	0.20	6.0
JUN										
23...	0800	2	3.8	143	0	180	76	91	0.30	5.5
JUL										
20...	1445	3	4.4	151	0	180	74	140	0.30	4.0

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	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)	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										
18...	1200	310	320	0.42	--	<0.010	0.510	0.040	0.050	1.1
DEC										
05...	0830	303	297	0.41	--	<0.010	0.530	0.140	0.130	0.46
FEB										
25...	0945	306	302	0.42	0.490	0.020	0.510	<0.010	<0.010	--
APR										
22...	0730	410	412	0.56	0.540	0.010	0.550	0.060	0.050	1.0
JUN										
23...	0800	364	382	0.50	--	<0.010	0.290	0.050	0.050	0.65
JUL										
20...	1445	492	478	0.67	--	<0.010	0.210	0.020	0.020	0.68

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)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
NOV										
18...	1200	1.1	0.110	0.090	0.070	91	40	2	<0.5	<1
DEC										
05...	0830	0.60	0.160	0.090	0.070	82	40	1	<0.5	<1
FEB										
25...	0945	2.3	0.040	0.070	0.040	--	--	--	--	--
APR										
22...	0730	1.1	0.050	0.040	0.020	86	30	1	<0.5	1
JUN										
23...	0800	0.70	0.090	0.090	0.020	--	--	--	--	--
JUL										
20...	1445	0.70	0.100	0.040	0.030	110	20	2	<0.5	<1

DATE	TIME	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)
NOV									
18...	1200	4	<3	20	38	<5	7	6	<0.1
DEC									
05...	0830	<1	<3	3	22	<5	7	8	<0.1
APR									
22...	0730	<1	<3	<1	37	<5	22	1	<0.1
JUL									
20...	1445	<1	<3	<1	6	<5	13	<1	<0.1

DATE	TIME	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV									
18...	1200	<10	3	<1	<1	290	12	56	75
DEC									
05...	0830	<10	3	<1	<1	250	8	54	92
FEB									
25...	0945	--	--	--	--	--	--	27	82
APR									
22...	0730	<10	2	<1	<1	380	25	24	86
JUN									
23...	0800	--	--	--	--	--	--	25	73
JUL									
20...	1445	<10	3	<1	<1	490	6	28	78

ARKANSAS RIVER BASIN

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07252000 MULBERRY RIVER NEAR MULBERRY, ARK.

LOCATION.--Lat 35°34'37", long 94°00'55", in SE ¼ SW ¼ 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.--49 years, 540 ft³/s, 19.66 in/yr, 391,200 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)
Mar. 17	2300	*19,300	*13.06	No other peak greater than base discharge.			
Minimum discharge, 5.4 ft ³ /s July 30, 31, Aug. 1-4, Sept. 15, gage height 0.72 ft.							

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	294	188	241	168	328	4320	1160	128	984	35	5.4	13
2	659	175	240	163	408	2700	1050	112	793	39	5.4	11
3	416	164	234	164	507	2090	938	106	607	34	5.4	10
4	341	219	222	181	481	1690	855	105	475	30	6.3	9.4
5	651	1090	209	188	447	1400	787	105	368	36	9.3	8.6
6	402	1100	198	201	423	1180	725	105	287	33	8.3	7.9
7	290	842	196	210	397	1000	676	108	231	29	7.3	7.4
8	239	700	247	236	369	864	628	132	182	25	8.6	6.7
9	216	603	451	978	344	766	595	146	156	23	8.7	6.2
10	303	512	677	2430	321	663	563	119	137	20	7.3	6.4
11	318	489	662	1770	305	588	532	92	127	19	7.3	6.2
12	409	469	598	1370	297	525	503	83	125	17	15	5.9
13	448	426	525	1120	283	471	491	83	119	16	14	5.7
14	395	384	466	934	995	426	520	66	112	15	9.8	5.7
15	334	360	425	810	2270	390	557	75	103	14	7.3	5.4
16	289	342	397	699	4880	359	557	73	106	13	6.1	6.6
17	253	324	372	605	3080	3760	551	51	90	13	5.7	7.0
18	227	302	348	648	2240	8280	520	42	74	13	6.3	7.1
19	202	280	319	1010	1850	4140	480	34	64	13	8.1	8.0
20	180	261	299	1010	1540	2980	441	28	62	13	8.9	9.5
21	163	244	282	924	1300	2460	400	23	61	11	9.5	9.5
22	153	229	258	848	1120	2210	376	20	86	10	10	9.3
23	160	220	244	763	952	2040	342	20	92	9.8	10	8.4
24	192	207	240	684	804	3500	276	36	75	9.0	9.8	7.7
25	207	200	234	624	695	3050	281	207	63	8.4	8.4	7.2
26	219	205	222	567	623	2500	253	456	51	8.4	7.5	6.6
27	233	238	210	512	615	2230	224	493	45	7.6	11	6.1
28	236	245	197	464	1450	1970	197	492	40	8.8	16	8.1
29	232	245	187	425	---	1740	168	1340	34	7.9	17	10
30	217	243	177	388	---	1500	147	1600	31	16	15	9.7
31	202	---	172	347	---	1300	---	1040	---	5.4	14	---
TOTAL	9080	11506	9749	21441	29324	63092	15793	7520	5780	552.3	288.7	236.3
MEAN	293	384	314	692	1047	2035	526	243	193	17.8	9.31	7.88
MAX	659	1100	677	2430	4880	8280	1160	1600	984	39	17	13
MIN	153	164	172	163	283	359	147	20	31	5.4	5.4	5.4
AC-FT	18010	22820	19340	42530	58160	125100	31330	14920	11460	1100	573	469
CFSM	.79	1.03	.84	1.85	2.81	5.46	1.41	.65	.52	.0	.0	.0
IN.	.91	1.15	.97	2.14	2.92	6.29	1.58	.75	.58	.06	.0	.0

CAL YR 1986 TOTAL 143014.5 MEAN 392 MAX 5160 MIN 2.2 AC-FT 283700 CFSM 1.05 IN. 14.3
WTR YR 1987 TOTAL 174361.5 MEAN 478 MAX 8280 MIN 5.4 AC-FT 345800 CFSM 1.28 IN. 17.4

ARKANSAS RIVER BASIN

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

LOCATION.--Lat 35°32'06", long 94°02'12", in NE ¼ NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
21.	1400	9827	9827	7.09	19.0	--	10.2	1.1	4
NOV									
25.	0800	9827	9827	7.19	10.0	5.0	7.4	0.9	--
DEC									
29.	1245	9827	9827	7.35	--	7.0	12.5	1.8	10
JAN									
27.	1330	9827	9827	7.45	6.0	9.5	--	1.2	4
MAR									
10.	1445	9827	9827	7.22	--	7.1	--	--	--
25.	0830	9827	9827	7.39	10.0	2.0	10.8	1.4	64
APR									
21.	1500	9827	9827	7.45	21.0	--	--	1.6	--
MAY									
12.	1330	9827	9827	7.82	26.0	5.5	--	1.6	12
JUN									
23.	1500	9827	9827	7.17	28.0	--	7.7	1.8	--
JUL									
07.	1400	9827	9827	7.29	31.0	2.6	9.0	2.5	40
AUG									
25.	1625	9827	9827	7.30	31.0	3.4	8.5	3.5	52
SEP									
22.	1753	9827	9827	7.28	24.0	4.5	9.1	1.6	4

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- PENDE (MG/L) (00530)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
21.	1400	4	4.0	3.0	40	--	0.100	--	--
NOV									
25.	0800	2	2.0	--	39	4	0.120	0.020	0.020
DEC									
29.	1245	14	4.0	1.0	35	--	0.130	0.020	0.020
JAN									
27.	1330	12	3.0	2.0	33	1	0.190	0.080	0.040
MAR									
10.	1445	16	3.0	4.0	48	3	0.660	0.020	0.040
25.	0830	<12	4.0	3.5	33	7	0.160	0.030	0.060
APR									
21.	1500	14	6.0	2.0	30	1	0.040	0.070	0.010
MAY									
12.	1330	18	--	2.5	41	3	0.060	0.040	0.020
JUN									
23.	1500	14	3.0	2.0	32	4	0.070	0.090	0.050
JUL									
07.	1400	14	--	3.0	--	1	0.050	0.020	0.040
AUG									
25.	1625	12	3.0	3.5	26	2	0.020	0.030	0.050
SEP									
22.	1753	12	3.0	2.0	35	11	0.060	<0.100	0.040

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
21.	1400	0.010	<1	<1	<15	1	--	20
NOV								
25.	0800	0.010	<1	--	<15	<1	--	<10
DEC								
29.	1245	0.010	<1	1	<15	1	--	40
JAN								
27.	1330	0.020	1	<1	--	<1	--	--
MAR								
10.	1445	<0.010	<1	<1	19	--	--	30
25.	0830	0.030	<1	<1	<15	--	--	10
APR								
21.	1500	0.010	<1	<1	<15	<1	--	20
MAY								
12.	1330	<0.010	<1	--	<15	1	--	<10
JUN								
23.	1500	<0.010	<1	--	<15	<1	--	--
JUL								
07.	1400	0.010	<1	1	<15	1	<0.50	10
AUG								
25.	1625	<0.010	<1	--	<15	--	--	20
SEP								
22.	1753	<0.010	--	<1	<15	7	--	--

ARKANSAS RIVER BASIN

07252406 ARKANSAS RIVER AT OZARK DAM AT OZARK, ARK.

LOCATION.--Lat 35°28'21", long 93°48'46", in SW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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										
21...	1330	9827	9827	7.69	20.0	--	8.1	1.2	110	90
NOV										
24...	1200	9827	9827	7.92	11.0	40	10.8	1.1	--	130
DEC										
29...	1215	9827	9827	8.06	--	20	12.2	1.6	20	140
JAN										
27...	1300	9827	9827	8.10	5.0	25	--	2.0	80	140
MAR										
10...	1345	9827	9827	8.13	--	35	12.0	--	--	170
24...	1330	9827	9827	8.09	13.0	35	10.0	2.9	190	160
APR										
21...	1415	9827	9827	8.25	19.0	--	--	2.9	--	170
MAY										
12...	1300	9827	9827	8.36	25.0	20	--	4.1	60	190
JUN										
23...	1430	9827	9827	8.24	28.0	--	8.1	2.7	30	160
JUL										
07...	1330	9827	9827	8.37	29.0	15	9.4	3.3	16	190
AUG										
25...	1625	9827	9827	8.74	31.0	8.5	10.3	3.1	24	200
SEP										
22...	1700	9827	9827	8.53	25.0	15	9.2	2.5	8	200

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- PENDED (MG/L) (00530)	NITRO- GEN, NO2+N03 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)
OCT										
21...	1330	28	30	220	--	0.500	--	--	0.080	<1
NOV										
24...	1200	48	--	345	25	0.560	0.050	0.150	0.110	<1
DEC										
29...	1215	50	75	342	--	0.610	0.080	0.140	0.110	<1
JAN										
27...	1300	50	80	337	13	0.610	0.030	0.120	0.070	<1
MAR										
10...	1345	68	97	413	43	0.620	0.140	0.160	0.080	<1
24...	1330	59	88	347	43	0.660	0.060	0.140	0.080	<1
APR										
21...	1415	68	150	451	19	0.620	<0.010	0.090	0.050	<1
MAY										
12...	1300	--	120	456	30	0.320	0.030	0.100	0.020	<1
JUN										
23...	1430	70	90	360	13	0.340	<0.010	0.120	0.030	<1
JUL										
07...	1330	--	110	--	21	0.170	<0.010	0.110	0.050	<1
AUG										
25...	1625	110	170	538	13	<0.010	<0.010	0.120	0.030	<1
SEP										
22...	1700	110	130	490	28	0.090	<0.010	0.110	0.040	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L (01034)	COPPER, TOTAL RECOVERABLE (UG/L (01042)	LEAD, TOTAL RECOVERABLE (UG/L (01051)	MERCURY TOTAL RECOVERABLE (UG/L (71900)	ZINC, TOTAL RECOVERABLE (UG/L (01092)	ALDRIN, TOTAL (39330)	ALPHA BHC TOTAL (39337)	BETA BENZENE HEXACHLORIDE TOTAL (39338)	DELTA BENZENE HEXACHLORIDE TOTAL (34259)
OCT 21...	1330	3	<15	5	--	30	--	--	--	--
NOV 24...	1200	--	<15	3	--	30	--	--	--	--
DEC 29...	1215	5	<15	4	--	30	<0.002	<0.01	<0.01	<0.01
JAN 27...	1300	2	--	1	--	--	--	--	--	--
MAR 10...	1345	<1	<15	--	--	30	--	--	--	--
APR 24...	1330	<1	<15	--	--	10	<0.002	<0.01	<0.01	<0.01
MAY 21...	1415	<1	<15	<1	--	40	--	--	--	--
JUN 12...	1300	--	16	1	--	10	<0.002	<0.01	<0.01	<0.01
JUL 23...	1430	--	<15	1	--	--	--	--	--	--
AUG 07...	1330	2	17	1	<0.50	<10	--	--	--	--
SEP 25...	1625	--	<15	--	--	10	<0.002	<0.01	<0.01	<0.01
SEP 22...	1700	<1	<15	8	--	--	--	--	--	--

DATE	TIME	LINDANE TOTAL (UG/L (39340)	CHLORDANE, TOTAL (UG/L (39350)	P,P' DDD, TOTAL (UG/L (39310)	P,P' DDE, TOTAL (UG/L (39320)	P,P' DDT, TOTAL (UG/L (39300)	DI-ELDRIN TOTAL (UG/L (39380)	ENDO-SULFAN ALPHA TOTAL (34361)	ENDO-SULFAN BETA TOTAL (34356)	ENDO-SULFAN SULFATE TOTAL (34351)
DEC 29...	1215	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAR 24...	1330	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAY 12...	1300	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
AUG 25...	1625	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06

DATE	TIME	ALACHLOR TOTAL RECOVER (UG/L (77825)	MALATHION, TOTAL (UG/L (39530)	CHLOR-PYRIFOS TOTAL (UG/L (81403)	ENDRIN, TOTAL (UG/L (39390)	ENDRIN ALDEHYDE TOTAL (UG/L (34366)	HEPTACHLOR, TOTAL (UG/L (39410)	HEPTACHLOR EPOXIDE TOTAL (UG/L (39420)	TOXAPHENE, TOTAL (UG/L (39400)	AROCLO 1016 PCB TOTAL (34671)
DEC 29...	1215	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAR 24...	1330	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAY 12...	1300	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
AUG 25...	1625	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3

DATE	TIME	AROCLO 1221 PCB TOTAL (UG/L (39488)	AROCLO 1232 PCB TOTAL (UG/L (39492)	AROCLO 1242 PCB TOTAL (UG/L (39496)	AROCLO 1248 PCB TOTAL (UG/L (39500)	AROCLO 1254 PCB TOTAL (UG/L (39504)	AROCLO 1260 PCB TOTAL (UG/L (39508)	METHOXY- CHLOR, TOTAL (UG/L (39480)	METHYL PARATHION, TOTAL (UG/L (39600)	DI-AZINON, TOTAL (UG/L (39570)
DEC 29...	1215	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAR 24...	1330	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAY 12...	1300	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
AUG 25...	1625	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

ARKANSAS RIVER BASIN

07256040 SHORT MOUNTAIN CREEK WEST OF PARIS, ARK.

LOCATION.--Lat 35°17'32", long 93°44'16", in SW ¼ NW ¼ sec.11, T.7 N., R.26 W., Logan County, Hydrologic Unit 11110202, at bridge on State Highway 22 .5 mi east of Paris, Ark.

PERIOD OF RECORD.--October 1986 to September 1987.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT									
21...	1215	9827	9827	7.07	18.0	--	8.8	8.0	12
NOV									
24...	1100	9827	9827	7.05	10.0	3.0	10.3	--	--
DEC									
29...	1130	9827	9827	7.05	7.0	3.0	11.8	1.2	8
JAN									
27...	1215	9827	9827	6.81	0.0	8.0	--	1.1	4
MAR									
10...	1300	9827	9827	7.12	--	7.3	11.2	--	4
24...	1230	9827	9827	7.33	12.0	25	10.3	2.2	140
APR									
21...	1330	9827	9827	6.79	21.0	--	--	2.2	--
MAY									
12...	1215	9827	9827	7.56	23.0	3.5	--	2.1	84
JUN									
23...	1345	9827	9827	7.10	26.0	--	7.2	2.0	190
JUL									
07...	1245	9827	9827	7.20	28.0	4.0	7.5	2.0	160
AUG									
25...	1510	9827	9827	7.30	30.0	1.5	7.8	0.6	24
SEP									
22...	1550	9827	9827	7.55	22.0	2.5	8.8	2.6	10

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)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
21...	1215	4	5.0	3.5	47	--	0.180	--	<0.10
NOV									
24...	1100	22	4.0	--	43	2	0.120	0.020	0.20
DEC									
29...	1130	16	5.0	2.5	38	--	0.330	0.070	<0.10
JAN									
27...	1215	14	4.0	3.5	38	0	0.270	0.050	0.20
MAR									
10...	1300	18	5.0	3.0	50	4	0.210	0.020	0.10
24...	1230	<12	6.0	3.0	33	9	0.230	0.050	<0.10
APR									
21...	1330	16	6.0	3.0	31	6	0.080	0.010	<0.10
MAY									
12...	1215	16	--	3.5	41	3	0.140	0.060	0.50
JUN									
23...	1345	18	4.0	2.0	42	5	0.130	<0.010	--
JUL									
07...	1245	24	--	3.5	--	7	0.090	<0.010	0.20
AUG									
25...	1510	18	2.0	3.5	42	<1	0.040	0.020	0.70
SEP									
22...	1550	22	3.0	3.0	41	5	0.050	<0.010	0.80

07256040 SHORT MOUNTAIN CREEK WEST OF PARIS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
21...	1215	--	<0.010	<1	<1	<15	1	--	10
NOV									
24...	1100	0.010	<0.010	<1	--	<15	<1	--	20
DEC									
29...	1130	0.010	0.010	<1	4	<15	2	--	40
JAN									
27...	1215	0.020	0.010	1	<1	--	1	--	--
MAR									
10...	1300	0.050	0.010	<1	<1	25	--	--	30
24...	1230	0.070	0.040	<1	<1	<15	--	--	20
APR									
21...	1330	0.020	0.020	<1	<1	15	5	--	240
MAY									
12...	1215	0.020	0.010	<1	--	15	1	--	20
JUN									
23...	1345	0.110	0.020	<1	--	<15	<1	--	--
JUL									
07...	1245	0.050	0.020	<1	4	<15	3	0.60	10
AUG									
25...	1510	0.030	<0.010	<1	--	<15	--	--	10
SEP									
22...	1550	0.010	<0.010	--	<1	<15	8	--	--

ARKANSAS RIVER BASIN

07256046 SHORT MOUNTAIN CREEK NORTH OF PARIS, ARK.

LOCATION.--Lat 35°13'43", long 93°44'37", in NW ¼ NE ¼ sec.3, T.7N, R.26 W., Logan County, Hydrologic Unit 11110202, at bridge on county road .5 mi west of State Highway 109, 1 mi north of Paris, Ark.

PERIOD OF RECORD.--October 1986 to September 1987.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT									
21...	1245	9827	9827	7.20	18.0	--	6.7	2.8	32
NOV									
24...	1115	9827	9827	7.53	10.0	6.0	7.5	2.4	--
DEC									
29...	1140	9827	9827	7.40	--	5.0	9.9	1.8	8
JAN									
27...	1230	9827	9827	7.14	0.0	10	--	2.1	140
MAR									
10...	1315	9827	9827	7.26	--	8.0	11.5	--	--
24...	1300	9827	9827	7.33	13.0	25	10.3	2.6	210
APR									
21...	1345	9827	9827	7.04	21.0	--	--	2.1	--
MAY									
12...	1230	9827	9827	7.30	23.0	15	--	4.2	180
JUN									
23...	1400	9827	9827	7.34	26.0	--	4.5	2.7	870
JUL									
07...	1300	9827	9827	7.41	26.0	9.4	3.8	2.1	320
AUG									
25...	1540	9827	9827	7.27	27.0	15	4.5	--	570
SEP									
22...	1615	9827	9827	7.51	20.0	20	5.5	>4.5	470

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- PENDE (MG/L) (00530)	NITRO- GEN, NO2+N03 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									
21...	1245	34	19	9.0	143	--	1.60	--	<0.10
NOV									
24...	1115	54	36	--	162	9	0.210	0.030	0.10
DEC									
29...	1140	44	32	7.5	137	--	0.530	0.650	--
JAN									
27...	1230	26	14	6.5	87	3	0.290	0.060	0.50
MAR									
10...	1315	24	12	5.5	75	7	0.210	0.020	0.30
24...	1300	14	7.0	5.5	44	13	0.230	0.070	<0.10
APR									
21...	1345	18	11	6.0	60	9	0.300	0.010	0.50
MAY									
12...	1230	58	--	16	234	20	2.90	0.140	1.3
JUN									
23...	1400	54	31	11	176	9	0.510	0.060	1.2
JUL									
07...	1300	64	--	16	--	14	0.400	0.140	0.90
AUG									
25...	1540	52	28	23	225	25	1.20	0.240	2.7
SEP									
22...	1615	56	28	13	196	28	0.240	0.020	1.8

07256046 SHORT MOUNTAIN CREEK NORTH OF PARIS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
21...	1245	--	0.370	<1	<1	<15	3	--	10
NOV									
24...	1115	0.160	0.090	<1	--	16	1	--	30
DEC									
29...	1140	0.080	0.290	<1	1	<15	2	--	30
JAN									
27...	1230	0.160	0.120	<1	<1	--	1	--	--
MAR									
10...	1315	0.100	0.050	2	<1	27	--	--	30
24...	1300	0.090	0.050	1	<1	<15	--	--	10
APR									
21...	1345	0.240	0.200	1	<1	15	6	--	80
MAY									
12...	1230	0.670	0.460	<1	--	19	1	--	20
JUN									
23...	1400	0.940	0.750	<1	--	<15	1	--	--
JUL									
07...	1300	1.20	0.790	<1	3	37	4	<0.50	<10
AUG									
25...	1540	1.70	1.20	<1	--	<15	--	--	10
SEP									
22...	1615	0.900	0.600	--	<1	<15	9	--	--

ARKANSAS RIVER BASIN

07257000 BIG PINEY CREEK NEAR DOVER, ARK.

LOCATION.--Lat 35°32'58", long 93°09'30", in SW ¼ NE ¼ 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. Records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--37 years, 401 ft³/s, 19.87 in/yr, 290,500 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)
Feb. 16	0500	7,900	10.31	Mar. 17	2200	*8,870	*10.90

Minimum discharge, 1.1 ft³/s Aug. 10, gage height, 0.73 ft.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	52	104	39	139	2460	472	107	293	19	13	14
2	106	46	103	36	284	1450	431	98	245	23	9.8	11
3	118	43	98	40	357	1040	390	95	524	27	7.0	8.8
4	94	53	91	46	321	816	358	91	326	22	5.4	7.3
5	77	273	85	49	290	687	330	84	221	17	5.1	5.6
6	64	302	80	52	266	599	306	80	164	15	3.5	5.0
7	54	220	80	55	247	527	289	75	129	14	2.2	5.7
8	48	197	99	67	227	475	263	155	102	12	4.1	5.6
9	42	205	343	311	205	430	243	119	82	9.1	3.2	4.6
10	34	178	379	977	184	382	221	93	68	8.0	2.5	4.1
11	35	167	298	602	174	343	209	78	60	6.9	12	3.9
12	39	156	247	453	165	304	197	69	58	5.3	7.3	3.3
13	82	137	206	372	153	271	203	62	56	25	7.6	3.8
14	86	124	175	318	334	247	366	72	53	33	44	3.3
15	71	117	156	277	3080	234	393	121	46	24	16	27
16	61	112	142	243	5220	221	395	183	39	17	7.9	44
17	53	106	131	216	2110	2300	374	137	35	12	5.0	42
18	46	99	120	221	1320	3790	360	67	31	9.4	12	29
19	41	90	109	294	982	1850	332	77	27	8.7	57	26
20	35	82	99	289	785	1250	312	67	34	6.3	88	20
21	31	75	92	263	668	946	279	55	41	5.0	84	16
22	30	69	84	252	587	783	251	46	41	5.1	70	13
23	43	69	78	235	518	982	228	100	31	5.4	45	10
24	76	70	75	220	456	2580	209	1080	29	32	33	8.3
25	98	71	72	213	414	1490	190	778	23	31	23	6.9
26	86	82	68	204	389	1080	172	630	26	30	19	5.8
27	77	96	63	183	408	872	155	448	29	22	17	5.4
28	70	102	56	170	1460	734	139	362	24	19	18	6.9
29	62	104	46	160	---	663	124	478	18	17	16	15
30	55	103	43	150	---	586	116	470	18	15	21	17
31	53	---	41	139	---	522	---	357	---	13	18	---
TOTAL	1882	3600	3863	7146	21743	30914	8307	6734	2873	508.2	676.6	378.3
MEAN	60.7	120	125	231	777	997	277	217	95.8	16.4	21.8	12.6
MAX	118	302	379	977	5220	3790	472	1080	524	33	88	44
MIN	15	43	41	36	139	221	116	46	18	5.0	2.2	3.3
AC-FT	3730	7140	7660	14170	43130	61320	16480	13360	5700	1010	1340	750
CFSM	.22	.44	.45	.84	2.83	3.64	1.01	.79	.35	.06	.08	.0
IN.	.26	.49	.52	.97	2.95	4.20	1.13	.91	.39	.07	.09	.05

CAL YR 1986 TOTAL 90616.8 MEAN 248 MAX 6300 MIN .00 AC-FT 179700 CFSM .91 IN. 12.3
WTR YR 1987 TOTAL 88624.9 MEAN 243 MAX 5220 MIN 2.2 AC-FT 175800 CFSM .89 IN. 12.0

ARKANSAS RIVER BASIN

269

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

LOCATION.--Lat 35°30'48", long 93°10'24", in SE ¼ NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
07.	1055	9827	9827	7.54	21.0	3.5	--	1.6	28
28.	1040	9827	9827	7.55	18.0	3.0	10.4	1.5	--
DEC									
09.	1135	9827	9827	7.20	9.0	8.0	11.0	1.5	210
JAN									
13.	1050	9827	9827	7.24	7.0	20	12.6	1.8	--
FEB									
10.	1055	9827	9827	7.16	8.0	7.0	12.9	2.6	--
MAR									
10.	1030	9827	9827	7.32	9.0	5.3	11.5	1.8	8
APR									
07.	1030	9827	9827	7.43	11.0	5.9	10.9	0.6	130
MAY									
12.	1030	9827	9827	7.29	24.0	2.0	8.9	2.0	16
JUN									
09.	0941	9827	9827	7.30	25.0	5.0	9.0	1.3	32
JUL									
07.	0858	9827	9827	7.22	27.0	1.6	7.3	1.6	20
AUG									
11.	1013	9827	9827	7.04	28.0	4.5	6.3	--	24
SEP									
08.	1011	9827	9827	7.16	26.0	4.5	--	1.7	8

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)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
07.	1055	30	3.0	--	39	13	0.020	0.010	--
28.	1040	20	4.0	2.0	48	2	--	0.040	--
DEC									
09.	1135	18	3.0	25	--	5	--	0.020	0.050
JAN									
13.	1050	16	3.0	2.0	39	1	0.080	0.050	0.020
FEB									
10.	1055	18	5.0	3.0	42	<1	0.090	0.010	<0.010
MAR									
10.	1030	18	1.0	3.0	43	1	--	0.020	0.030
APR									
07.	1030	14	2.0	3.5	17	4	0.060	<0.010	0.010
MAY									
12.	1030	22	2.0	2.0	45	3	--	0.060	0.010
JUN									
09.	0941	18	2.0	2.0	47	1	--	0.050	0.050
JUL									
07.	0858	20	1.0	1.5	41	2	0.020	<0.010	0.020
AUG									
11.	1013	24	2.0	3.0	24	3	0.040	0.020	0.020
SEP									
08.	1011	16	--	1.5	--	4	--	0.050	0.010

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
07.	1055	0.010	<1	<1	<15	3	--	20
28.	1040	0.020	<1	<1	<15	1	--	10
DEC								
09.	1135	0.030	--	2	--	--	--	10
JAN								
13.	1050	0.010	--	<1	<15	1	--	20
FEB								
10.	1055	<0.010	<1	1	--	<1	--	20
MAR								
10.	1030	0.010	--	<1	<15	<1	--	--
APR								
07.	1030	<0.010	3	3	<15	<1	--	--
MAY								
12.	1030	0.010	<1	--	16	<1	--	20
JUN								
09.	0941	0.010	<1	--	17	<1	--	--
JUL								
07.	0858	0.010	--	1	<15	1	<0.50	10
AUG								
11.	1013	<0.010	1	2	<15	2	--	20
SEP								
08.	1011	<0.010	1	<1	<15	4	--	<10

ARKANSAS RIVER BASIN

271

07257690 ILLINOIS BAYOU NEAR DOVER, ARK.

LOCATION.--Lat 35°24'36", long 93°06'00", in SW ¼ SW ¼ 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.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
07.	1030	9827	9827	7.21	21.0	3.0	--	2.4	76
28.	1015	9827	9827	7.35	16.0	5.0	9.5	2.5	--
DEC									
09.	1110	9827	9827	6.98	10.0	50	10.6	1.8	--
JAN									
13.	1025	9827	9827	7.16	6.0	15	12.4	1.9	--
FEB									
10.	1030	9827	9827	7.19	6.0	6.5	12.3	3.2	<4
MAR									
10.	1005	9827	9827	7.34	9.0	6.0	11.0	1.0	4
APR									
07.	1005	9827	9827	7.44	11.0	6.3	10.6	1.8	4
MAY									
12.	1010	9827	9827	7.46	24.0	3.0	8.3	4.1	24
JUN									
09.	0923	9827	9827	7.32	25.0	5.5	8.0	3.0	16
JUL									
07.	0843	9827	9827	6.79	28.0	2.3	7.8	3.7	670
AUG									
11.	0955	9827	9827	7.05	29.0	2.5	6.5	--	56
SEP									
08.	0955	9827	9827	6.99	25.0	2.3	--	2.1	36
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+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
07.	1030	16	<1.0	--	29	5	0.020	0.010	--
28.	1015	12	4.0	3.0	50	<1	--	0.070	--
DEC									
09.	1110	14	3.0	3.0	--	42	--	0.060	0.120
JAN									
13.	1025	12	2.0	2.5	34	3	0.200	0.030	0.020
FEB									
10.	1030	20	4.0	2.5	36	1	0.160	0.010	<0.010
MAR									
10.	1005	<12	1.0	2.5	41	<1	--	0.030	0.030
APR									
07.	1005	<12	2.0	2.0	13	5	0.120	<0.010	0.010
MAY									
12.	1010	12	1.0	2.5	33	3	--	0.050	0.010
JUN									
09.	0923	12	1.0	1.5	43	<1	--	<0.010	0.050
JUL									
07.	0843	14	1.0	2.5	35	1	0.030	<0.010	0.030
AUG									
11.	0955	14	2.0	3.5	24	0	0.070	0.010	0.010
SEP									
08.	0955	16	--	4.0	37	2	--	0.020	0.010

ARKANSAS RIVER BASIN

07257690 ILLINOIS BAYOU NEAR DOVER, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
07.	1030	0.010	1	<1	<15	2	--	20
28.	1015	0.020	1	1	<15	<1	--	10
DEC								
09.	1110	0.050	--	1	--	--	--	10
JAN								
13.	1025	0.010	--	<1	<15	<1	--	20
FEB								
10.	1030	<0.010	<1	1	--	1	--	10
MAR								
10.	1005	0.010	--	<1	13	<1	--	--
APR								
07.	1005	<0.010	1	1	16	1	--	--
MAY								
12.	1010	<0.010	1	1	<15	<1	--	10
JUN								
09.	0923	0.020	1	--	18	<1	--	--
JUL								
07.	0843	0.010	--	1	<15	<1	0.50	<10
AUG								
11.	0955	<0.010	1	2	<15	1	--	20
SEP								
08.	0955	<0.010	1	<1	<15	<1	--	<10

ARKANSAS RIVER BASIN

273

07258000 ARKANSAS RIVER AT DARDANELLE, ARK.

LOCATION.--Lat 35°13'34", long 93°08'58", in SW ¼ 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.--50 years, 36,420 ft³/s, 26,390,000 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, 338,000 ft³/s Oct. 10, gage height, 37.98 ft; minimum daily, 50 ft³/s Sept. 26, 27.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66100	143000	58300	22700	43200	143000	140000	30400	126000	33900	33800	18700
2	138000	144000	62600	25800	51500	158000	121000	34900	126000	35300	11300	15600
3	167000	142000	60700	41800	59400	166000	98000	30600	121000	30700	13500	14400
4	205000	137000	57600	29400	72500	160000	85200	27100	122000	37600	3550	9530
5	212000	139000	55000	18600	66200	153000	79300	31200	122000	38500	1710	11500
6	215000	139000	51800	22400	63200	152000	78700	15300	119000	41600	2850	6230
7	259000	135000	54500	24400	63100	152000	80900	16900	117000	50300	4670	9620
8	309000	127000	49700	28200	61900	152000	80800	35500	123000	44400	2930	18700
9	327000	134000	57500	38700	58100	152000	67700	17200	120000	51000	3060	13300
10	335000	136000	68600	56300	60400	152000	51100	18600	118000	48000	3020	10000
11	329000	136000	69700	69300	61700	151000	43200	41400	106000	44000	6230	2680
12	321000	121000	70200	62200	59500	145000	49600	41400	90900	45300	6440	4820
13	312000	89500	67900	46900	50100	145000	48200	29200	79200	49700	4540	16800
14	308000	70700	73300	43100	51500	149000	71200	37100	71900	47700	7360	13600
15	307000	73200	73700	53000	59100	152000	82700	30800	72100	42000	9530	10400
16	305000	77300	64200	51800	87600	146000	64500	21000	68700	43900	7450	12300
17	291000	76200	43400	49700	95400	146000	57600	25200	59400	40700	4070	5970
18	263000	80800	45200	51000	95600	198000	44700	10900	42200	40700	13800	6490
19	243000	72000	48600	70900	93300	192000	49700	12000	35200	41000	11400	8440
20	211000	75200	42500	70900	100000	178000	49500	23300	43300	40400	7960	18200
21	185000	67600	43600	67500	98500	164000	49500	23300	48700	40000	20500	21300
22	158000	65600	42700	63100	89600	152000	49500	13000	49000	33500	13200	26400
23	151000	54200	37900	57600	77400	159000	41800	18800	40600	30700	12900	17800
24	151000	42100	33200	56200	74900	166000	42700	29800	44300	34900	14800	180
25	148000	43200	33000	62900	80800	174000	43300	28600	45800	33500	15400	7550
26	145000	43600	27800	52600	76800	168000	43800	34900	43900	33500	13600	50
27	143000	43600	33000	45900	77800	165000	43800	21800	40100	9390	18900	50
28	145000	43300	35700	41400	101000	158000	44300	33400	41900	17400	26700	8160
29	148000	45600	32000	41400	---	154000	37800	63600	43200	21400	2070	23400
30	146000	55800	30600	42200	---	155000	35200	99800	28200	21300	3300	26100
31	144000	---	24300	42200	---	147000	---	118000	---	22900	16000	---
TOTAL	6787100	2752500	1548800	1450100	2030100	4904000	1875300	1015000	2308600	1145190	316540	358270
MEAN	218900	91750	49960	46780	72500	158200	62510	32740	76950	36940	10210	11940
MAX	335000	144000	73700	70900	101000	198000	140000	118000	126000	51000	33800	26400
MIN	66100	42100	24300	18600	43200	143000	35200	10900	28200	9390	1710	50
AC-FT13460000	5460000	3072000	2876000	4027000	9727000	3720000	2013000	4579000	2271000	627900	710600	
CAL YR 1986	TOTAL 20834400	MEAN 57080	MAX 335000	MIN 50	AC-FT 41320000							
WTR YR 1987	TOTAL 26491500	MEAN 72580	MAX 335000	MIN 50	AC-FT 52550000							

ARKANSAS RIVER BASIN

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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										
07...	1220	9827	9827	7.40	22.0	220	--	5.0	>6000	86
28...	1200	9827	9827	7.86	18.0	70	11.1	2.3	--	98
DEC										
09...	1310	9827	9827	7.92	8.0	40	13.5	0.7	20	140
JAN										
13...	1225	9827	9827	7.98	11.0	25	12.9	1.1	--	160
FEB										
10...	1300	9827	9827	8.59	0.0	20	13.8	2.7	16	160
MAR										
10...	1120	9827	9827	8.06	10.0	40	13.2	3.2	12	160
APR										
07...	1120	9827	9827	8.14	12.0	40	13.2	0.3	<10	150
MAY										
12...	1120	9827	9827	8.39	25.0	15	8.2	2.7	12	180
JUN										
09...	1035	9827	9827	7.93	25.0	70	9.9	1.3	48	140
JUL										
07...	1010	9827	9827	8.04	28.0	15	9.1	2.6	14	180
AUG										
11...	1110	9827	9827	7.80	31.0	7.5	4.8	--	490	190
SEP										
08...	1110	9827	9827	8.32	27.0	7.8	--	1.4	52	200

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- 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)
OCT										
07...	1220	26	--	198	401	0.470	0.060	--	0.120	1
28...	1200	34	43	244	70	--	0.080	--	0.130	<1
DEC										
09...	1310	61	100	--	29	--	0.090	0.160	0.120	--
JAN										
13...	1225	56	130	438	18	1.00	0.060	0.140	0.090	--
FEB										
10...	1300	57	95	371	18	0.400	0.010	0.110	0.040	1
MAR										
10...	1120	60	89	378	39	--	0.040	0.160	0.080	--
APR										
07...	1120	67	86	334	31	0.790	0.140	0.130	0.080	2
MAY										
12...	1120	74	130	424	23	--	0.080	0.100	0.050	1
JUN										
09...	1035	57	82	381	58	--	0.100	0.230	0.110	<1
JUL										
07...	1010	77	100	434	18	0.210	0.060	0.110	0.080	--
AUG										
11...	1110	92	140	447	9	0.430	0.070	0.130	0.090	1
SEP										
08...	1110	--	150	550	13	--	0.110	0.120	0.070	2

ARKANSAS RIVER BASIN

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07258000 ARKANSAS RIVER AT DARDANELLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOVERABLE (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)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)
OCT										
07...	1220	12	<15	41	--	60	--	--	--	--
28...	1200	1	<15	2	--	30	<0.002	<0.01	<0.01	<0.01
DEC										
09...	1310	3	--	4	--	20	--	--	--	--
JAN										
13...	1225	2	<15	<1	--	20	--	--	--	--
FEB										
10...	1300	1	--	2	--	40	<0.002	<0.01	<0.01	<0.01
MAR										
10...	1120	<1	15	3	--	--	--	--	--	--
APR										
07...	1120	3	<15	2	--	--	<0.002	<0.01	<0.01	<0.01
MAY										
12...	1120	--	<15	<1	--	50	--	--	--	--
JUN										
09...	1035	--	<15	1	--	--	--	--	--	--
JUL										
07...	1010	1	<15	2	<0.50	10	<0.002	<0.01	<0.01	<0.01
AUG										
11...	1110	13	<15	7	--	20	--	--	--	--
SEP										
08...	1110	<1	<15	5	--	20	--	--	--	--
DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)
OCT										
28...	1200	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
FEB										
10...	1300	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
APR										
07...	1120	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JUL										
07...	1010	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
DATE	TIME	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	MALA- THION, TOTAL (UG/L) (39530)	CHLOR- PYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDE- HYDE TOTAL (UG/L) (34366)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
OCT										
28	1200	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
FEB										
10...	1300	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
APR										
07	1120	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JUL										
07...	1010	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
OCT										
28	1200	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
FEB										
10...	1300	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
APR										
07	1120	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JUL										
07...	1010	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

07258000 ARKANSAS RIVER AT DARDANELLE, ARK.--CONTINUED

WATER TEMPERATURE, (DEGREES) CENTIGRADE, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	26.0	25.5	25.5	17.0	17.0	17.0	9.5	9.5	9.5	6.5	6.5	6.5
2	25.5	25.0	25.0	17.0	17.0	17.0	9.5	9.0	9.0	6.5	6.0	6.5
3	25.0	24.5	24.5	17.0	17.0	17.0	9.0	8.5	8.5	6.0	6.0	6.0
4	24.0	23.0	23.0	17.0	16.5	17.0	8.5	8.5	8.5	6.0	6.0	6.0
5	22.0	21.5	21.5	16.5	16.0	16.5	8.5	8.5	8.5	6.0	6.0	6.0
6	21.5	21.0	21.0	16.0	16.0	16.0	8.5	8.0	8.5	6.0	5.5	5.5
7	21.0	21.0	21.0	16.0	15.5	16.0	8.0	7.5	8.0	6.0	5.5	5.5
8	20.5	20.5	20.5	15.5	15.5	15.5	7.5	7.5	7.5	6.0	6.0	6.0
9	20.5	20.5	20.5	15.5	15.0	15.0	7.5	7.5	7.5	6.0	6.0	6.0
10	20.5	20.5	20.5	15.0	14.0	14.5	7.5	7.5	7.5	6.0	5.5	6.0
11	20.5	20.5	20.5	14.0	14.0	14.0	7.5	7.0	7.5	5.5	5.0	5.5
12	20.5	20.5	20.5	14.0	12.5	13.0	7.0	7.0	7.0	5.0	4.5	5.0
13	19.5	19.0	19.0	12.5	11.0	12.0	7.0	7.0	7.0	4.5	4.5	4.5
14	18.0	17.5	17.5	11.0	9.5	10.0	7.0	6.5	7.0	5.0	4.5	4.5
15	17.0	17.0	17.0	9.5	8.5	9.0	6.5	6.5	6.5	5.0	5.0	5.0
16	17.0	17.0	17.0	8.5	8.0	8.5	6.5	6.5	6.5	5.5	5.0	5.5
17	17.0	17.0	17.0	8.0	8.0	8.0	6.5	6.5	6.5	5.5	5.5	5.5
18	17.5	17.0	17.5	8.0	8.0	8.0	6.5	6.5	6.5	5.5	5.5	5.5
19	18.0	17.5	17.0	8.0	8.0	8.0	7.0	6.5	6.5	5.5	5.5	5.5
20	18.0	18.0	18.0	8.0	8.0	8.0	7.0	7.0	7.0	---	---	---
21	18.0	18.0	18.0	8.0	8.0	8.0	7.0	7.0	7.0	---	---	---
22	18.0	18.0	18.0	8.5	8.0	8.0	7.0	7.0	7.0	---	---	---
23	18.0	18.0	18.0	9.0	8.5	8.5	7.0	7.0	7.0	---	---	---
24	18.0	17.5	17.0	9.0	9.0	9.0	7.0	7.0	7.0	---	---	---
25	17.5	17.5	17.5	9.0	9.0	9.0	7.0	7.0	7.0	---	---	---
26	17.5	17.0	17.5	9.0	9.0	9.0	7.0	7.0	7.0	---	---	---
27	17.0	17.0	17.0	9.0	9.0	9.0	7.0	7.0	7.0	---	---	---
28	17.0	17.0	17.0	9.0	9.0	9.0	7.0	7.0	7.0	---	---	---
29	17.0	17.0	17.0	9.0	9.0	9.0	7.0	7.0	7.0	5.5	4.5	5.0
30	17.0	17.0	17.0	9.0	9.0	9.0	7.0	6.5	7.0	6.0	5.5	6.0
31	17.0	17.0	17.0	---	---	---	6.5	6.5	6.5	6.0	6.0	6.0
MONTH	26.0	17.0	19.2	17.0	8.0	11.6	9.5	6.5	7.34	---	---	---
FEBRUARY			MARCH			APRIL			MAY			
1	6.5	6.0	6.0	---	---	---	10.5	10.5	10.5	22.0	22.0	22.0
2	6.5	6.5	6.5	---	---	---	10.5	10.5	10.5	22.0	22.0	22.0
3	7.0	6.5	6.5	---	---	---	10.5	10.0	10.0	22.0	22.0	22.0
4	7.5	7.0	7.0	---	---	---	11.0	10.0	10.5	22.5	22.0	22.0
5	7.5	7.5	7.5	---	---	---	11.0	10.5	10.5	23.0	22.5	22.5
6	8.0	7.5	8.0	---	---	---	11.5	11.0	11.5	23.0	23.0	23.0
7	8.0	8.0	8.0	---	---	---	12.0	11.5	11.5	23.5	23.0	23.0
8	---	---	---	---	---	---	12.5	11.0	12.0	24.0	23.5	23.5
9	---	---	---	10.5	10.5	10.5	12.5	12.5	12.5	24.0	23.5	23.5
10	---	---	---	10.5	10.5	10.5	14.0	13.0	13.5	23.5	23.5	23.5
11	---	---	---	10.5	10.0	10.0	14.0	14.0	14.0	24.0	23.5	23.5
12	---	---	---	10.0	9.5	10.0	14.5	14.0	14.0	24.5	24.0	24.0
13	---	---	---	9.5	9.5	9.5	15.0	14.5	14.5	24.5	24.5	24.5
14	---	---	---	9.5	9.5	9.5	15.0	15.0	15.0	25.0	24.5	24.5
15	---	---	---	---	---	---	15.0	15.0	15.0	25.0	24.5	24.5
16	---	---	---	---	---	---	15.5	15.0	15.0	25.0	25.0	25.0
17	---	---	---	---	---	---	16.0	15.5	15.5	25.0	25.0	25.0
18	---	---	---	---	---	---	16.0	16.0	16.0	25.5	25.0	25.0
19	---	---	---	---	---	---	17.0	16.0	16.5	25.0	25.0	25.0
20	---	---	---	12.5	12.5	12.5	18.0	17.0	17.5	25.0	25.0	25.0
21	---	---	---	13.0	12.5	13.0	20.0	18.0	19.0	25.5	25.0	25.0
22	---	---	---	14.0	13.0	13.5	20.0	19.5	19.5	26.5	25.5	25.5
23	---	---	---	14.0	14.0	14.0	20.0	19.5	19.5	26.5	26.5	26.5
24	---	---	---	14.0	13.5	14.0	20.0	19.5	19.5	26.5	26.5	26.5
25	---	---	---	13.5	13.0	13.0	20.0	19.5	19.5	26.0	26.0	26.0
26	---	---	---	13.0	12.5	13.0	20.0	20.0	20.0	26.0	26.0	26.0
27	---	---	---	12.5	12.0	12.0	21.0	20.0	20.5	26.0	26.0	26.0
28	---	---	---	12.5	12.0	12.0	21.5	21.0	21.0	26.0	25.5	26.0
29	---	---	---	12.5	11.5	12.0	21.5	21.0	21.5	26.0	26.0	26.0
30	---	---	---	11.5	11.0	11.0	22.0	21.5	22.0	26.0	25.5	25.5
31	---	---	---	11.0	10.5	11.0	---	---	---	25.5	25.0	25.0
MONTH	---	---	---	---	---	---	22.0	10.0	15.6	26.5	22.0	24.4

07258000 ARKANSAS RIVER AT DARDANELLE, ARK.--CONTINUED

WATER TEMPERATURE, (DEGREES) CENTIGRADE, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.0	24.0	24.5	28.5	28.5	28.5	31.0	30.5	30.5	27.5	27.0	27.5
2	24.5	24.0	24.0	28.5	28.5	28.5	31.5	31.0	31.0	27.5	27.0	27.0
3	24.5	24.0	24.5	28.5	28.0	28.0	32.0	31.5	31.5	27.5	27.0	27.0
4	24.5	24.0	24.0	28.5	28.0	28.0	32.5	32.0	32.0	27.0	27.0	27.0
5	25.0	24.0	24.5	28.5	28.0	28.0	32.5	32.0	32.0	27.0	26.5	26.5
6	25.0	24.5	25.0	29.0	28.5	28.5	32.0	32.0	32.0	27.0	26.5	26.5
7	25.0	24.5	24.5	29.0	29.0	29.0	32.0	31.0	31.5	27.0	27.0	27.0
8	24.5	24.0	24.5	29.0	29.0	29.0	32.0	31.0	31.5	27.0	27.0	27.0
9	25.0	24.5	25.0	29.0	28.5	29.0	32.0	31.0	31.5	27.0	27.0	27.0
10	25.0	25.0	25.0	29.0	29.0	29.0	32.0	31.5	31.5	27.0	27.0	27.0
11	25.0	25.0	25.0	29.0	29.0	29.0	31.5	31.0	31.0	27.0	27.0	27.0
12	25.0	25.0	25.0	29.5	29.0	29.0	31.5	31.0	31.0	27.0	26.5	27.0
13	26.0	25.0	25.5	29.5	29.5	29.5	31.0	29.5	30.5	26.5	26.5	26.5
14	27.0	26.0	26.0	29.0	29.0	29.0	31.0	30.5	31.0	26.5	26.5	26.5
15	27.0	27.0	27.0	29.0	28.5	29.0	31.0	30.5	30.5	26.5	26.0	26.0
16	27.0	27.0	27.0	28.5	28.5	28.5	31.0	30.5	30.5	26.0	26.0	26.0
17	27.0	26.5	27.0	28.5	28.5	28.5	30.5	30.0	30.5	26.0	26.0	26.0
18	27.0	27.0	27.0	28.5	28.5	28.5	30.5	30.0	30.0	26.0	26.0	26.0
19	28.0	27.0	27.5	28.5	28.5	28.5	31.0	29.5	30.5	26.0	25.5	26.0
20	28.0	28.0	28.0	29.0	28.5	29.0	30.0	29.5	30.0	26.0	25.5	26.0
21	28.0	28.0	28.0	29.0	29.0	29.0	29.5	29.5	29.5	25.5	25.0	25.5
22	28.0	28.0	28.0	29.0	29.0	29.0	30.0	29.5	30.0	25.0	24.5	25.0
23	28.5	28.0	28.0	29.0	29.0	29.0	30.0	30.0	30.0	24.5	24.0	24.0
24	28.5	28.5	28.5	29.0	29.0	29.0	30.0	29.5	30.0	26.0	24.0	25.0
25	29.0	28.5	28.5	29.5	29.0	29.0	29.5	29.0	29.0	24.5	23.5	24.0
26	29.0	29.0	29.0	30.0	29.5	29.5	29.0	29.0	29.0	23.5	23.0	23.5
27	29.0	28.5	29.0	30.0	30.0	30.0	29.0	29.0	29.0	24.5	23.0	23.5
28	29.0	28.5	28.5	30.0	30.0	30.0	29.0	28.5	28.5	24.0	23.0	23.5
29	29.0	28.5	29.0	30.5	30.0	30.0	29.0	28.0	28.5	23.0	23.0	23.0
30	29.0	28.5	29.0	30.5	30.0	30.5	29.0	28.0	28.0	23.0	23.0	23.0
31	---	---	---	30.5	30.5	30.5	28.0	27.5	27.5	---	---	---
MONTH	29.0	24.0	26.5	30.5	28.0	29.0	32.5	27.5	30.3	27.5	23.0	25.7

ARKANSAS RIVER BASIN

07258015 WHIG CREEK NEAR DARDANELLE, ARK.

LOCATION.--Lat 35°13'43", long 93°08'37", in SE ¼ Ne ¼ sec.29, T.7 N., R.20 W., Pope County, Hydrologic Unit 11110203, at bridge on State Highway 7, and 0.7 mi northeast of Dardanelle, Ark.

PERIOD OF RECORD.--October 1986 to September 1987.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
07...	1210	9827	9827	6.98	20.0	35	--	3.0	350
28...	1145	9827	9827	7.02	17.0	9.0	7.2	2.2	--
DEC									
09...	1300	9827	9827	6.88	10.0	70	9.2	4.4	1900
JAN									
13...	1200	9827	9827	7.12	7.0	20	10.9	0.6	--
FEB									
10...	1230	9827	9827	7.38	9.0	25	10.8	2.3	16
MAR									
10...	1105	9827	9827	7.16	10.0	15	9.2	1.7	72
APR									
07...	1100	9827	9827	7.08	12.0	15	8.9	2.4	290
MAY									
12...	1110	9827	9827	7.26	22.0	20	5.5	3.3	480
JUN									
09...	1024	9827	9827	--	24.0	--	--	--	680
JUL									
07...	1000	9827	9827	7.15	26.0	15	4.3	2.3	220
AUG									
11...	1058	9827	9827	7.15	27.0	20	5.4	--	140
SEP									
08...	1053	9827	9827	7.38	25.0	20	--	1.8	870
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 SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+N03 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									
07...	1210	30	50	--	272	26	6.10	0.110	1.8
28...	1145	82	80	48	308	17	4.10	0.110	2.1
DEC									
09...	1300	32	23	14	--	58	--	0.140	0.70
JAN									
13...	1200	54	46	26	179	12	4.60	0.140	1.1
FEB									
10...	1230	58	55	41	--	21	7.00	0.110	0.90
MAR									
10...	1105	64	54	27	223	14	--	0.110	1.1
APR									
07...	1100	64	59	35	223	15	5.60	0.140	0.80
MAY									
12...	1110	58	82	110	439	24	--	0.200	2.1
JUL									
07...	1000	62	69	65	353	15	7.20	0.100	2.5
AUG									
11...	1058	66	85	11	455	7	18.0	0.120	1.4
SEP									
08...	1053	56	--	110	457	34	--	0.110	1.5

ARKANSAS RIVER BASIN

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07258015 WHIG CREEK NEAR DARDANELLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBAER 1986 TO SEPTEMBER 1987

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									
07...	1210	--	2.80	1	3	<15	1	--	30
28...	1145	2.40	2.10	<1	1	16	2	--	30
DEC									
09...	1300	0.640	0.430	--	6	--	5	--	40
JAN									
13...	1200	1.50	1.20	--	6	19	2	--	50
FEB									
10...	1230	2.80	2.70	1	5	--	1	--	40
MAR									
10...	1105	2.20	1.80	--	<1	<15	2	--	--
APR									
07...	1100	2.50	2.10	<1	<1	<15	1	--	--
MAY									
12...	1110	3.70	3.70	<1	7	17	1	--	40
JUL									
07...	1000	3.40	2.90	--	3	<15	2	0.50	10
AUG									
11...	1058	5.40	5.00	1	2	22	5	--	90
SEP									
08...	1053	6.70	6.10	<1	2	<15	4	--	60

ARKANSAS RIVER BASIN

07258500 PETIT JEAN RIVER NEAR BOONEVILLE, ARK.

LOCATION.--Lat 35°06'25", long 93°55'25", in NW ¼ NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	pH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (FTU) (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									
21...	1130	9827	9827	7.06	16.0	--	7.1	2.2	120
NOV									
24...	1030	9827	9827	7.10	9.0	25	8.7	2.1	--
DEC									
29...	1045	9827	9827	7.30	6.0	15	11.5	1.7	40
JAN									
27...	1130	9827	9827	7.41	4.0	20	--	1.0	16
MAR									
10...	1200	9827	9827	7.44	--	15	10.3	--	60
24...	1145	9827	9827	7.35	13.0	40	9.4	3.4	1200
APR									
21...	1300	9827	9827	7.58	21.0	--	--	1.7	--
MAY									
12...	1145	9827	9827	7.40	22.0	25	--	3.2	200
JUN									
23...	1300	9827	9827	7.33	26.0	--	5.9	>4.9	2700
JUL									
07...	1200	9827	9827	7.28	28.0	10	6.9	3.6	56
AUG									
25...	1415	9827	9827	7.22	29.0	15	5.7	3.9	64
SEP									
22...	1500	9827	9827	7.45	22.0	15	6.1	2.2	270

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, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
21...	1130	22	26	6.5	86	--	0.180	--	<0.10
NOV									
24...	1030	22	10	--	75	8	0.070	0.040	0.50
DEC									
29...	1045	24	12	5.5	66	--	0.100	0.040	<0.10
JAN									
27...	1130	20	11	6.5	61	3	0.210	0.040	0.20
MAR									
10...	1200	22	13	5.0	72	9	0.680	0.070	0.30
24...	1145	16	--	--	67	32	0.190	0.050	0.20
APR									
21...	1300	24	13	5.0	57	7	0.030	<0.010	<0.10
MAY									
12...	1145	22	--	5.5	77	17	0.270	0.120	0.90
JUN									
23...	1300	22	6.0	4.0	72	111	0.280	<0.010	1.4
JUL									
07...	1200	28	--	4.5	--	13	0.030	<0.010	0.60
AUG									
25...	1415	46	6.0	7.0	79	13	<0.010	0.020	0.80
SEP									
22...	1500	36	6.0	6.0	81	19	0.030	0.010	0.60

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
21...	1130	--	0.010	<1	<1	<15	7	--	20
NOV									
24...	1030	0.050	0.020	<1	--	16	2	--	30
DEC									
29...	1045	0.030	0.010	<1	2	<15	1	--	20
JAN									
27...	1130	0.030	0.020	1	<1	--	1	--	--
MAR									
10...	1200	0.060	0.010	<1	<1	<15	--	--	30
24...	1145	0.100	0.050	<1	<1	<15	--	--	10
APR									
21...	1300	0.030	0.010	<1	<1	<15	1	--	30
MAY									
12...	1145	0.100	0.040	<1	--	19	<1	--	20
JUN									
23...	1300	0.250	0.030	<1	--	<15	12	--	--
JUL									
07...	1200	0.070	0.010	<1	1	34	3	<0.50	10
AUG									
25...	1415	0.080	<0.010	<1	--	<15	--	--	10
SEP									
22...	1500	0.060	<0.010	--	<1	<15	12	--	--

07259000 BLUE MOUNTAIN LAKE NEAR WAVELAND, ARK.

LOCATION.--Lat 35°06'06", long 93°39'02", in NW ¼ NW ¼ 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 NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)		
OCT											
14...	1120	80513	80020	0.0	65	7.40	18.0	8.9	0.36		
14...	1122	80513	80020	10.0	65	7.40	17.5	8.5	--		
14...	1124	80513	80020	20.0	64	7.40	17.5	8.3	--		
14...	1126	80513	80020	30.0	64	7.30	17.5	8.3	--		
14...	1128	80513	80020	40.0	64	7.40	17.5	8.3	--		
NOV											
03...	1245	80513	80020	0.0	66	7.50	16.5	9.4	0.79		
03...	1246	80513	80020	10.0	65	7.51	16.5	9.1	--		
03...	1248	80513	80020	20.0	64	7.48	16.5	9.0	--		
03...	1250	80513	80020	30.0	65	7.48	16.5	8.9	--		
03...	1252	80513	80020	36.0	65	7.49	16.5	8.8	--		
DEC											
08...	1130	80513	80020	0.0	65	6.96	8.0	12.6	0.85		
08...	1132	80513	80020	10.0	66	6.96	8.0	12.0	--		
08...	1134	80513	80020	20.0	66	6.96	8.0	11.6	--		
08...	1136	80513	80020	30.0	66	6.96	8.0	11.4	--		
08...	1138	80513	80020	38.0	66	6.96	7.5	11.4	--		
JAN											
15...	1215	80513	80020	0.0	69	7.14	5.5	13.5	0.55	35	--
15...	1216	80513	80020	3.00	69	7.12	5.5	13.3	--	--	--
15...	1220	80513	80020	8.00	68	7.14	5.0	13.1	--	--	48
15...	1221	80513	80020	10.0	69	7.12	5.0	13.0	--	--	--
15...	1222	80513	80020	20.0	69	7.11	4.5	12.8	--	--	--
15...	1223	80513	80020	30.0	68	7.10	4.5	12.7	--	--	--
15...	1225	80513	80020	31.0	68	7.09	4.5	12.6	--	--	48
15...	1226	80513	80020	39.0	69	7.08	4.5	12.4	--	--	--
JAN											
DATE	TIME	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LITY 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)	
15...	1216	--	--	--	--	<0.100	0.050	<0.010	4.30	0.300	
15...	1220	11	2.2	18	17	<0.100	0.040	<0.010	--	--	
15...	1225	13	1.8	18	17	<0.100	0.050	<0.010	--	--	

ARKANSAS RIVER BASIN

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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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
FEB									
10...	1145	80513	80020	0.0	71	6.80	8.0	12.7	0.61
10...	1146	80513	80020	10.0	71	6.83	7.5	12.0	--
10...	1147	80513	80020	20.0	70	6.85	7.5	11.7	--
10...	1148	80513	80020	30.0	70	6.87	7.5	11.4	--
10...	1149	80513	80020	40.0	69	6.91	7.5	11.2	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
MAR									
02...	1135	80513	80020	0.0	64	6.84	8.5	11.6	0.36
02...	1136	80513	80020	10.0	63	6.87	8.5	11.3	--
02...	1137	80513	80020	20.0	64	6.88	8.5	11.2	--
02...	1138	80513	80020	30.0	63	6.90	8.5	11.1	--
02...	1139	80513	80020	40.0	64	6.90	8.5	11.0	--
02...	1140	80513	80020	44.0	64	6.90	8.5	10.9	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
APR								
30...	0745	80513	80020	0.0	56	6.97	23.0	9.9
30...	0746	80513	80020	3.00	56	7.06	23.0	9.6
30...	0748	80513	80020	7.00	55	7.04	22.0	8.9
30...	0749	80513	80020	8.00	56	6.99	21.5	8.7
30...	0750	80513	80020	10.0	56	6.92	21.0	8.0
30...	0752	80513	80020	15.0	56	6.76	20.0	7.4
30...	0754	80513	80020	18.0	55	6.72	19.0	7.3
30...	0755	80513	80020	20.0	55	6.70	19.0	7.4
30...	0757	80513	80020	30.0	56	6.65	18.5	6.9
30...	0758	80513	80020	35.0	54	6.64	18.5	6.8
30...	0759	80513	80020	40.0	61	6.58	17.5	5.1
30...	0800	80513	80020	43.0	62	6.54	17.0	4.1

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
------	------	--	---	---	---	---	---	---

APR								
30...	0745	0.43	0	--	--	--	--	--
30...	0749	--	--	85	22	1.5	15	2.9
30...	0758	--	--	80	28	1.4	15	2.9

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKAL- INITY WH WAT TOTAL (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)
------	------	---	---	---	--	--	--	--

APR								
30...	0746	--	--	<0.100	0.040	0.020	4.70	0.200
30...	0749	2.0	14	<0.100	0.050	<0.010	--	--
30...	0758	2.0	--	<0.100	0.060	0.020	--	--

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
------	------	--	---	---	--	---	---	--	--

MAY

15...	1115	80513	80020	0.0	54	6.96	26.0	8.6	0.46
15...	1117	80513	80020	4.00	56	7.00	25.5	8.2	--
15...	1120	80513	80020	10.0	55	7.05	24.0	7.5	--
15...	1125	80513	80020	12.0	55	6.89	23.0	5.8	--
15...	1130	80513	80020	13.0	55	6.82	22.5	5.5	--
15...	1132	80513	80020	15.0	56	6.67	21.5	4.2	--
15...	1135	80513	80020	20.0	57	6.55	21.0	3.2	--
15...	1140	80513	80020	30.0	58	6.45	20.0	1.6	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
------	------	--	---	---	--	---	---	--

JUN

01...	1135	80513	80020	0.0	57	6.29	24.0	5.2
01...	1136	80513	80020	3.00	57	6.29	24.0	4.6
01...	1138	80513	80020	10.0	57	6.24	23.0	3.8
01...	1140	80513	80020	19.0	53	6.15	22.0	3.4
01...	1141	80513	80020	20.0	53	6.14	22.0	3.4
01...	1143	80513	80020	30.0	51	6.12	21.5	3.3
01...	1145	80513	80020	40.0	73	6.13	21.0	0.2
01...	1147	80513	80020	47.0	84	6.24	20.0	0.1

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	NITRO- GEN, NO2+N03 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

01...	1135	0.55	--	--	--	--	--
01...	1136	--	<0.100	0.050	0.020	6.80	0.500

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)
------	------	--	---	---	--	---	---

JUL

06.	1200	80513	80020	0.0	61	7.54	29.0
06.	1201	80513	80020	3.00	61	7.60	29.0
06.	1202	80513	80020	7.00	61	6.88	28.0
06.	1204	80513	80020	10.0	61	6.70	28.0
06.	1206	80513	80020	11.0	65	6.46	27.0
06.	1208	80513	80020	17.0	72	6.38	26.0
06.	1210	80513	80020	20.0	77	6.41	26.0
06.	1212	80513	80020	26.0	80	6.48	25.0
06.	1214	80513	80020	30.0	82	6.50	24.5
06.	1216	80513	80020	38.0	90	6.63	23.5
06.	1218	80513	80020	40.0	101	6.68	23.0

ARKANSAS RIVER BASIN

285

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

				OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	NITRO- GEN, NO2+N03 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS, TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L) AS P) (70507)			
		DATE	TIME								
JUL											
		06.	1200	8.1	0.76	--	--	--			
		06.	1201	8.1	--	<0.100	0.050	0.020			
		06.	1202	6.4	--	--	--	--			
		06.	1204	5.5	--	--	--	--			
		06.	1206	3.1	--	--	--	--			
		06.	1208	0.4	--	--	--	--			
		06.	1210	0.1	--	--	--	--			
		06.	1212	0.1	--	--	--	--			
		06.	1214	0.1	--	--	--	--			
		06.	1216	0.1	--	--	--	--			
		06.	1218	0.1	--	--	--	--			
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
AUG											
06...	1125	80513	80020	0.0	69	6.50	30.0	3.1	0.46	2	--
06...	1126	80513	80020	3.00	69	6.40	29.5	2.7	--	--	--
06...	1128	80513	80020	8.00	74	6.54	29.0	0.6	--	--	47
06...	1130	80513	80020	10.0	79	6.47	28.5	0.1	--	--	--
06...	1132	80513	80020	11.0	81	6.46	27.5	0.1	--	--	--
06...	1134	80513	80020	20.0	83	6.45	27.5	0.1	--	--	--
06...	1136	80513	80020	28.0	78	6.43	26.5	0.1	--	--	--
06...	1137	80513	80020	30.0	79	6.45	26.5	0.1	--	--	49
06...	1139	80513	80020	35.0	95	6.67	25.5	0.1	--	--	--
06...	1141	80513	80020	38.0	99	6.69	25.0	0.1	--	--	--
DATE	TIME	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L) AS (00900)	CALCIUM DIS- SOLVED (MG/L) AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG) (00925)	ALKA- LITY WH WAT TOTAL MG/L AS CAC03 (00410)	NITRO- GEN, NO2+N03 TOTAL (MG/L) AS N) (00630)	PHOS- PHORUS, TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L) AS P) (70507)	
AUG											
06...	1126	--	--	--	--	--	--	<0.100	0.060	<0.010	
06...	1128	16	1.1	21	3.7	2.9	21	<0.100	0.060	<0.010	
06...	1137	32	1.4	22	4.0	3.0	24	--	--	--	
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	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											
02...	1035	80513	80020	0.0	67	7.02	26.0	7.6	40.0	--	--
02...	1036	80513	80020	3.00	67	7.10	26.0	7.4	--	12.0	0.800
02...	1037	80513	80020	10.0	67	6.98	26.0	5.5	--	--	--
02...	1038	80513	80020	20.0	68	6.88	25.5	5.4	--	--	--
02...	1039	80513	80020	30.0	67	6.81	25.5	5.2	--	--	--
02...	1040	80513	80020	36.0	69	6.78	25.0	4.6	--	--	--

ARKANSAS RIVER BASIN

07259500 PETIT JEAN RIVER NEAR WAVELAND, ARK.

LOCATION.--Lat 35°06'06", long 93°39'02", in NW ¼ NW ¼ 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

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)
OCT										
14...	1100	80513	80020	64	7.40	17.5	9.7	--	--	--
NOV										
03...	1215	80513	80020	65	7.36	16.5	9.5	--	--	--
DEC										
08...	1115	80513	80020	66	6.82	8.0	12.8	--	--	--
JAN										
15...	1300	80513	80020	69	7.13	5.0	14.3	50	45	12
FEB										
10...	1200	80513	80020	70	6.89	7.5	11.9	--	--	--
MAR										
02...	1200	80513	80020	61	7.00	8.5	11.8	--	--	--
APR										
30...	0830	80513	80020	56	6.78	20.0	9.5	3	100	24
MAY										
15...	1100	80513	80020	56	6.78	22.5	8.0	--	--	--
JUN										
01...	1210	80513	80020	55	6.41	22.5	7.5	--	--	--
JUL										
06...	1145	80513	80020	62	6.79	28.0	7.0	--	--	--
AUG										
06...	1200	80513	80020	76	6.77	28.5	6.3	35	55	26
SEP										
02...	1100	80513	80020	67	7.10	26.0	8.0	--	--	--

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS AS (MG/L CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN									
15...	1300	2.0	20	--	--	17	<0.100	0.040	0.010
APR									
30...	0830	2.5	16	3.0	2.0	14	<0.100	0.060	--
AUG									
06...	1200	1.6	25	5.0	3.1	23	<0.100	0.080	0.010

ARKANSAS RIVER BASIN

287

07260020 DUTCH CREEK AT SHARK, ARK.

LOCATION.--Lat 34°59'58", long 93°30'52", in SE ¼ NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
07.	1325	9827	9827	6.99	20.0	35	--	1.4	210
28.	1300	9827	9827	7.13	16.0	6.5	7.5	1.2	--
DEC									
09.	1410	9827	9827	6.75	10.0	60	9.8	2.2	1200
JAN									
13.	1320	9827	9827	7.09	7.0	25	11.9	0.7	--
FEB									
10.	1400	9827	9827	7.20	9.0	15	11.6	1.3	32
MAR									
10.	1245	9827	9827	7.23	10.0	10	10.0	0.7	76
APR									
07.	1220	9827	9827	7.50	13.0	15	10.0	1.3	72
MAY									
12.	1245	9827	9827	7.49	23.0	30	5.6	1.8	650
JUN									
09.	1205	9827	9827	7.17	24.0	20	6.8	1.8	120
JUL									
07.	1110	9827	9827	7.15	27.0	8.2	3.4	2.0	310
AUG									
11.	1211	9827	9827	7.12	27.0	20	0.9	--	510
SEP									
08.	1210	9827	9827	7.25	25.0	10	--	3.1	64
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									
07.	1325	16	5.0	--	72	18	0.300	0.090	--
28.	1300	20	--	6.5	75	5	--	<0.010	--
DEC									
09.	1410	14	6.0	5.0	--	65	--	0.050	0.190
JAN									
13.	1320	14	6.0	4.5	51	5	0.550	0.040	0.070
FEB									
10.	1400	16	4.0	6.5	57	3	0.630	0.050	0.070
MAR									
10.	1245	14	4.0	5.0	60	5	--	0.040	0.080
APR									
07.	1220	16	6.0	4.5	36	5	0.590	0.040	0.050
MAY									
12.	1245	24	5.0	4.5	75	25	--	0.130	0.120
JUN									
09.	1205	16	5.0	4.0	71	11	--	0.010	0.110
JUL									
07.	1110	26	3.0	5.5	74	10	0.090	0.030	0.120
AUG									
11.	1211	54	2.0	7.0	78	17	0.070	0.170	0.140
SEP									
08.	1210	52	--	6.5	105	13	--	0.130	0.090

ARKANSAS RIVER BASIN

07260020 DUTCH CREEK AT SHARK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
07.	1325	0.070	2	1	<15	2	--	20
28.	1300	0.080	7	<1	<15	<1	--	10
DEC								
09.	1410	0.090	--	2	--	3	--	30
JAN								
13.	1320	0.040	--	1	<15	<1	--	30
FEB								
10.	1400	0.030	2	2	--	<1	--	20
MAR								
10.	1245	0.030	--	<1	23	<1	--	--
APR								
07.	1220	0.020	1	<1	<15	1	--	--
MAY								
12.	1245	0.070	2	1	9	1	--	10
JUN								
09.	1205	0.060	<1	--	<15	1	--	--
JUL								
07.	1110	0.040	--	1	<15	2	0.50	<10
AUG								
11.	1211	0.040	<1	2	<15	2	--	10
SEP								
08.	1210	0.030	1	<1	<15	<1	--	<10

07260500 PETIT JEAN RIVER AT DANVILLE, ARK.

LOCATION.--Lat 35°03'33", long 93°23'44", in NW ¼ SE ¼ 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.--71 years, 818 ft³/s, 592,600 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, 7,400 ft³/s Mar. 18, gage height, 22.27 ft; minimum, 2.7 ft³/s Aug. 8.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	59	271	63	218	3540	2490	59	188	27	23	34
2	68	65	264	58	261	2130	2540	54	1320	63	24	32
3	55	69	256	73	242	1950	2540	38	1320	113	18	33
4	105	125	163	159	979	2390	2490	25	506	133	17	38
5	213	325	96	228	600	2370	2130	20	1170	96	15	40
6	161	228	88	214	421	2380	1640	141	1510	78	7.5	42
7	126	164	105	533	305	2370	994	623	1490	71	4.0	42
8	95	132	1030	601	226	2310	621	759	1450	60	2.7	46
9	69	116	2350	1000	168	2220	459	633	1570	48	5.6	47
10	62	114	1310	1610	153	2070	339	532	1660	28	15	52
11	56	392	1230	914	149	1510	228	362	1390	26	11	50
12	84	366	1420	654	147	1030	204	233	940	28	7.3	35
13	92	334	1300	1370	177	548	213	157	497	39	5.3	32
14	80	330	840	1490	230	395	229	84	305	38	11	35
15	74	303	574	1440	1100	211	232	45	193	50	13	56
16	68	284	465	1110	2910	134	357	42	171	58	13	63
17	64	270	425	608	1900	1310	377	44	135	52	11	49
18	60	257	319	664	1100	5870	321	49	104	57	12	52
19	56	373	290	517	1690	4590	201	125	63	57	13	82
20	53	394	202	396	1920	2170	156	155	51	56	14	80
21	50	386	164	1140	1860	2310	139	107	52	55	18	76
22	49	257	157	1320	1750	2610	132	92	102	53	18	75
23	56	153	151	1010	1690	2720	126	114	142	49	51	74
24	68	99	149	593	1880	2300	122	568	176	65	80	72
25	72	84	143	376	1930	2180	118	559	164	64	30	73
26	63	130	137	293	1710	2580	114	404	160	47	20	75
7	58	141	131	269	1670	2750	113	1400	127	27	21	75
8	56	129	128	357	2700	2720	110	1460	91	19	22	79
9	57	186	124	360	---	2610	105	1370	65	19	27	199
10	57	272	122	272	---	2210	82	548	39	18	34	69
11	59	---	105	249	---	2220	---	230	---	16	34	---
TOTAL	2335	6537	14509	19941	30086	68708	19922	11032	17151	1610	597.4	1807
AN	75.3	218	468	643	1074	2216	664	356	572	51.9	19.3	60.2
AX	213	394	2350	1610	2910	5870	2540	1460	1660	133	80	199
IN	49	59	88	58	147	134	82	20	39	16	2.7	32
C-FT	4630	12970	28780	39550	59680	136300	39520	21880	34020	3190	1180	3580
AL YR 1986	TOTAL 231913.9	MEAN 635	MAX 4800	MIN 6.9	AC-FT 460000							
TR YR 1987	TOTAL 194235.3	MEAN 532	MAX 5870	MIN 2.7	AC-FT 385300							

ARKANSAS RIVER BASIN

07260620 CHICKALAH CREEK AT CHICKALAH, ARK.

LOCATION.--Lat 35°09'36", long 93°17'32", in SW ¼ 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 south-west 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
07.	1245	9827	9827	7.11	20.0	25	--	--	36
28.	1230	9827	9827	7.12	16.0	9.0	1.4	2.0	--
DEC									
09.	1335	9827	9827	6.79	9.0	50	9.9	1.7	970
JAN									
13.	1245	9827	9827	7.02	7.0	20	12.1	0.6	--
FEB									
10.	1315	9827	9827	7.04	8.0	9.5	12.5	0.6	8
MAR									
10.	1220	9827	9827	7.03	8.0	15	10.8	0.9	230
APR									
07.	1150	9827	9827	7.46	13.0	15	10.2	--	110
MAY									
12.	1210	9827	9827	7.30	23.0	15	4.5	2.8	92
JUN									
09.	1130	9827	9827	7.02	24.0	20	7.1	1.0	180
JUL									
07.	1037	9827	9827	6.99	26.0	20	3.6	1.3	96
AUG									
11.	1138	9827	9827	7.00	27.0	15	1.5	--	32
SEP									
08.	1135	9827	9827	7.01	27.0	25	--	1.8	130
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- PENDE (MG/L) (00530)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
07.	1245	66	<1.0	--	94	10	0.060	0.380	--
28.	1230	52	4.0	9.0	114	8	0.100	0.420	0.070
DEC									
09.	1335	14	7.0	4.5	--	23	--	0.090	0.160
JAN									
13.	1245	14	5.0	5.5	51	5	0.640	0.040	0.040
FEB									
10.	1315	18	4.0	4.5	51	3	0.720	0.030	0.020
MAR									
10.	1220	14	4.0	5.0	52	7	--	0.060	0.060
APR									
07.	1150	12	5.0	4.0	23	4	0.430	0.010	0.020
MAY									
12.	1210	30	4.0	5.5	58	12	--	0.110	0.070
JUN									
09.	1130	18	6.0	5.0	67	11	--	<0.010	0.090
JUL									
07.	1037	26	4.0	6.0	67	19	0.410	0.060	0.090
AUG									
11.	1138	48	3.0	7.0	77	11	0.070	0.270	0.100
SEP									
08.	1135	54	--	7.0	102	15	--	0.220	0.070

ARKANSAS RIVER BASIN

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07260620 CHICKALAH CREEK AT CHICKALAH, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
07.	1245	0.040	4	<1	<15	2	--	20
28.	1230	0.030	2	<1	15	6	--	10
DEC								
09.	1335	0.090	--	1	--	2	--	20
JAN								
13.	1245	0.020	--	1	<15	1	--	20
FEB								
10.	1315	0.010	1	1	--	<1	--	20
MAR								
10.	1220	0.030	--	<1	<15	1	--	--
APR								
07.	1150	0.010	<1	<1	<15	1	--	--
MAY								
12.	1210	0.010	2	<1	9	5	--	20
JUN								
09.	1130	0.030	<1	--	<15	<1	--	--
JUL								
07.	1037	0.030	--	1	<15	4	0.50	<10
AUG								
11.	1138	0.040	2	7	20	1	--	10
SEP								
08.	1135	0.030	2	<1	<15	<1	--	10

ARKANSAS RIVER BASIN

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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)
OCT										
07...	0910	9827	9827	7.48	22.0	150	--	1.0	130	66
28...	0850	9827	9827	7.89	16.0	75	9.7	1.0	--	96
DEC										
09...	0910	9827	9827	7.84	9.0	40	9.6	1.0	64	130
JAN										
13...	0845	9827	9827	8.08	5.0	25	12.5	1.0	--	160
FEB										
10...	0850	9827	9827	8.69	7.0	20	14.0	2.6	<4	160
MAR										
10...	0850	9827	9827	8.06	9.0	40	11.7	1.5	40	150
APR										
07...	0840	9827	9827	8.04	11.0	40	11.2	0.4	<4	140
MAY										
12...	0835	9827	9827	8.34	24.0	20	7.6	2.8	4	170
JUN										
09...	0800	9827	9827	7.93	25.0	60	9.0	1.5	60	140
JUL										
07...	0724	9827	9827	8.01	29.0	8.7	7.8	2.0	20	180
AUG										
11...	0830	9827	9827	8.44	30.0	8.2	7.1	--	4	190
SEP										
08...	0836	9827	9827	8.38	27.0	6.5	--	2.0	12	210

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- 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)
OCT										
07...	0910	19	--	154	153	0.370	0.060	--	0.100	1
28...	0850	33	41	247	72	--	0.010	--	0.140	1
DEC										
09...	0910	65	94	--	29	--	0.090	0.170	0.130	--
JAN										
13...	0845	54	120	411	18	0.560	0.070	0.130	0.090	--
FEB										
10...	0850	50	100	367	18	0.360	0.030	0.140	0.040	1
MAR										
10...	0850	57	83	361	39	--	0.040	0.150	0.070	--
APR										
07...	0840	60	76	293	31	0.730	0.070	0.130	0.070	1
MAY										
12...	0835	72	130	415	31	--	0.100	0.110	0.030	1
JUN										
09...	0800	57	80	374	49	--	<0.010	0.200	0.090	1
JUL										
07...	0724	75	99	426	17	0.220	0.040	0.100	0.060	--
AUG										
11...	0830	94	140	446	15	0.060	0.050	0.100	0.050	1
SEP										
08...	0836	--	160	548	14	--	0.030	0.100	0.030	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L) (01034)	COPPER, TOTAL RECOVERABLE (UG/L) (01042)	LEAD, TOTAL RECOVERABLE (UG/L) (01051)	MERCURY, TOTAL RECOVERABLE (UG/L) (71900)	ZINC, TOTAL RECOVERABLE (UG/L) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	BETA BENZENE HEXACHLORIDE TOTAL (UG/L) (39338)	DELTA BENZENE HEXACHLORIDE TOTAL (UG/L) (34259)
OCT										
07...	0910	10	<15	10	--	40	--	--	--	--
28...	0850	<1	<15	2	--	30	<0.002	<0.01	<0.01	<0.01
DEC										
09...	0910	2	--	3	--	30	--	--	--	--
JAN										
13...	0845	1	<15	<1	--	160	<0.002	<0.01	<0.01	<0.01
FEB										
10...	0850	2	--	1	--	30	--	--	--	--
MAR										
10...	0850	<1	<15	<1	--	--	--	--	--	--
APR										
07...	0840	4	<15	1	--	--	--	--	--	--
MAY										
12...	0835	--	<15	<1	--	210	<0.002	<0.01	<0.01	<0.01
JUN										
09...	0800	--	29	<1	--	--	--	--	--	--
JUL										
07...	0724	2	<15	1	<0.50	10	<0.002	<0.01	<0.01	<0.01
AUG										
11...	0830	36	18	2	--	30	--	--	--	--
SEP										
08...	0836	<1	<15	3	--	<10	--	--	--	--
DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLORDANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)
OCT										
28...	0850	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JAN										
13...	0845	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAY										
12...	0835	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JUL										
07...	0724	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
DATE	TIME	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	MALA- THION, TOTAL (UG/L) (39530)	CHLOR- PYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDE- HYDE TOTAL (UG/L) (34366)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
OCT										
28...	0850	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JAN										
13...	0845	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAY										
12...	0835	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JUL										
07...	0724	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
OCT										
28...	0850	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JAN										
13...	0845	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAY										
12...	0835	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JUL										
07...	0724	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

ARKANSAS RIVER BASIN

07260675 WHITE OAK CREEK NEAR ATKINS, ARK.

LOCATION.--Lat 35°15'16", long 92°53'38", in SW ¼ NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT									
07...	0945	9827	9827	7.80	18.0	30	--	13	1100
28...	0930	9827	9827	8.05	13.0	20	8.7	13	--
DEC									
09...	1030	9827	9827	7.01	9.0	50	9.8	5.1	1700
JAN									
13...	0930	9827	9827	7.42	4.0	25	12.4	12	--
FEB									
10...	0930	9827	9827	7.58	3.0	25	11.4	23	620
MAR									
10...	0920	9827	9827	7.74	8.0	25	9.8	25	1300
APR									
07...	0920	9827	9827	7.45	10.0	25	8.7	9.6	2700
MAY									
12...	0925	9827	9827	8.30	23.0	30	9.7	28	<10
JUN									
09...	0842	9827	9827	7.62	24.0	40	8.5	28	180
JUL									
07...	0800	9827	9827	7.53	26.0	15	1.6	11	710
AUG									
11...	0915	9827	9827	7.78	27.0	30	5.6	--	20
SEP									
08...	0915	9827	9827	8.08	23.0	2.9	--	32	8
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- PENDE (MG/L) (00530)	NITRO- GEN, NO2+N03 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									
07...	0945	130	21	--	2340	50	0.690	3.40	8.7
28...	0930	110	8.0	1100	2100	36	--	1.50	--
DEC									
09...	1030	22	9.0	49	--	31	--	0.070	1.0
JAN									
13...	0930	48	21	270	528	29	0.380	0.030	2.6
FEB									
10...	0930	66	15	400	716	43	0.070	0.060	3.2
MAR									
10...	0920	54	21	350	660	55	--	0.040	--
APR									
07...	0920	58	32	2.5	573	37	0.100	0.380	--
MAY									
12...	0925	160	22	1400	2400	112	--	0.270	--
JUN									
09...	0842	120	24	1200	2120	190	--	1.50	19
JUL									
07...	0800	130	20	1200	2310	25	0.050	5.10	8.4
AUG									
11...	0915	210	12	2300	4220	145	0.100	3.30	25
SEP									
08...	0915	210	--	2500	4550	155	--	5.60	32

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
07...	0945	--	2.70	<1	<1	<15	2	--	20
28...	0930	--	2.90	1	<1	<15	1	--	20
DEC									
09...	1030	0.450	0.290	--	7	--	3	--	20
JAN									
13...	0930	0.920	0.540	--	1	<15	1	--	120
FEB									
10...	0930	1.40	0.660	<1	1	--	1	--	30
MAR									
10...	0920	1.60	0.610	--	<1	19	<1	--	--
APR									
07...	0920	0.930	0.570	<1	<1	<15	1	--	--
MAY									
12...	0925	4.10	2.30	1	1	22	1	--	40
JUN									
09...	0842	2.80	2.80	1	--	30	1	--	--
JUL									
07...	0800	3.50	2.40	--	1	<15	1	<0.50	10
AUG									
11...	0915	9.90	3.60	<1	1	25	<1	--	40
SEP									
08...	0915	9.30	6.50	<1	17	22	<1	--	30

ARKANSAS RIVER BASIN

07261000 CADRON CREEK NEAR GUY, ARK.

LOCATION.--Lat 35°17'56", long 92°24'10", in NW ¼ SE ¼ sec.29, T.8 N., R.13 W., Faulkner County, Hydrologic Unit 11110205, on left bank on downstream side of bridge on U.S. Highway 65, 4.3 mi southwest of Guy, 10.5 mi upstream from Cove Creek, and at mile 48.3.

DRAINAGE AREA.--169 mi².

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

REVISED RECORDS.--WRD Ark. 1970: Drainage area.

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

REMARKS.--Estimated daily discharges: Oct. 28 to Nov. 29 and Aug. 4 to Sept. 28. Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--33 years, 279 ft³/s, 22.42 in/yr, 202,100 acre-ft/yr.

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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 16	0815	4,020	10.54	Feb. 28	1730	*8,080	*15.49

No flow Oct. 1, 3, 4, July 26.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.06	e32	200	85	120	3460	196	31	64	7.0	.73	e1.0
2	.08	e28	207	82	281	1370	169	33	47	7.1	1.9	e1.0
3	.06	e54	185	82	318	926	149	33	36	5.2	1.7	e1.0
4	.27	e140	161	88	282	699	134	31	30	3.7	e1.3	e1.0
5	99.8	e135	145	95	252	573	124	30	25	3.4	e1.1	e1.1
6	88	e100	134	98	229	485	114	30	21	3.2	e1.0	e1.0
7	46	e95	139	94	209	413	104	27	18	2.8	e.90	e1.0
8	29	e93	396	89	190	365	100	24	15	2.0	e.80	e1.0
9	21	e76	2050	121	169	325	93	23	13	1.7	e.70	e1.0
10	16	e140	1220	503	153	284	86	21	11	1.3	e1.5	e1.0
11	12	e130	733	411	144	256	81	19	9.6	1.1	e1.3	e1.0
12	18	e120	542	345	131	245	77	16	8.5	.83	e1.1	e1.1
13	16	e98	421	300	120	223	74	51	7.4	1.3	e1.0	e1.3
14	22	e80	351	262	124	206	88	37	6.5	1.7	e.90	e1.4
15	26	e62	308	232	379	189	100	51	6.0	1.3	e.90	e1.3
16	21	e45	276	205	3060	173	91	34	5.5	.73	e.90	e1.2
17	17	e38	244	182	1510	199	88	29	10	.62	e.80	e1.2
18	15	e31	218	202	983	1120	81	25	9.4	.47	e.90	e1.1
19	12	e26	193	290	723	769	75	32	8.4	.47	e1.2	e1.1
20	9.4	e25	173	260	581	528	69	26	25	.45	e1.5	e1.1
21	7.5	e24	152	238	496	403	66	22	21	.40	e1.1	e1.1
22	6.1	e23	137	229	434	327	58	20	15	.30	e1.0	e1.1
23	7.5	e22	129	207	376	292	52	17	11	.24	e1.0	e1.1
24	26	e26	130	190	330	1040	49	37	9.7	.27	e.90	e1.1
25	279	e40	129	180	296	764	48	37	12	.22	e.90	e1.1
26	190	e100	113	167	302	529	46	68	9.9	.12	e1.2	e1.0
27	144	e160	104	152	690	417	44	53	7.5	.73	e1.1	e1.1
28	e95	e260	99	147	6010	335	40	45	6.0	9.8	e1.1	e1.1
29	e75	e240	95	139	---	270	36	34	5.4	3.3	e1.0	2.3
30	e50	220	92	130	---	255	34	102	4.7	1.7	e1.0	1.5
31	e42	---	89	117	---	231	---	179	---	.99	e1.0	---
TOTAL	1390.77	2663	9565	5922	18892	17671	2566	1217	478.5	64.44	33.43	34.4
MEAN	44.9	88.8	309	191	675	570	85.5	39.3	15.9	2.08	1.08	1.15
MAX	279	260	2050	503	6010	3460	196	179	64	9.8	1.9	2.3
MIN	.06	22	89	82	120	173	34	16	4.7	.12	.70	1.0
AC-FT	2760	5280	18970	11750	37470	35050	5090	2410	949	128	66	68
CFSM	.27	.53	1.83	1.13	3.99	3.37	.51	.23	.09	.0	.0	.0
IN.	.31	.59	2.11	1.30	4.16	3.89	.56	.27	.11	.0	.0	.0

CAL YR 1986 TOTAL 56300.19 MEAN 154 MAX 2680 MIN .00 AC-FT 111700 CFSM .91 IN. 12.4
WTR YR 1987 TOTAL 60497.23 MEAN 166 MAX 6010 MIN .06 AC-FT 120000 CFSM .98 IN. 13.3

e Estimated

ARKANSAS RIVER BASIN

297

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 22,241 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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										
07...	1645	9827	9827	7.30	22.0	160	--	1.1	120	72
28...	1600	9827	9827	7.92	18.0	65	10.2	1.2	--	96
DEC										
09...	0830	9827	9827	7.72	7.0	55	11.0	1.4	790	110
JAN										
13...	1615	9827	9827	8.16	7.0	270	13.0	1.2	--	150
FEB										
10...	0845	9827	9827	8.62	9.0	20	13.9	3.2	<4	150
MAR										
11...	0830	9827	9827	8.03	10.0	35	12.0	0.8	36	150
APR										
07...	0830	9827	9827	8.08	13.0	40	11.5	0.1	10	150
MAY										
12...	1550	9827	9827	8.37	25.0	20	8.6	2.5	<4	180
JUN										
09...	1500	9827	9827	7.90	27.0	60	9.0	1.7	36	150
JUL										
07...	1415	9827	9827	7.89	29.0	15	8.6	2.1	16	180
AUG										
11...	1525	9827	9827	8.45	32.0	5.9	8.8	--	<4	200
SEP										
08...	1555	9827	9827	8.79	32.0	25	--	6.8	100	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+N03 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)
OCT										
07...	1645	22	--	158	194	0.380	0.060	--	0.100	1
28...	1600	33	41	245	73	--	<0.010	--	0.180	2
DEC										
09...	0830	55	75	--	55	--	0.080	0.180	0.120	--
JAN										
13...	1615	52	120	389	19	0.580	0.060	0.130	0.090	--
FEB										
10...	0845	43	90	350	21	0.390	0.030	0.110	0.040	<1
MAR										
11...	0830	57	86	368	41	--	0.060	0.150	0.080	--
APR										
07...	0830	61	84	319	30	0.750	0.050	0.130	0.070	1
MAY										
12...	1550	74	120	417	27	--	0.070	0.100	0.030	1
JUN										
09...	1500	58	90	372	58	--	0.010	0.200	0.110	1
JUL										
07...	1415	73	99	419	16	0.220	0.010	0.100	0.050	--
AUG										
11...	1525	93	140	445	11	0.070	0.070	0.120	0.100	<1
SEP										
08...	1555	--	160	536	31	--	0.010	0.110	0.020	1

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	BHC TOTAL (UG/L) (39337)	BETA BENZENE HEXACHLORIDE TOTAL (UG/L) (39338)	DELTA BENZENE HEXACHLORIDE TOTAL (UG/L) (34259)
OCT										
07...	1645	12	<15	--	--	50	--	--	--	--
28...	1600	3	<15	2	--	20	--	--	--	--
DEC										
09...	0830	5	--	5	--	30	--	--	--	--
JAN										
13...	1615	2	<15	2	--	50	--	--	--	--
FEB										
10...	0845	35	--	3	--	50	<0.002	<0.01	<0.01	<0.01
MAR										
11...	0830	1	23	2	--	--	--	--	--	--
APR										
07...	0830	8	20	3	--	--	--	--	--	--
MAY										
12...	1550	--	<15	20	--	250	--	--	--	--
JUN										
09...	1500	--	30	<1	--	--	<0.002	<0.01	<0.01	<0.01
JUL										
07...	1415	3	<15	1	<0.50	<10	--	--	--	--
AUG										
11...	1525	31	<15	3	--	30	<0.002	<0.01	<0.01	<0.01
SEP										
08...	1555	1	<15	5	--	10	--	--	--	--
DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLORDANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)
FEB										
10...	0845	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JUN										
09...	1500	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
AUG										
11...	1525	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
DATE	TIME	ALACHLOR TOTAL RECOVER (UG/L) (77825)	MALATHION, TOTAL (UG/L) (39530)	CHLORPYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDEHYDE TOTAL (UG/L) (34366)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	TOXAPHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
FEB										
10...	0845	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JU...										
09...	1500	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
AUG										
11...	1525	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METHOXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARATHION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
FEB										
10...	0845	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JU...										
09...	1500	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
AUG										
11...	1525	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

ARKANSAS RIVER BASIN

299

07261500 FOURCHE LAFAVE RIVER NEAR GRAVELLY, ARK.

LOCATION.--Lat 34°52'21", long 93°39'24", in NW ¼ NW ¼ 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.--No estimated daily discharges. Water-discharge records good. Satellite telemeter at station.

AVERAGE DISCHARGE.--48 years, 538 ft³/s, 17.82 in/yr, 389,800 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)
Mar. 18	0200	*31,400	*24.11	No other peak greater than base discharge.			
Minimum discharge, 0.07 ft ³ /s Sept. 27, 28, gage height, 0.86 ft.							

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	60	260	79	197	3650	490	56	578	15	8.1	.55
2	30	64	229	75	272	1860	445	51	438	11	7.0	.47
3	25	64	200	106	379	1290	396	48	452	8.9	6.3	.45
4	36	124	177	198	344	975	356	44	889	7.7	5.3	.42
5	186	339	160	327	298	770	321	41	548	5.4	4.6	.41
6	198	419	145	327	267	644	293	482	366	3.7	4.9	.40
7	151	301	205	302	245	548	269	1500	273	3.1	4.5	.39
8	122	237	1050	274	228	475	246	686	213	2.8	3.1	.37
9	98	197	2350	570	209	415	225	387	171	2.6	1.8	.33
10	85	194	1400	1590	192	359	205	258	143	5.4	1.3	.37
11	76	702	877	1060	179	314	188	188	125	8.8	1.7	.36
12	99	885	646	759	168	278	188	149	117	9.0	1.9	.32
13	119	604	508	618	157	248	267	141	113	8.6	2.1	.27
14	121	459	412	524	154	222	522	140	97	9.3	1.6	.22
15	128	374	356	454	376	203	376	136	82	7.3	1.0	.21
16	119	314	319	396	1190	185	303	106	71	5.3	.62	.28
17	104	267	286	354	1180	10100	252	91	61	4.4	.53	.26
18	93	226	256	396	878	14000	217	90	56	5.5	.54	.25
19	84	188	232	701	700	2330	189	76	47	6.3	.52	.27
20	75	164	210	756	601	1450	164	63	42	7.0	.49	.23
21	68	148	190	622	569	1060	149	52	36	7.1	.45	.22
22	64	136	171	542	544	821	134	44	30	7.1	.42	.20
23	62	127	158	475	549	716	121	44	26	9.2	1.1	.18
24	65	119	150	420	525	1190	110	256	22	15	1.2	.15
25	59	134	141	378	507	1010	101	383	19	23	.94	.14
26	53	261	129	336	614	750	94	301	17	22	.67	.12
27	51	402	119	298	1290	635	86	288	16	19	.70	.09
28	45	377	109	268	4130	558	77	1200	14	17	.81	.09
29	43	327	100	243	---	521	69	3980	12	14	.81	.14
30	41	290	94	219	---	533	63	1480	13	12	.70	.27
31	44	---	87	198	---	515	---	864	---	9.9	.61	---
TOTAL	2568	8503	11726	13865	16942	48625	6916	13625	5087	292.4	66.31	8.43
MEAN	82.8	283	378	447	605	1569	231	440	170	9.43	2.14	.28
MAX	198	885	2350	1590	4130	14000	522	3980	889	23	8.1	.55
MIN	24	60	87	75	154	185	63	41	12	2.6	.42	.09
AC-FT	5090	16870	23260	27500	33600	96450	13720	27030	10090	580	132	.17
CFSM	.20	.69	.92	1.09	1.48	3.83	.56	1.07	.41	.0	.0	.0
IN.	.23	.77	1.06	1.26	1.54	4.41	.63	1.24	.46	.0	.0	.0

CAL YR 1986	TOTAL 187146.16	MEAN 513	MAX 15700	MIN 6.8	AC-FT 371200	CFSM 1.25	IN. 17.0
WTR YR 1987	TOTAL 128223.53	MEAN 351	MAX 14000	MIN .09	AC-FT 254300	CFSM .86	IN. 11.6

ARKANSAS RIVER BASIN

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
07.	1410	9827	9827	7.33	21.0	9.0	--	2.3	100
28.	1345	9827	9827	7.40	17.0	4.0	9.3	1.0	--
DEC									
09.	1455	9827	9827	6.84	9.0	40	10.3	0.6	1400
JAN									
13.	1400	9827	9827	7.30	7.0	25	12.5	0.6	--
FEB									
10.	1445	9827	9827	7.18	11.0	10	12.2	0.4	<4
MAR									
10.	1320	9827	9827	7.43	11.0	10	10.5	0.8	24
APR									
07.	1300	9827	9827	7.73	15.0	10	10.7	--	28
MAY									
12.	1335	9827	9827	7.48	25.0	20	8.0	1.4	52
JUN									
09.	1246	9827	9827	7.46	27.0	15	8.4	0.9	20
JUL									
07.	1215	9827	9827	6.94	29.0	4.1	6.5	1.1	40
AUG									
11.	1317	9827	9827	6.99	30.0	9.0	6.0	--	16
SEP									
08.	1330	9827	9827	7.24	28.0	5.1	--	1.6	<4
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)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
07.	1410	18	6.0	--	37	11	0.030	0.010	--
28.	1345	10	6.0	3.0	54	3	--	0.240	--
DEC									
09.	1455	14	7.0	4.0	--	31	--	0.050	0.140
JAN									
13.	1400	<12	6.0	4.5	45	5	0.150	0.030	0.050
FEB									
10.	1445	14	7.0	3.5	46	3	0.240	0.020	0.020
MAR									
10.	1320	16	4.0	4.5	34	5	--	0.020	0.050
APR									
07.	1300	<12	6.0	6.0	24	5	0.100	0.010	0.030
MAY									
12.	1335	18	5.0	4.0	58	7	--	0.030	0.060
JUN									
09.	1246	<12	5.0	2.5	58	5	--	<0.010	0.090
JUL									
07.	1215	18	4.0	3.0	48	5	0.030	<0.010	0.050
AUG									
11.	1317	28	4.0	3.5	30	9	0.040	<0.010	0.050
SEP									
08.	1330	16	--	4.0	49	8	--	0.020	0.040

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
07.	1410	0.020	1	<1	<15	3	--	10
28.	1345	0.030	7	<1	<15	1	--	10
DEC								
09.	1455	0.070	--	2	--	--	--	20
JAN								
13.	1400	0.020	--	1	<15	4	--	40
FEB								
10.	1445	0.010	2	<1	--	1	--	40
MAR								
10.	1320	0.020	--	<1	<15	<1	--	--
APR								
07.	1300	<0.010	<1	3	<15	<1	--	--
MAY								
12.	1335	0.020	1	--	<15	2	--	20
JUN								
09.	1246	0.030	1	--	<15	<1	--	--
JUL								
07.	1215	0.010	--	1	<15	1	0.50	<10
AUG								
11.	1317	0.010	<1	4	<15	1	--	10
SEP								
08.	1330	<0.010	1	<1	<15	5	--	10

ARKANSAS RIVER BASIN

07262000 NIMROD LAKE NEAR NIMROD, ARK.

LOCATION.--Lat 34°57'07", long 93°09'38", in NW ¼ SW ¼ 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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	
OCT										
14...	0945	80513	80020	0.0	34	6.90	19.0	7.8	0.85	
14...	0946	80513	80020	10.0	34	6.90	19.0	7.6	--	
14...	0947	80513	80020	20.0	34	6.90	19.0	7.5	--	
14...	0948	80513	80020	30.0	33	6.90	19.0	7.4	--	
14...	0950	80513	80020	36.0	34	6.90	19.0	7.4	--	
NOV										
03...	1040	80513	80020	0.0	34	6.87	17.5	8.6	0.91	
03...	1042	80513	80020	10.0	34	6.86	17.0	8.2	--	
03...	1044	80513	80020	20.0	34	6.87	17.0	8.1	--	
03...	1046	80513	80020	30.0	34	6.88	17.0	8.0	--	
03...	1048	80513	80020	35.0	34	6.85	17.0	7.9	--	
DEC										
08...	0950	80513	80020	0.0	37	6.25	9.0	11.8	0.82	
08...	0952	80513	80020	10.0	36	6.39	8.5	11.1	--	
08...	0954	80513	80020	20.0	36	6.44	8.5	10.9	--	
08...	0956	80513	80020	30.0	36	6.49	8.5	10.7	--	
08...	0958	80513	80020	37.0	36	6.55	8.5	10.6	--	
JAN										
20...	0945	80513	80020	0.0	34	6.58	5.0	12.5	12	--
20...	0946	80513	80020	3.00	33	6.60	5.0	12.1	--	--
20...	0947	80513	80020	8.00	34	6.66	5.0	12.0	--	65
20...	0948	80513	80020	10.0	34	6.66	5.0	11.8	--	--
20...	0949	80513	80020	20.0	33	6.65	5.0	11.8	--	--
20...	0950	80513	80020	30.0	33	6.66	5.0	11.7	--	65
20...	0952	80513	80020	38.0	33	6.66	5.0	11.5	--	--

ARKANSAS RIVER BASIN

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07262000 NIMROD LAKE NEAR NIMROD, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LITY WH WAT TOTAL 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)
JAN										
20...	0945	--	--	--	0	--	--	--	--	--
20...	0946	--	--	--	--	0.100	0.040	<0.010	4.80	0.300
20...	0947	16	1.6	10	9	0.100	0.040	0.010	--	--
20...	0950	16	1.6	10	8	0.100	0.050	<0.010	--	--
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	
FEB										
10...	0940	80513	80020	0.0	33	6.35	8.5	11.5	0.64	
10...	0941	80513	80020	10.0	34	6.40	8.0	11.3	--	
10...	0942	80513	80020	20.0	34	6.44	8.0	11.2	--	
10...	0943	80513	80020	30.0	34	6.44	8.0	11.0	--	
10...	0944	80513	80020	36.0	34	6.47	8.0	10.9	--	
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	
MAR										
02...	1000	80513	80020	0.0	32	6.51	9.0	11.3	0.43	
02...	1001	80513	80020	10.0	31	6.56	9.0	11.0	--	
02...	1002	80513	80020	20.0	31	6.56	9.0	10.9	--	
02...	1003	80513	80020	30.0	31	6.60	9.0	10.8	--	
02...	1004	80513	80020	40.0	31	6.59	9.0	10.7	--	
02...	1005	80513	80020	44.0	31	6.60	9.0	10.6	--	
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	
APR										
30...	0945	80513	80020	0.0	34	6.98	23.5	9.3	1.10	
30...	0947	80513	80020	5.00	34	6.87	23.0	8.5	--	
30...	0949	80513	80020	8.00	34	6.80	22.0	7.9	--	
30...	0950	80513	80020	10.0	34	6.68	21.0	6.9	--	
30...	0951	80513	80020	11.0	34	6.54	20.0	6.1	--	
30...	0953	80513	80020	16.0	34	6.42	19.0	5.3	--	
30...	0955	80513	80020	20.0	34	6.30	18.0	4.5	--	
30...	0957	80513	80020	27.0	35	6.25	17.0	4.1	--	
30...	0958	80513	80020	30.0	36	6.19	16.5	3.6	--	
30...	0959	80513	80020	36.0	38	6.21	16.0	2.6	--	
30...	1001	80513	80020	39.0	45	6.19	15.0	1.7	--	

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 NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MAY								
18...	1015	80513	80020	0.0	39	7.10	25.5	8.5
18...	1016	80513	80020	3.00	39	7.06	24.5	8.4
18...	1018	80513	80020	8.00	40	6.66	24.0	6.4
18...	1020	80513	80020	10.0	39	6.55	24.0	5.8
18...	1022	80513	80020	12.0	37	6.23	23.0	4.0
18...	1024	80513	80020	14.0	38	6.03	22.0	1.7
18...	1026	80513	80020	20.0	43	5.96	21.5	0.9
18...	1028	80513	80020	25.0	46	5.96	20.5	0.4
18...	1030	80513	80020	28.0	51	5.99	19.5	0.2
18...	1032	80513	80020	30.0	53	5.99	19.0	0.1
18...	1034	80513	80020	32.0	56	6.03	18.5	0.1
18...	1036	80513	80020	40.0	70	6.08	17.5	0.2

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, O.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS AS CAC03 (00900)	CALCIUM DIS- SOLVED AS CA (MG/L) (00915)
MAY								
18...	1015	1.10	2	--	--	--	--	--
18...	1018	--	--	28	3.4	2.1	11	2.1
18...	1034	--	--	55	13	0.8	13	2.4

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	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)
MAY								
18...	1016	--	--	<0.100	0.030	<0.010	17.0	0.400
18...	1018	1.5	12	<0.100	0.030	<0.010	--	--
18...	1034	1.7	13	<0.100	0.040	<0.010	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUN								

01...	0945	80513	80020	0.0	38	6.15	26.0	6.7
01...	0946	80513	80020	3.00	38	6.20	26.0	6.3
01...	0948	80513	80020	10.0	40	6.20	26.0	4.2
01...	0951	80513	80020	15.0	41	6.06	25.0	2.2
01...	0953	80513	80020	17.0	43	6.02	24.0	2.4
01...	0954	80513	80020	20.0	42	6.03	23.0	2.4
01...	0956	80513	80020	30.0	44	5.98	23.0	2.2
01...	0958	80513	80020	40.0	61	6.01	22.0	0.2
01...	0959	80513	80020	41.0	71	6.16	20.5	0.1

DATE	TIME	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							

01...	0945	1.20	--	--	--	--	--
01...	0946	--	<0.100	0.040	<0.010	23.0	1.00

ARKANSAS RIVER BASIN

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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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	
DATE	TIME							
JUL								
06.	1015	80513	80020	0.0	40	6.94	29.0	
06.	1016	80513	80020	3.00	40	6.86	29.0	
06.	1018	80513	80020	10.0	41	6.56	28.5	
06.	1019	80513	80020	13.0	43	6.24	27.5	
06.	1021	80513	80020	20.0	47	6.17	27.0	
06.	1022	80513	80020	26.0	57	6.25	26.5	
06.	1023	80513	80020	30.0	70	6.39	25.5	
06.	1024	80513	80020	33.0	75	6.48	24.5	
06.	1025	80513	80020	36.0	83	6.58	23.5	
06.	1026	80513	80020	37.0	103	6.66	23.0	
06.	1027	80513	80020	38.0	110	6.69	22.5	
		OXYGEN, DIS- SOLVED (MG/L) (00300)	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)		
DATE	TIME							
JUL								
06.	1015	7.3	0.91	--	--	--		
06.	1016	6.7	--	<0.100	0.070	<0.010		
06.	1018	4.2	--	--	--	--		
06.	1019	1.8	--	--	--	--		
06.	1021	0.2	--	--	--	--		
06.	1022	0.1	--	--	--	--		
06.	1023	0.1	--	--	--	--		
06.	1024	0.1	--	--	--	--		
06.	1025	0.1	--	--	--	--		
06.	1026	0.1	--	--	--	--		
06.	1027	0.1	--	--	--	--		
		AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DATE	TIME							
AUG								
24...	0955	80513	80020	0.0	51	6.04	28.0	0.7
24...	0956	80513	80020	3.00	51	6.04	28.0	0.6
24...	0957	80513	80020	7.00	51	6.01	28.0	0.6
24...	0958	80513	80020	10.0	51	5.97	28.0	0.6
24...	0959	80513	80020	20.0	51	6.00	28.0	0.4
24...	1000	80513	80020	26.0	84	6.30	27.0	0.1
24...	1001	80513	80020	30.0	95	6.38	26.5	0.1
24...	1002	80513	80020	32.0	99	6.46	26.0	0.1
24...	1003	80513	80020	33.0	107	6.52	25.0	0.1
24...	1004	80513	80020	34.0	121	6.58	24.5	0.1
24...	1005	80513	80020	37.0	160	6.65	23.5	0.1
		TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, O.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
DATE	TIME							
AUG								
24...	0955	0.95	0	--	--	--	--	--
24...	0957	--	--	26	3.7	1.1	14	2.7
24...	1001	--	--	17	12	1.0	18	3.4

ARKANSAS RIVER BASIN

07262000 NIMROD LAKE NEAR NIMROD, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

		MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	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)			
DATE	TIME										
AUG											
24...	0956	--	--	<0.100	0.030	<0.010	5.30	0.400			
24...	0957	1.8	18	<0.100	0.030	<0.010	--	--			
24...	1001	2.2	32	<0.100	0.050	0.010	--	--			
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	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											
02...	1225	80513	80020	0.0	47	6.37	27.0	4.3	0.61	--	--
02...	1226	80513	80020	3.00	48	6.33	27.0	4.2	--	15.0	0.500
02...	1227	80513	80020	10.0	48	6.38	26.5	3.3	--	--	--
02...	1228	80513	80020	20.0	49	6.35	26.0	1.9	--	--	--
02...	1229	80513	80020	30.0	50	6.32	26.0	2.2	--	--	--
02...	1230	80513	80020	34.0	66	6.48	25.5	0.9	--	--	--
02...	1231	80513	80020	36.0	97	6.56	25.5	0.4	--	--	--
02...	1232	80513	80020	37.0	178	6.77	23.5	0.2	--	--	--

07262500 FOURCHE LAFAVE RIVER NEAR NIMROD, ARK.

LOCATION.--Lat 34°57'02", long 93°09'16", in NW ¼ SW ¼ 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.

RAINAGE AREA.--684 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, O.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)
OCT										
14...	0915	80513	80020	37	6.50	15.0	8.2	--	--	--
NOV										
03...	1015	80513	80020	34	6.65	17.0	9.5	--	--	--
DEC										
08...	0930	80513	80020	36	6.12	9.5	11.1	--	--	--
JAN										
20...	0925	80513	80020	34	6.51	3.5	13.1	9	64	16
FEB										
10...	0920	80513	80020	35	6.25	7.5	12.4	--	--	--
MAR										
02...	0900	80513	80020	32	6.16	8.5	11.1	--	--	--
APR										
30...	1015	80513	80020	37	6.50	17.5	9.8	--	--	--
MAY										
18...	1000	80513	80020	46	7.07	21.0	7.8	24	55	12
JUN										
01...	0920	80513	80020	45	5.78	23.0	7.2	--	--	--
JUL										
06...	0945	80513	80020	54	6.44	26.5	5.7	--	--	--
AUG										
24...	0930	80513	80020	68	5.66	26.0	5.4	59	67	12
SEP										
02...	1200	80513	80020	49	6.76	25.5	6.4	--	--	--

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN									
20...	0925	1.6	10	--	--	11	0.100	0.030	<0.010
MAY									
18...	1000	1.0	13	2.5	1.6	13	<0.100	0.040	<0.010
AUG									
24...	0930	1.0	16	3.1	1.9	25	0.200	0.040	<0.010

ARKANSAS RIVER BASIN

07262985 SOUTH FOURCHE LAFAYE RIVER AT HOLLIS, ARK.

LOCATION.--Lat 34°52'16", long 93°06'38", in NE ¼ NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
07...	1530	9827	9827	7.00	22.0	8.0	--	2.1	230
28...	1445	9827	9827	7.07	17.0	20	8.8	1.2	--
DEC									
09...	1600	9827	9827	6.61	10.0	50	10.4	3.1	760
JAN									
13...	1500	9827	9827	6.71	7.0	25	12.3	1.5	--
FEB									
10...	1615	9827	9827	7.15	--	15	11.9	1.6	12
MAR									
10...	1420	9827	9827	7.31	11.0	15	10.3	2.0	32
APR									
07...	1350	9827	9827	7.46	13.0	20	10.1	0.6	24
MAY									
12...	1435	9827	9827	7.52	26.0	5.0	8.2	2.5	24
JUN									
09...	1352	9827	9827	7.12	27.0	15	7.6	1.5	8
JUL									
07...	1315	9827	9827	6.61	29.0	8.4	7.0	2.0	<4
AUG									
11...	1415	9827	9827	6.87	30.0	25	5.6	--	360
SEP									
08...	1440	9827	9827	6.78	26.0	3.2	--	1.8	<4

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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
07...	1530	22	4.0	--	33	7	0.080	0.080	--
28...	1445	4	7.0	4.5	59	6	--	0.150	1.1
DEC									
09...	1600	--	6.0	5.0	--	51	--	0.090	--
JAN									
13...	1500	<12	6.0	4.5	50	5	0.160	0.090	--
FEB									
10...	1615	12	7.0	6.5	51	3	0.080	0.070	--
MAR									
10...	1420	<12	4.0	7.0	57	5	--	0.250	--
APR									
07...	1350	<12	7.0	4.0	28	7	0.050	0.090	--
MAY									
12...	1435	18	3.0	5.0	42	4	--	0.070	--
JUN									
09...	1352	14	4.0	4.5	58	3	--	0.040	--
JUL									
07...	1315	12	4.0	4.5	50	7	0.040	0.080	--
AUG									
11...	1415	18	3.0	7.5	28	13	0.050	0.030	--
SEP									
08...	1440	16	--	5.0	46	4	--	0.010	--

ARKANSAS RIVER BASIN

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07262985 SOUTH FOURCHE LAFAYE RIVER AT HOLLIS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
07...	1530	--	0.060	<1	<1	<15	2	--	10
28...	1445	--	0.060	1	<1	<15	<1	--	10
DEC									
09...	1600	0.120	0.080	--	--	--	--	--	30
JAN									
13...	1500	0.050	0.050	--	1	<15	1	--	40
FEB									
10...	1615	0.040	0.040	1	1	--	1	--	30
MAR									
10...	1420	0.050	0.080	--	1	24	<1	--	--
APR									
07...	1350	0.020	0.040	<1	13	<15	2	--	--
MAY									
12...	1435	0.040	0.010	<1	<1	<15	3	--	10
JUN									
09...	1352	0.080	0.040	<1	--	17	<1	--	--
JUL									
07...	1315	0.060	0.030	--	1	<15	1	0.60	10
AUG									
11...	1415	0.080	0.010	1	1	<15	2	--	20
SEP									
08...	1440	0.040	<0.010	1	<1	<15	<1	--	<10

ARKANSAS RIVER BASIN

07263000 SOUTH FOURCHE LAFAYE RIVER NEAR HOLLIS, ARK.

LOCATION.--Lat 34°54'41", long 93°03'21", in SE ¼ NE ¼ 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.--46 years, 295 ft³/s, 19.08 in/yr, 213,700 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 measurement at gag 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)
Mar. 17	2345	*7,180	*9.18				

Minimum discharge, 0.24 ft³/s Aug. 10, gage height, 1.56 ft.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	30	87	55	106	1810	238	21	162	22	.75	4.1
2	8.9	27	78	50	288	771	206	20	118	45	.75	3.3
3	12	24	69	87	304	458	179	18	76	26	.66	2.7
4	16	62	61	271	233	297	156	18	59	19	.59	2.3
5	17	397	55	436	194	205	136	18	56	16	.60	2.0
6	22	282	49	433	171	143	123	18	42	13	.56	1.7
7	40	194	56	397	149	94	113	32	35	11	.44	1.5
8	29	229	752	310	131	64	103	60	29	9.7	.36	1.3
9	24	219	2620	1000	114	46	94	38	24	8.1	.30	1.1
10	21	178	999	1330	102	36	85	26	21	7.2	.88	1.1
11	18	861	578	664	95	29	78	21	18	6.7	4.5	1.1
12	84	565	402	446	89	24	74	18	17	5.9	6.3	1.2
13	115	310	299	340	83	21	96	19	16	5.8	4.9	1.7
14	101	211	237	273	91	19	215	37	14	5.7	4.3	2.0
15	75	165	213	230	668	17	198	18	12	5.5	3.1	2.5
16	60	132	205	203	1570	16	153	14	11	4.9	2.4	74
17	50	107	199	181	779	1540	123	14	9.9	4.3	3.6	39
18	43	91	181	246	532	2280	103	14	8.9	3.7	5.0	27
19	37	77	165	573	398	749	89	18	8.9	3.2	4.5	33
20	32	70	144	451	323	458	75	20	8.1	2.5	3.5	25
21	28	63	127	353	287	331	65	16	14	1.5	2.8	18
22	25	57	112	295	262	257	57	13	17	1.3	2.4	15
23	24	53	105	244	236	297	50	12	17	1.3	2.1	14
24	68	49	104	210	213	789	44	35	59	3.3	1.7	12
25	111	57	94	188	188	567	40	34	77	6.6	1.4	11
26	93	150	87	164	264	379	36	35	48	4.3	1.1	10
27	69	177	79	140	1070	295	32	36	36	2.2	8.6	10
28	55	132	72	124	4820	243	28	46	21	1.6	12	9.9
29	46	109	67	113	---	208	25	126	16	1.2	9.7	46
30	39	95	63	103	---	239	23	103	15	1.0	7.7	44
31	33	---	58	93	---	275	---	83	---	.85	5.2	---
TOTAL	1404.7	5173	8417	10003	13760	12957	3037	1001	1065.8	250.35	102.69	417.5
MEAN	45.3	172	272	323	491	418	101	32.3	35.5	8.08	3.31	13.9
MAX	115	861	2620	1330	4820	2280	238	126	162	45	12	74
MIN	8.8	24	49	50	83	16	23	12	8.1	.85	.30	1.1
AC-FT	2790	10260	16700	19840	27290	25700	6020	1990	2110	497	204	828
CFSM	.22	.82	1.29	1.54	2.34	1.99	.48	.15	.17	.0	.0	.07
IN.	.25	.92	1.49	1.77	2.44	2.30	.54	.18	.19	.0	.0	.07

CAL YR 1986 TOTAL 80350.23 MEAN 220 MAX 3730 MIN .16 AC-FT 159400 CFSM 1.05 IN. 14.2
WTR YR 1987 TOTAL 57588.79 MEAN 158 MAX 4820 MIN .30 AC-FT 114200 CFSM .75 IN. 10.2

ARKANSAS RIVER BASIN

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07263240 STONE DAM CREEK NEAR CONWAY, ARK.

LOCATION.--Lat 35°03'32", long 92°26'28", in SW ¼ NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
07...	1715	9827	9827	7.25	18.0	7.0	--	2.2	4
28...	1630	9827	9827	7.21	18.0	15	4.8	2.7	--
DEC									
09...	1005	9827	9827	7.12	9.0	30	7.6	0.6	<4
JAN									
13...	0900	9827	9827	7.14	--	15	--	1.6	--
FEB									
11...	0915	9827	9827	7.29	11.0	10	7.2	1.6	--
MAR									
10...	0900	9827	9827	7.28	10.0	8.2	8.2	2.3	4
APR									
07...	0900	9827	9827	7.36	14.0	10	6.1	2.7	4
MAY									
12...	1620	9827	9827	7.14	25.0	9.0	3.3	6.4	90
JUN									
09...	1530	9827	9827	7.28	27.0	9.0	5.3	3.5	16
JUL									
07...	1440	9827	9827	6.94	27.0	60	3.8	13	580
AUG									
11...	1550	9827	9827	7.19	29.0	9.6	2.8	--	48

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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
07...	1715	52	35	--	193	8	1.00	9.80	14
28...	1630	48	33	16	153	11	--	5.10	9.5
DEC									
09...	1005	32	22	13	--	15	--	2.50	3.2
JAN									
13...	0900	40	33	21	156	7	0.660	--	8.6
FEB									
11...	0915	46	26	24	187	8	0.440	8.10	9.2
MAR									
10...	0900	42	32	23	186	7	--	6.20	9.7
APR									
07...	0900	44	39	22	160	9	0.390	6.80	7.5
MAY									
12...	1620	50	12	14	123	7	--	3.00	5.1
JUN									
09...	1530	46	15	14	128	5	--	3.20	3.3
JUL									
07...	1440	48	16	20	151	185	0.630	7.40	9.6
AUG									
11...	1550	48	17	16	123	7	0.880	5.80	6.3

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
07...	1715	--	4.90	1	3	<15	3	--	30
28...	1630	--	2.50	1	5	<15	2	--	30
DEC									
09...	1005	1.10	0.850	--	4	--	--	--	50
JAN									
13...	0900	3.20	--	--	8	<15	3	--	110
FEB									
11...	0915	3.50	3.10	<1	11	--	3	--	70
MAR									
10...	0900	3.90	3.10	--	--	--	--	--	--
APR									
07...	0900	3.20	2.60	1	4	<15	3	--	--
MAY									
12...	1620	1.30	1.20	<1	2	<15	3	--	20
JUN									
09...	1530	1.70	1.30	<1	--	22	3	--	--
JUL									
07...	1440	3.50	2.20	--	11	<15	16	0.50	40
AUG									
11...	1550	2.50	2.20	1	3	<15	2	--	30

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.--60 years, 41,680 ft³/s, 30,200,000 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, 309,000 ft³/s Oct. 13, tailwater elevation, 251.98 ft; minimum daily, 588 ft³/s Aug. 6.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46800	149000	58600	21500	48400	145000	161000	32200	131000	30700	29900	12400
2	86900	149000	62300	29900	50000	167000	152000	32100	136000	35200	21500	20600
3	137000	148000	66300	36400	58100	175000	130000	36800	132000	32200	7570	12500
4	168000	148000	60300	43200	69300	180000	108000	28100	130000	33000	9320	9490
5	198000	146000	59500	23300	73800	176000	95900	28300	129000	39300	2540	8950
6	206000	145000	52000	24200	68900	170000	91900	21400	129000	37700	588	11500
7	211000	145000	55400	30000	66700	170000	91200	19000	125000	48400	600	7140
8	234000	141000	60400	29600	65900	169000	94200	27200	125000	48500	3750	15700
9	266000	134000	68500	37500	63800	167000	87100	23600	129000	48400	6530	13500
10	288000	139000	84500	56100	61500	166000	69400	15400	125000	52000	2430	13300
11	300000	144000	86000	73000	63800	165000	51400	39600	123000	45500	3180	6680
12	307000	141000	88700	76500	65300	163000	52100	42300	111000	43700	6590	779
13	308000	121000	83000	61300	61900	158000	53300	38000	96300	47800	6680	13400
14	307000	88800	83600	51900	49900	154000	63400	33400	79600	50500	3590	18900
15	305000	75700	85500	53300	60800	156000	85900	33500	79600	46800	9850	10000
16	304000	78800	79200	62000	87000	157000	82800	25600	78200	45300	8770	16900
17	301000	80600	60900	54500	111000	152000	67400	26200	72500	45200	7040	3530
18	294000	79900	48700	53700	115000	163000	56500	17000	52000	45200	8070	9510
19	279000	82000	48600	64600	114000	195000	49700	8860	34700	45300	14500	6840
20	262000	75700	49600	77700	115000	197000	55000	21300	42300	37700	3170	14300
21	235000	75400	48400	74600	118000	184000	53200	25100	46100	39000	21700	20600
22	205000	69000	44900	70800	114000	173000	54900	21800	53200	38400	16000	22600
23	176000	65400	46600	68400	101000	166000	45000	10200	44500	35300	13600	14400
24	168000	48400	37400	61200	87100	172000	39900	38300	42300	33200	14700	6660
25	163000	41500	34700	65900	87500	177000	42900	34900	48100	36300	12400	2190
26	156000	45700	35700	63500	91100	180000	42500	33400	46400	37900	17100	1720
27	151000	46300	29800	52700	92700	178000	43800	31400	41700	15100	17000	783
28	149000	46000	39200	43800	113000	175000	43400	27100	40600	10200	29500	4880
29	151000	47200	38900	43200	---	171000	39100	54900	43800	22300	8100	22600
30	154000	51700	30500	44900	---	168000	34800	81900	38500	24400	1600	23100
31	150000	---	33300	44500	---	167000	---	113000	---	25200	17800	---
TOTAL	6666700	2948100	1761000	1593700	2274500	5256000	2137700	1021860	2505400	1175700	325668	345452
MEAN	215100	98270	56810	51410	81230	169500	71260	32960	83510	37930	10510	11520
MAX	308000	149000	88700	77700	118000	197000	161000	113000	136000	52000	29900	23100
MIN	46800	41500	29800	21500	48400	145000	34800	8860	34700	10200	588	779
AC-FT13220000	5848000	3493000	3161000	4511000	10430000	4240000	2027000	4969000	2332000	646000	685200	
CAL YR 1986	TOTAL 22706500	MEAN 62210	MAX 308000	MIN 927	AC-FT 45040000							
WTR YR 1987	TOTAL 28011700	MEAN 76740	MAX 308000	MIN 588	AC-FT 55560000							

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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 S04) (00945)
NOV											
04.	1100	9827	9827	7.79	12.0	50	9.5	0.5	28	120	35
DEC											
02.	1015	9827	9827	7.92	10.0	35	10.9	0.8	92	120	--
JAN											
06.	1130	9827	9827	8.06	7.0	20	12.2	0.5	4	150	--
FEB											
03.	1110	9827	9827	8.26	8.0	20	12.9	1.8	<4	130	50
MAR											
03.	1045	9827	9827	--	11.0	--	--	--	92	--	--
31.	1230	9827	9827	7.95	12.0	50	9.7	0.2	40	130	48
MAY											
05.	1120	9827	9827	8.44	24.0	10	8.8	1.9	<4	160	51
JUN											
02.	1230	9827	9827	7.99	27.0	45	8.2	1.8	90	180	85
30.	1230	9827	9827	8.05	29.0	15	8.5	1.9	10	160	63
AUG											
04.	1100	9827	9827	8.74	31.0	8.4	8.8	3.3	8	170	90
SEP											
01.	1045	9827	9827	8.48	25.0	6.0	9.1	2.8	<4	190	110

DATE	TIME	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)	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)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)
NOV										
04.	1100	71	276	54	--	0.070	0.70	--	0.130	<1
DEC										
02.	1015	86	318	21	0.530	0.090	0.50	0.130	0.100	<1
JAN										
06.	1130	73	--	12	0.570	0.080	0.20	0.130	0.090	<1
FEB										
03.	1110	72	--	15	--	0.060	0.30	0.110	0.070	<1
MAR										
31.	1230	64	301	42	0.600	0.080	0.80	0.120	0.070	1
MAY										
05.	1120	140	409	14	--	--	1.2	0.070	0.080	<1
JUN										
02.	1230	170	498	52	0.350	0.110	0.80	0.160	0.090	<1
30.	1230	79	359	15	0.260	0.040	0.40	0.090	0.040	<1
AUG										
04.	1100	130	--	16	0.050	0.050	--	0.070	0.010	<1
SEP										
01.	1045	140	502	11	0.010	0.010	1.0	0.100	0.010	<1

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	BETA BENZENE HEXACHLORIDE TOTAL (UG/L) (39338)	DELTA BENZENE HEXACHLORIDE TOTAL (UG/L) (34259)
NOV 04.	1100	--	<15	4	--	10	--	--	--	--
DEC 02.	1015	10	<15	1	--	<10	--	--	--	--
JAN 06.	1130	<1	<15	2	--	20	--	--	--	--
FEB 03.	1110	<1	<15	1	--	10	<0.002	<0.01	<0.01	<0.01
MAR 31.	1230	41	<15	2	--	30	<0.002	<0.01	<0.01	<0.01
MAY 05.	1120	2	<15	<1	--	10	--	--	--	--
JUN 02.	1230	4	--	2	--	--	--	--	--	--
30.	1230	2	<15	<1	<0.50	--	<0.002	<0.01	<0.01	<0.01
AUG 04.	1100	3	21	1	--	10	--	--	--	--
SEP 01.	1045	<1	<15	<1	--	20	--	--	--	--

DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLORDANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDO-SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO-SULFAN BETA TOTAL (UG/L) (34356)	ENDO-SULFAN SULFATE TOTAL (UG/L) (34351)
FEB 03.	1110	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAR 31.	1230	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JUN 30.	1230	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06

DATE	TIME	ALACHLOR TOTAL RECOVER (UG/L) (77825)	MALATHION, TOTAL (UG/L) (39530)	CHLORPYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDEHYDE TOTAL (UG/L) (34366)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	TOXAPHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
FEB 03.	1110	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAR 31.	1230	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JUN 30.	1230	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3

DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METHOXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARATHION, TOTAL (UG/L) (39600)	DI-AZINON, TOTAL (UG/L) (39570)
FEB 03.	1110	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAR 31.	1230	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JUN 30.	1230	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

07263620 ARKANSAS RIVER AT DAVID D. TERRY LOCK AND DAM, BELOW LITTLE ROCK, ARK.
(National radiochemical station)
(National stream-quality accounting network)

LOCATION.--Lat 34°40'07", long 92°09'18", in sec.35, T.1 N., R.11 W., Pulaski County, Hydrologic Unit 11110207, at upper end of upstream wall at David D. Terry Lock and Dam, 10.7 mi downstream from Main Street bridge at Little Rock, and at mile 124.2.

DRAINAGE AREA.--158,288 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (FTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT 29.	1030	80513	80020	44000	330	7.80	17.5	77	9.5	99	763
DEC 04.	1030	80513	80020	59400	572	7.60	10.0	42	10.3	91	763
FEB 23.	0820	80513	80020	09000	660	7.90	8.0	15	10.2	86	763
APR 20.	1100	80513	80020	53900	660	8.00	18.0	15	8.3	88	761
JUN 24.	0830	80513	80020	40100	578	8.10	28.0	18	7.4	95	759
JUL 23.	0800	80513	80020	34700	845	8.60	29.5	1.5	8.0	106	760
DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI, FECAL, KF AGAR PER 100 ML (31673)	HARDNESS (MG/L AS CaCO3) (00900)	HARDNESS NONCARB WH TOT FLD MG/L AS CaCO3 (00902)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg) (00925)	SODIUM, DIS-SOLVED (MG/L AS Na) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)
OCT 29.	1030	80	260	97	17	29	5.8	29	39	1	3.5
DEC 04.	1030	18	36	140	53	39	9.4	71	52	3	3.7
FEB 23.	0820	960	740	150	50	41	11	72	51	3	3.2
APR 20.	1100	84	K76	140	57	41	10	72	52	3	2.8
JUN 24.	0830	K16	K20	150	51	42	11	55	44	2	3.5
JUL 23.	0800	11	28	190	73	53	15	95	51	3	4.2
DATE	TIME	ALKALINITY WH TOT FIELD MG/L AS CaCO3 (00410)	CARBONATE WH TOT FIELD MG/L AS CO3 (00445)	BICARBONATE WH TOT FIELD MG/L AS HCO3 (00440)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, 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)
OCT 29.	1030	80	0	100	27	41	0.20	7.2	193	193	0.26
DEC 04.	1030	83	0	100	53	110	0.20	7.9	347	345	0.47
FEB 23.	0820	98	0	120	64	110	0.20	6.8	363	368	0.49
APR 20.	1100	87	0	110	61	110	0.20	5.9	367	356	0.50
JUN 24.	0830	99	0	120	61	82	0.20	5.5	327	320	0.44
JUL 23.	0800	122	12	130	90	140	0.30	1.5	479	488	0.65

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WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)
OCT 29.	1030	--	<0.010	0.470	0.040	0.040	0.66	0.70	0.100	0.080	0.060
DEC 04.	1030	--	<0.010	0.540	0.090	0.060	0.71	0.80	0.170	0.080	0.060
FEB 23.	0820	--	<0.010	0.530	0.030	0.020	0.97	1.0	0.080	0.050	0.040
APR 20.	1100	0.570	0.010	0.580	0.040	0.040	0.66	0.70	0.100	0.040	0.030
JUN 24.	0830	--	<0.010	0.300	0.070	0.070	0.93	1.0	0.090	0.060	0.040
JUL 23.	0800	--	<0.010	<0.100	0.030	<0.010	0.77	0.80	0.070	0.020	<0.010

DATE	TIME	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	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)
OCT 29.	1030	64	80	1	<0.5	<1	<1	<3	13	53	<5
DEC 04.	1030	87	40	1	<0.5	<1	<1	<3	2	24	<5
APR 20.	1100	79	30	<1	<0.5	<1	<1	<3	<1	44	<5
JUL 23.	0800	110	<10	2	<0.5	<1	<1	<3	2	16	<5

DATE	TIME	LITHIUM	MANGANESE	MERCURY	MOLYBDENUM	NICKEL	SELENIUM	SILVER	STRONTIUM	ZINC	URANIUM
		DIS-SOLVED (UG/L AS LI) (01130)	DIS-SOLVED (UG/L AS MN) (01056)	DIS-SOLVED (UG/L AS HG) (71890)	DIS-SOLVED (UG/L AS MO) (01060)	DIS-SOLVED (UG/L AS NI) (01065)	DIS-SOLVED (UG/L AS SE) (01145)	DIS-SOLVED (UG/L AS AG) (01075)	DIS-SOLVED (UG/L AS SR) (01080)	DIS-SOLVED (UG/L AS ZN) (01090)	DIS-SOLVED, EXTRACTED (UG/L) (80020)
OCT 29	1030	6	<1	<0.1	<10	2	<1	<1	190	18	--
DEC 04	1030	8	14	<0.1	<10	2	<1	<1	290	23	--
FEB 23	0820	--	--	--	--	--	--	--	--	--	1.3
APR 20	1100	8	3	<0.1	<10	1	<1	<1	310	54	--
JUN 24	0830	--	--	--	--	--	--	--	--	--	1.1
JUL 23	0800	16	2	0.2	<10	<1	<1	<1	470	12	--

[illegible]

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 ¼ NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
04...	1500	9827	9827	7.86	17.0	50	9.6	0.6	60
DEC									
02...	1503	9827	9827	7.86	10.0	35	11.1	1.0	160
JAN									
06...	1501	9827	9827	8.12	9.0	20	12.5	0.4	92
FEB									
03...	1508	9827	9827	8.20	9.0	20	--	2.0	8
MAR									
03...	1450	9827	9827	7.98	11.0	40	11.8	1.9	110
31...	1511	9827	9827	8.01	12.0	50	11.1	1.6	10
MAY									
05...	1330	9827	9827	8.46	24.0	10	--	2.0	<4
JUN									
02...	1241	9827	9827	8.00	27.0	50	7.9	1.7	110
30...	1417	9827	9827	8.30	29.0	15	8.5	2.0	8
AUG									
04...	1211	9827	9827	8.87	33.0	6.5	7.9	2.3	4
SEP									
01...	0930	9827	9827	8.51	27.0	8.8	8.9	--	4
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- PENDE (MG/L) (00530)	NITRO- GEN, NO2+N03 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)
NOV									
04...	1500	110	37	72	--	61	0.510	0.040	0.70
DEC									
02...	1503	130	59	--	320	19	0.500	0.080	0.50
JAN									
06...	1501	140	--	--	290	12	0.540	0.050	0.20
FEB									
03...	1508	130	--	--	312	14	0.510	--	<0.10
MAR									
03...	1450	120	46	72	278	--	0.540	0.030	<0.10
31...	1511	130	--	67	310	55	0.610	0.110	--
MAY									
05...	1330	160	62	130	404	15	0.300	--	0.90
JUN									
02...	1241	180	80	140	455	79	0.400	0.030	0.70
30...	1417	160	63	77	344	18	0.260	0.030	0.60
AUG									
04...	1211	190	95	15	523	11	0.050	0.010	0.80
SEP									
01...	0930	190	88	150	489	19	0.010	0.010	0.60

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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)
NOV									
04...	1500	--	0.120	--	6	<15	5	--	10
DEC									
02...	1503	0.120	0.130	--	--	<15	1	--	--
JAN									
06...	1501	0.120	0.090	--	<1	<15	1	--	--
FEB									
03...	1508	0.120	0.090	--	38	<15	1	--	<10
MAR									
03...	1450	0.170	0.060	<1	<1	18	1	--	10
31...	1511	0.160	0.080	<1	3	<15	1	--	--
MAY									
05...	1330	0.070	0.060	<1	2	<15	<1	--	20
JUN									
02...	1241	0.180	0.080	<1	4	<15	<1	--	--
30...	1417	0.110	0.050	<1	<1	--	3	<0.50	--
AUG									
04...	1211	0.060	0.030	<1	2	15	<1	--	10
SEP									
01...	0930	0.110	0.020	1	<1	<15	3	--	20

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 ¼ NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, UM-WF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CAC03) (00900)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
NOV											
04.	1319	9827	9827	7.83	17.0	55	9.4	0.5	32	120	36
DEC											
02.	1354	9827	9827	7.98	10.0	35	11.3	0.9	150	130	57
JAN											
06.	1400	9827	9827	8.04	8.0	20	12.7	0.7	130	130	--
FEB											
03.	1402	9827	9827	8.20	9.0	20	13.7	1.9	40	130	--
MAR											
03.	1345	9827	9827	8.03	10.0	40	11.5	2.0	90	130	46
31.	1410	9827	9827	7.97	11.0	50	11.0	1.6	10	130	--
MAY											
05.	1225	9827	9827	8.55	24.0	7.7	--	2.5	8	160	62
JUN											
02.	1124	9827	9827	7.99	27.0	50	7.6	1.3	60	180	77
30.	1302	9827	9827	8.23	29.0	15	8.8	1.7	4	150	61
AUG											
04.	1120	9827	9827	8.87	32.0	7.2	8.2	3.1	8	190	96
SEP											
01.	1030	9827	9827	8.39	27.0	5.5	8.7	--	32	180	84

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)	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)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)
NOV										
04.	1319	72	--	66	0.520	0.040	0.70	--	0.130	--
DEC										
02.	1354	--	314	21	0.490	0.060	0.60	0.120	0.130	--
JAN										
06.	1400	--	278	14	0.540	0.070	0.20	0.120	0.090	<1
FEB										
03.	1402	--	324	16	0.510	--	0.20	0.140	0.100	--
MAR										
03.	1345	73	280	--	0.540	0.030	0.10	0.170	0.060	<1
31.	1410	69	322	67	0.600	0.110	0.30	0.160	0.090	<1
MAY										
05.	1225	140	402	11	0.290	--	0.90	0.060	0.060	<1
JUN										
02.	1124	130	440	155	0.430	0.050	0.60	0.190	0.090	<1
30.	1302	76	338	16	0.290	0.010	<0.10	0.110	0.050	<1
AUG										
04.	1120	150	529	15	0.040	0.010	0.90	0.080	0.040	<1
SEP										
01.	1030	150	482	11	0.020	0.010	0.80	0.100	0.020	1

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY, TOTAL RECOVERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	BETA BENZENE HEXACHLORIDE TOTAL (UG/L) (39338)	DELTA BENZENE HEXACHLORIDE TOTAL (UG/L) (34259)
NOV 04.	1319	6	<15	2	--	10	--	--	--	--
DEC 02.	1354	--	<15	<1	--	--	<0.002	<0.01	<0.01	<0.01
JAN 06.	1400	<1	<15	1	--	--	--	--	--	--
FEB 03.	1402	5	<15	1	--	<10	--	--	--	--
MAR 03.	1345	<1	19	1	--	10	<0.002	<0.01	<0.01	<0.01
31.	1410	3	<15	4	--	--	--	--	--	--
MAY 05.	1225	6	<15	<1	--	20	--	--	--	--
JUN 02.	1124	5	<15	<1	--	--	<0.002	<0.01	<0.01	<0.01
30.	1302	<1	--	2	<0.50	--	--	--	--	--
AUG 04.	1120	1	25	<1	--	10	--	--	--	--
SEP 01.	1030	1	<15	4	--	20	--	--	--	--

DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLORDANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI-ELDRIN TOTAL (UG/L) (39380)	ENDO-SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO-SULFAN BETA TOTAL (UG/L) (34356)	ENDO-SULFAN SULFATE TOTAL (UG/L) (34351)
DEC 02.	1354	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAR 03.	1345	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JUN 02.	1124	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06

DATE	TIME	ALACHLOR TOTAL RECOVER (UG/L) (77825)	MALATHION, TOTAL (UG/L) (39530)	CHLOR-PYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDEHYDE TOTAL (UG/L) (34366)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	TOXAPHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
DEC 02.	1354	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAR 03.	1345	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JUN 02.	1124	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3

DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METHOXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARATHION, TOTAL (UG/L) (39600)	DI-AZINON, TOTAL (UG/L) (39570)
DEC 02.	1354	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAR 03.	1345	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JUN 02.	1124	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

ARKANSAS RIVER BASIN

07263920 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (FTU) (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 S04) (00945)
NOV 04.	1000	9827	9827	6.66	14.0	8.0	0.7	1.9	60	32	6.0
DEC 02.	0915	9827	9827	6.50	9.0	9.0	7.8	1.1	32	14	--
JAN 06.	1015	9827	9827	6.78	5.0	15	11.4	0.7	100	16	--
FEB 03.	1005	9827	9827	6.73	10.0	30	9.2	2.5	410	18	8.0
MAR 03.	0930	9827	9827	--	10.0	15	9.9	1.6	20	14	6.0
MAR 31.	1100	9827	9827	7.04	10.0	25	10.4	1.6	210	12	6.0
MAY 05.	1030	9827	9827	7.35	24.0	4.3	1.4	1.5	76	28	3.0
JUN 02.	1115	9827	9827	6.42	26.0	55	3.5	2.8	900	12	5.0
JUN 30.	1340	9827	9827	7.04	29.0	7.6	1.1	1.7	--	32	4.0
AUG 04.	1005	9827	9827	7.19	32.0	9.6	1.5	3.1	290	40	4.0
SEP 01.	1245	9827	9827	6.89	25.0	7.0	1.8	3.7	8	24	3.0

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)	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)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD) (01027)
NOV 04.	1000	1.0	28	8	--	0.110	0.70	--	0.040	<1
DEC 02.	0915	6.5	34	4	0.110	0.050	0.50	0.040	0.030	<1
JAN 06.	1015	6.5	--	6	0.180	0.060	0.10	0.040	0.020	<1
FEB 03.	1005	8.0	--	13	--	0.010	<0.10	0.080	0.250	<1
MAR 03.	0930	--	23	7	0.150	0.030	0.50	0.060	0.020	<1
MAR 31.	1100	5.0	59	--	0.080	0.050	--	0.060	0.020	<1
MAY 05.	1030	5.0	60	5	--	--	0.90	0.050	0.100	1
JUN 02.	1115	4.0	48	33	0.220	0.150	1.1	0.200	0.080	<1
JUN 30.	1340	0.50	45	9	0.020	0.130	0.60	0.100	0.060	<1
AUG 04.	1005	6.0	--	6	0.040	0.070	1.9	0.100	0.240	<1
SEP 01.	1245	5.5	57	9	0.020	0.170	1.6	0.120	0.060	<1

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	BETA BENZENE HEXACHLORIDE TOTAL (UG/L) (39338)	DELTA BENZENE HEXACHLORIDE TOTAL (UG/L) (34259)
NOV 04.	1000	--	<15	4	--	<10	<0.002	<0.01	<0.01	<0.01
DEC 02.	0915	<1	<15	1	--	<10	--	--	--	--
JAN 06.	1015	<1	<15	1	--	20	<0.002	<0.01	<0.01	<0.01
FEB 03.	1005	<1	<15	1	--	10	--	--	--	--
MAR 03.	0930	<1	<15	<1	--	10	--	--	--	--
MAR 31.	1100	<1	<15	2	--	10	<0.002	<0.01	<0.01	<0.01
MAY 05.	1030	<1	<15	2	--	30	--	--	--	--
JUN 02.	1115	<1	--	<1	--	--	--	--	--	--
JUN 30.	1340	11	<15	1	<0.50	--	<0.002	<0.01	<0.01	<0.01
AUG 04.	1005	--	<15	<1	--	20	--	--	--	--
SEP 01.	1245	<1	<15	<1	--	20	--	--	--	--

DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLORDANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)
NOV 04.	1000	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JAN 06.	1015	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAR 31.	1100	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JUN 30.	1340	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06

DATE	TIME	ALACHLOR TOTAL RECOVER (UG/L) (77825)	MALATHION, TOTAL (UG/L) (39530)	CHLORPYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDEHYDE TOTAL (UG/L) (34366)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	TOXAPHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
NOV 04.	1000	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JAN 06.	1015	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAR 31.	1100	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JUN 30.	1340	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3

DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METHOXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARATHION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
NOV 04.	1000	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JAN 06.	1015	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAR 31.	1100	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JUN 30.	1340	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

ARKANSAS RIVER BASIN

07263935 BAYOU METO NEAR JACKSONVILLE, ARK.

LOCATION.--Lat 34°50'39", long 92°07'20", in NE ¼ SW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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 S04) (00945)
NOV											
04.	0925	9827	9827	7.21	15.0	40	0.3	6.9	1200	80	14
DEC											
02.	0850	9827	9827	6.73	9.0	25	5.6	3.6	460	22	--
JAN											
06.	0930	9827	9827	6.94	5.0	15	9.6	2.6	380	26	--
FEB											
03.	0920	9827	9827	6.93	10.0	30	8.0	3.9	1100	22	8.0
MAR											
03.	0900	9827	9827	--	10.0	--	--	--	120	--	--
31.	1015	9827	9827	7.01	10.0	20	8.7	2.0	330	22	8.0
MAY											
05.	0950	9827	9827	7.28	24.0	10	0.8	9.2	80	40	8.0
JUN											
02.	1030	9827	9827	6.74	26.0	55	2.0	6.0	390	18	6.0
30.	1415	9827	9827	7.18	29.0	20	2.6	7.2	100	34	7.0
AUG											
04.	0925	9827	9827	7.47	32.0	20	2.1	7.2	4	54	9.0
SEP											
01.	1340	9827	9827	7.26	26.0	20	4.9	2.1	56	44	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)	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)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)
NOV										
04.	0925	34	141	54	--	4.60	1.3	--	2.10	<1
DEC										
02.	0850	11	64	16	0.400	0.860	1.7	0.580	0.440	<1
JAN										
06.	0930	10	--	8	0.370	0.720	2.2	0.450	0.370	<1
FEB										
03.	0920	9.5	--	11	--	0.490	0.60	0.400	0.330	<1
MAR										
31.	1015	6.5	67	14	0.150	0.210	--	0.270	0.190	<1
MAY										
05.	0950	23	138	18	--	--	5.2	2.20	2.30	<1
JUN										
02.	1030	7.0	64	43	0.170	0.900	2.4	0.760	0.490	<1
30.	1415	13	100	25	2.50	0.080	4.0	1.90	1.30	<1
AUG										
04.	0925	31	--	25	0.280	3.00	4.6	2.90	2.20	<1
SEP										
01.	1340	27	165	25	0.430	2.10	3.1	2.00	1.60	<1

ARKANSAS RIVER BASIN

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07263935 BAYOU METO NEAR JACKSONVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	BETA BENZENE HEXA- CHLOR- IDE (UG/L) (39338)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)
NOV 04.	0925	--	<15	10	--	20	<0.002	<0.01	<0.01	<0.01
DEC 02.	0850	2	<15	4	--	20	--	--	--	--
JAN 06.	0930	<1	<15	2	--	30	<0.002	<0.01	<0.01	<0.01
FEB 03.	0920	<1	<15	2	--	40	--	--	--	--
MAR 31.	1015	2	<15	2	--	20	<0.002	<0.01	<0.01	<0.01
MAY 05.	0950	<1	16	<1	--	10	--	--	--	--
JUN 02.	1030	1	--	<1	--	--	--	--	--	--
JUN 30.	1415	9	<15	1	<0.50	--	<0.002	<0.01	<0.01	<0.01
AUG 04.	0925	5	16	<1	--	10	--	--	--	--
SEP 01.	1340	<1	<15	2	--	20	--	--	--	--
DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)
NOV 04.	0925	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JAN 06.	0930	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAR 31.	1015	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JUN 30.	1415	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
DATE	TIME	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	MALA- THION, TOTAL (UG/L) (39530)	CHLOR- PYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDE- HYDE TOTAL (UG/L) (34366)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
NOV 04.	0925	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JAN 06.	0930	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAR 31.	1015	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JUN 30.	1415	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
NOV 04.	0925	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JAN 06.	0930	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAR 31.	1015	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JUN 30.	1415	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

07264000 BAYOU METO NEAR LONOKE, ARK.

LOCATION.--Lat 34°44'10", long 91°54'58", in SW ¼ 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.--Records good. Part of low flow is drainage from areas irrigated with ground water and from large minnow farm supplied with ground water.

AVERAGE DISCHARGE.--33 years, 292 ft³/s, 211,600 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, 1,760 ft³/s Mar. 4, gage height, 21.31 ft; no flow July 25-26, Aug. 14.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	13	233	97	82	1230	374	25	58	22	3.3	11
2	2.0	7.5	190	80	134	1390	368	19	75	12	.04	8.5
3	1.7	4.6	147	74	177	1560	334	17	248	11	.83	6.4
4	1.8	4.7	123	84	259	1720	295	16	280	12	4.3	6.5
5	1.7	17	103	102	290	1740	260	21	214	11	5.9	6.8
6	2.0	66	83	145	250	1620	227	28	133	11	4.3	6.9
7	10	150	65	191	195	1430	198	31	80	11	2.3	6.1
8	13	403	122	197	154	1210	167	30	47	16	1.1	4.7
9	13	487	615	188	129	976	138	22	30	19	.50	1.8
10	10	558	838	208	119	746	123	19	21	19	.11	1.2
11	12	649	953	270	108	572	105	14	15	16	.54	.69
12	9.1	658	1070	330	93	453	103	15	19	11	.56	.37
13	6.3	625	1200	332	87	367	99	13	18	13	.31	.47
14	5.8	556	1250	295	74	306	103	17	23	11	.00	1.5
15	7.2	461	1210	244	227	256	111	31	46	5.4	.01	2.1
16	9.0	351	1100	209	608	201	119	30	e60	4.9	6.8	55
17	8.3	250	935	188	776	193	118	33	e90	5.9	7.1	91
18	7.4	169	744	178	892	389	113	27	e110	5.6	2.2	175
19	7.3	119	559	172	1050	557	101	24	e95	2.9	3.8	196
20	7.1	98	406	190	1190	681	95	22	e80	2.6	11	194
21	6.6	78	281	231	1270	793	82	20	e60	2.6	18	147
22	6.4	65	207	223	1210	859	86	19	48	1.2	34	91
23	8.9	53	177	188	1090	845	82	24	41	1.0	35	57
24	81	41	164	157	919	829	71	61	34	.55	24	35
25	128	106	157	135	706	772	53	134	129	.00	17	28
26	217	208	164	115	552	765	41	243	180	.00	13	21
27	233	257	164	106	544	780	35	290	138	3.6	9.6	18
28	182	311	149	102	937	762	27	218	81	6.6	7.8	15
29	100	326	130	104	---	666	27	139	44	3.3	9.9	17
30	51	291	113	93	---	518	29	129	31	5.0	12	13
31	24	---	100	85	---	397	---	95	---	2.5	11	---
TOTAL	1174.6	7382.8	13752	5313	14122	25583	4084	1826	2528	248.65	246.30	1218.03
MEAN	37.9	246	444	171	504	825	136	58.9	84.3	8.02	7.95	40.6
MAX	233	658	1250	332	1270	1740	374	290	280	22	35	196
MIN	1.7	4.6	65	74	74	193	27	13	15	.00	.00	.37
AC-FT	2330	14640	27280	10540	28010	50740	8100	3620	5010	493	489	2420
CAL YR 1986	TOTAL 75576.08 MEAN 207 MAX 1250 MIN .83 AC-FT 149900											
WTR YR 1987	TOTAL 77478.08 MEAN 212 MAX 1740 MIN .00 AC-FT 153700											

e Estimated

ARKANSAS RIVER BASIN

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07265099 BAYOU METO NEAR BAYOU METO, ARK.

LOCATION.--Lat 34°12'07", long 91°31'50", in SE ¼ NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (FTU) (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 CAC03) (00900)
NOV										
04...	1159	9827	9827	7.40	17.0	40	5.1	0.9	44	100
DEC										
02...	1300	9827	9827	6.92	9.0	45	6.1	1.0	68	38
JAN										
06...	1308	9827	9827	7.22	7.0	40	10.0	1.5	32	32
FEB										
03...	1313	9827	9827	7.33	10.0	95	8.6	1.6	88	38
MAR										
03...	1251	9827	9827	7.13	12.0	15	7.2	1.5	90	20
31...	1318	9827	9827	7.33	12.0	60	6.2	1.4	30	34
MAY										
05...	1133	9827	9827	7.62	24.0	50	--	1.5	36	48
JUN										
02...	1031	9827	9827	7.32	27.0	75	3.7	2.5	20	70
30...	1214	9827	9827	7.99	30.0	5.6	5.6	3.4	28	52
AUG										
04...	1020	9827	9827	7.66	31.0	25	3.1	>5.7	24	88
SEP										
01...	1125	9827	9827	7.79	27.0	25	4.3	--	12	200

DATE	TIME	SULFATE DIS-SOLVED (MG/L AS S04) (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)	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)
NOV										
04...	1159	25	32	--	30	0.470	0.060	--	0.110	--
DEC										
02...	1300	39	--	113	23	0.140	0.080	0.220	0.180	--
JAN										
06...	1308	--	--	98	13	0.120	0.070	0.200	0.140	<1
FEB										
03...	1313	--	--	143	65	0.200	--	0.270	0.340	--
MAR										
03...	1251	8.0	3.5	115	--	0.160	0.110	0.330	0.200	<1
31...	1318	--	8.5	138	27	0.220	0.090	0.310	0.220	<1
MAY										
05...	1133	11	13	153	26	0.220	--	0.230	0.200	<1
JUN										
02...	1031	15	22	160	65	0.400	0.230	0.280	0.160	<1
30...	1214	11	11	127	42	0.370	0.040	0.230	0.090	<1
AUG										
04...	1020	9.0	18	184	21	0.040	0.020	0.170	0.070	<1
SEP										
01...	1125	12	41	309	36	0.270	0.140	0.180	0.090	<1

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	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)	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)
NOV										
04...	1159	3	<15	5	--	10	--	--	--	--
DEC										
02...	1300	--	<15	2	--	--	<0.002	<0.01	<0.01	<0.01
JAN										
06...	1308	<1	<15	1	--	--	--	--	--	--
FEB										
03...	1313	<1	<15	2	--	10	--	--	--	--
MAR										
03...	1251	3	19	7	--	10	<0.002	<0.01	<0.01	<0.01
31...	1318	<1	<15	3	--	--	--	--	--	--
MAY										
05...	1133	3	<15	2	--	20	--	--	--	--
JUN										
02...	1031	5	<15	<1	--	--	<0.002	<0.01	<0.01	<0.01
30...	1214	1	--	5	<0.50	--	--	--	--	--
AUG										
04...	1020	1	<15	<1	--	10	--	--	--	--
SEP										
01...	1125	1	<15	3	--	20	--	--	--	--

DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)
DEC										
02...	1300	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAR										
03...	1251	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JUN										
02...	1031	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06

DATE	TIME	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	MALA- THION, TOTAL (UG/L) (39530)	CHLOR- PYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDE- HYDE TOTAL (UG/L) (34366)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
DEC										
02...	1300	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAR										
03...	1251	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JUN										
02...	1031	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3

DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
DEC										
02...	1300	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAR										
03...	1251	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JUN										
02...	1031	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

ARKANSAS RIVER BASIN

329

07265283 ARKANSAS RIVER AT DAM NO. 2, NEAR GILLETT, ARK.

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.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CAC03) (00900)
NOV										
04...	1053	9827	9827	7.78	18.0	55	9.3	0.6	36	110
DEC										
02...	1144	9827	9827	7.88	10.0	35	10.8	1.0	110	120
JAN										
06...	1150	9827	9827	7.98	7.0	20	12.4	0.6	36	120
FEB										
03...	1152	9827	9827	8.07	9.0	30	12.6	2.0	24	120
MAR										
03...	1145	9827	9827	8.02	10.0	45	10.9	1.5	190	120
31...	1155	9827	9827	7.91	11.0	50	10.3	1.5	20	130
MAY										
05...	1025	9827	9827	8.52	24.0	7.6	--	2.4	<4	160
JUN										
02...	0929	9827	9827	7.95	29.0	40	7.4	1.8	30	170
30...	1100	9827	9827	8.20	29.0	15	9.1	2.0	<4	150
AUG										
04...	0919	9827	9827	8.72	32.0	7.8	7.7	2.3	8	200
SEP										
01...	1220	9827	9827	8.44	26.0	6.0	8.7	--	8	180

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- 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)
NOV										
04...	1053	36	68	--	64	0.520	0.050	--	0.130	--
DEC										
02...	1144	55	--	294	23	0.460	0.060	0.140	0.130	--
JAN										
06...	1150	--	--	282	13	0.500	0.060	0.140	0.090	<1
FEB										
03...	1152	--	--	314	27	0.500	--	0.140	0.110	--
MAR										
03...	1145	42	66	267	--	0.510	0.030	0.160	0.070	<1
31...	1155	--	70	322	53	0.620	0.140	0.170	0.100	<1
MAY										
05...	1025	64	130	414	14	0.270	--	0.070	0.080	<1
JUN										
02...	0929	72	160	406	67	0.460	0.050	0.180	0.080	<1
30...	1100	63	76	356	16	0.350	0.010	0.110	0.060	<1
AUG										
04...	0919	98	160	546	13	0.060	0.030	0.070	0.050	<1
SEP										
01...	1220	19	140	464	15	0.060	0.120	0.110	0.040	3

ARKANSAS RIVER BASIN

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	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)	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)
NOV										
04...	1053	6	<15	4	--	10	<0.002	<0.01	<0.01	<0.01
DEC										
02...	1144	--	<15	2	--	--	--	--	--	--
JAN										
06...	1150	<1	<15	1	--	--	--	--	--	--
FEB										
03...	1152	2	<15	1	--	10	<0.002	<0.01	<0.01	<0.01
MAR										
03...	1145	<1	20	2	--	10	--	--	--	--
31...	1155	1	<15	<1	--	--	--	--	--	--
MAY										
05...	1025	3	<15	<1	--	20	<0.002	<0.01	<0.01	<0.01
JUN										
02...	0929	4	<15	<1	--	--	--	--	--	--
30...	1100	1	--	3	<0.50	--	--	--	--	--
AUG										
04...	0919	2	<15	<1	--	10	<0.002	<0.01	<0.01	<0.01
SEP										
01...	1220	54	<15	2	--	20	--	--	--	--
DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)
NOV										
04...	1053	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
FEB										
03...	1152	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAY										
05...	1025	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
AUG										
04...	0919	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
DATE	TIME	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	MALA- THION, TOTAL (UG/L) (39530)	CHLOR- PYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDE- HYDE TOTAL (UG/L) (34366)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
NOV										
04...	1053	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
FEB										
03...	1152	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAY										
05...	1025	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
AUG										
04...	0919	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
NOV										
04...	1053	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
FEB										
03...	1152	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAY										
05...	1025	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
AUG										
04...	0919	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

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 1986 TO SEPTEMBER 1987

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- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
NOV 24...	1300	80513	80020	31000	425	7.60	10.0	34	8.4	76
MAR 23...	1300	80513	80020	73000	380	7.50	13.5	50	9.6	94
MAY 27...	1300	80513	80020	90000	490	7.60	26.0	29	7.7	95
AUG 12...	1245	80513	80020	90000	458	8.10	30.5	18	7.1	95
DATE	TIME	BARO- METRIC PRES- SURE (MM HG) (00025)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS (MG/L AS CAC03) (00900)	HARD- NESS NONCARB WH WAT TOT FLD 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)
NOV 24...	1300	750	760	6800	160	42	43	13	20	21
MAR 23...	1300	751	180	120	130	39	36	10	19	24
MAY 27...	1300	760	240	1100	190	60	49	16	29	25
AUG 12...	1245	760	K27	K12	190	54	48	16	24	22
DATE	TIME	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	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 SiO2) (00955)
NOV 24...	1300	0.7	3.7	119	0	150	53	20	0.20	8.4
MAR 23...	1300	0.7	2.4	92	0	120	42	23	0.20	5.4
MAY 27...	1300	1	3.5	129	0	160	73	30	0.20	5.0
AUG 12...	1245	0.8	3.6	132	0	160	68	20	0.20	3.9
DATE	TIME	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITU- ENTS, 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)	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)
NOV 24...	1300	244	235	0.33	1.59	0.010	1.60	0.040	0.170	2.3
MAR 23...	1300	201	195	0.27	0.940	0.020	0.960	0.080	0.040	1.0
MAY 27...	1300	291	284	0.40	--	<0.010	1.20	0.060	0.030	0.84
AUG 12...	1245	274	264	0.37	--	<0.010	0.970	0.020	0.020	0.68

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
NOV 24...	1300	2.3	0.150	0.070	0.100	73	20	1	<0.5	<1
MAR 23...	1300	1.1	0.170	0.040	0.030	57	50	<1	<0.5	<1
MAY 27...	1300	0.90	0.170	0.070	0.050	82	30	1	<0.5	<1
AUG 12...	1245	0.70	0.210	0.080	0.070	77	20	2	<0.5	<1

DATE	TIME	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)
NOV 24...	1300	<1	<3	2	14	<5	11	38	<0.1
MAR 23...	1300	<1	<3	8	48	<5	7	10	<0.1
MAY 27...	1300	<1	<3	1	9	<5	15	2	<0.1
AUG 12...	1245	<1	<3	2	18	<5	<4	1	0.3

DATE	TIME	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 24...	1300	<10	2	<1	<1	190	10	131	91
MAR 23...	1300	<10	1	<1	<1	170	25	188	74
MAY 27...	1300	<10	<1	1	<1	250	6	120	93
AUG 12...	1245	<10	4	<1	1	220	12	81	94

RED RIVER BASIN

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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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT									
14.	1100	9827	9827	8.08	18.0	240	7.5	0.9	70
NOV									
18.	1115	9827	9827	8.07	15.0	65	9.5	0.9	52
DEC									
16.	1100	9827	9827	8.00	10.0	60	10.9	1.6	--
JAN									
20.	1045	9827	9827	--	4.0	5.8	11.5	1.0	--
FEB									
17.	1050	9827	9827	8.28	8.0	55	10.3	1.2	390
MAR									
31.	1030	9827	9827	8.11	11.0	110	10.2	1.4	50
APR									
14.	1030	9827	9827	8.26	17.0	60	9.1	2.7	60
MAY									
19.	1150	9827	9827	8.11	28.0	10	7.1	2.5	<4
JUN									
16.	1100	9827	9827	8.15	26.0	160	6.9	0.8	28
JUL									
14.	1100	9827	9827	8.17	27.0	170	7.0	1.1	20
AUG									
18.	1130	9827	9827	8.17	30.0	25	6.7	>5.7	16
SEP									
15.	1045	9827	9827	8.28	25.0	25	7.6	3.4	8

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)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
14.	1100	310	--	280	905	413	0.180	0.070	0.280
NOV									
18.	1115	290	--	240	--	132	0.440	0.020	0.130
DEC									
16.	1100	260	--	210	--	89	0.390	0.030	0.170
JAN									
20.	1045	270	170	200	718	151	0.420	0.070	0.170
FEB									
17.	1050	350	190	240	930	97	0.470	0.070	0.140
MAR									
31.	1030	340	--	250	--	159	0.500	0.060	0.170
APR									
14.	1030	340	89	200	774	109	0.260	0.050	0.200
MAY									
19.	1150	350	--	210	--	50	<0.010	--	0.090
JUN									
16.	1100	310	150	--	754	267	0.330	0.080	0.230
JUL									
14.	1100	280	14	160	621	311	0.280	0.170	0.190
AUG									
18.	1130	300	49	220	735	4	0.080	0.020	--
SEP									
15.	1045	350	160	23	826	50	0.030	0.010	0.120

RED RIVER BASIN

07336860 RED RIVER NEAR FOREMAN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
14.	1100	0.060	<1	17	35	43	--	--
NOV								
18.	1115	0.060	<1	11	<15	3	--	60
DEC								
16.	1100	0.050	<1	7	18	3	--	--
JAN								
20.	1045	0.050	<1	12	<15	8	--	--
FEB								
17.	1050	0.050	<1	--	15	<1	--	20
MAR								
31.	1030	0.050	1	45	20	260	--	100
APR								
14.	1030	0.030	<1	3	<15	<1	--	50
MAY								
19.	1150	0.040	<1	3	<15	<1	--	<10
JUN								
16.	1100	0.060	<1	7	15	5	--	20
JUL								
14.	1100	0.150	1	5	--	--	0.50	20
AUG								
18.	1130	0.050	--	<1	<15	--	--	30
SEP								
15.	1045	--	--	4	<15	6	--	--

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LOCATION.--Lat 33°33'07", long 94°02'28", in NW $\frac{1}{4}$ SW $\frac{1}{4}$ 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.

WATER-DISCHARGE RECORDS

REVISED RECORDS.--WSP 1211: Drainage area.

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.

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.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8990	34900	25800	9300	15300	39500	32300	6170	39300	57400	10500	4140
2	7280	33400	25600	9090	15200	43600	30900	5690	47500	57500	10500	4040
3	6590	29200	25000	9450	15400	48000	27500	5020	53500	58000	10500	4000
4	6420	27400	24100	10300	15400	49100	23700	4680	57400	56200	8470	3880
5	6810	28900	23700	10900	15200	51700	21800	4560	55400	50900	7230	3820
6	9180	30100	21900	11200	15000	54300	18500	4420	55700	45100	6400	3870
7	11100	27600	18600	9910	14800	57300	15900	3960	56800	44700	6260	3920
8	12500	27600	18100	8370	14700	55500	15000	3710	54500	48500	6570	3840
9	15300	26900	19200	8080	14400	52500	14200	3680	52800	49600	6600	3870
10	17500	28500	19100	10500	15500	49700	11900	4890	53600	49100	6590	3660
11	21200	31300	19800	16000	18500	45400	9900	6020	55000	48600	6550	3350
12	31500	34400	24900	22000	19800	42400	9020	5990	57000	45600	6540	3030
13	34500	33300	27500	21500	22600	42600	8600	5530	57200	39100	6630	2760
14	33600	31300	25900	20200	24800	45600	8200	4920	56500	32400	6670	3220
15	32200	29200	23600	19900	24500	44500	7650	4610	56400	29600	6410	3680
16	32400	26600	21300	19200	22800	37300	6190	4430	57500	27300	6280	3840
17	33300	22700	19800	17400	20100	39900	5600	4600	57800	20300	6250	3900
18	34100	19700	19500	16400	19100	59300	7060	4610	58800	15700	6140	4430
19	31900	18000	21000	16900	20000	67600	8110	3810	59700	14200	5930	6790
20	28200	17900	21500	22700	23800	64200	8220	3550	58900	13600	5330	7890
21	25600	17700	20800	27300	25900	54700	8070	3980	59000	13100	5030	7740
22	24700	17600	20300	26800	24400	48500	7790	3950	61100	12200	4860	8630
23	24500	16600	18500	25900	23600	45800	7160	3810	63600	11500	4730	8610
24	21300	14700	16400	25300	24000	43700	7140	3690	62000	11300	4630	7010
25	18300	14800	15000	22300	24500	39900	7040	3660	62300	11200	4540	5880
26	16700	16000	13400	19200	25300	36800	7830	3650	61700	11000	4500	6110
27	21200	23300	12100	17900	26600	35300	7610	3840	59000	10900	4150	6490
28	32700	31300	11400	17700	31100	34900	6690	4290	57900	10900	3820	6370
29	35900	30100	9740	16700	---	33700	6380	5220	56700	10700	4000	5500
30	35600	27800	9540	15700	---	33300	6290	7040	56700	10600	4390	5140
31	34800	---	9860	15500	---	32900	---	24000	---	10500	4380	---
TOTAL	705870	768800	602940	519600	572300	1429500	362250	161980	1701300	927300	191380	149410
MEAN	22770	25630	19450	16760	20440	46110	12070	5225	56710	29910	6174	4980
MAX	35900	34900	27500	27300	31100	67600	32300	24000	63600	58000	10500	8630
MIN	6420	14700	9540	8080	14400	32900	5600	3550	39300	10500	3820	2760
AC-FT	1400000	1525000	1196000	1031000	1135000	2835000	718500	321300	3375000	1839000	379600	296400
CAL YR 1986	TOTAL 5433040		MEAN 14890	MAX 46900								
WTR YR 1987	TOTAL 8092630		MEAN 22170	MAX 67600	MIN 2760	AC-FT 16050000						

RED RIVER BASIN

07337000 RED RIVER AT INDEX, ARK.--CONTINUED

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	STREAM-FLOW, INSTANTANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (FTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PERCENT SATURATION) (00301)	BAROMETRIC PRESSURE (MM OF HG) (00025)
OCT 21...	1330	80513	80020	5000	1550	7.80	20.5	750	8.0	89	763
DEC 09...	0930	80513	80020	9200	1290	7.92	10.5	74	10.3	93	757
FEB 10...	1415	80513	80020	5400	1550	8.10	10.0	35	10.6	95	760
APR 28...	0800	80513	80020	6710	1580	8.30	22.0	15	9.1	105	763
JUN 29...	1400	80513	80020	5400	1110	7.80	27.0	160	6.9	88	754
JUL 29...	1220	80513	80020	1100	1150	8.20	29.0	32	7.7	101	760
DATE	TIME	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARDNESS (MG/L AS CAC03) (00900)	HARDNESS NONCARB WH WAT TOT FLD MG/L AS CAC03 (00902)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)
OCT 21...	1330	48	260	290	190	77	23	190	58	5	5.2
DEC 09...	0930	860	K4200	270	160	75	20	160	56	4	4.9
FEB 10...	1415	12	20	350	220	96	27	170	51	4	4.6
APR 28...	0800	K8	320	380	220	99	32	170	49	4	4.7
JUN 29...	1400	K28	K64	280	170	74	24	110	45	3	4.6
JUL 29...	1220	12	24	300	170	79	24	120	46	3	5.2
DATE	TIME	ALKALINITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CARBONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)	BICARBONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS-SOLVED (MG/L AS S04) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, 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 CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)
OCT 21...	1330	103	0	130	180	290	0.30	1.7	871	831	1.18
DEC 09...	0930	107	0	130	180	250	0.30	6.5	760	763	1.03
FEB 10...	1415	133	0	170	230	280	0.30	7.5	905	898	1.23
APR 28...	0800	160	0	200	220	260	0.30	3.8	886	889	1.20
JUN 29...	1400	114	0	140	170	190	0.30	7.6	658	648	0.89
JUL 29...	1220	128	0	150	180	170	0.30	7.4	647	663	0.88

RED RIVER BASIN

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07337000 RED RIVER AT INDEX, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	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)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)
OCT 21...	1330	<0.010	0.170	0.050	0.030	0.75	0.80	0.030	0.020	<0.010	200
DEC 09...	0930	<0.010	0.390	0.070	0.040	0.43	0.50	0.130	0.040	0.030	--
FEB 10...	1415	<0.010	0.440	0.050	0.040	0.65	0.70	0.090	0.030	0.030	170
APR 28...	0800	<0.010	<0.100	0.030	0.020	1.1	1.1	0.070	0.020	<0.010	180
JUN 29...	1400	<0.010	0.240	0.080	0.080	0.92	1.0	0.330	0.020	0.020	--
JUL 29...	1220	<0.010	<0.100	0.050	0.060	1.2	1.2	0.170	0.010	<0.010	170
DATE	TIME	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	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)
OCT 21...	1330	<10	1	<0.5	<1	<1	<3	4	6	<5	20
FEB 10...	1415	20	2	<0.5	<1	<1	<3	2	12	<5	24
APR 28...	0800	20	1	<0.5	<1	<1	<3	9	14	<5	15
JUL 29...	1220	20	2	<0.5	1	<1	<3	6	25	5	15
DATE	TIME	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	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 21...	1330	3	0.3	<10	4	<1	<1	880	15	851	50
DEC 09...	0930	--	--	--	--	--	--	--	--	329	64
FEB 10...	1415	7	0.1	<10	1	<1	<1	980	12	138	75
APR 28...	0800	8	0.2	<10	1	<1	<1	1000	24	80	89
JUN 29...	1400	--	--	--	--	--	--	--	--	619	85
JUL 29...	1220	4	0.2	<10	3	<1	<1	830	13	166	80

RED RIVER BASIN

07338720 MOUNTAIN FORK NEAR HATFIELD, ARK.

LOCATION.--Lat 34°30'12", long 94°25'50", in NE ¼ NE ¼ 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 WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT									
21.	0930	9827	9827	7.10	15.0	--	9.2	0.5	960
NOV									
24.	0830	9827	9827	7.09	10.0	6.5	10.4	1.6	--
DEC									
29.	0845	9827	9827	7.13	7.0	7.5	11.5	2.1	80
JAN									
27.	0930	9827	9827	7.18	0.0	8.5	--	1.9	72
MAR									
10.	1000	9827	9827	7.13	--	6.7	10.3	--	--
24.	0945	9827	9827	7.22	12.0	15	9.8	2.3	200
APR									
21.	1100	9827	9827	7.43	22.0	--	--	2.2	--
MAY									
12.	0950	9827	9827	7.52	22.0	8.5	--	1.3	24
JUN									
23.	1030	9827	9827	7.04	28.0	--	7.5	4.5	360
JUL									
07.	0945	9827	9827	6.93	26.0	4.0	7.1	2.4	120
AUG									
25.	1135	9827	9827	7.59	29.0	4.3	9.2	1.9	68
SEP									
22.	1225	9827	9827	7.28	25.0	6.0	8.5	1.4	230
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- PENDE (MG/L) (00530)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
21.	0930	4	11	3.5	54	--	0.150	--	--
NOV									
24.	0830	14	2.0	--	44	4	0.130	0.040	0.040
DEC									
29.	0845	12	2.0	3.0	39	--	0.150	0.060	0.030
JAN									
27.	0930	<12	2.0	2.5	34	3	0.170	0.040	0.030
MAR									
10.	1000	18	2.0	2.0	40	3	0.300	<0.010	0.050
24.	0945	12	4.0	3.5	32	8	0.310	0.040	0.060
APR									
21.	1100	18	6.0	3.5	30	3	0.030	0.010	0.030
MAY									
12.	0950	22	--	4.0	36	4	0.140	0.110	0.050
JUN									
23.	1030	12	1.0	2.0	31	3	0.070	<0.010	0.080
JUL									
07.	0945	12	--	3.0	--	3	0.030	0.010	0.080
AUG									
25.	1135	<12	2.0	4.0	24	<1	<0.010	0.010	0.060
SEP									
22.	1225	12	4.0	1.0	38	5	0.060	0.170	0.050

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								
21.	0930	0.010	<1	<1	<15	1	--	40
NOV								
24.	0830	0.010	<1	--	<15	2	--	30
DEC								
29.	0845	0.010	<1	1	<15	1	--	40
JAN								
27.	0930	0.030	<1	<1	--	<1	--	--
MAR								
10.	1000	0.010	<1	<1	<15	--	--	20
24.	0945	0.030	<1	<1	<15	--	--	<10
APR								
21.	1100	0.020	3	<1	43	10	--	50
MAY								
12.	0950	0.050	<1	--	<15	1	--	<10
JUN								
23.	1030	0.020	<1	--	<15	<1	--	--
JUL								
07.	0945	0.020	<1	1	--	1	0.40	10
AUG								
25.	1135	0.010	<1	--	<15	--	--	20
SEP								
22.	1225	0.060	--	<1	<15	9	--	--

RED RIVER BASIN

07339450 DEQUEEN LAKE NEAR DEQUEEN, ARK.

LOCATION.--Lat 34°05'53", long 94°22'51", in SW ¼ NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	
OCT										
15...	0818	80513	80020	0.0	41	6.50	21.5	4.9	1.30	
15...	0820	80513	80020	10.0	41	6.50	21.5	4.7	--	
15...	0822	80513	80020	20.0	41	6.50	21.5	4.6	--	
15...	0824	80513	80020	30.0	41	6.40	21.5	3.8	--	
15...	0826	80513	80020	40.0	70	6.30	20.5	0.3	--	
15...	0828	80513	80020	50.0	75	6.40	20.0	0.2	--	
15...	0830	80513	80020	60.0	95	6.40	19.0	0.2	--	
15...	0832	80513	80020	65.0	129	6.50	18.0	0.2	--	
15...	0834	80513	80020	70.0	166	6.50	17.5	0.2	--	
NOV										
04...	0930	80513	80020	0.0	40	6.52	19.0	6.4	0.91	
04...	0932	80513	80020	10.0	40	6.56	19.0	6.3	--	
04...	0934	80513	80020	20.0	39	6.52	19.0	6.3	--	
04...	0936	80513	80020	30.0	40	6.49	19.0	5.2	--	
04...	0938	80513	80020	40.0	40	6.45	18.5	4.4	--	
04...	0940	80513	80020	50.0	46	6.33	18.5	0.6	--	
04...	0942	80513	80020	60.0	48	6.25	18.0	0.7	--	
04...	0944	80513	80020	70.0	142	6.29	17.5	0.3	--	
DEC										
09...	0900	80513	80020	0.0	35	5.92	11.5	9.7	1.50	
09...	0902	80513	80020	10.0	35	6.19	11.5	9.5	--	
09...	0904	80513	80020	20.0	35	6.27	11.5	9.3	--	
09...	0906	80513	80020	30.0	35	6.29	11.5	9.2	--	
09...	0908	80513	80020	40.0	36	6.40	11.5	9.1	--	
09...	0910	80513	80020	50.0	35	6.38	11.0	9.2	--	
09...	0912	80513	80020	60.0	36	6.38	11.0	9.0	--	
09...	0914	80513	80020	70.0	36	6.35	11.0	8.8	--	
JAN										
13...	1320	80513	80020	0.0	34	6.97	8.0	12.2	1.90	2
13...	1321	80513	80020	3.00	34	6.94	7.5	11.8	--	--
13...	1322	80513	80020	10.0	34	6.93	7.5	11.4	--	--
13...	1323	80513	80020	14.0	33	6.92	7.5	11.2	--	7
13...	1324	80513	80020	20.0	33	6.91	7.5	11.1	--	--
13...	1325	80513	80020	30.0	34	6.88	7.5	11.0	--	--
13...	1326	80513	80020	40.0	34	6.86	7.5	10.9	--	--
13...	1327	80513	80020	50.0	33	6.86	7.5	10.8	--	--
13...	1328	80513	80020	56.0	33	6.84	7.5	10.6	--	9
13...	1329	80513	80020	70.0	34	6.79	7.0	10.1	--	--

RED RIVER BASIN

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07339450 DEQUEEN LAKE NEAR DEQUEEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	TUR- BIO- ITY (FTU) (00076)	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)	SULFATE DIS- SOLVED (MG/L AS S04) (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)
JAN											
13...	1321	--	--	--	--	--	--	0.100	0.010	<0.010	--
13...	1323	2.7	0.9	10	11	6.2	4.4	0.100	0.010	<0.010	70
13...	1328	3.4	0.9	9	10	5.1	5.0	0.200	0.010	<0.010	90

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)
JAN										
13...	1323	<1	<10	4	160	<5	10	<0.10	3	<10
13...	1328	<1	<10	3	170	<5	20	<0.10	2	<10

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
FEB									
11...	0900	80513	80020	0.0	32	6.39	9.5	11.6	1.80
11...	0901	80513	80020	10.0	32	6.50	9.5	11.5	--
11...	0902	80513	80020	20.0	33	6.52	9.0	11.3	--
11...	0903	80513	80020	30.0	33	6.53	8.5	11.0	--
11...	0904	80513	80020	40.0	33	6.53	8.0	10.6	--
11...	0905	80513	80020	50.0	33	6.49	8.0	10.3	--
11...	0906	80513	80020	60.0	33	6.48	7.5	9.8	--
11...	0907	80513	80020	70.0	32	6.47	7.0	9.2	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
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MAR									
02...	1600	80513	80020	0.0	31	6.99	13.0	10.9	0.55
02...	1605	80513	80020	2.00	31	6.93	13.0	10.6	--
02...	1610	80513	80020	3.00	31	6.94	12.5	10.4	--
02...	1615	80513	80020	4.00	31	6.96	11.0	10.7	--
02...	1618	80513	80020	8.00	30	6.94	10.0	10.5	--
02...	1621	80513	80020	10.0	31	6.92	10.0	10.4	--
02...	1622	80513	80020	20.0	32	6.92	9.5	10.4	--
02...	1623	80513	80020	30.0	32	6.93	9.5	10.4	--
02...	1624	80513	80020	40.0	31	6.90	9.0	10.3	--
02...	1625	80513	80020	50.0	32	6.91	9.0	10.3	--
02...	1626	80513	80020	60.0	32	6.89	9.0	10.3	--
02...	1627	80513	80020	70.0	31	6.86	8.5	9.6	--
02...	1628	80513	80020	77.0	31	6.81	8.0	9.1	--

RED RIVER BASIN

07339450 DEQUEEN LAKE NEAR DEQUEEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, O.7 UM-WF (COLS./ 100 ML) (31625)
APR										
29.	0800	80513	80020	0.0	32	8.52	22.0	10.5	1.30	0
29.	0801	80513	80020	3.00	32	8.56	22.0	10.2	--	--
29.	0803	80513	80020	10.0	31	8.56	22.0	10.0	--	--
29.	0805	80513	80020	12.0	30	8.30	22.0	9.3	--	--
29.	0807	80513	80020	13.0	30	7.90	20.0	8.4	--	--
29.	0810	80513	80020	14.0	30	7.70	18.0	7.5	--	--
29.	0812	80513	80020	15.0	30	7.44	17.0	7.2	--	--
29.	0814	80513	80020	16.0	30	7.23	16.5	6.9	--	--
29.	0816	80513	80020	20.0	30	7.21	15.5	7.0	--	--
29.	0818	80513	80020	25.0	30	7.15	14.5	6.8	--	--
29.	0820	80513	80020	30.0	30	7.07	13.5	6.6	--	--
29.	0822	80513	80020	40.0	31	6.98	13.0	6.4	--	--
29.	0824	80513	80020	50.0	32	6.90	12.5	5.9	--	--
29.	0825	80513	80020	56.0	31	6.83	12.5	5.4	--	--
29.	0826	80513	80020	60.0	34	6.74	12.5	4.8	--	--
29.	0828	80513	80020	70.0	36	6.55	12.0	3.1	--	--

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
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APR									
29.	0810	18	3.2	1.8	9	2.1	1.0	9	5.6
29.	0825	27	5.0	1.6	9	2.1	0.90	10	5.9

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 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)
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APR									
29.	0801	--	<0.100	0.020	0.010	--	--	--	--
29.	0810	1.9	<0.100	0.020	0.010	50	<1	<10	3
29.	0825	2.1	0.200	0.030	0.010	130	<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)
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APR									
29.	0801	--	--	--	--	--	--	13.0	0.200
29.	0810	150	6	20	0.10	4	<10	--	--
29.	0825	420	5	140	0.10	4	<10	--	--

RED RIVER BASIN

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07339450 DEQUEEN LAKE NEAR DEQUEEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
MAY									
14...	1645	80513	80020	0.0	33	8.78	29.5	9.5	1.20
14...	1647	80513	80020	3.00	33	9.01	28.5	9.5	--
14...	1648	80513	80020	4.00	35	9.16	26.5	10.2	--
14...	1650	80513	80020	7.00	33	9.09	25.5	9.7	--
14...	1652	80513	80020	10.0	29	8.65	24.0	8.4	--
14...	1654	80513	80020	11.0	28	8.16	22.5	6.6	--
14...	1656	80513	80020	12.0	29	7.85	21.5	5.6	--
14...	1658	80513	80020	13.0	29	7.56	20.5	5.1	--
14...	1700	80513	80020	15.0	28	7.38	19.0	5.2	--
14...	1702	80513	80020	17.0	27	7.25	17.0	5.2	--
14...	1704	80513	80020	18.0	28	7.14	16.0	5.3	--
14...	1706	80513	80020	20.0	27	7.06	15.5	5.6	--
14...	1708	80513	80020	25.0	27	6.99	14.5	5.5	--
14...	1710	80513	80020	30.0	29	6.91	13.5	5.0	--
14...	1712	80513	80020	40.0	29	6.75	13.0	4.5	--
14...	1714	80513	80020	50.0	28	6.67	13.0	4.2	--
14...	1716	80513	80020	60.0	32	6.58	12.5	3.2	--
14...	1718	80513	80020	67.0	36	6.43	12.5	1.3	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUN								
02...	0845	80513	80020	0.0	34	6.46	26.5	8.0
02...	0846	80513	80020	3.00	33	6.44	26.5	7.8
02...	0848	80513	80020	9.00	34	6.60	25.5	6.5
02...	0850	80513	80020	10.0	35	6.46	24.5	4.2
02...	0852	80513	80020	13.0	36	6.25	23.5	2.5
02...	0854	80513	80020	15.0	37	6.11	23.0	1.5
02...	0856	80513	80020	16.0	36	6.04	22.0	0.6
02...	0858	80513	80020	18.0	35	5.95	21.0	0.3
02...	0900	80513	80020	19.0	34	5.94	20.0	0.7
02...	0902	80513	80020	20.0	32	5.94	18.5	1.5
02...	0904	80513	80020	21.0	31	5.97	17.5	2.1
02...	0906	80513	80020	22.0	32	6.02	17.0	2.6
02...	0908	80513	80020	23.0	32	6.00	16.5	2.5
02...	0910	80513	80020	25.0	32	6.03	15.5	3.0
02...	0912	80513	80020	30.0	32	6.06	14.5	2.8
02...	0914	80513	80020	40.0	35	6.01	13.5	1.6
02...	0916	80513	80020	50.0	33	6.05	13.5	1.6
02...	0918	80513	80020	60.0	33	6.10	13.0	1.3
02...	0920	80513	80020	69.0	38	6.07	13.0	0.2

DATE	TIME	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, ORTHOPHOS- PHATE 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...	0845	2.00	--	--	--	--	--
02...	0846	--	<0.100	0.010	<0.010	12.0	0.800

RED RIVER BASIN

07339450 DEQUEEN LAKE NEAR DEQUEEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

		AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)		
JUL											
07...	0915	80513	80020	0.0	36	6.90	28.0	6.9	1.60		
07...	0916	80513	80020	3.00	36	6.92	28.0	6.9	--		
07...	0918	80513	80020	10.0	36	6.59	28.0	5.2	--		
07...	0920	80513	80020	14.0	37	6.31	27.0	3.6	--		
07...	0921	80513	80020	15.0	37	6.14	26.5	1.2	--		
07...	0922	80513	80020	16.0	41	6.10	24.0	0.2	--		
07...	0923	80513	80020	17.0	43	6.12	23.5	0.1	--		
07...	0924	80513	80020	18.0	43	6.13	22.5	0.1	--		
07...	0925	80513	80020	19.0	42	6.12	21.5	0.1	--		
07...	0926	80513	80020	20.0	42	6.10	21.0	0.1	--		
07...	0927	80513	80020	21.0	39	6.04	19.5	0.1	--		
07...	0928	80513	80020	22.0	38	6.03	18.5	0.1	--		
07...	0929	80513	80020	24.0	37	6.01	17.5	0.1	--		
07...	0930	80513	80020	25.0	36	5.99	17.0	0.2	--		
07...	0931	80513	80020	27.0	35	5.92	16.0	0.2	--		
07...	0932	80513	80020	30.0	36	5.96	15.0	0.2	--		
07...	0933	80513	80020	38.0	39	6.04	14.0	0.2	--		
07...	0934	80513	80020	40.0	39	6.03	14.0	0.2	--		
07...	0935	80513	80020	50.0	39	6.05	14.0	0.2	--		
07...	0936	80513	80020	60.0	43	6.11	13.5	0.2	--		
07...	0937	80513	80020	66.0	64	6.32	13.5	0.2	--		
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
AUG											
04...	1855	80513	80020	0.0	37	8.24	32.0	7.9	2.10	3	--
04...	1856	80513	80020	3.00	37	8.21	32.0	7.9	--	--	--
04...	1857	80513	80020	9.00	37	7.88	31.0	7.7	--	--	--
04...	1858	80513	80020	10.0	37	7.99	30.5	7.6	--	--	--
04...	1859	80513	80020	11.0	37	7.51	30.0	7.2	--	--	--
04...	1900	80513	80020	13.0	37	6.94	29.5	5.2	--	--	5
04...	1901	80513	80020	14.0	37	6.48	28.5	4.2	--	--	--
04...	1902	80513	80020	15.0	37	6.30	28.0	2.3	--	--	--
04...	1903	80513	80020	16.0	38	6.12	26.5	0.9	--	--	--
04...	1904	80513	80020	17.0	42	6.11	24.5	0.5	--	--	--
04...	1905	80513	80020	18.0	43	6.09	23.0	0.6	--	--	--
04...	1906	80513	80020	19.0	42	6.09	21.5	0.6	--	--	--
04...	1907	80513	80020	20.0	41	6.07	20.5	0.6	--	--	--
04...	1908	80513	80020	21.0	40	6.04	19.0	0.6	--	--	--
04...	1909	80513	80020	22.0	40	6.01	18.5	0.6	--	--	--
04...	1910	80513	80020	24.0	41	6.06	17.0	0.6	--	--	--
04...	1911	80513	80020	26.0	42	6.10	16.0	0.6	--	--	--
04...	1912	80513	80020	30.0	43	6.14	15.0	0.6	--	--	--
04...	1913	80513	80020	40.0	51	6.23	14.5	0.6	--	--	--
04...	1914	80513	80020	50.0	50	6.26	14.0	0.6	--	--	--
04...	1915	80513	80020	54.0	51	6.29	14.0	0.6	--	--	49
04...	1916	80513	80020	60.0	53	6.32	14.0	0.6	--	--	--
04...	1917	80513	80020	67.0	75	6.45	13.5	0.6	--	--	--
DATE	TIME	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	NITRO- GEN, N02+N03 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG											
04...	1856	--	--	--	--	--	--	--	<0.100	0.010	<0.010
04...	1900	1.3	1.6	10	2.4	1.0	13	5.3	<0.100	0.050	<0.010
04...	1915	10	1.0	9	2.3	0.90	21	20	<0.100	0.050	0.020

07339450 DEQUEEN LAKE NEAR DEQUEEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	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)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG											
04...	1900	20	<1	1	1	740	<5	30	<0.10	3	<10
04...	1915	80	2	<1	2	3400	<5	1000	<0.10	3	<10

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP								
01...	1530	80513	80020	0.0	39	6.97	28.0	7.7
01...	1531	80513	80020	3.00	38	6.99	28.0	7.5
01...	1532	80513	80020	10.0	38	6.99	27.5	7.5
01...	1533	80513	80020	20.0	39	6.60	26.5	2.7
01...	1534	80513	80020	21.0	43	6.10	23.0	0.4
01...	1535	80513	80020	22.0	44	6.02	21.5	0.4
01...	1536	80513	80020	23.0	43	6.03	19.0	0.3
01...	1537	80513	80020	24.0	44	6.07	18.5	0.3
01...	1538	80513	80020	25.0	44	6.12	17.5	0.2
01...	1539	80513	80020	26.0	48	6.19	16.5	0.2
01...	1540	80513	80020	27.0	49	6.28	16.0	0.2
01...	1541	80513	80020	30.0	49	6.33	15.0	0.2
01...	1542	80513	80020	37.0	55	6.51	14.5	0.2
01...	1543	80513	80020	40.0	56	6.52	14.0	0.2
01...	1544	80513	80020	50.0	56	6.57	14.0	0.2
01...	1545	80513	80020	60.0	63	6.56	13.5	0.2
01...	1546	80513	80020	65.0	68	6.59	13.5	0.2

DATE	TIME	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							
01...	1530	2.40	--	--	--	--	--
01...	1531	--	<0.100	0.020	<0.010	4.80	0.300

07339452 ROLLING FORK BELOW DEQUEEN LAKE NEAR DEQUEEN, ARK.

LOCATION.--Lat 34°05'51", long 94°22'50", in SW ¼ NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT											
15...	0800	80513	80020	41	6.30	21.5	8.5	--	--	--	--
NOV											
04...	0845	80513	80020	40	6.05	19.0	9.4	--	--	--	--
DEC											
09...	0915	80513	80020	34	6.42	11.0	11.2	--	--	--	--
JAN											
13...	1245	80513	80020	34	7.02	7.5	13.1	5	9	3.2	1.0
FEB											
11...	0830	80513	80020	33	6.10	8.0	12.2	--	--	--	--
MAR											
02...	1545	80513	80020	32	7.14	9.5	12.4	--	--	--	--
APR											
29...	0900	80513	80020	32	7.08	19.5	9.9	20	21	4.6	2.1
MAY											
14...	1615	80513	80020	29	7.17	24.0	9.3	--	--	--	--
JUN											
02...	0830	80513	80020	33	5.75	15.5	9.4	--	--	--	--
JUL											
07...	0845	80513	80020	37	6.54	26.5	7.1	--	--	--	--
AUG											
04...	2000	80513	80020	38	7.06	29.5	7.0	11	4	1.0	1.0
SEP											
01...	1605	80513	80020	39	6.95	27.0	8.5	--	--	--	--

DATE	TIME	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD (MG/L AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (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)
JAN											
13...	1245	10	--	--	11	6.4	5.0	0.100	0.010	<0.010	110
APR											
29...	0900	9	2.2	0.90	9	5.3	1.9	<0.100	0.030	0.010	100
AUG											
04...	2000	9	2.1	0.80	13	6.2	--	<0.100	0.030	<0.010	50

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)
JAN										
13...	1245	<1	<10	3	160	<5	20	<0.10	1	<10
APR										
29...	0900	<1	<10	2	370	9	120	0.10	5	10
AUG										
04...	2000	<1	<10	2	450	<5	110	<0.10	3	<10

RED RIVER BASIN

347

07339795 BEAR CREEK NEAR HORATIO, ARK.

LOCATION.--Lat 33°59'10", long 94°23'01", in NW ¼ SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
14...	1000	9827	9827	7.19	14.0	35	8.2	2.0	>600
NOV									
18...	1000	9827	9827	7.10	13.0	7.5	9.3	1.4	240
DEC									
16...	1000	9827	9827	7.29	8.0	20	10.6	2.4	--
JAN									
20...	0940	9827	9827	--	4.0	25	11.9	1.3	--
FEB									
17...	1000	9827	9827	7.28	7.0	30	9.8	4.4	410
MAR									
31...	0930	9827	9827	7.11	8.0	30	10.5	3.9	240
APR									
14...	0930	9827	9827	7.19	16.0	15	7.2	--	10
MAY									
19...	1040	9827	9827	7.43	23.0	10	3.9	6.8	--
JUN									
16...	1012	9827	9827	7.79	24.0	25	2.6	1.1	100
JUL									
14...	0945	9827	9827	6.69	23.0	15	5.0	2.8	130
AUG									
18...	0940	9827	9827	7.32	26.0	20	3.1	2.0	110
SEP									
15...	1000	9827	9827	7.08	23.0	7.8	3.6	1.3	200

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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
14...	1000	30	--	8.0	81	32	0.330	0.030	0.50
NOV									
18...	1000	26	--	5.0	--	6	0.580	0.030	0.80
DEC									
16...	1000	30	--	7.0	--	13	0.530	0.060	0.60
JAN									
20...	0940	26	10	6.5	85	16	0.290	0.090	0.40
FEB									
17...	1000	12	13	9.0	90	15	0.690	0.970	0.80
MAR									
31...	0930	24	--	6.5	--	21	0.390	0.470	--
APR									
14...	0930	30	7.0	8.0	67	21	1.90	0.010	0.80
MAY									
19...	1040	46	--	7.5	--	13	1.00	--	1.0
JUN									
16...	1012	48	14	--	154	24	1.00	0.140	1.0
JUL									
14...	0945	110	230	49	304	21	0.770	0.900	2.6
AUG									
18...	0940	54	20	53	237	19	0.400	0.080	2.2
SEP									
15...	1000	56	32	70	253	13	0.200	0.060	--

RED RIVER BASIN

07339795 BEAR CREEK NEAR HORATIO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
14...	1000	0.540	0.440	<1	4	29	17	--	--
NOV									
18...	1000	0.270	0.210	<1	1	<15	1	--	60
DEC									
16...	1000	0.320	0.210	<1	10	9	3	--	--
JAN									
20...	0940	0.120	0.070	<1	3	<15	5	--	--
FEB									
17...	1000	0.460	0.380	<1	--	<15	3	--	20
MAR									
31...	0930	0.200	0.120	<1	1	<15	<1	--	70
APR									
14...	0930	0.900	0.400	<1	<1	<15	<1	--	10
MAY									
19...	1040	0.540	0.390	<1	1	<15	1	--	<10
JUN									
16...	1012	1.60	1.30	<1	1	25	<1	--	40
JUL									
14...	0945	0.480	0.280	<1	1	--	--	<0.50	20
AUG									
18...	0940	--	4.60	--	3	<15	--	--	70
SEP									
15...	1000	5.90	--	--	4	--	14	--	--

RED RIVER BASIN

349

07340000 LITTLE RIVER NEAR HORATIO, ARK.

LOCATION.--Lat 33°55'10", long 94°23'15", in NE ¼ 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, 1934, 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.--57 years, 3,779 ft³/s, 2,738,000 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, 24,800 ft³/s Mar. 18, gage height, 26.21 ft; minimum daily, 256 ft³/s Sept. 7.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	428	656	1810	894	874	14500	5180	402	4210	570	1160	293
2	484	592	1810	761	914	11500	4540	323	4780	688	642	285
3	359	459	1480	947	2420	7250	4630	326	4600	1020	453	327
4	421	866	1430	1710	2350	9030	3460	284	5170	1080	517	292
5	525	3200	1650	1570	2050	9790	3810	290	4400	1130	461	409
6	2470	5370	1210	2270	1950	10300	3850	291	4070	843	598	325
7	1440	4290	692	3460	1860	10300	2940	348	3000	757	461	256
8	777	3510	769	3520	1540	7930	836	312	2640	656	684	262
9	615	2910	2620	3770	1060	6520	633	434	2640	703	399	266
10	662	2790	7980	5720	1560	7430	588	350	2020	508	298	341
11	699	7760	9270	5920	1380	5840	822	290	905	598	353	399
12	1110	8660	8020	5530	1570	4470	544	338	603	456	338	343
13	2040	6350	5360	5040	1430	1960	498	326	734	435	584	292
14	1500	5870	3030	5190	1060	1690	794	394	1030	487	391	257
15	1130	6320	2840	5270	1260	1290	1350	307	964	450	405	259
16	1150	3160	4580	5020	2930	719	1080	343	781	578	334	476
17	870	2400	4220	3870	2940	8610	745	307	949	487	281	778
18	867	2210	4520	2630	3130	23600	706	293	919	701	298	1390
19	765	1740	5680	3460	5740	20900	626	840	653	623	446	1040
20	692	1540	4820	4710	6220	14200	622	811	712	563	607	908
21	655	1390	2870	4770	5710	9950	588	940	575	581	675	921
22	572	1540	2270	5270	5000	10300	837	423	503	648	686	818
23	608	1030	2980	5060	4120	10300	765	607	611	858	382	1370
24	529	921	3790	4190	5560	10600	565	468	560	842	277	2220
25	651	1500	3480	2880	5000	12000	600	637	761	934	295	1430
26	554	2430	1520	2580	5350	12200	477	904	696	1000	288	1330
27	491	2600	1600	3580	7320	11700	373	894	709	984	398	1210
28	507	2330	941	2620	10200	9910	374	1370	613	1180	292	1130
29	495	2460	845	1870	---	5340	330	2910	526	2060	513	1100
30	548	1970	1270	1500	---	6130	516	3330	555	1620	365	1000
31	600	---	917	1690	---	8110	---	4010	---	1780	275	---
TOTAL	25214	88824	96274	107272	92498	284369	43679	24102	51889	25820	14156	21727
MEAN	813	2961	3106	3460	3303	9173	1456	777	1730	833	457	724
MAX	2470	8660	9270	5920	10200	23600	5180	4010	5170	2060	1160	2220
MIN	359	459	692	761	874	719	330	284	503	435	275	256
AC-FT	50010	176200	191000	212800	183500	564000	86640	47810	102900	51210	28080	43100

CAL YR 1986 TOTAL 1270060 MEAN 3480 MAX 22900 MIN 293 AC-FT 2519000
WTR YR 1987 TOTAL 875824 MEAN 2400 MAX 23600 MIN 256 AC-FT 1737000

RED RIVER BASIN

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT									
14.	1020	9827	9827	7.27	17.0	35	7.4	1.0	140
NOV									
18.	1030	9827	9827	7.19	14.0	8.0	9.5	0.8	40
DEC									
16.	1030	9827	9827	7.16	10.0	10	10.8	1.2	--
JAN									
20.	1000	9827	9827	--	6.0	20	11.7	--	--
FEB									
17.	1020	9827	9827	7.33	8.0	20	10.1	1.5	690
MAR									
31.	0950	9827	9827	7.49	11.0	15	10.4	1.2	40
APR									
14.	0950	9827	9827	7.53	17.0	7.5	8.6	1.5	80
MAY									
19.	1110	9827	9827	7.42	26.0	3.0	8.8	0.1	20
JUN									
16.	1030	9827	9827	7.48	28.0	10	6.5	0.9	20
JUL									
14.	1020	9827	9827	7.29	27.0	8.6	7.4	0.8	16
AUG									
18.	1015	9827	9827	6.89	29.0	4.5	7.5	0.9	40
SEP									
15.	1015	9827	9827	7.19	25.0	4.4	7.6	1.1	4
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- PENDE (MG/L) (00530)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
14.	1020	22	--	6.0	69	24	0.320	0.060	0.120
NOV									
18.	1030	28	--	3.5	--	7	0.290	0.070	0.130
DEC									
16.	1030	16	--	3.0	--	7	0.130	0.060	0.090
JAN									
20.	1000	20	6.0	6.5	69	11	0.150	0.060	0.050
FEB									
17.	1020	24	6.0	7.0	66	20	0.190	0.110	0.070
MAR									
31.	0950	14	--	5.0	--	13	0.140	0.060	0.050
APR									
14.	0950	28	6.0	17	61	8	0.200	0.030	0.090
MAY									
19.	1110	36	--	21	--	7	0.360	--	0.050
JUN									
16.	1030	24	4.0	--	72	6	0.240	0.030	0.100
JUL									
14.	1020	24	7.0	12	58	6	0.150	0.090	0.070
AUG									
18.	1015	18	1.0	11	56	4	0.100	0.040	--
SEP									
15.	1015	18	2.0	16	50	4	0.070	0.050	0.070

07340000 LITTLE RIVER NEAR HORATIO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
14.	1020	0.100	<1	<1	37	23	--	--
NOV								
18.	1030	0.040	<1	<1	<15	1	--	80
DEC								
16.	1030	0.030	1	1	<15	1	--	--
JAN								
20.	1000	0.030	<1	1	<15	2	--	--
FEB								
17.	1020	0.040	<1	--	<8	4	--	10
MAR								
31.	0950	0.030	<1	<1	<15	1	--	10
APR								
14.	0950	0.040	<1	3	<15	3	--	20
MAY								
19.	1110	0.090	<1	5	<15	1	--	<10
JUN								
16.	1030	0.070	<1	1	18	120	--	<10
JUL								
14.	1020	0.090	<1	12	--	--	0.80	30
AUG								
18.	1015	0.100	--	2	<15	--	--	20
SEP								
15.	1015	--	--	9	<15	6	--	--

RED RIVER BASIN

07340300 COSSATOT RIVER NEAR VANDERVOORT, ARK.
(Hydrologic bench-mark station)

LOCATION.--Lat 34°22'46", long 94°14'08", in SE ¼ NE ¼ 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.

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.--Water-discharge records good except estimated daily discharges, Mar. 17 to Apr. 14, which are fair.

AVERAGE DISCHARGE.--20 years, 194 ft³/s, 29.40 in/yr, 140,600 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 OUTSIDE PERIOD OF RECORD.--Flood of May 6, 1961, reached a stage of about 23.0 ft from information by local resident, discharge, about 48,000 ft³/s.

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)
Mar. 17	1230	*23,000	*17.04	No other peak greater than base discharge.			
Minimum discharge, 9.4 ft ³ /s Aug. 22-24, gage height, 1.83 ft.							

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	28	90	43	65	893	e160	23	87	36	36	75
2	28	28	76	38	109	491	e140	e20	68	24	25	44
3	25	27	65	107	107	321	e130	e20	82	23	20	30
4	111	361	55	198	98	227	e110	e20	94	22	17	22
5	207	367	46	155	88	170	e100	e20	66	19	15	18
6	107	196	43	132	81	145	e90	e35	52	19	14	15
7	74	138	47	111	74	116	e80	171	42	18	21	14
8	58	114	194	94	69	105	e75	75	34	17	116	14
9	47	95	480	344	65	95	e70	50	30	16	41	13
10	40	149	316	420	59	82	e65	38	29	16	116	20
11	33	699	217	267	56	74	e60	39	28	16	111	35
12	155	322	161	194	56	67	e60	84	51	14	44	21
13	145	196	122	158	50	61	e70	54	94	15	28	17
14	107	143	101	137	47	58	52	50	55	21	21	15
15	84	114	100	120	262	57	51	38	45	17	17	42
16	67	95	101	101	630	57	47	32	36	14	14	1300
17	57	79	103	87	351	10400	44	37	29	13	13	257
18	47	67	123	114	241	e2500	42	35	29	15	12	169
19	39	56	159	184	180	e900	40	29	27	17	12	188
20	35	53	157	183	155	e400	37	26	25	14	11	121
21	33	45	132	163	134	e290	35	24	26	13	10	81
22	32	42	111	148	128	e250	33	33	24	12	9.7	60
23	41	42	99	126	119	e210	31	62	22	19	9.4	45
24	63	44	90	112	131	e350	30	58	23	54	175	34
25	66	145	78	99	168	e260	29	100	22	48	86	28
26	58	302	68	87	229	e210	28	136	20	57	38	25
27	49	218	61	75	374	e170	27	78	18	31	32	22
28	42	164	55	70	1310	e160	25	208	17	24	41	20
29	34	126	51	67	---	e170	24	314	16	20	26	29
30	31	105	47	63	---	e220	24	172	20	20	34	24
31	29	---	45	57	---	e170	---	114	---	18	60	---
TOTAL	1966	4560	3593	4254	5436	19679	1809	2195	1211	682	1225.1	2798
MEAN	63.4	152	116	137	194	635	60.3	70.8	40.4	22.0	39.5	93.3
MAX	207	699	480	420	1310	10400	160	314	94	57	175	1300
MIN	22	27	43	38	47	57	24	20	16	12	9.4	13
AC-FT	3900	9040	7130	8440	10780	39030	3590	4350	2400	1350	2430	5550
CFSM	.71	1.70	1.29	1.53	2.17	7.08	.67	.79	.45	.25	.44	1.04
IN.	.82	1.89	1.49	1.77	2.26	8.17	.75	.91	.50	.28	.51	1.16

CAL YR 1986 TOTAL 50869.0 MEAN 139 MAX 2320 MIN 12 AC-FT 100900 CFSM 1.56 IN. 21.1
WTR YR 1987 TOTAL 49408.1 MEAN 135 MAX 10400 MIN 9.4 AC-FT 98000 CFSM 1.51 IN. 20.5

e Estimated

RED RIVER BASIN

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07340300 COSSATOT RIVER NEAR VANDERVOORT, ARK.--CONTINUED
(Hydrologic bench-mark station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1985 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
OCT 21.	1030	80513	80020	25	58	6.50	13.0	0.60	9.2	89	750
DEC 09.	1400	80513	80020	522	33	7.05	11.0	8.5	10.6	97	756
FEB 10.	1200	80513	80020	12	43	7.70	6.0	0.90	12.0	98	751
APR 28.	1130	80513	80020	36	56	7.50	21.0	1.0	8.9	102	750
JUN 29.	1200	80513	80020	16	66	6.90	27.0	0.70	7.5	97	740
JUL 29.	1000	80513	80020	3.2	62	6.80	28.0	8.0	6.9	90	745
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 WH WAT TOT FLD MG/L AS CAC03 (00900)	HARD- NESS NONCARB WH WAT TOT FLD 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)
OCT 21.	1030	8	K200	20	2	5.6	1.5	2.1	18	0.2	0.70
DEC 09.	1400	180	K750	9	2	2.0	0.90	1.8	29	0.3	0.70
FEB 10.	1200	0	1	15	0	4.1	1.2	2.2	23	0.3	0.60
APR 28.	1130	4	220	24	3	6.3	2.0	3.9	25	0.4	0.80
JUN 29.	1200	4	K14	25	0	7.0	1.8	2.4	17	0.2	0.80
JUL 29.	1000	35	47	22	0	6.3	1.5	2.6	20	0.3	0.80
DATE	TIME	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	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)
OCT 21.	1030	18	0	22	5.1	2.0	<0.10	7.8	36	36	0.05
DEC 09.	1400	7	0	7	7.7	1.7	<0.10	8.1	34	26	0.05
FEB 10.	1200	16	0	20	8.1	4.8	<0.10	8.4	47	39	0.06
APR 28.	1130	21	0	23	5.1	2.0	<0.10	7.8	30	39	0.04
JUN 29.	1200	25	0	30	5.6	2.1	<0.10	6.7	39	41	0.05
JUL 29.	1000	22	0	26	5.4	4.8	0.10	7.2	46	42	0.06

RED RIVER BASIN

07340300 COSSATOT RIVER NEAR VANDERVOORT. ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	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)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)
OCT 21.	1030	<0.010	<0.100	0.030	0.020	0.17	0.20	0.160	<0.010	<0.010	11
DEC 09.	1400	<0.010	<0.100	<0.010	0.010	--	0.30	0.020	<0.010	<0.010	--
FEB 10.	1200	<0.010	<0.100	<0.010	<0.010	--	0.50	<0.010	0.040	0.010	9
APR 28.	1130	<0.010	<0.100	0.010	<0.010	0.59	0.60	0.010	0.010	<0.010	18
JUN 29.	1200	<0.010	<0.100	0.020	0.050	0.28	0.30	0.010	0.040	0.020	--
JUL 29.	1000	<0.010	<0.100	<0.010	0.150	--	0.20	0.020	0.010	<0.010	14

DATE	TIME	ALUM- INUM, DIS- SOLVED (UG/L	ARSENIC DIS- SOLVED (UG/L	BERYL- LIUM, DIS- SOLVED (UG/L	CADMIUM DIS- SOLVED (UG/L	CHRO- MIUM, DIS- SOLVED (UG/L	COBALT, DIS- SOLVED (UG/L	COPPER, DIS- SOLVED (UG/L	IRON, DIS- SOLVED (UG/L	LEAD, DIS- SOLVED (UG/L	LITHIUM DIS- SOLVED (UG/L
		AS AL)	AS AS)	AS BE)	AS CD)	AS CR)	AS CO)	AS CU)	AS FE)	AS PB)	AS LI)
		(01106)	(01000)	(01010)	(01025)	(01030)	(01035)	(01040)	(01046)	(01049)	(01130)
OCT 21.	1030	<10	<1	<0.5	<1	<1	<3	1	13	5	<4
FEB 10.	1200	30	<1	<0.5	<1	<1	<3	2	37	<5	<4
APR 28.	1130	20	<1	<0.5	1	<1	<5	6	19	<5	<4
JUL 29.	1000	20	<1	<0.5	<1	<1	<3	2	57	<5	5

		MANGANESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYBDENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELENIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRONTIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM DIS-SOLVED, EXTRACTION (UG/L) (80020)
DATE	TIME									
OCT 21,	1030	6	<0.1	<10	2	<1	<1	18	27	--
DEC 09,	1400	--	--	--	--	--	--	--	--	0.01
FEB 10,	1200	4	0.2	<10	<1	<1	<1	17	8	--
APR 28,	1130	9	<0.1	<10	<1	<1	<1	32	9	--
JUN 29,	1200	--	--	--	--	--	--	--	--	<0.01
JUL 29,	1000	10	0.9	<10	<1	<1	<1	23	9	--

[illegible]

RED RIVER BASIN

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07340400 COSSATOT RIVER NEAR UMPIRE, ARK.

LOCATION.--Lat 34°18'00", long 94°11'00", in SE ¼ SW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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										
14...	0850	9827	9827	7.40	13.0	7.0	9.8	0.5	140	16
NOV										
18...	0840	9827	9827	7.15	13.0	3.0	10.2	0.6	8	16
DEC										
16...	0845	9827	9827	7.23	8.0	6.0	11.5	1.0	--	16
JAN										
20...	0845	9827	9827	--	4.0	6.0	12.8	0.3	--	12
FEB										
17...	0850	9827	9827	7.35	7.0	10	11.6	0.6	28	<12
MAR										
31...	0850	9827	9827	7.42	7.0	5.5	11.7	0.8	10	12
APR										
14...	0850	9827	9827	7.19	15.0	4.5	8.6	0.8	<10	16
MAY										
19...	0910	9827	9827	7.44	25.0	2.0	7.5	0.2	8	24
JUN										
16...	0900	9827	9827	7.44	22.0	3.0	7.1	1.0	8	16
JUL										
14...	0900	9827	9827	7.54	24.0	1.1	6.5	0.6	16	26
AUG										
18...	0900	9827	9827	7.29	27.0	1.4	5.7	0.8	8	22
SEP										
15...	0850	9827	9827	7.42	24.0	1.2	6.3	0.6	--	26

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- 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)
OCT										
14...	0850	--	3.0	31	8	0.030	0.020	0.020	0.030	<1
NOV										
18...	0840	--	1.0	--	2	0.070	0.010	0.010	0.010	<1
DEC										
16...	0845	--	2.5	--	4	0.040	0.120	0.080	0.020	<1
JAN										
20...	0845	5.0	3.0	49	5	0.050	0.020	0.010	0.010	<1
FEB										
17...	0850	6.0	3.0	42	5	0.070	0.030	0.040	0.010	<1
MAR										
31...	0850	--	3.0	--	6	0.020	0.020	0.030	0.010	<1
APR										
14...	0850	<1.0	1.5	28	5	0.020	0.010	0.040	<0.010	<1
MAY										
19...	0910	--	1.5	--	3	0.020	--	0.020	0.040	<1
JUN										
16...	0900	4.0	--	45	5	0.030	0.020	0.030	0.030	<1
JUL										
14...	0900	3.0	3.0	43	3	0.040	0.060	0.020	0.060	<1
AUG										
18...	0900	2.0	4.0	47	<1	0.080	0.020	--	0.010	--
SEP										
15...	0850	2.0	2.5	38	<1	0.040	0.010	0.010	--	--

RED RIVER BASIN

07340400 COSSATOT RIVER NEAR UMPIRE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	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)
OCT 14...	0850	<1	15	13	--	<0.002	<0.01	<0.01	<0.01	<0.002
NOV 18...	0840	6	<15	<1	60	--	--	--	--	--
DEC 16...	0845	1	<15	<1	--	--	--	--	--	--
JAN 20...	0845	1	<15	2	--	--	--	--	--	--
FEB 17...	0850	--	<15	2	10	--	--	--	--	--
MAR 31...	0850	1	<15	4	<10	<0.002	<0.01	<0.01	<0.01	<0.002
APR 14...	0850	<1	<15	2	20	--	--	--	--	--
MAY 19...	0910	<1	<15	1	<10	<0.002	<0.01	<0.01	<0.01	<0.002
JUN 16...	0900	<1	20	<1	10	--	--	--	--	--
JUL 14...	0900	1	--	--	10	--	--	--	--	--
AUG 18...	0900	1	<15	--	30	<0.002	<0.01	<0.01	<0.01	<0.002
SEP 15...	0850	1	<15	3	--	--	--	--	--	--

DATE	TIME	CHLOR- DANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)
OCT 14...	0850	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06	<0.01
MAR 31...	0850	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06	<0.01
MAY 19...	0910	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06	<0.01
AUG 18...	0900	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06	<0.01

DATE	TIME	MALA- THION, TOTAL (UG/L) (39530)	CHLOR- PYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDE- HYDE TOTAL (UG/L) (34366)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)	AROCLOR 1221 PCB TOTAL (UG/L) (39488)
OCT 14...	0850	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3	<0.4
MAR 31...	0850	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3	<0.4
MAY 19...	0910	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3	<0.4
AUG 18...	0900	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3	<0.4

RED RIVER BASIN

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07340400 COSSATOT RIVER NEAR UMPIRE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
OCT 14...	0850	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAR 31...	0850	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAY 19...	0910	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
AUG 18...	0900	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

07340450 GILLHAM LAKE NEAR GILLHAM, ARK.

LOCATION.--Lat 34°12'37", long 94°13'44", in SE ¼ SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
OCT									
15...	0945	80513	80020	0.0	38	6.60	21.5	4.4	1.10
15...	0947	80513	80020	10.0	39	6.50	21.5	4.1	--
15...	0949	80513	80020	20.0	39	6.40	21.5	3.9	--
15...	0951	80513	80020	30.0	37	6.40	21.5	3.9	--
15...	0953	80513	80020	40.0	49	6.20	21.0	0.3	--
15...	0955	80513	80020	50.0	68	6.20	20.5	0.2	--
15...	0957	80513	80020	60.0	81	6.30	20.0	0.2	--
15...	0959	80513	80020	62.0	96	6.40	19.0	0.2	--
15...	1001	80513	80020	64.0	112	6.40	18.5	0.2	--
15...	1003	80513	80020	67.0	125	6.50	18.0	0.2	--
NOV									
04...	1130	80513	80020	0.0	38	6.72	18.5	7.7	1.10
04...	1132	80513	80020	10.0	37	6.68	18.5	7.2	--
04...	1134	80513	80020	20.0	37	6.63	18.5	7.0	--
04...	1136	80513	80020	30.0	37	6.59	18.5	6.9	--
04...	1138	80513	80020	40.0	42	6.44	18.5	3.0	--
04...	1140	80513	80020	50.0	45	6.34	18.0	1.9	--
04...	1142	80513	80020	60.0	47	6.25	17.5	2.1	--
04...	1144	80513	80020	63.0	49	6.24	17.5	1.1	--
DEC									
09...	1000	80513	80020	0.0	31	6.68	11.0	9.7	1.50
09...	1002	80513	80020	10.0	33	6.68	11.0	9.7	--
09...	1004	80513	80020	20.0	33	6.67	11.0	9.7	--
09...	1006	80513	80020	30.0	33	6.72	11.0	9.6	--
09...	1008	80513	80020	40.0	33	6.66	11.0	9.6	--
09...	1010	80513	80020	50.0	33	6.66	11.0	9.5	--
09...	1012	80513	80020	60.0	32	6.52	10.0	8.3	--
09...	1014	80513	80020	66.0	32	6.40	10.0	8.2	--
JAN									
14...	0845	80513	80020	0.0	30	6.45	7.5	12.1	1.30
14...	0846	80513	80020	3.00	30	6.45	7.5	11.9	--
14...	0847	80513	80020	10.0	30	6.51	7.0	11.7	--
14...	0848	80513	80020	13.0	30	6.49	7.0	11.5	--
14...	0849	80513	80020	20.0	31	6.52	7.0	11.4	--
14...	0850	80513	80020	30.0	29	6.55	7.0	11.2	--
14...	0851	80513	80020	40.0	29	6.51	6.5	11.1	--
14...	0852	80513	80020	50.0	29	6.50	6.5	11.1	--
14...	0853	80513	80020	51.0	29	6.51	6.5	11.0	--
14...	0854	80513	80020	60.0	29	6.54	6.5	10.9	--
14...	0855	80513	80020	64.0	29	6.52	6.5	11.0	--

RED RIVER BASIN

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07340450 GILLHAM LAKE NEAR GILLHAM, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	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)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
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JAN									
14...	0845	2	--	--	--	--	--	--	--
14...	0848	--	9	2.7	1.3	10	13	4.6	4.5
14...	0853	--	28	6.7	0.9	9	11	5.8	8.8

DATE	TIME	NITRO- GEN, NO2+N03 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)
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JAN									
14...	0846	<0.100	0.010	<0.010	--	--	--	--	--
14...	0848	<0.100	0.010	<0.010	70	<1	<10	6	130
14...	0853	<0.100	0.010	<0.010	150	2	<10	5	250

DATE	TIME	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
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JAN								
14...	0846	--	--	--	--	--	29.0	0.200
14...	0848	<5	20	<0.10	2	<10	--	--
14...	0853	<5	30	<0.10	3	<10	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
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FEB									
11...	1015	80513	80020	0.0	29	6.83	9.0	12.6	1.80
11...	1016	80513	80020	10.0	29	6.87	8.5	12.2	--
11...	1017	80513	80020	20.0	29	6.87	8.5	11.9	--
11...	1018	80513	80020	30.0	29	6.83	8.0	11.3	--
11...	1019	80513	80020	40.0	29	6.77	7.0	10.5	--
11...	1020	80513	80020	50.0	29	6.73	6.5	10.4	--
11...	1021	80513	80020	60.0	29	6.65	6.5	10.1	--
11...	1022	80513	80020	65.0	29	6.58	6.0	9.8	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
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MAR									
03...	0810	80513	80020	0.0	26	6.04	10.5	11.4	1.00
03...	0813	80513	80020	10.0	28	6.29	10.0	11.2	--
03...	0815	80513	80020	20.0	37	6.38	9.5	11.0	--
03...	0817	80513	80020	30.0	29	6.48	9.0	10.8	--
03...	0819	80513	80020	40.0	29	6.51	8.5	10.6	--
03...	0821	80513	80020	50.0	28	6.53	8.5	10.3	--
03...	0823	80513	80020	60.0	28	6.53	8.0	10.0	--
03...	0824	80513	80020	70.0	28	6.49	7.5	9.6	--
03...	0825	80513	80020	76.0	27	6.49	7.5	9.2	--

RED RIVER BASIN

07340450 GILLHAM LAKE NEAR GILLHAM, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)
APR										
29.	1115	80513	80020	0.0	28	7.58	23.5	9.8	1.50	1
29.	1116	80513	80020	3.00	28	7.73	23.5	9.6	--	--
29.	1118	80513	80020	10.0	27	7.81	22.5	9.1	--	--
29.	1119	80513	80020	11.0	27	7.70	20.0	9.7	--	--
29.	1120	80513	80020	12.0	26	7.55	19.0	9.4	--	--
29.	1122	80513	80020	13.0	26	7.47	18.0	9.2	--	--
29.	1124	80513	80020	14.0	25	7.32	17.0	8.4	--	--
29.	1126	80513	80020	15.0	25	7.19	16.0	7.6	--	--
29.	1128	80513	80020	17.0	25	7.03	15.0	7.0	--	--
29.	1130	80513	80020	20.0	26	6.94	14.0	6.8	--	--
29.	1132	80513	80020	24.0	26	6.74	13.0	6.3	--	--
29.	1134	80513	80020	30.0	27	6.62	12.5	6.0	--	--
29.	1135	80513	80020	40.0	28	6.53	12.0	5.7	--	--
29.	1136	80513	80020	50.0	32	6.44	11.5	5.2	--	--
29.	1137	80513	80020	53.0	32	6.41	11.5	5.0	--	--
29.	1138	80513	80020	60.0	34	6.35	11.0	3.1	--	--
29.	1140	80513	80020	66.0	39	6.31	11.0	1.8	--	--

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
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APR									
29.	1122	23	1.6	4.3	9	2.1	0.80	8	5.5
29.	1137	29	7.0	--	10	2.4	1.0	--	5.9

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, 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)
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APR									
29.	1116	--	<0.100	0.020	0.010	--	--	--	--
29.	1122	1.5	<0.100	0.070	0.010	30	<1	<10	2
29.	1137	1.6	<0.100	0.030	0.020	180	<1	<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)
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APR									
29.	1116	--	--	--	--	--	--	19.0	0.200
29.	1122	80	<5	20	0.10	4	20	--	--
29.	1137	510	9	290	0.10	6	10	--	--

RED RIVER BASIN

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07340450 GILLHAM LAKE NEAR GILLHAM, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
MAY									
15...	0745	80513	80020	0.0	26	8.09	26.5	9.1	1.30
15...	0748	80513	80020	8.00	27	8.27	25.5	9.0	--
15...	0750	80513	80020	10.0	26	8.13	24.5	8.9	--
15...	0752	80513	80020	11.0	26	7.94	23.0	8.8	--
15...	0754	80513	80020	13.0	25	7.75	22.0	7.9	--
15...	0756	80513	80020	14.0	26	7.46	20.5	6.6	--
15...	0758	80513	80020	15.0	25	7.26	20.0	6.0	--
15...	0800	80513	80020	16.0	25	7.12	17.5	5.2	--
15...	0802	80513	80020	18.0	24	7.00	16.0	4.9	--
15...	0804	80513	80020	19.0	24	6.90	15.5	4.9	--
15...	0806	80513	80020	20.0	23	6.84	14.5	4.8	--
15...	0808	80513	80020	23.0	24	6.76	13.5	4.8	--
15...	0810	80513	80020	30.0	25	6.66	12.5	4.8	--
15...	0812	80513	80020	40.0	27	6.60	12.0	4.7	--
15...	0814	80513	80020	50.0	30	6.54	12.0	4.1	--
15...	0816	80513	80020	60.0	32	6.50	11.5	3.4	--
15...	0818	80513	80020	61.0	32	6.47	11.5	2.8	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUN								
02...	1020	80513	80020	0.0	32	7.52	27.0	8.9
02...	1021	80513	80020	3.00	32	7.78	26.5	8.7
02...	1023	80513	80020	10.0	32	7.78	26.5	8.1
02...	1024	80513	80020	11.0	32	7.42	25.5	7.3
02...	1025	80513	80020	13.0	37	6.76	24.5	3.7
02...	1026	80513	80020	15.0	36	6.41	24.0	2.2
02...	1027	80513	80020	16.0	33	6.22	23.0	1.7
02...	1028	80513	80020	17.0	31	6.12	21.5	1.4
02...	1029	80513	80020	18.0	30	6.02	20.5	1.4
02...	1030	80513	80020	19.0	30	6.00	19.5	1.5
02...	1031	80513	80020	20.0	29	5.96	18.5	1.4
02...	1032	80513	80020	21.0	28	5.90	17.5	1.8
02...	1033	80513	80020	22.0	27	5.94	16.5	2.3
02...	1034	80513	80020	23.0	28	5.98	15.5	2.8
02...	1035	80513	80020	25.0	27	6.06	14.5	3.3
02...	1036	80513	80020	28.0	27	6.10	13.5	3.4
02...	1037	80513	80020	30.0	27	6.12	13.0	3.4
02...	1038	80513	80020	40.0	32	6.12	12.5	2.0
02...	1039	80513	80020	50.0	32	6.09	12.0	1.6
02...	1040	80513	80020	60.0	36	6.10	11.5	0.5
02...	1041	80513	80020	69.0	48	6.13	11.5	0.1

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS, ORTHOPHOS- PHATE TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHOPHOS- PHATE 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...	1020	1.80	--	--	--	--	--
02...	1021	--	<0.100	0.010	<0.010	11.0	0.600

RED RIVER BASIN

07340450 GILLHAM LAKE NEAR GILLHAM, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JUL									
07...	1100	80513	80020	0.0	36	7.61	28.5	7.7	1.80
07...	1101	80513	80020	3.00	36	7.64	28.0	7.7	--
07...	1103	80513	80020	10.0	36	7.48	28.0	7.5	--
07...	1105	80513	80020	14.0	36	6.58	27.5	4.7	--
07...	1106	80513	80020	15.0	36	6.23	26.5	2.5	--
07...	1107	80513	80020	16.0	36	6.07	25.5	0.7	--
07...	1108	80513	80020	18.0	37	6.03	24.5	0.2	--
07...	1109	80513	80020	19.0	37	6.02	23.5	0.2	--
07...	1110	80513	80020	20.0	38	6.01	22.5	0.2	--
07...	1111	80513	80020	21.0	37	6.01	21.0	0.2	--
07...	1112	80513	80020	22.0	35	5.98	19.5	0.2	--
07...	1113	80513	80020	23.0	34	5.98	18.0	0.2	--
07...	1114	80513	80020	24.0	31	5.96	17.0	0.2	--
07...	1115	80513	80020	25.0	30	5.93	16.0	0.2	--
07...	1116	80513	80020	27.0	31	5.92	15.0	0.4	--
07...	1118	80513	80020	30.0	31	5.93	14.5	0.5	--
07...	1120	80513	80020	35.0	34	5.97	13.5	0.2	--
07...	1122	80513	80020	40.0	35	6.01	13.0	0.2	--
07...	1123	80513	80020	50.0	37	6.05	12.5	0.2	--
07...	1124	80513	80020	60.0	43	6.09	12.0	0.2	--
07...	1125	80513	80020	65.0	52	6.25	12.0	0.2	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
AUG									
05...	0805	80513	80020	0.0	38	8.37	30.5	7.9	2.30
05...	0806	80513	80020	3.00	38	8.39	30.5	7.9	--
05...	0808	80513	80020	10.0	38	8.40	30.5	7.8	--
05...	0809	80513	80020	12.0	38	8.24	30.0	7.8	--
05...	0810	80513	80020	13.0	37	7.69	29.5	7.5	--
05...	0811	80513	80020	15.0	37	7.35	28.5	6.8	--
05...	0812	80513	80020	16.0	37	6.56	26.5	2.8	--
05...	0813	80513	80020	17.0	37	6.23	25.5	1.1	--
05...	0814	80513	80020	18.0	45	6.09	24.0	0.5	--
05...	0815	80513	80020	19.0	41	6.03	22.5	0.5	--
05...	0816	80513	80020	20.0	40	6.00	21.5	0.5	--
05...	0817	80513	80020	21.0	39	5.99	20.0	0.5	--
05...	0818	80513	80020	22.0	37	5.97	18.5	0.5	--
05...	0819	80513	80020	23.0	35	5.96	18.5	0.5	--
05...	0820	80513	80020	24.0	37	5.96	17.5	0.5	--
05...	0821	80513	80020	25.0	37	6.01	16.5	0.5	--
05...	0822	80513	80020	26.0	36	6.01	15.5	0.5	--
05...	0823	80513	80020	29.0	38	6.07	14.0	0.6	--
05...	0824	80513	80020	30.0	39	6.09	14.0	0.6	--
05...	0825	80513	80020	40.0	44	6.15	13.5	0.6	--
05...	0826	80513	80020	50.0	48	6.19	13.0	0.5	--
05...	0827	80513	80020	53.0	49	6.26	12.5	0.5	--
05...	0828	80513	80020	60.0	59	6.30	12.5	0.6	--
05...	0829	80513	80020	66.0	64	6.39	12.5	0.5	--

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD CAC03 (00410)
------	------	---	---	---	---	---	---	---	---

AUG									
05...	0805	0	--	--	--	--	--	--	--
05...	0810	--	2	1.5	1.1	11	2.5	1.1	13
05...	0827	--	57	12	1.1	10	2.6	0.90	19

RED RIVER BASIN

363

07340450 GILLHAM LAKE NEAR GILLHAM, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	NITRO- GEN, NO2+N03 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									
05...	0806	--	<0.100	0.010	<0.010	--	--	--	--
05...	0810	4.6	<0.100	0.010	<0.010	20	<1	2	3
05...	0827	21	<0.100	0.040	<0.010	100	2	<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									
05...	0806	--	--	--	--	--	--	4.90	0.200
05...	0810	740	<5	20	<0.10	2	10	--	--
05...	0827	3000	<5	1000	<0.10	4	<10	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
SEP								
01...	1300	80513	80020	0.0	38	6.98	28.0	7.5
01...	1301	80513	80020	3.00	39	6.97	28.0	7.3
01...	1302	80513	80020	10.0	38	6.99	27.5	7.1
01...	1303	80513	80020	20.0	38	6.34	26.5	0.7
01...	1304	80513	80020	21.0	43	6.08	23.0	0.4
01...	1305	80513	80020	22.0	41	6.09	20.5	0.3
01...	1306	80513	80020	23.0	41	6.10	19.0	0.3
01...	1307	80513	80020	24.0	41	6.13	18.0	0.3
01...	1308	80513	80020	25.0	42	6.19	17.0	0.3
01...	1309	80513	80020	27.0	42	6.25	16.0	0.2
01...	1310	80513	80020	29.0	43	6.30	15.0	0.2
01...	1311	80513	80020	30.0	44	6.34	14.5	0.2
01...	1312	80513	80020	36.0	47	6.44	14.5	0.2
01...	1314	80513	80020	40.0	48	6.47	13.0	0.1
01...	1315	80513	80020	50.0	52	6.49	12.5	0.2
01...	1317	80513	80020	63.0	70	6.58	12.0	0.2

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	NITRO- GEN, NO2+N03 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							
01...	1300	1.90	--	--	--	--	--
01...	1301	--	<0.100	0.010	<0.010	9.90	0.400

07340452 COSSATOT RIVER BELOW GILLHAM DAM NEAR GILLHAM, ARK.

LOCATION.--Lat 34°12'32", long 94°13'40", in SE ¼ SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIF- CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, O.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT											
15...	0915	80513	80020	54	6.60	20.5	7.9	--	--	--	--
NOV											
04...	1100	80513	80020	38	6.73	18.0	9.2	--	--	--	--
DEC											
09...	1015	80513	80020	33	6.65	11.0	11.4	--	--	--	--
JAN											
14...	0815	80513	80020	30	6.10	7.0	13.2	3	8	4.0	1.2
FEB											
11...	0950	80513	80020	29	6.64	7.0	12.2	--	--	--	--
MAR											
03...	0845	80513	80020	27	6.54	9.0	13.1	--	--	--	--
APR											
29...	1200	80513	80020	26	6.84	20.0	10.7	4	15	2.0	2.9
MAY											
15...	0730	80513	80020	25	7.85	19.0	8.9	--	--	--	--
JUN											
02...	1000	80513	80020	31	6.49	22.5	8.7	--	--	--	--
JUL											
07...	1030	80513	80020	36	6.80	26.5	7.7	--	--	--	--
AUG											
05...	0745	80513	80020	37	6.29	27.5	6.8	4	4	8.0	1.1
SEP											
01...	1230	80513	80020	39	6.98	27.5	8.1	--	--	--	--

DATE	TIME	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD (MG/L AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+N03 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)
JAN											
14...	0815	10	--	--	13	4.5	--	<0.100	0.010	<0.010	120
APR											
29...	1200	8	2.0	0.80	8	5.3	1.7	<0.100	0.030	0.010	60
AUG											
05...	0745	11	2.7	1.1	21	4.9	--	<0.100	0.060	<0.010	30

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)
JAN										
14...	0815	<1	<10	2	200	<5	20	<0.10	2	<10
APR										
29...	1200	<1	<10	3	110	<5	30	0.10	3	<10
AUG										
05...	0745	<1	15	2	220	<5	120	<0.10	3	30

RED RIVER BASIN

365

07340945 SALINE RIVER NEAR BURG, ARK.

LOCATION.--Lat 34°12'39", long 94°03'02", in NW ¼ SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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										
14...	0830	9827	9827	7.17	12.0	25	9.2	0.5	230	20
NOV										
18...	0825	9827	9827	7.21	13.0	8.5	9.9	1.0	28	16
DEC										
16...	0830	9827	9827	7.13	9.0	15	10.9	1.2	--	22
JAN										
20...	0830	9827	9827	--	3.0	20	12.4	0.8	--	14
FEB										
17...	0830	9827	9827	7.22	7.0	25	11.1	0.8	170	12
MAR										
31...	0830	9827	9827	7.27	7.0	20	11.3	1.1	24	12
APR										
14...	0830	9827	9827	7.55	15.0	6.0	8.5	1.1	60	14
MAY										
19...	0840	9827	9827	7.97	23.0	4.0	6.5	0.3	4	26
JUN										
16...	0830	9827	9827	7.41	25.0	3.5	--	0.4	52	14
JUL										
14...	0830	9827	9827	7.22	23.0	2.6	6.6	1.6	44	20
AUG										
18...	0830	9827	9827	6.88	26.0	4.2	3.9	1.5	56	14
SEP										
15...	0830	9827	9827	7.04	24.0	2.4	5.6	2.9	--	16

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- 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)
OCT										
14...	0830	--	4.0	47	13	0.460	0.060	0.060	0.050	<1
NOV										
18...	0825	--	1.5	--	10	0.830	0.030	0.030	0.020	<1
DEC										
16...	0830	--	3.0	--	9	0.770	0.030	0.100	0.020	<1
JAN										
20...	0830	5.0	3.0	70	6	0.630	0.040	0.040	0.010	<1
FEB										
17...	0830	6.0	3.5	52	11	0.610	0.030	0.060	0.020	<1
MAR										
31...	0830	--	3.5	--	9	0.500	0.030	0.040	0.020	<1
APR										
14...	0830	5.0	1.5	23	5	0.090	0.050	0.050	0.010	<1
MAY										
19...	0840	--	2.5	--	7	0.090	--	0.020	0.040	<1
JUN										
16...	0830	1.0	--	41	4	0.060	0.030	0.030	0.030	<1
JUL										
14...	0830	3.0	2.5	35	1	0.040	0.070	0.040	0.060	<1
AUG										
18...	0830	<1.0	5.0	46	7	0.090	<0.010	--	0.190	--
SEP										
15...	0830	1.0	3.0	36	6	0.030	0.080	0.020	--	--

RED RIVER BASIN

07340945 SALINE RIVER NEAR BURG, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	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)	ALDRIN, TOTAL (UG/L) (39330)	BHC TOTAL (UG/L) (39337)	BETA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (39338)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)
OCT										
14...	0830	<1	18	18	--	--	--	--	--	<0.01
NOV										
18...	0825	<1	<15	2	--	200	--	--	--	--
DEC										
16...	0830	1	<15	2	--	--	--	--	--	--
JAN										
20...	0830	3	<15	9	--	--	--	--	--	--
FEB										
17...	0830	--	<15	1	--	40	--	--	--	--
MAR										
31...	0830	1	<15	8	--	70	<0.002	<0.01	<0.01	<0.01
APR										
14...	0830	<1	<15	12	--	10	--	--	--	--
MAY										
19...	0840	<1	<15	1	--	10	<0.002	<0.01	<0.01	<0.01
JUN										
16...	0830	<1	25	<1	--	60	--	--	--	--
JUL										
14...	0830	1	--	--	0.60	30	<0.002	<0.01	<0.01	<0.01
AUG										
18...	0830	1	<15	--	--	70	--	--	--	--
SEP										
15...	0830	2	23	7	--	--	--	--	--	--
DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)
OCT										
14...	0830	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAR										
31...	0830	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAY										
19...	0840	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JUL										
14...	0830	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
DATE	TIME	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	MALA- THION, TOTAL (UG/L) (39530)	CHLOR- PYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDE- HYDE TOTAL (UG/L) (34366)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
OCT										
14...	0830	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAR										
31...	0830	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAY										
19...	0840	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JUL										
14...	0830	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
OCT										
14...	0830	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAR										
31...	0830	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAY										
19...	0840	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JUL										
14...	0830	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

07340990 DIERKS LAKE NEAR DIERKS, ARK.

LOCATION.--Lat 34°08'39", long 94°05'53", in NE ¼ NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
OCT									
15...	1109	80513	80020	0.0	42	6.60	21.0	4.8	1.50
15...	1111	80513	80020	10.0	41	6.60	21.0	4.7	--
15...	1113	80513	80020	20.0	41	6.60	21.0	4.6	--
15...	1115	80513	80020	30.0	40	6.60	21.0	4.8	--
15...	1117	80513	80020	40.0	68	6.40	20.0	0.4	--
15...	1119	80513	80020	47.0	55	6.30	19.0	0.2	--
15...	1121	80513	80020	50.0	46	6.30	19.0	0.7	--
15...	1123	80513	80020	60.0	63	6.20	18.5	0.2	--
15...	1125	80513	80020	70.0	117	6.40	18.0	0.2	--
15...	1127	80513	80020	74.0	136	6.40	17.5	0.2	--
NOV									
04...	1340	80513	80020	0.0	40	6.98	18.0	7.7	1.50
04...	1342	80513	80020	10.0	40	6.87	18.0	7.3	--
04...	1344	80513	80020	20.0	40	6.80	18.0	7.2	--
04...	1346	80513	80020	30.0	40	6.74	18.0	7.1	--
04...	1348	80513	80020	40.0	41	6.66	18.0	5.5	--
04...	1350	80513	80020	50.0	44	6.50	17.5	3.2	--
04...	1352	80513	80020	60.0	45	6.40	17.5	2.5	--
04...	1354	80513	80020	69.0	47	6.29	17.5	1.7	--
DEC									
09...	1115	80513	80020	0.0	38	6.76	10.5	9.3	1.20
09...	1117	80513	80020	10.0	39	6.71	10.5	9.1	--
09...	1119	80513	80020	20.0	39	6.69	10.5	9.0	--
09...	1121	80513	80020	30.0	39	6.67	10.5	9.0	--
09...	1123	80513	80020	40.0	41	6.64	10.5	8.3	--
09...	1125	80513	80020	50.0	42	6.58	10.0	8.4	--
09...	1127	80513	80020	60.0	42	6.55	9.5	8.6	--
09...	1129	80513	80020	70.0	42	6.52	9.5	8.5	--
09...	1131	80513	80020	71.0	42	6.54	9.5	8.1	--
JAN									
13...	1007	80513	80020	0.0	39	6.63	7.0	11.1	1.10
13...	1008	80513	80020	3.00	39	6.65	7.0	10.9	--
13...	1009	80513	80020	10.0	39	6.69	7.0	10.7	--
13...	1010	80513	80020	15.0	38	6.69	7.0	10.6	--
13...	1011	80513	80020	20.0	39	6.68	7.0	10.5	--
13...	1012	80513	80020	30.0	39	6.67	7.0	10.4	--
13...	1013	80513	80020	40.0	38	6.68	7.0	10.4	--
13...	1014	80513	80020	50.0	38	6.66	7.0	10.3	--
13...	1015	80513	80020	60.0	37	6.66	7.0	10.2	--
13...	1016	80513	80020	70.0	38	6.66	7.0	9.6	--
13...	1017	80513	80020	75.0	39	6.65	7.0	9.5	--

RED RIVER BASIN

07340990 DIERKS LAKE NEAR DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	COLI-FORM, FECAL, O.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
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JAN

13...	1007	1	--	--	--	--	--	--	--
13...	1010	--	22	7.1	1.2	10	12	8.5	7.0
13...	1015	--	25	8.1	1.2	10	13	8.2	5.0

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)
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JAN

13...	1008	0.400	0.010	0.010	--	--	--	--	--
13...	1010	0.400	0.020	<0.010	190	<1	<10	3	400
13...	1015	0.300	0.020	<0.010	160	<1	<10	3	450

DATE	TIME	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
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JAN

13...	1010	<5	30	<0.10	3	<10	5.30	0.300
13...	1015	<5	50	<0.10	2	<10	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
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FEB

11...	1145	80513	80020	0.0	40	6.72	9.0	11.4	0.98
11...	1146	80513	80020	10.0	39	6.73	9.0	11.1	--
11...	1147	80513	80020	20.0	38	6.72	8.5	11.0	--
11...	1148	80513	80020	30.0	39	6.70	7.5	10.0	--
11...	1149	80513	80020	40.0	39	6.63	7.0	9.7	--
11...	1150	80513	80020	50.0	39	6.62	7.0	9.6	--
11...	1151	80513	80020	60.0	39	6.60	7.0	9.4	--
11...	1152	80513	80020	70.0	39	6.56	7.0	9.1	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
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MAR

03...	1000	80513	80020	0.0	37	6.78	9.5	11.5	1.20
03...	1002	80513	80020	10.0	38	6.80	9.5	11.1	--
03...	1004	80513	80020	20.0	38	6.81	9.0	10.9	--
03...	1006	80513	80020	30.0	38	6.79	9.0	10.6	--
03...	1008	80513	80020	40.0	38	6.76	9.0	10.3	--
03...	1010	80513	80020	50.0	38	6.74	8.5	10.3	--
03...	1012	80513	80020	60.0	38	6.75	8.5	10.1	--
03...	1014	80513	80020	70.0	38	6.74	8.5	9.8	--
03...	1016	80513	80020	77.0	38	6.67	8.5	9.1	--

RED RIVER BASIN

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07340990 DIERKS LAKE NEAR DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
APR										
28.	1145	80513	80020	0.0	33	7.24	23.0	9.0	1.20	0
28.	1146	80513	80020	3.00	33	7.31	23.0	9.0	--	--
28.	1148	80513	80020	9.00	33	7.32	22.5	8.7	--	--
28.	1150	80513	80020	10.0	33	7.27	20.0	7.6	--	--
28.	1152	80513	80020	11.0	33	6.95	18.0	6.9	--	--
28.	1153	80513	80020	12.0	33	6.86	16.5	6.8	--	--
28.	1154	80513	80020	13.0	33	6.74	16.0	6.5	--	--
28.	1155	80513	80020	14.0	33	6.64	15.0	6.6	--	--
28.	1156	80513	80020	20.0	32	6.62	14.0	6.7	--	--
28.	1157	80513	80020	30.0	33	6.53	13.0	6.1	--	--
28.	1158	80513	80020	40.0	34	6.47	12.5	5.7	--	--
28.	1159	80513	80020	50.0	36	6.41	12.5	5.0	--	--
28.	1200	80513	80020	56.0	38	6.37	12.0	3.9	--	--
28.	1201	80513	80020	60.0	38	6.36	12.0	3.7	--	--
28.	1202	80513	80020	70.0	40	6.32	12.0	2.8	--	--

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
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APR									
28.	1155	50	7.5	1.3	10	2.1	1.1	9	7.9
28.	1200	55	15	1.5	10	2.2	1.2	10	8.5

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)
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APR									
28.	1146	--	0.300	0.040	<0.010	--	--	--	--
28.	1155	2.1	<0.100	0.050	0.020	220	<1	<10	3
28.	1200	1.9	0.400	0.050	0.020	440	<1	<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)
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APR									
28.	1146	--	--	--	--	--	--	9.70	0.400
28.	1155	410	<5	20	0.20	4	<10	--	--
28.	1200	820	<5	200	0.10	<1	<10	--	--

RED RIVER BASIN

07340990 DIERKS LAKE NEAR DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
MAY									
14...	1415	80513	80020	0.0	31	7.78	28.0	9.0	1.60
14...	1417	80513	80020	2.00	32	8.00	26.5	9.1	--
14...	1419	80513	80020	5.00	32	8.37	25.5	9.3	--
14...	1421	80513	80020	10.0	31	8.27	25.0	8.7	--
14...	1423	80513	80020	11.0	32	7.77	22.0	7.5	--
14...	1425	80513	80020	12.0	31	7.56	21.0	6.3	--
14...	1427	80513	80020	13.0	31	7.34	19.5	5.2	--
14...	1429	80513	80020	14.0	30	7.12	18.5	4.7	--
14...	1431	80513	80020	15.0	30	6.96	17.0	4.3	--
14...	1433	80513	80020	16.0	30	6.84	15.5	4.4	--
14...	1435	80513	80020	19.0	30	6.73	14.5	4.6	--
14...	1437	80513	80020	20.0	30	6.68	14.5	4.8	--
14...	1439	80513	80020	25.0	29	6.55	13.5	4.7	--
14...	1441	80513	80020	30.0	30	6.47	13.0	4.7	--
14...	1443	80513	80020	40.0	32	6.37	13.0	4.0	--
14...	1445	80513	80020	50.0	32	6.29	12.5	2.9	--
14...	1447	80513	80020	60.0	35	6.15	12.5	1.9	--
14...	1448	80513	80020	62.0	35	6.12	12.5	1.0	--
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
JUN									
02...	1215	80513	80020	0.0	36	7.50	27.0	8.5	
02...	1216	80513	80020	3.00	36	7.70	27.0	8.4	
02...	1218	80513	80020	8.00	35	7.50	26.0	7.8	
02...	1220	80513	80020	10.0	36	7.20	25.5	6.7	
02...	1222	80513	80020	12.0	36	7.00	24.5	5.6	
02...	1224	80513	80020	13.0	36	6.62	23.5	3.5	
02...	1226	80513	80020	14.0	37	6.36	22.5	1.8	
02...	1228	80513	80020	15.0	37	6.24	21.5	1.4	
02...	1230	80513	80020	16.0	36	6.11	20.5	1.6	
02...	1232	80513	80020	17.0	35	6.04	19.5	1.5	
02...	1234	80513	80020	18.0	35	6.02	18.5	1.4	
02...	1236	80513	80020	19.0	35	5.97	17.5	1.6	
02...	1238	80513	80020	20.0	34	5.93	15.5	2.0	
02...	1240	80513	80020	22.0	34	5.99	14.5	2.3	
02...	1242	80513	80020	28.0	34	6.04	13.5	2.4	
02...	1244	80513	80020	30.0	34	6.06	13.5	2.2	
02...	1246	80513	80020	40.0	36	6.06	13.0	1.6	
02...	1248	80513	80020	50.0	37	6.06	13.0	1.2	
02...	1250	80513	80020	60.0	40	6.08	12.5	0.2	
02...	1252	80513	80020	68.0	43	6.15	12.5	0.1	
DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	NITRO- GEN, NO2+N03 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									
02...	1215	1.80	--	--	--	--	--	--	--
02...	1216	--	<0.100	0.020	<0.010	9.60	1.00	--	--

RED RIVER BASIN

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07340990 DIERKS LAKE NEAR DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

		AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)		
JUL											
07...	1345	80513	80020	0.0	39	7.96	29.0	7.9	1.60		
07...	1346	80513	80020	3.00	39	8.02	29.0	7.9	--		
07...	1348	80513	80020	10.0	38	7.42	28.0	7.0	--		
07...	1350	80513	80020	12.0	40	6.62	27.0	3.4	--		
07...	1351	80513	80020	13.0	40	6.24	26.5	2.5	--		
07...	1352	80513	80020	14.0	40	6.09	25.5	1.4	--		
07...	1353	80513	80020	15.0	40	6.02	25.0	0.4	--		
07...	1354	80513	80020	16.0	41	6.00	23.0	0.2	--		
07...	1355	80513	80020	17.0	40	5.94	21.0	0.2	--		
07...	1356	80513	80020	18.0	40	5.93	20.0	0.2	--		
07...	1357	80513	80020	19.0	40	5.91	19.5	0.2	--		
07...	1358	80513	80020	20.0	39	5.92	17.5	0.2	--		
07...	1359	80513	80020	21.0	39	5.92	17.0	0.2	--		
07...	1400	80513	80020	23.0	38	5.91	16.0	0.2	--		
07...	1401	80513	80020	24.0	37	5.92	15.0	0.2	--		
07...	1403	80513	80020	28.0	38	5.91	14.0	0.2	--		
07...	1405	80513	80020	30.0	38	5.92	14.0	0.2	--		
07...	1406	80513	80020	40.0	41	5.96	13.5	0.2	--		
07...	1407	80513	80020	50.0	43	5.99	13.5	0.2	--		
07...	1408	80513	80020	60.0	45	6.00	13.0	0.2	--		
07...	1409	80513	80020	69.0	48	6.04	13.0	0.2	--		
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
AUG											
04...	0905	80513	80020	0.0	41	8.32	30.5	7.9	1.50	1	--
04...	0906	80513	80020	3.00	41	8.27	30.5	7.8	--	--	--
04...	0908	80513	80020	8.00	40	8.10	30.5	7.7	--	--	--
04...	0909	80513	80020	9.00	40	7.16	29.5	6.3	--	--	--
04...	0910	80513	80020	10.0	40	6.65	28.5	4.6	--	--	--
04...	0911	80513	80020	11.0	40	6.25	28.0	3.2	--	--	--
04...	0913	80513	80020	13.0	40	6.18	27.0	2.2	--	--	6
04...	0914	80513	80020	14.0	41	6.10	26.5	1.6	--	--	--
04...	0915	80513	80020	15.0	41	5.99	25.0	0.6	--	--	--
04...	0916	80513	80020	16.0	41	5.97	24.0	0.7	--	--	--
04...	0917	80513	80020	17.0	42	5.94	22.5	1.0	--	--	--
04...	0918	80513	80020	18.0	42	5.92	21.5	0.5	--	--	--
04...	0919	80513	80020	19.0	43	5.95	19.5	0.4	--	--	--
04...	0920	80513	80020	20.0	42	5.95	18.0	0.4	--	--	--
04...	0921	80513	80020	21.0	42	5.97	17.0	0.4	--	--	--
04...	0922	80513	80020	23.0	41	5.96	16.0	0.4	--	--	--
04...	0923	80513	80020	25.0	41	5.97	15.5	0.4	--	--	--
04...	0924	80513	80020	30.0	42	5.99	14.5	0.4	--	--	--
04...	0925	80513	80020	40.0	48	6.06	14.0	0.4	--	--	--
04...	0926	80513	80020	50.0	62	6.22	13.5	0.4	--	--	--
04...	0927	80513	80020	54.0	65	6.42	13.5	0.4	--	--	69
04...	0928	80513	80020	60.0	67	6.47	13.0	0.4	--	--	--
04...	0929	80513	80020	67.0	70	6.50	13.0	0.4	--	--	--
DATE	TIME	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG											
04...	0906	--	--	--	--	--	--	--	<0.100	0.020	<0.010
04...	0913	1.9	1.6	--	--	--	15	6.0	<0.100	0.020	<0.010
04...	0927	14	0.9	12	2.7	1.2	23	13	<0.100	0.100	0.060

RED RIVER BASIN

07340990 DIERKS LAKE NEAR DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	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)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG											
04...	0913	120	<1	70	2	80	<5	20	<0.10	8	10
04...	0927	150	4	<1	3	4900	<5	1400	<0.10	3	20
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	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											
01...	1105	80513	80020	0.0	40	6.97	26.5	7.8	1.30	--	--
01...	1106	80513	80020	3.00	40	6.98	26.5	7.6	--	8.30	0.400
01...	1107	80513	80020	10.0	40	7.08	26.5	7.4	--	--	--
01...	1108	80513	80020	15.0	41	6.45	25.5	4.6	--	--	--
01...	1109	80513	80020	16.0	42	6.21	24.0	1.1	--	--	--
01...	1110	80513	80020	17.0	46	6.09	22.0	0.4	--	--	--
01...	1111	80513	80020	18.0	47	6.09	20.0	0.4	--	--	--
01...	1112	80513	80020	19.0	47	6.11	18.5	0.3	--	--	--
01...	1113	80513	80020	20.0	47	6.13	17.0	0.3	--	--	--
01...	1114	80513	80020	21.0	49	6.22	16.0	0.3	--	--	--
01...	1115	80513	80020	23.0	50	6.30	15.5	0.2	--	--	--
01...	1116	80513	80020	28.0	51	6.36	14.5	0.2	--	--	--
01...	1117	80513	80020	30.0	50	6.43	14.0	0.2	--	--	--
01...	1118	80513	80020	40.0	60	6.52	13.5	0.2	--	--	--
01...	1119	80513	80020	50.0	71	6.63	13.0	0.2	--	--	--
01...	1120	80513	80020	60.0	74	6.68	13.0	0.2	--	--	--
01...	1121	80513	80020	66.0	77	6.74	13.0	0.2	--	--	--

RED RIVER BASIN

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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.

RAINAGE AREA.--113 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT											
15...	1200	80513	80020	61	6.60	19.5	9.4	--	--	--	--
NOV											
04...	1300	80513	80020	47	6.98	17.0	9.5	--	--	--	--
DEC											
09...	1145	80513	80020	46	6.86	10.0	11.7	--	--	--	--
JAN											
13...	0915	80513	80020	39	6.57	7.0	13.8	3	28	7.4	1.3
FEB											
11...	1230	80513	80020	41	6.83	7.5	12.5	--	--	--	--
MAR											
03...	1030	80513	80020	38	6.82	9.0	12.8	--	--	--	--
APR											
28...	1100	80513	80020	37	7.28	14.0	11.4	0	65	15	2.2
MAY											
14...	1400	80513	80020	36	7.00	13.5	11.5	--	--	--	--
JUN											
01...	1030	80513	80020	40	6.96	26.5	7.7	--	--	--	--
02...	1145	80513	80020	42	6.55	15.0	10.2	--	--	--	--
JUL											
07...	1300	80513	80020	39	6.96	29.0	7.2	--	--	--	--
AUG											
04...	0830	80513	80020	40	6.63	30.0	6.9	8	6	2.3	1.4
SEP											
01...	1030	80513	80020	40	6.96	26.5	7.7	--	--	--	--

DATE	TIME	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (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)
JAN											
13...	0915	10	--	--	11	9.0	4.8	0.300	0.020	<0.010	240
APR											
28...	1100	11	2.4	1.1	11	9.1	2.2	0.400	0.050	0.020	430
AUG											
04...	0830	11	2.3	1.3	15	6.4	--	<0.100	0.030	<0.010	50

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO- MIUM, TOTAL	COPPER, TOTAL	IRON, TOTAL	LEAD, TOTAL	MANGA- NESE, TOTAL	MERCURY TOTAL	NICKEL, TOTAL	ZINC, TOTAL
			RECOV- ERABLE	RECOV- ERABLE	RECOV- ERABLE	RECOV- ERABLE	RECOV- ERABLE	RECOV- ERABLE	RECOV- ERABLE	RECOV- ERABLE
			(UG/L AS CR) (01034)	(UG/L AS CU) (01042)	(UG/L AS FE) (01045)	(UG/L AS PB) (01051)	(UG/L AS MN) (01055)	(UG/L AS HG) (71900)	(UG/L AS NI) (01067)	(UG/L AS ZN) (01092)
JAN 13...	0915	<1	<10	5	440	<5	30	<0.10	4	<10
APR 28...	1100	<1	<10	4	970	<5	320	0.10	4	<10
AUG 04...	0830	<1	2	2	740	<5	40	<0.10	2	<10

RED RIVER BASIN

07341070 HOLLY CREEK EAST OF DIERKS, ARK.

LOCATION.--Lat 34°07'27", long 94°00'19", in SE ¼ NE ¼ sec.29, T.7S., R.28 W., Howard County, Hydrologic Unit 11140109, at bridge on gravel road .1 mi north of State Highway 4 1.0 mi east of Dierks, Ark.

PERIOD OF RECORD.--October 1986 to July 1987.

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

WATER QUALITY DATA, OCTOBER 1986 TO JULY 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT									
14...	0800	9827	9827	7.14	13.0	40	9.1	0.4	230
NOV									
18...	0810	9827	9827	7.10	13.0	15	9.5	0.9	250
DEC									
16...	0810	9827	9827	7.09	9.0	20	10.9	1.3	--
JAN									
20...	0810	9827	9827	--	4.0	25	12.2	0.7	--
FEB									
17...	0810	9827	9827	7.18	7.0	25	11.1	--	76
MAR									
31...	0810	9827	9827	7.20	7.0	15	10.9	1.1	24
APR									
14...	0810	9827	9827	7.35	15.0	15	9.1	2.3	330
MAY									
19...	0820	9827	9827	7.52	23.0	3.0	5.1	1.0	84
JUN									
16...	0815	9827	9827	7.38	24.0	4.0	1.4	1.0	24
JUL									
14...	0810	9827	9827	7.33	24.0	6.6	0.4	2.0	110

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)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
14...	0800	18	--	5.0	53	11	0.120	0.020	0.80
NOV									
18...	0810	14	--	3.5	--	5	0.260	0.050	0.60
DEC									
16...	0810	16	--	3.5	--	5	0.200	0.040	--
JAN									
20...	0810	14	6.0	2.5	65	7	0.300	0.070	0.10
FEB									
17...	0810	16	6.0	3.5	57	7	0.210	0.060	<0.10
MAR									
31...	0810	14	--	4.0	--	7	0.320	0.020	--
APR									
14...	0810	16	3.0	2.5	36	7	0.200	0.030	<0.10
MAY									
19...	0820	22	--	4.0	--	6	0.280	--	1.2
JUN									
16...	0815	20	3.0	--	52	5	0.090	0.030	1.0
JUL									
14...	0810	26	9.0	5.0	52	5	0.040	0.450	19

RED RIVER BASIN

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07341070 HOLLY CREEK EAST OF DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, OCTOBER 1986 TO JULY 1987

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									
14...	0800	0.060	0.050	<1	1	<15	100	--	--
NOV									
18...	0810	0.030	0.020	<1	3	<15	3	--	130
DEC									
16...	0810	0.100	0.020	<1	2	16	4	--	--
JAN									
20...	0810	0.030	0.010	<1	2	<15	<1	--	--
FEB									
17...	0810	0.060	0.030	<1	--	<15	<1	--	20
MAR									
31...	0810	0.050	0.020	<1	<1	<15	2	--	10
APR									
14...	0810	0.070	0.010	<1	<1	<15	<1	--	10
MAY									
19...	0820	0.050	0.040	<1	<1	16	5	--	80
JUN									
16...	0815	0.070	0.050	<1	<1	25	<1	--	60
JUL									
14...	0810	0.070	0.040	<1	<1	--	--	<0.50	30

RED RIVER BASIN

07341080 HOLLY CREEK AT DIERKS, ARK.

LOCATION.--Lat 34°06'31", long 94°01'10", in NE ¼ SE ¼ sec.31, T.7S, R.28 W., Howard County, Hydrologic Unit 11140109, at bridge on county road .5 mi south of State Highway 70, and .3 mi south of Dierks, Ark.

PERIOD OF RECORD.--October 1986 to September 1987.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (0040U)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
14...	0810	9827	9827	7.09	13.0	30	8.5	1.0	600
NOV									
18...	0800	9827	9827	7.07	14.0	15	8.7	3.2	310
DEC									
16...	0800	9827	9827	7.23	9.0	25	10.4	1.8	--
JAN									
20...	0800	9827	9827	--	4.0	30	11.9	0.7	--
FEB									
17...	0800	9827	9827	7.10	7.0	30	10.7	0.8	220
MAR									
31...	0830	9827	9827	7.12	7.0	20	10.6	1.4	300
APR									
14...	0800	9827	9827	7.12	15.0	30	6.5	5.1	1000
MAY									
19...	0800	9827	9827	7.29	24.0	6.5	1.5	3.6	300
JUN									
16...	0800	9827	9827	7.56	25.0	8.0	0.8	3.2	12
JUL									
14...	0800	9827	9827	7.20	24.0	15	0.3	6.1	2100
AUG									
18...	0800	9827	9827	7.21	26.0	6.5	1.0	2.6	--
SEP									
15...	0800	9827	9827	7.15	24.0	5.8	2.1	3.5	770

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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
14...	0810	24	--	5.0	62	16	0.260	0.150	0.80
NOV									
18...	0800	30	--	3.5	--	7	0.220	0.030	0.60
DEC									
16...	0800	26	--	6.5	--	9	0.180	0.100	<0.10
JAN									
20...	0800	22	8.0	4.0	84	10	0.170	0.110	0.60
FEB									
17...	0800	28	7.0	4.0	69	12	0.170	0.100	0.10
MAR									
31...	0830	24	--	5.0	--	10	0.230	0.100	0.40
APR									
14...	0800	40	7.0	6.0	73	23	0.210	0.060	0.60
MAY									
19...	0800	46	--	6.0	--	10	0.040	--	1.3
JUN									
16...	0800	40	6.0	--	120	7	0.050	0.640	0.90
JUL									
14...	0800	42	13	7.5	98	11	0.040	0.470	1.4
AUG									
18...	0800	34	4.0	15	129	3	0.110	0.780	--
SEP									
15...	0800	44	8.0	56	183	4	0.130	0.770	--

RED RIVER BASIN

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07341080 HOLLY CREEK AT DIERKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
14...	0810	0.120	0.090	2	<1	19	30	--	--
NOV									
18...	0800	0.080	0.040	<1	1	<15	14	--	80
DEC									
16...	0800	0.130	0.050	<1	1	<15	3	--	--
JAN									
20...	0800	0.070	0.040	<1	2	<15	4	--	--
FEB									
17...	0800	0.080	0.050	<1	--	<15	3	--	20
MAR									
31...	0830	0.080	0.040	<1	<1	<15	4	--	30
APR									
14...	0800	0.150	0.030	<1	<1	<15	3	--	20
MAY									
19...	0800	0.220	0.170	<1	<1	<15	<1	--	20
JUN									
16...	0800	0.390	0.280	<1	<1	25	<1	--	30
JUL									
14...	0800	0.430	0.310	<1	1	--	--	<0.50	20
AUG									
18...	0800	--	0.440	--	2	<15	--	--	40
SEP									
15...	0800	0.450	--	--	1	<15	4	--	--

07341200 SALINE RIVER NEAR LOCKESBURG, ARK.

LOCATION.--Lat 33°57'43", long 94°03'40", in NW ¼ SE ¼ 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.--Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--24 years, 393 ft³/s, 284,700 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, 11,900 ft³/s Mar. 18, gage height, 16.59 ft; minimum daily, 17 ft³/s Oct. 1-2, June 10-18, 23, Sept. 10-14.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	29	291	181	e130	e140	971	24	29	32	24	28
2	17	23	280	178	e110	e500	993	23	26	41	24	24
3	18	21	146	231	e60	720	976	22	26	41	24	22
4	18	43	100	484	e55	833	959	22	27	35	24	19
5	154	658	65	254	e50	870	940	22	22	33	25	18
6	118	479	57	379	e50	839	926	22	21	30	27	18
7	60	472	54	366	e140	815	858	54	20	29	28	18
8	42	387	89	345	e300	797	400	85	19	28	26	18
9	156	337	1260	476	e80	621	192	45	19	27	25	18
10	394	315	630	771	e70	371	154	33	17	27	24	17
11	657	1150	762	325	e70	201	104	26	17	27	24	17
12	823	454	733	251	e65	100	86	24	17	27	24	17
13	818	850	689	533	e60	378	87	23	17	28	21	17
14	716	865	665	531	e60	352	109	25	17	28	22	17
15	679	835	673	516	e80	492	110	27	17	27	22	18
16	772	817	739	500	e70	412	90	24	17	26	22	22
17	783	799	423	e200	e150	2580	74	21	17	26	23	39
18	689	757	605	e250	e290	8480	56	20	17	26	22	49
19	676	319	705	e220	e280	1340	51	19	26	26	22	174
20	623	147	478	e330	e320	1060	46	19	32	25	22	46
21	136	113	406	e380	e310	998	42	18	21	24	22	26
22	36	111	374	e360	e300	922	39	18	18	24	22	22
23	25	125	358	e300	e240	907	35	18	17	24	22	21
24	32	129	351	e200	e180	1310	33	74	22	24	22	20
25	73	183	187	e200	e130	970	31	157	44	48	24	20
26	60	443	153	e190	e170	868	30	128	52	34	23	20
27	43	438	145	e190	e160	808	29	85	49	27	22	20
28	72	394	135	e180	e200	555	27	55	26	25	22	20
29	159	319	128	e150	---	518	26	41	29	25	22	21
30	159	301	172	e120	---	559	25	35	29	25	22	24
31	99	---	181	e120	---	561	---	32	---	24	27	---
TOTAL	9124	12313	12034	9711	4180	30877	8499	1241	727	893	725	830
MEAN	294	410	388	313	149	996	283	40.0	24.2	28.8	23.4	27.7
MAX	823	1150	1260	771	320	8480	993	157	52	48	28	174
MIN	17	21	54	120	50	100	25	18	17	24	21	17
AC-FT	18100	24420	23870	19260	8290	61240	16860	2460	1440	1770	1440	1650

CAL YR 1986 TOTAL 127116 MEAN 348 MAX 7570 MIN 15 AC-FT 252100
WTR YR 1987 TOTAL 91154 MEAN 250 MAX 8480 MIN 17 AC-FT 180800

e Estimated

07341300 MILLWOOD LAKE NEAR ASHDOWN, ARK.

CATION.--Lat 33°41'28", long 93°57'53", in NW ¼ sec.26, T.12 S., R.28 W., Little River County, Hydrologic Unit 1140109, at Millwood Dam on Little River 9.2 mi east of Ashdown, 9.6 mi upstream from Hudson Creek, and at mile 16.0,

WATER AREA.--4,119 mi².

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
OCT									
15...	1400	80513	80020	0.0	77	7.70	21.0	9.5	0.64
15...	1401	80513	80020	1.00	77	8.30	19.5	9.3	--
15...	1403	80513	80020	8.00	78	8.20	18.5	9.2	--
15...	1405	80513	80020	10.0	77	8.10	18.5	8.9	--
15...	1407	80513	80020	20.0	76	7.80	18.0	8.1	--
15...	1409	80513	80020	30.0	75	7.70	18.0	7.9	--
15...	1411	80513	80020	34.0	76	7.60	18.0	7.9	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
NOV									
04...	1650	80513	80020	0.0	71	7.26	18.5	9.2	1.20
04...	1652	80513	80020	10.0	73	7.28	18.0	9.1	--
04...	1654	80513	80020	20.0	72	7.27	18.0	9.0	--
04...	1656	80513	80020	30.0	72	7.28	18.0	9.0	--
04...	1658	80513	80020	34.0	72	7.28	18.0	8.9	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
DEC									
09...	1400	80513	80020	0.0	68	7.16	10.0	11.3	0.91
09...	1402	80513	80020	10.0	69	7.21	10.0	11.2	--
09...	1404	80513	80020	20.0	70	7.20	9.5	11.1	--
09...	1406	80513	80020	25.0	70	7.19	9.5	11.0	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JAN									
12...	1145	80513	80020	0.0	75	6.84	6.0	13.0	0.64
12...	1146	80513	80020	3.00	75	6.91	6.0	12.5	--
12...	1148	80513	80020	8.00	76	6.92	6.0	12.5	--
12...	1149	80513	80020	10.0	75	6.97	6.0	12.0	--
12...	1150	80513	80020	20.0	76	7.00	6.0	12.0	--
12...	1151	80513	80020	30.0	79	7.04	6.0	12.0	--
12...	1152	80513	80020	37.0	80	7.07	5.5	12.0	--

DATE	TIME	COLI- FORM, FECAL, O.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	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)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
JAN									
12...	1145	6	--	--	--	--	--	--	--
12...	1148	--	45	11	1.7	24	21	11	9.0
12...	1151	--	46	19	1.9	26	23	12	7.5

RED RIVER BASIN

07341300 MILLWOOD LAKE NEAR ASHDOWN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	NITRO- GEN, NO2+N03 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)
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JAN

12...	1146	0.200	0.030	0.010	--	--	--	--	--
12...	1148	0.200	0.030	<0.010	430	<1	<10	8	890
12...	1151	0.200	0.030	0.010	680	1	<10	4	1200

DATE	TIME	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO- PLANK- TON CHROMO- FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO- FLUOROM (UG/L) (70954)
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JAN

12...	1146	--	--	--	--	--	4.10	0.200
12...	1148	<5	50	<0.10	4	<10	--	--
12...	1151	<5	90	<0.10	3	<10	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CW) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
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FEB

11...	1430	80513	80020	0.0	64	6.95	10.5	11.1	0.70
11...	1431	80513	80020	10.0	64	7.00	10.5	10.9	--
11...	1432	80513	80020	20.0	64	7.02	10.0	10.7	--
11...	1433	80513	80020	30.0	63	7.00	10.0	10.6	--
11...	1434	80513	80020	35.0	64	7.00	10.0	10.6	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CW) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
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MAR

03...	1230	80513	80020	0.0	64	6.91	11.5	11.2	0.49
03...	1231	80513	80020	5.00	62	6.93	11.0	10.6	--
03...	1232	80513	80020	10.0	62	6.93	10.5	10.5	--
03...	1233	80513	80020	20.0	62	6.95	10.0	10.3	--
03...	1234	80513	80020	30.0	62	6.93	10.0	10.3	--
03...	1235	80513	80020	36.0	62	6.92	10.0	10.2	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CW) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)
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APR

28.	0900	80513	80020	0.0	59	7.10	23.5	8.4	0.91	0
28.	0901	80513	80020	3.00	58	7.11	23.5	8.3	--	--
28.	0905	80513	80020	6.00	58	7.10	23.5	8.3	--	--
28.	0906	80513	80020	10.0	59	7.16	23.5	8.2	--	--
28.	0907	80513	80020	13.0	58	7.07	22.0	7.5	--	--
28.	0908	80513	80020	16.0	58	6.91	21.0	6.4	--	--
28.	0909	80513	80020	20.0	58	6.82	20.5	6.0	--	--
28.	0910	80513	80020	24.0	57	6.73	19.5	5.5	--	--
28.	0911	80513	80020	30.0	57	6.69	19.0	5.0	--	--

RED RIVER BASIN

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07341300 MILLWOOD LAKE NEAR ASHDOWN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
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APR									
28.	0905	33	4.0	1.6	19	5.7	1.2	18	8.4
28.	0910	35	8.5	1.3	19	5.8	1.2	17	8.4

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+N03 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)
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APR									
28.	0901	--	<0.100	0.030	<0.010	--	--	--	--
28.	0905	4.0	<0.100	0.030	<0.010	250	<1	<10	2
28.	0910	3.6	<0.100	0.030	<0.010	280	<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)
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APR									
28.	0901	--	--	--	--	--	--	9.30	0.400
28.	0905	580	<5	50	0.10	<1	<10	--	--
28.	0910	640	<5	110	0.10	1	<10	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
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MAY									
14...	1230	80513	80020	0.0	61	6.81	27.0	7.1	0.98
14...	1232	80513	80020	6.00	61	6.86	26.5	7.4	--
14...	1234	80513	80020	10.0	60	6.88	25.5	7.2	--
14...	1236	80513	80020	13.0	63	6.69	23.5	3.4	--
14...	1238	80513	80020	15.0	65	6.57	22.5	2.6	--
14...	1240	80513	80020	20.0	69	6.49	21.5	1.4	--
14...	1242	80513	80020	25.0	69	6.41	20.0	1.1	--
14...	1244	80513	80020	30.0	77	6.39	20.0	0.8	--
14...	1246	80513	80020	35.0	70	6.37	19.5	0.6	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
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JUN								
02...	1500	80513	80020	0.0	81	7.21	28.0	8.2
02...	1501	80513	80020	3.00	81	7.31	28.0	8.1
02...	1502	80513	80020	10.0	84	7.39	27.0	7.1
02...	1504	80513	80020	20.0	83	7.10	26.5	6.3
02...	1506	80513	80020	30.0	84	6.83	25.5	4.0
02...	1508	80513	80020	35.0	84	6.71	25.5	3.9

RED RIVER BASIN

07341300 MILLWOOD LAKE NEAR ASHDOWN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

		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											
02...	1500	1.10	--	--	--	--	--				
02...	1501	--	<0.100	0.030	<0.010	17.0	1.50				
		AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)				
DATE	TIME										
JUL											
07.	1645	80513	80020	0.0	85	8.54	30.5				
07.	1646	80513	80020	1.00	86	8.46	30.0				
07.	1647	80513	80020	2.00	87	7.87	28.5				
07.	1648	80513	80020	3.00	87	7.63	28.5				
07.	1650	80513	80020	10.0	86	7.19	28.5				
07.	1651	80513	80020	20.0	83	6.98	28.0				
07.	1652	80513	80020	30.0	84	6.85	28.0				
07.	1653	80513	80020	34.0	85	6.82	28.0				
		OXYGEN, DIS- SOLVED (MG/L) (00300)	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)					
DATE	TIME										
JUL											
07.	1645		7.9	0.91	--	--	--				
07.	1646		8.4	--	--	--	--				
07.	1647		7.0	--	--	--	--				
07.	1648		6.9	--	<0.100	0.050	0.020				
07.	1650		5.5	--	--	--	--				
07.	1651		5.2	--	--	--	--				
07.	1652		4.8	--	--	--	--				
07.	1653		4.6	--	--	--	--				
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
AUG											
03...	1820	80513	80020	0.0	102	9.10	34.5	9.9	0.85	0	--
03...	1821	80513	80020	3.00	102	9.06	34.0	9.8	--	--	--
03...	1823	80513	80020	5.00	101	9.00	34.0	9.6	--	--	--
03...	1825	80513	80020	6.00	101	8.86	32.5	9.3	--	--	14
03...	1827	80513	80020	10.0	96	7.92	32.0	6.6	--	--	--
03...	1829	80513	80020	14.0	98	7.12	31.0	3.4	--	--	--
03...	1830	80513	80020	18.0	100	6.80	30.5	0.8	--	--	--
03...	1831	80513	80020	20.0	100	6.73	30.0	0.4	--	--	--
03...	1832	80513	80020	24.0	106	6.70	29.0	0.3	--	--	18
03...	1833	80513	80020	30.0	107	6.70	29.0	0.3	--	--	--
03...	1834	80513	80020	33.0	108	6.71	28.5	0.3	--	--	--
DATE	TIME	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)
AUG											
03...	1821	--	--	--	--	--	--	--	<0.100	0.060	<0.010
03...	1825	2.8	2.3	29	9.4	1.4	31	7.3	<0.100	0.080	<0.010
03...	1832	10	1.6	27	8.3	1.5	33	6.7	<0.100	0.090	0.020

RED RIVER BASIN

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07341300 MILLWOOD LAKE NEAR ASHDOWN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	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)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)
AUG											
03...	1825	30	2	<10	4	170	<5	160	<0.10	5	20
03...	1832	40	7	<1	3	440	<5	1700	<0.10	3	<10

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
SEP										
01...	0835	80513	80020	0.0	99	7.46	26.5	7.6	--	--
01...	0836	80513	80020	3.00	100	7.41	26.5	7.3	42.0	2.10
01...	0837	80513	80020	10.0	100	7.44	26.5	7.2	--	--
01...	0838	80513	80020	20.0	100	7.43	26.5	7.1	--	--
01...	0839	80513	80020	30.0	100	7.51	26.0	7.2	--	--
01...	0840	80513	80020	34.0	99	7.51	26.0	7.2	--	--

RED RIVER BASIN

07341301 LITTLE RIVER AT MILLWOOD DAM, NEAR ASHDOWN, ARK.

LOCATION.--Lat 33°41'28", long 93°57'53", in NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
OCT											
15...	1430	80513	80020	77	7.90	19.0	10.8	--	--	--	--
NOV											
04...	1615	80513	80020	72	7.05	18.5	10.5	--	--	--	--
DEC											
09...	1330	80513	80020	68	7.02	10.0	13.1	--	--	--	--
JAN											
12...	1235	80513	80020	74	7.12	6.0	14.2	2	42	11	1.4
FEB											
11...	1400	80513	80020	62	6.91	11.0	12.5	--	--	--	--
MAR											
03...	1200	80513	80020	67	6.87	11.5	11.6	--	--	--	--
APR											
28...	0945	80513	80020	61	7.01	22.5	9.8	22	35	6.5	1.7
MAY											
14...	1200	80513	80020	67	6.25	27.0	8.7	--	--	--	--
JUN											
02...	1445	80513	80020	82	6.79	27.0	8.5	--	--	--	--
JUL											
07...	1600	80513	80020	83	8.22	31.0	10.1	--	--	--	--
AUG											
03...	1800	80513	80020	99	8.40	33.0	8.5	68	18	1.8	2.3
SEP											
01...	0815	80513	80020	100	7.15	26.0	8.2	--	--	--	--

DATE	TIME	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD (MG/L AS CAC03) (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (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)
JAN											
12...	1235	24	--	--	20	10	7.7	0.200	0.040	0.020	330
APR											
28...	0945	20	5.7	1.3	17	6.5	4.7	<0.100	0.020	<0.010	240
AUG											
03...	1800	29	9.2	1.5	31	7.2	--	<0.100	0.050	<0.010	100

DATE	TIME	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO- MIUM, TOTAL	COPPER, TOTAL	IRON, TOTAL	LEAD, TOTAL	MANGA- NESE, TOTAL	MERCURY TOTAL	NICKEL, TOTAL	ZINC, TOTAL
			RECOV- ERABLE (UG/L AS CR) (01034)	RECOV- ERABLE (UG/L AS CU) (01042)	RECOV- ERABLE (UG/L AS FE) (01045)	RECOV- ERABLE (UG/L AS PB) (01051)	RECOV- ERABLE (UG/L AS MN) (01055)	RECOV- ERABLE (UG/L AS HG) (71900)	RECOV- ERABLE (UG/L AS NI) (01067)	RECOV- ERABLE (UG/L AS ZN) (01092)
JAN										
12...	1235	1	<10	3	780	<5	50	<0.10	2	<10
APR										
28...	0945	<1	<10	5	560	<5	90	0.10	<1	<10
AUG										
03...	1800	2	<1	2	290	<5	410	<0.10	4	<10

RED RIVER BASIN

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07344275 SULPHUR RIVER SOUTH OF TEXARKANA, ARK.

LOCATION.--Lat 33°14'32", long 93°59'58", in SE ¼ SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CAC03) (00900)
OCT										
14...	1240	9827	9827	7.81	19.0	20	6.3	3.1	180	98
NOV										
18...	1315	9827	9827	7.94	14.0	8.0	9.0	2.7	40	110
DEC										
16...	1240	9827	9827	7.58	9.0	30	8.8	1.6	--	78
JAN										
20...	1210	9827	9827	--	6.0	45	11.4	1.4	--	84
FEB										
17...	1247	9827	9827	7.39	11.0	50	7.0	2.2	1200	40
MAR										
31...	1215	9827	9827	7.32	12.0	25	6.5	0.9	8	50
APR										
14...	1220	9827	9827	7.42	17.0	25	5.8	1.9	20	66
MAY										
19...	1340	9827	9827	6.93	28.0	9.0	2.2	1.2	8	84
JUN										
16...	1310	9827	9827	7.61	30.0	25	5.1	5.3	12	82
JUL										
14...	1245	9827	9827	7.69	30.0	25	6.8	>5.8	12	96
AUG										
18...	1240	9827	9827	7.47	33.0	25	3.9	3.1	12	100
SEP										
15...	1215	9827	9827	7.48	27.0	20	3.9	2.4	52	98

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- 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)
OCT										
14...	1240	--	55	260	39	0.140	0.290	0.180	0.110	<1
NOV										
18...	1315	--	50	--	9	0.120	0.190	0.130	0.060	<1
DEC										
16...	1240	--	12	--	17	0.170	0.090	0.190	0.100	<1
JAN										
20...	1210	36	17	189	32	0.250	0.110	0.150	0.080	<1
FEB										
17...	1247	17	11	122	53	0.100	0.180	0.120	0.060	<1
MAR										
31...	1215	--	14	--	11	0.180	0.140	0.130	0.090	<1
APR										
14...	1220	18	28	165	18	0.120	0.220	0.200	0.090	<1
MAY										
19...	1340	--	25	--	15	0.270	--	0.120	0.100	1
JUN										
16...	1310	17	--	191	33	0.240	0.330	0.260	0.080	<1
JUL										
14...	1245	16	25	162	47	0.040	0.130	0.190	0.090	1
AUG										
18...	1240	12	40	216	33	0.110	0.230	--	0.060	--
SEP										
15...	1215	16	42	200	30	0.120	0.910	0.240	--	--

RED RIVER BASIN

07344275 SULPHUR RIVER SOUTH OF TEXARKANA, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	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)	ALDRIN, TOTAL (UG/L) (39330)	BHC TOTAL (UG/L) (39337)	BETA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (39338)	DELTA BENZENE HEXA- CHLOR- IDE TOTAL (UG/L) (34259)
OCT										
14...	1240	4	38	27	--	--	<0.002	<0.01	<0.01	<0.01
NOV										
18...	1315	8	16	<1	--	70	--	--	--	--
DEC										
16...	1240	3	<15	3	--	--	--	--	--	--
JAN										
20...	1210	3	<15	3	--	--	--	--	--	--
FEB										
17...	1247	--	<10	5	--	20	--	--	--	--
MAR										
31...	1215	<1	<15	3	--	10	<0.002	<0.01	<0.01	<0.01
APR										
14...	1220	1	<15	8	--	60	--	--	--	--
MAY										
19...	1340	2	<15	1	--	<10	<0.002	<0.01	<0.01	<0.01
JUN										
16...	1310	1	19	1	--	20	--	--	--	--
JUL										
14...	1245	2	--	--	<0.50	30	<0.002	<0.01	<0.01	<0.01
AUG										
18...	1240	2	<15	--	--	40	--	--	--	--
SEP										
15...	1215	13	<15	3	--	--	--	--	--	--
DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)
OCT										
14...	1240	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAR										
31...	1215	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAY										
19...	1340	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JUL										
14...	1245	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
DATE	TIME	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	MALA- THION, TOTAL (UG/L) (39530)	CHLOR- PYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDE- HYDE TOTAL (UG/L) (34366)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
OCT										
14...	1240	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAR										
31...	1215	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAY										
19...	1340	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JUL										
14...	1245	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
OCT										
14...	1240	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAR										
31...	1215	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAY										
19...	1340	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JUL										
14...	1245	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

RED RIVER BASIN

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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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (FTU) (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 CAC03) (00900)	SULFATE DIS-SOLVED (MG/L AS S04) (00945)
OCT 14.	1220	9827	9827	7.34	17.0	20	3.5	8.8	800	68	--
NOV 18.	1300	9827	9827	7.31	18.0	9.5	3.7	8.0	28	76	--
DEC 16.	1230	9827	9827	7.11	10.0	35	8.1	5.3	--	44	--
JAN 20.	1200	9827	9827	--	7.0	25	8.9	10	--	50	23
FEB 17.	1230	9827	9827	7.05	9.0	35	7.1	10	1600	48	22
MAR 31.	1200	9827	9827	7.26	11.0	8.8	7.1	8.0	84	56	--
APR 14.	1200	9827	9827	7.01	16.0	40	2.2	11	>6000	36	14
MAY 19.	1320	9827	9827	6.91	28.0	6.0	2.1	6.8	52	62	--
JUN 16.	1300	9827	9827	7.57	27.0	15	1.6	2.9	640	62	25
JUL 14.	1230	9827	9827	7.56	28.0	7.2	3.6	12	220	80	31
AUG 18.	1230	9827	9827	7.42	31.0	4.5	3.4	12	540	86	30
SEP 15.	1200	9827	9827	7.45	27.0	4.5	0.6	15	120	82	31

DATE	TIME	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+N03 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	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)
OCT 14.	1220	41	203	22	0.660	--	4.5	1.20	0.790	<1
NOV 18.	1300	42	--	11	0.960	2.30	5.3	0.910	0.620	<1
DEC 16.	1230	24	--	35	0.530	0.840	1.9	0.360	0.170	<1
JAN 20.	1200	30	167	21	0.630	1.90	3.2	0.610	0.320	1
FEB 17.	1230	25	156	39	0.580	1.20	1.5	0.450	0.200	<1
MAR 31.	1200	36	--	15	0.650	4.00	4.1	0.700	0.460	<1
APR 14.	1200	26	69	43	0.280	1.60	1.5	0.710	0.270	<1
MAY 19.	1320	41	--	11	0.190	--	7.1	1.20	0.960	<1
JUN 16.	1300	--	270	18	0.030	7.60	9.6	2.20	1.70	<1
JUL 14.	1230	82	298	16	0.050	10.1	25	2.20	2.50	<1
AUG 18.	1230	150	415	9	0.100	--	21	--	1.40	--
SEP 15.	1200	90	320	18	0.040	>20.0	--	2.90	--	--

RED RIVER BASIN

07344300 DAYS CREEK SOUTHEAST OF TEXARKANA, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	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)	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)
OCT 14.	1220	2	51	32	--	--	<0.002	<0.01	<0.01	<0.01
NOV 18.	1300	3	<15	2	--	90	--	--	--	--
DEC 16.	1230	5	21	7	--	--	--	--	--	--
JAN 20.	1200	5	<15	8	--	--	--	--	--	--
FEB 17.	1230	--	<15	2	--	70	--	--	--	--
MAR 31.	1200	<1	<15	2	--	20	<0.002	<0.01	<0.01	<0.01
APR 14.	1200	2	<15	13	--	50	--	--	--	--
MAY 19.	1320	4	<15	4	--	10	<0.002	<0.01	<0.01	<0.01
JUN 16.	1300	7	26	1	--	20	--	--	--	--
JUL 14.	1230	5	--	--	<0.50	20	<0.002	<0.01	<0.01	<0.01
AUG 18.	1230	4	<15	--	--	30	--	--	--	--
SEP 15.	1200	13	16	5	--	--	--	--	--	--
DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)
OCT 14.	1220	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAR 31.	1200	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAY 19.	1320	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JUL 14.	1230	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
DATE	TIME	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	MALA- THION, TOTAL (UG/L) (39530)	CHLOR- PYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDE- HYDE TOTAL (UG/L) (34366)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
OCT 14.	1220	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAR 31.	1200	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAY 19.	1320	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JUL 14.	1230	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
OCT 14.	1220	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAR 31.	1200	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAY 19.	1320	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JUL 14.	1230	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

RED RIVER BASIN

389

07344350 RED RIVER NEAR SPRING BANK, ARK.

LOCATION.--Lat 33°05'29", long 93°51'38", in NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CAC03) (00900)
OCT										
14...	1310	9827	9827	7.96	19.0	410	6.4	1.5	50	260
NOV										
18...	1345	9827	9827	7.89	14.0	65	9.4	1.9	76	170
DEC										
16...	1330	9827	9827	7.57	9.0	45	9.1	1.7	--	78
JAN										
20...	1245	9827	9827	--	7.0	55	11.1	1.2	--	110
FEB										
17...	1315	9827	9827	7.99	10.0	130	9.1	--	2200	220
MAR										
31...	1300	9827	9827	7.50	12.0	60	7.8	1.1	12	90
APR										
14...	1300	9827	9827	7.59	18.0	60	6.3	2.3	10	130
MAY										
19...	1400	9827	9827	8.09	28.0	15	8.0	1.2	4	310
JUN										
16...	1345	9827	9827	8.19	27.0	230	6.8	0.4	36	330
JUL										
14...	1320	9827	9827	8.19	28.0	210	7.4	1.5	20	250
AUG										
18...	1330	9827	9827	8.15	33.0	15	8.4	2.4	4	270
SEP										
15...	1245	9827	9827	8.21	24.0	20	8.3	2.9	56	180

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- 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)
OCT										
14...	1310	--	220	729	628	0.270	0.130	0.420	0.070	<1
NOV										
18...	1345	--	110	--	56	0.260	0.130	0.170	0.070	<1
DEC										
16...	1330	--	13	--	49	0.170	0.100	0.210	0.090	<1
JAN										
20...	1245	51	44	260	66	0.280	0.100	0.150	0.070	<1
FEB										
17...	1315	94	170	589	185	0.340	0.110	0.220	0.090	<1
MAR										
31...	1300	--	43	--	67	0.220	0.070	0.160	0.080	<1
APR										
14...	1300	50	65	310	81	0.180	0.150	0.240	0.090	<1
MAY										
19...	1400	--	190	--	42	0.100	--	0.120	0.060	<1
JUN										
16...	1345	160	--	791	329	0.380	0.050	0.270	0.070	<1
JUL										
14...	1320	13	130	565	238	0.240	0.100	0.220	0.110	<1
AUG										
18...	1330	51	190	649	49	0.090	0.030	--	0.050	--
SEP										
15...	1245	79	110	418	45	0.020	0.070	0.110	--	--

RED RIVER BASIN

07344350 RED RIVER NEAR SPRING BANK, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	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)	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)
OCT										
14...	1310	23	50	37	--	--	<0.002	<0.01	<0.01	<0.01
NOV										
18...	1345	<1	<15	<1	--	90	--	--	--	--
DEC										
16...	1330	2	9	2	--	--	--	--	--	--
JAN										
20...	1245	3	<15	4	--	--	--	--	--	--
FEB										
17...	1315	--	17	1	--	80	--	--	--	--
MAR										
31...	1300	2	18	3	--	10	<0.002	<0.01	<0.01	<0.01
APR										
14...	1300	3	<15	1	--	30	--	--	--	--
MAY										
19...	1400	2	<15	2	--	<10	<0.002	<0.01	<0.01	<0.01
JUN										
16...	1345	<1	28	<1	--	10	--	--	--	--
JUL										
14...	1320	4	--	--	0.50	20	<0.002	<0.01	<0.01	<0.01
AUG										
18...	1330	2	<15	--	--	30	--	--	--	--
SEP										
15...	1245	2	<15	6	--	--	--	--	--	--
DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLOR- DANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)
OCT										
14...	1310	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAR										
31...	1300	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
MAY										
19...	1400	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JUL										
14...	1320	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
DATE	TIME	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	MALA- THION, TOTAL (UG/L) (39530)	CHLOR- PYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDE- HYDE TOTAL (UG/L) (34366)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
OCT										
14...	1310	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAR										
31...	1300	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
MAY										
19...	1400	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JUL										
14...	1320	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
OCT										
14...	1310	<0.4	<0.4	<0.3	--	--	--	--	--	--
MAR										
31...	1300	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAY										
19...	1400	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JUL										
14...	1320	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

RED RIVER BASIN

391

07348650 BAYOU DORCHEAT NEAR TAYLOR, ARK.

LOCATION.--Lat 33°05'53", long 93°22'53", in SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
14.	1605	9827	9827	7.29	18.0	8.0	2.9	--	--
NOV									
18.	1540	9827	9827	5.72	15.0	4.5	6.8	1.1	58
DEC									
16.	1440	9827	9827	5.67	8.0	10	9.2	0.8	--
JAN									
20.	1415	9827	9827	5.82	7.0	8.3	10.8	0.8	--
FEB									
17.	1422	9827	9827	6.04	9.0	10	8.4	1.2	500
MAR									
17.	1345	9827	9827	6.15	12.0	15	7.1	1.0	540
APR									
14.	1332	9827	9827	6.40	17.0	10	5.9	1.9	32
MAY									
19.	1325	9827	9827	6.58	25.0	4.0	1.6	1.4	92
JUN									
16.	1330	9827	9827	5.99	25.0	9.0	5.2	1.4	100
JUL									
14.	1327	9827	9827	7.14	28.0	10	6.5	3.0	810
AUG									
18.	1337	9827	9827	7.49	33.0	20	--	4.7	30

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									
14.	1605	94	8.0	28	--	--	--	0.040	0.050
NOV									
18.	1540	34	10	40	132	5	0.140	<0.010	0.040
DEC									
16.	1440	18	5.0	18	--	2	0.010	0.100	--
JAN									
20.	1415	30	6.0	--	134	--	0.030	0.040	0.020
FEB									
17.	1422	36	8.0	39	121	17	0.040	0.090	0.060
MAR									
17.	1345	22	6.0	32	101	9	0.030	0.020	0.060
APR									
14.	1332	24	<1.0	39	111	11	0.050	0.090	--
MAY									
19.	1325	48	5.0	67	161	7	0.100	0.190	0.070
JUN									
16.	1330	24	5.0	39	118	--	0.040	--	0.070
JUL									
14.	1327	50	9.0	48	144	7	0.150	0.120	0.060
AUG									
18.	1337	92	8.0	58	230	9	0.100	--	0.080

07348650 BAYOU DORCHEAT NEAR TAYLOR, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
14.	1605	0.040	<1	1	<15	3	--	20
NOV								
18.	1540	0.010	<1	--	<15	<1	--	--
DEC								
16.	1440	0.010	<1	--	--	2	--	--
JAN								
20.	1415	0.010	<1	2	<15	1	--	--
FEB								
17.	1422	0.020	<1	1	<15	1	--	40
MAR								
17.	1345	0.010	--	<1	<15	--	--	--
APR								
14.	1332	0.020	<1	<1	<15	--	--	30
MAY								
19.	1325	0.050	1	1	<15	<1	--	10
JUN								
16.	1330	0.020	--	1	--	<1	--	20
JUL								
14.	1327	0.030	<1	<1	--	--	<0.50	<10
AUG								
18.	1337	0.010	<1	1	29	<1	--	50

RED RIVER BASIN

393

07349440 BODCAU CREEK NEAR LEWISVILLE, ARK.

LOCATION.--Lat 33°15'42", long 93°33'05", in SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
14.	1700	9827	9827	6.86	20.0	7.0	6.3	--	42
NOV									
18.	1445	9827	9827	5.84	14.0	8.0	6.8	1.3	80
JAN									
20.	1520	9827	9827	6.29	7.0	10	9.8	1.0	--
FEB									
17.	1451	9827	9827	6.66	10.0	15	7.2	1.2	630
MAR									
17.	1445	9827	9827	6.32	15.0	10	7.7	1.1	440
APR									
14.	1410	9827	9827	6.55	17.0	9.0	7.0	1.2	100
MAY									
19.	1415	9827	9827	6.70	28.0	6.5	4.1	1.6	26
JUN									
16.	1415	9827	9827	7.10	26.0	120	3.8	1.8	150
JUL									
14.	1400	9827	9827	6.85	31.0	15	6.5	3.4	44
AUG									
18.	1413	9827	9827	6.81	35.0	15	--	>5.8	6
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+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
14.	1700	48	5.0	58	--	--	--	0.200	0.090
NOV									
18.	1445	26	11	17	99	5	0.070	0.040	0.080
JAN									
20.	1520	22	8.0	--	86	--	0.090	0.070	0.060
FEB									
17.	1451	26	7.0	24	97	13	0.080	0.040	0.090
MAR									
17.	1445	20	6.0	20	86	12	0.080	0.050	0.110
APR									
14.	1410	20	<1.0	29	73	9	0.100	0.020	--
MAY									
19.	1415	30	7.0	23	92	8	0.240	0.080	0.160
JUN									
16.	1415	22	6.0	30	119	--	0.110	--	0.120
JUL									
14.	1400	36	8.0	47	130	15	0.080	0.090	0.120
AUG									
18.	1413	24	3.0	59	170	15	0.080	--	0.170

RED RIVER BASIN

07349440 BODCAU CREEK NEAR LEWISVILLE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
14.	1700	0.020	<1	<1	<15	1	--	30
NOV								
18.	1445	0.050	<1	--	23	1	--	--
JAN								
20.	1520	0.030	1	1	<15	2	--	--
FEB								
17.	1451	0.050	<1	<1	<15	<1	--	20
MAR								
17.	1445	0.050	--	<1	<15	--	--	--
APR								
14.	1410	0.060	<1	<1	<15	--	--	40
MAY								
19.	1415	0.120	1	4	19	4	--	30
JUN								
16.	1415	0.070	--	2	--	1	--	30
JUL								
14.	1400	0.070	<1	<1	--	--	<0.50	10
AUG								
18.	1413	0.070	<1	1	26	<1	--	50

RED RIVER BASIN

395

07355825 PRAIRIE CREEK NEAR MENA, ARK.

LOCATION.--Lat 34°34'14", long 94°11'16", in NW ¼ NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
21...	1015	9827	9827	7.42	13.0	--	9.1	3.2	310
NOV									
24...	0915	9827	9827	7.29	9.0	20	10.3	2.6	--
DEC									
29...	0925	9827	9827	7.27	6.0	9.5	11.1	5.3	80
JAN									
27...	1000	9827	9827	7.38	4.0	10	--	7.2	130
MAR									
10...	1045	9827	9827	7.28	--	8.2	--	--	16
24...	1030	9827	9827	7.41	11.0	20	10.4	3.0	500
APR									
21...	1130	9827	9827	7.30	21.0	--	--	5.7	--
MAY									
12...	1030	9827	9827	7.13	23.0	20	--	>6.0	830
JUN									
23...	1100	9827	9827	7.36	28.0	--	6.8	5.3	2300
JUL									
07...	1015	9827	9827	7.30	26.0	55	5.7	19	420
AUG									
25...	1237	9827	9827	6.68	26.0	25	3.3	--	1100
SEP									
22...	1325	9827	9827	7.80	21.0	50	7.2	17	--

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+N03 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									
21...	1015	30	13	8.5	91	--	0.200	--	3.0
NOV									
24...	0915	28	4.0	--	67	8	0.350	0.080	0.20
DEC									
29...	0925	18	6.0	7.0	64	--	0.530	0.490	0.40
JAN									
27...	1000	20	6.0	7.0	67	15	0.640	0.470	2.5
MAR									
10...	1045	18	5.0	5.5	63	9	0.080	0.150	0.30
24...	1030	14	6.0	6.0	38	10	0.290	0.070	0.20
APR									
21...	1130	24	9.0	7.5	68	15	0.210	0.220	1.8
MAY									
12...	1030	36	--	12	106	29	0.570	1.00	1.4
JUN									
23...	1100	26	5.0	10	85	29	0.260	0.150	3.6
JUL									
07...	1015	34	--	20	--	44	0.650	0.420	3.7
AUG									
25...	1237	22	10	6.5	60	15	0.590	0.140	1.1
SEP									
22...	1325	32	13	24	155	39	0.520	0.800	4.2

RED RIVER BASIN

07355825 PRAIRIE CREEK NEAR MENA, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
21...	1015	--	0.810	<1	<1	16	2	--	30
NOV									
24...	0915	0.240	0.180	<1	--	<15	4	--	30
DEC									
29...	0925	0.520	0.410	<1	1	<15	1	--	30
JAN									
27...	1000	0.750	0.500	<1	<1	--	1	--	--
MAR									
10...	1045	0.350	0.180	<1	<1	20	--	--	30
24...	1030	0.150	0.090	<1	<1	16	--	--	10
APR									
21...	1130	0.840	0.680	1	<1	3	<1	--	30
MAY									
12...	1030	2.80	2.40	1	--	<15	2	--	10
JUN									
23...	1100	1.20	0.790	<1	--	<15	2	--	--
JUL									
07...	1015	3.30	2.20	<1	4	--	3	0.70	<10
AUG									
25...	1237	0.210	0.120	<1	<15	--	--	--	40
SEP									
22...	1325	2.50	1.60	--	<1	<15	2	--	--

07356000 OUACHITA RIVER NEAR MOUNT IDA, ARK.

LOCATION.--Lat 34°36'36", long 93°41'50", in SE ¼ SW ¼ 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.--Water-discharge records good. 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.--46 years, 719 ft³/s, 520,900 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)
Mar. 17	2200	*27,000	*22.00	No other peak greater than base discharge.			
Minimum discharge, 18 ft ³ /s Aug. 23, 24, gage height, 1.12 ft.							

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	82	440	205	283	4310	705	113	547	73	50	58
2	67	80	386	192	491	2460	632	108	408	76	55	56
3	80	81	340	248	513	1730	566	105	452	74	44	58
4	122	130	299	816	419	1350	506	103	798	75	43	59
5	486	966	267	708	378	1120	455	100	519	71	48	55
6	519	813	239	602	350	941	417	102	354	66	43	49
7	320	582	230	533	333	798	386	289	266	61	42	44
8	234	472	628	468	317	683	358	368	219	58	41	41
9	189	405	1860	900	289	594	331	261	186	55	43	43
10	165	385	1540	1990	270	513	306	206	165	52	47	56
11	146	1680	1130	1310	255	448	287	174	151	51	55	60
12	289	1370	899	1030	242	399	276	156	163	49	60	62
13	438	972	728	861	230	361	316	143	332	51	49	59
14	374	754	609	736	221	328	480	189	287	51	42	64
15	288	620	561	645	467	304	373	257	206	51	41	68
16	230	521	580	577	1880	288	332	238	168	49	34	1050
17	192	440	529	517	1450	12500	296	227	147	47	28	861
18	168	385	535	621	1110	13000	268	209	133	49	25	425
19	149	333	600	942	909	3230	244	180	118	47	23	321
20	134	299	563	843	783	2160	224	149	106	46	22	254
21	119	269	501	740	782	1530	202	128	98	43	21	202
22	110	242	446	664	718	1210	186	115	90	40	20	163
23	106	228	407	584	704	1060	175	115	86	40	19	135
24	120	223	382	522	649	1400	165	223	83	37	19	113
25	127	335	353	478	714	1130	159	244	81	37	44	96
26	119	985	323	427	870	943	152	245	77	41	54	83
27	111	858	294	384	1610	834	145	273	73	40	91	73
28	103	698	272	350	4640	736	136	319	69	48	87	67
29	97	591	250	326	---	763	127	1190	64	50	73	91
30	91	504	232	302	---	905	120	1030	68	50	62	102
31	87	---	218	277	---	800	---	714	---	51	57	---
TOTAL	5841	16303	16641	19798	21877	58828	9325	8273	6514	1629	1382	4868
MEAN	188	543	537	639	781	1898	311	267	217	52.5	44.6	162
MAX	519	1680	1860	1990	4640	13000	705	1190	798	76	91	1050
MIN	61	80	218	192	221	288	120	100	64	37	19	41
AC-FT	11590	32340	33010	39270	43390	116700	18500	16410	12920	3230	2740	9660

CAL YR 1986 TOTAL 199815 MEAN 547 MAX 9220 MIN 41 AC-FT 396300
WTR YR 1987 TOTAL 171279 MEAN 469 MAX 13000 MIN 19 AC-FT 339700

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT									
14.	0900	9827	9827	7.54	15.0	9.0	8.9	1.7	170
NOV									
18.	0900	9827	9827	7.31	13.0	6.0	10.1	1.4	<4
DEC									
16.	0900	9827	9827	7.32	8.0	9.0	11.4	1.4	--
FEB									
03.	0845	9827	9827	7.42	9.0	7.7	10.9	1.0	40
MAR									
03.	1430	9827	9827	7.16	10.0	15	10.9	1.5	4
24.	0845	9827	9827	7.14	13.0	20	9.4	1.7	1700
APR									
14.	0900	9827	9827	7.10	12.0	7.5	8.5	1.4	270
MAY									
19.	0845	9827	9827	6.95	25.0	4.0	7.1	0.4	<4
JUN									
16.	0845	9827	9827	7.52	28.0	4.0	7.3	1.0	8
JUL									
14.	0850	9827	9827	7.54	27.0	3.0	7.4	1.2	20
AUG									
18.	0900	9827	9827	7.02	27.0	1.8	6.3	1.6	48
SEP									
15.	0845	9827	9827	7.56	27.0	2.2	8.0	2.2	630
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- PENDE (MG/L) (00530)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
14.	0900	30	3.0	3.0	51	8	0.200	0.030	0.050
NOV									
18.	0900	24	7.0	1.5	--	4	--	0.190	0.030
DEC									
16.	0900	18	2.0	2.5	60	4	0.220	0.080	0.090
FEB									
03.	0845	42	--	3.0	60	5	0.310	0.160	0.030
MAR									
03.	1430	16	--	3.0	27	15	0.440	0.200	0.060
24.	0845	20	4.0	4.5	27	14	0.340	0.110	0.070
APR									
14.	0900	18	3.0	2.0	21	5	0.070	<0.010	--
MAY									
19.	0845	36	2.0	2.0	29	4	0.250	0.040	0.050
JUN									
16.	0845	22	2.0	3.5	45	4	0.140	0.080	0.050
JUL									
14.	0850	34	3.0	3.0	43	4	--	0.080	0.050
AUG									
18.	0900	26	<1.0	8.5	62	3	0.100	0.010	0.040
SEP									
15.	0845	32	<1.0	2.5	46	3	0.060	<0.010	0.030

RED RIVER BASIN

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07356000 OUACHITA RIVER NEAR MOUNT IDA, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
14.	0900	0.040	<1	<1	<15	1	--	50
NOV								
18.	0900	0.050	<1	<1	<15	<1	--	40
DEC								
16.	0900	0.010	<1	<1	<15	1	--	--
FEB								
03.	0845	0.050	<1	<1	<15	1	--	<10
MAR								
03.	1430	0.050	--	--	--	--	--	--
24.	0845	0.030	--	<1	--	<1	--	<10
APR								
14.	0900	<0.010	<1	--	<15	<1	--	20
MAY								
19.	0845	0.050	<1	1	<15	--	--	<10
JUN								
16.	0845	0.030	<1	2	22	2	--	--
JUL								
14.	0850	0.050	<1	<1	--	<1	<0.50	10
AUG								
18.	0900	0.080	<1	20	<15	44	--	70
SEP								
15.	0845	--	<1	<1	<15	<1	--	--

07359500 OUACHITA RIVER NEAR MALVERN, ARK.

LOCATION.--Lat 34°23'10", long 92°50'20", in NW ¼ 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(W). 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.--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.--60 years (1925-26, 1928-87), 2,400 ft³/s, 1,739,000 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, 17,000 ft³/s Feb. 28, gage height, 11.34 ft; minimum daily, 301 ft³/s May 10.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	775	1980	2360	916	1650	7390	e4800	e800	e1100	e700	e1300	479
2	768	1460	2800	740	1900	2560	e5000	e760	e1200	e800	e760	542
3	826	1970	3110	1490	1950	2990	e5000	e900	e700	e900	e840	743
4	1150	2500	1840	1410	1910	2720	e4700	e1000	e680	e700	e700	472
5	895	3600	2170	896	781	2750	e4300	e400	e660	e860	e720	464
6	1220	2220	586	959	2000	e1800	e3800	e900	e540	e1300	e760	503
7	827	2420	727	1050	721	e1400	e4100	e1300	e600	e700	e900	531
8	2080	3090	1730	1910	626	e1450	e4400	781	e700	e740	e860	664
9	1400	2230	8390	2730	1820	e1300	e5000	592	e720	e800	e1100	555
10	1010	2380	3960	3220	1700	e2800	e3000	301	e800	e1000	e700	505
11	1170	4040	3240	2520	1100	e2900	e700	1070	e860	e860	e720	383
12	2380	3840	2870	2840	1330	e1400	e660	743	e760	e740	e740	630
13	1900	3760	782	797	738	e1100	e3000	731	e860	e700	e700	601
14	1690	2520	819	2900	592	e820	e3500	1170	e1100	e640	e780	958
15	1750	1610	2650	3110	1920	e1200	e3700	e600	e1300	e740	e720	637
16	1360	601	855	2960	2110	e2000	e3500	e800	e1400	e840	e820	3290
17	1440	2270	1230	1800	1880	e3000	e3100	e1100	e940	e960	e780	1460
18	593	2350	2440	2810	1830	e4500	e2000	e1500	e1400	e1400	e600	1950
19	555	2470	955	2670	1260	e4800	e1500	e800	e1100	e1900	536	620
20	1510	2390	892	2880	1830	e4200	e2000	e900	e1200	e1700	564	529
21	1700	2330	1890	2640	665	e4300	e2100	e800	e900	e740	562	729
22	1640	901	913	2720	1690	e4200	e1500	e740	e1200	e720	494	620
23	1580	620	2170	2600	1930	e4500	e900	e1300	e1400	e680	530	602
24	2110	641	1040	893	1960	e4500	e740	e1300	e1000	e660	499	532
25	551	1360	705	733	1150	e4700	e700	e860	e980	e700	899	647
26	711	2320	2210	1840	2130	e4400	e1000	e740	e1100	e680	540	518
27	2000	1740	679	1350	2270	e4300	e1600	e1600	e720	e860	502	557
28	2140	1180	585	1720	14500	e3900	e1500	e800	e760	e1100	491	1070
29	1290	615	702	1070	---	e3800	e1600	e600	e840	e1200	596	1040
30	1640	980	839	1710	---	e4300	e1000	e900	e760	e1000	479	563
31	1330	---	828	572	---	e5000	---	e1000	---	e900	477	---
TOTAL	41991	62388	56967	58456	55943	100980	80400	27788	28280	28220	21669	23394
MEAN	1355	2080	1838	1886	1998	3257	2680	896	943	910	699	780
MAX	2380	4040	8390	3220	14500	7390	5000	1600	1400	1900	1300	3290
MIN	551	601	585	572	592	820	660	301	540	640	477	383
AC-FT	83290	123700	113000	115900	111000	200300	159500	55120	56090	55970	42980	46400

CAL YR 1986 TOTAL 818757 MEAN 2243 MAX 34500 MIN 252 AC-FT 1624000
WTR YR 1987 TOTAL 586476 MEAN 1607 MAX 14500 MIN 301 AC-FT 1163000

e Estimated

RED RIVER BASIN

401

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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 14...	1500	9827	9827	7.25	17.0	4.0	7.5	1.1	8	30
NOV 18...	1430	9827	9827	7.28	14.0	3.0	9.2	1.2	20	30
DEC 16...	1445	9827	9827	7.19	9.0	6.0	10.7	1.1	--	16
FEB 03...	1415	9827	9827	7.45	9.0	35	11.5	1.9	<4	24
MAR 03...	1430	9827	9827	7.21	11.0	8.0	11.1	1.4	28	30
24...	1440	9827	9827	7.10	10.0	6.0	9.8	2.0	100	22
APR 14...	1530	9827	9827	7.05	13.0	4.0	9.7	1.3	24	24

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- 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)
OCT 14...	1500	9.0	7.0	50	3	0.150	0.260	0.040	0.030	<1
NOV 18...	1430	9.0	1.5	--	4	--	0.020	0.030	0.010	<1
DEC 16...	1445	5.0	2.5	60	6	0.200	0.080	0.130	0.020	<1
FEB 03...	1415	--	3.0	62	5	0.180	0.470	0.050	0.040	<1
MAR 03...	1430	--	2.5	27	5	0.370	0.030	0.040	0.020	<1
24...	1440	13	5.0	43	9	0.330	0.400	0.040	0.010	--
APR 14...	1530	11	1.0	50	3	0.250	0.220	--	0.010	<1

DATE	TIME	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	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)
OCT 14...	1500	<1	<15	1	40	<0.002	<0.01	<0.01	<0.01	<0.002
NOV 18...	1430	<1	<15	<1	50	--	--	--	--	--
DEC 16...	1445	1	<15	1	--	--	--	--	--	--
FEB 03...	1415	1	<15	<1	<10	--	--	--	--	--
MAR 03...	1430	<1	<15	--	10	<0.002	<0.01	<0.01	<0.01	<0.002
24...	1440	<1	--	<1	<10	--	--	--	--	--
APR 14...	1530	--	<15	<1	10	<0.002	<0.01	<0.01	<0.01	<0.002

RED RIVER BASIN

07359500 OUACHITA RIVER NEAR MALVERN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	CHLOR- DANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)
OCT 14...	1500	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06	<0.01
MAR 03...	1430	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06	<0.01
APR 14...	1530	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06	<0.01

DATE	TIME	MALA- THION, TOTAL (UG/L) (39530)	CHLOR- PYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ALDE- HYDE TOTAL (UG/L) (34366)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)	AROCLOR 1221 PCB TOTAL (UG/L) (39488)
OCT 14...	1500	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3	<0.4
MAR 03...	1430	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3	<0.4
APR 14...	1530	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3	<0.4

DATE	TIME	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
OCT 14...	1500	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
MAR 03...	1430	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
APR 14...	1530	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

RED RIVER BASIN

403

07359580 OUACHITA RIVER NEAR DONALDSON, ARK.

LOCATION.--Lat 34°14'16", long 92°57'32", in NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
14.	1420	9827	9827	7.20	18.0	3.0	7.8	1.6	10
NOV									
18.	1400	9827	9827	7.25	16.0	4.0	8.9	1.4	40
DEC									
16.	1400	9827	9827	7.20	10.0	7.0	10.4	1.7	--
FEB									
03.	1345	9827	9827	7.45	9.0	5.4	11.7	1.8	12
MAR									
03.	1345	9827	9827	7.30	10.0	9.0	10.9	1.5	76
24.	1405	9827	9827	7.27	13.0	6.0	9.8	2.4	84
APR									
14.	1455	9827	9827	7.40	13.0	3.5	9.7	1.3	32
MAY									
19.	1430	9827	9827	7.15	23.0	4.0	7.3	0.8	16
JUN									
16.	1430	9827	9827	7.39	28.0	4.0	7.5	1.1	12
JUL									
14.	1400	9827	9827	7.41	27.0	3.6	8.2	1.7	20
AUG									
18.	1430	9827	9827	6.88	30.0	3.0	7.1	2.0	84
SEP									
15.	1340	9827	9827	7.27	27.0	3.9	7.1	1.7	<4

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)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
14.	1420	28	6.0	6.5	43	4	0.280	0.130	0.040
NOV									
18.	1400	30	7.0	2.0	--	5	--	<0.010	0.040
DEC									
16.	1400	22	5.0	3.0	57	7	0.230	0.040	0.100
FEB									
03.	1345	20	--	4.5	56	5	0.230	0.180	0.040
MAR									
03.	1345	20	--	2.5	28	8	0.190	0.020	0.050
24.	1405	20	12	5.0	42	13	0.330	0.390	0.050
APR									
14.	1455	22	14	2.0	50	4	0.300	0.220	--
MAY									
19.	1430	32	8.0	4.0	47	7	0.200	0.060	0.060
JUN									
16.	1430	24	25	4.5	92	5	0.350	0.050	0.060
JUL									
14.	1400	30	15	4.5	65	1	--	0.060	0.050
AUG									
18.	1430	20	23	6.0	100	5	0.430	<0.010	0.050
SEP									
15.	1340	26	10	4.0	61	6	0.170	0.010	0.050

RED RIVER BASIN

07359580 OUACHITA RIVER NEAR DONALDSON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
14.	1420	0.040	<1	<1	<15	1	--	50
NOV								
18.	1400	0.010	<1	<1	<15	<1	--	50
DEC								
16.	1400	0.010	<1	<1	22	2	--	--
FEB								
03.	1345	0.040	<1	2	<15	1	--	<10
MAR								
03.	1345	0.020	<1	<1	20	--	--	10
24.	1405	0.010	--	<1	--	<1	--	<10
APR								
14.	1455	0.010	<1	--	<15	<1	--	10
MAY								
19.	1430	0.050	<1	<1	<15	--	--	<10
JUN								
16.	1430	0.040	<1	<1	26	<1	--	--
JUL								
14.	1400	0.050	<1	<1	--	<1	<0.50	30
AUG								
18.	1430	0.030	<1	<1	19	1	--	70
SEP								
15.	1340	--	<1	<1	<15	<1	--	--

RED RIVER BASIN

405

07359653 SOUTH FORK CADDO RIVER AT FANCY HILL, ARK.

LOCATION.--Lat 34°22'00", long 93°46'08", in NE ¼ SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
14.	1000	9827	9827	7.03	13.0	5.0	10.3	1.1	32
NOV									
18.	1000	9827	9827	6.98	15.0	2.0	10.0	0.9	280
DEC									
16.	1000	9827	9827	6.88	10.0	3.5	11.2	0.9	--
FEB									
03.	0945	9827	9827	7.01	9.0	3.7	11.5	0.8	36
MAR									
03.	0950	9827	9827	6.85	9.0	5.0	11.4	1.3	<4
24.	0945	9827	9827	6.90	11.0	4.5	9.1	1.2	--
APR									
14.	1000	9827	9827	7.24	12.0	8.5	9.9	0.8	80
MAY									
19.	0935	9827	9827	7.15	23.0	2.0	8.8	0.5	4
JUN									
16.	0950	9827	9827	7.22	24.0	2.0	8.6	0.9	120
JUL									
14.	0950	9827	9827	7.32	23.0	3.6	8.6	0.6	210
AUG									
18.	1000	9827	9827	6.84	26.0	1.0	9.0	1.3	190
SEP									
15.	0945	9827	9827	7.28	24.0	1.0	8.2	0.6	96
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+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
14.	1000	36	24	2.5	56	2	0.180	0.010	0.010
NOV									
18.	1000	36	18	1.0	--	1	--	<0.010	<0.010
DEC									
16.	1000	30	19	1.5	67	1	0.150	0.010	0.080
FEB									
03.	0945	26	--	4.0	83	1	0.080	0.020	0.010
MAR									
03.	0950	14	--	2.0	20	2	0.150	0.010	0.020
24.	0945	18	16	3.0	37	7	0.120	0.090	0.010
APR									
14.	1000	16	6.0	1.0	31	3	0.040	0.010	--
MAY									
19.	0935	28	16	5.0	52	2	0.060	0.010	0.030
JUN									
16.	0950	14	5.0	2.5	51	2	0.090	<0.010	0.020
JUL									
14.	0950	18	6.0	2.0	36	2	--	0.070	0.200
AUG									
18.	1000	38	22	2.5	82	<1	0.140	<0.010	0.010
SEP									
15.	0945	24	7.0	1.5	48	2	0.080	0.020	0.030

RED RIVER BASIN

07359653 SOUTH FORK CADDO RIVER AT FANCY HILL, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
14.	1000	0.020	1	<1	<15	2	--	40
NOV								
18.	1000	<0.010	<1	<1	<15	<1	--	50
DEC								
16.	1000	<0.010	<1	<1	<15	2	--	--
FEB								
03.	0945	0.040	<1	4	<15	<1	--	20
MAR								
03.	0950	0.010	<1	<1	<15	--	--	10
24.	0945	<0.010	--	<1	--	<1	--	10
APR								
14.	1000	0.010	<1	--	<15	<1	--	10
MAY								
19.	0935	0.030	<1	<1	<15	--	--	<10
JUN								
16.	0950	0.030	<1	<1	26	<1	--	--
JUL								
14.	0950	0.050	<1	<1	--	<1	<0.50	20
AUG								
18.	1000	0.020	<1	<1	<15	<1	--	<10
SEP								
15.	0945	--	<1	<1	<15	<1	--	--

RED RIVER BASIN

407

07359770 CADD0 RIVER NEAR AMITY, ARK.

LOCATION.--Lat 34°17'05", long 93°24'56", in NW ¼ SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
14.	1320	9827	9827	7.90	17.0	7.0	9.9	1.1	120
NOV									
18.	1310	9827	9827	7.59	15.0	3.0	10.1	1.0	56
DEC									
16.	1300	9827	9827	--	10.0	7.4	11.3	1.4	--
FEB									
03.	1245	9827	9827	7.74	9.0	10	12.4	1.4	36
MAR									
03.	1255	9827	9827	7.51	11.0	9.0	11.1	1.2	26
24.	1310	9827	9827	7.33	12.0	20	10.1	1.5	600
APR									
14.	1345	9827	9827	7.53	15.0	4.5	9.5	1.2	260
MAY									
19.	1345	9827	9827	7.36	24.0	2.0	7.3	0.3	16
JUN									
16.	1330	9827	9827	7.91	27.0	3.0	8.5	1.3	12
JUL									
14.	1255	9827	9827	7.97	21.0	3.5	8.1	0.8	16
AUG									
18.	1325	9827	9827	7.40	16.0	2.1	7.9	2.0	--
SEP									
15.	1235	9827	9827	7.82	27.0	2.4	8.4	2.0	110

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+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
14.	1320	42	5.0	3.5	61	6	0.250	<0.010	0.050
NOV									
18.	1310	42	8.0	1.5	--	<1	--	0.010	0.030
DEC									
16.	1300	28	3.0	2.5	73	7	0.490	0.010	0.090
FEB									
03.	1245	32	--	2.5	72	7	0.140	0.050	0.030
MAR									
03.	1255	20	--	2.5	34	5	0.360	0.020	0.040
24.	1310	26	5.0	4.0	43	13	0.280	0.010	0.050
APR									
14.	1345	40	<1.0	1.0	40	3	<0.010	<0.010	--
MAY									
19.	1345	70	3.0	2.0	96	4	0.140	0.030	0.040
JUN									
16.	1330	50	3.0	2.0	80	5	0.070	0.030	0.050
JUL									
14.	1255	52	3.0	2.5	67	5	--	0.070	0.040
AUG									
18.	1325	52	<1.0	4.0	88	2	0.090	<0.010	0.040
SEP									
15.	1235	50	1.0	2.5	71	3	0.040	0.090	0.030

RED RIVER BASIN

07359770 CADD0 RIVER NEAR AMITY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
14.	1320	0.050	<1	1	<15	1	--	40
NOV								
18.	1310	0.010	<1	<1	<15	<1	--	20
DEC								
16.	1300	0.010	<1	<1	19	1	--	--
FEB								
03.	1245	0.050	<1	4	<15	1	--	10
MAR								
03.	1255	0.020	<1	<1	19	--	--	10
24.	1310	0.020	--	<1	--	<1	--	<10
APR								
14.	1345	0.010	<1	--	<15	<1	--	<10
MAY								
19.	1345	0.050	<1	<1	<15	--	--	<10
JUN								
16.	1330	0.030	<1	<1	25	<1	--	--
JUL								
14.	1255	0.050	<1	<1	--	<1	<0.50	20
AUG								
18.	1325	0.030	<1	<1	23	<15	--	30
SEP								
15.	1235	--	<1	<1	<15	<1	--	--

RED RIVER BASIN

409

07360200 LITTLE MISSOURI RIVER NEAR LANGLEY, ARK.

LOCATION.--Lat 34°18'41", long 93°53'58", in SW ¼ 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.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
14.	1100	9827	9827	7.37	13.0	4.0	10.5	1.2	180
NOV									
18.	1105	9827	9827	7.24	15.0	2.0	9.2	<0.1	20
DEC									
16.	1053	9827	9827	7.15	10.0	4.0	11.4	0.9	--
FEB									
03.	1030	9827	9827	7.28	9.0	3.5	11.7	1.0	60
MAR									
03.	1100	9827	9827	7.08	10.0	4.0	11.7	1.2	32
24.	1110	9827	9827	7.12	12.0	6.0	10.5	1.1	24
APR									
14.	1130	9827	9827	7.13	11.0	5.0	9.9	0.9	56
MAY									
19.	1125	9827	9827	7.07	23.0	2.0	8.1	0.1	12
JUN									
16.	1115	9827	9827	7.49	26.0	1.5	8.0	0.8	20
JUL									
14.	1100	9827	9827	7.59	24.0	2.5	8.2	0.6	48
AUG									
18.	1130	9827	9827	7.34	27.0	1.2	8.3	1.3	12
SEP									
15.	1130	9827	9827	7.39	25.0	1.3	8.2	1.6	32
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									
14.	1100	18	2.0	2.0	24	2	0.080	0.040	0.010
NOV									
18.	1105	18	5.0	1.0	--	<1	--	0.010	<0.010
DEC									
16.	1053	14	2.0	1.5	49	1	0.120	0.020	0.080
FEB									
03.	1030	18	--	2.0	68	1	0.050	0.060	0.010
MAR									
03.	1100	<12	--	2.5	16	<1	0.130	0.030	0.020
24.	1110	14	2.0	3.5	23	1	0.120	0.010	0.020
APR									
14.	1130	14	3.0	1.5	18	3	0.020	<0.010	--
MAY									
19.	1125	28	1.0	1.0	25	2	0.020	0.010	0.020
JUN									
16.	1115	22	1.0	2.0	44	1	0.060	0.030	0.010
JUL									
14.	1100	26	3.0	2.5	36	1	--	0.050	0.020
AUG									
18.	1130	20	<1.0	3.0	52	3	0.120	<0.010	0.010
SEP									
15.	1130	20	<1.0	1.5	34	3	0.050	0.020	0.010

RED RIVER BASIN

07360200 LITTLE MISSOURI RIVER NEAR LANGLEY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
14.	1100	0.020	<1	<1	<15	1	--	30
NOV								
18.	1105	0.010	<1	<1	<15	<1	--	40
DEC								
16.	1053	<0.010	<1	<1	<15	1	--	--
FEB								
03.	1030	0.040	<1	5	<15	1	--	10
MAR								
03.	1100	0.010	--	--	--	--	--	--
24.	1110	<0.010	--	<1	--	<1	--	<10
APR								
14.	1130	0.010	<1	--	<15	<1	--	<10
MAY								
19.	1125	0.030	<1	<1	<15	--	--	<10
JUN								
16.	1115	0.010	<1	<1	25	<1	--	--
JUL								
14.	1100	0.040	<1	<1	--	<1	<0.50	30
AUG								
18.	1130	0.040	<1	26	<15	42	--	40
SEP								
15.	1130	--	<1	<1	<15	1	--	--

RED RIVER BASIN

411

07361022 PRAIRIE CREEK AT MURFREESBORO, ARK.

LOCATION.--Lat 34°04'02", long 93°40'58", in NE ¼ SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT									
14...	1215	9827	9827	6.91	16.0	25	9.0	1.2	700
NOV									
18...	1200	9827	9827	6.95	16.0	5.0	9.8	1.3	32
DEC									
16...	1140	9827	9827	6.82	11.0	8.0	11.1	1.1	--
FEB									
03...	1125	9827	9827	7.08	10.0	10	11.3	1.2	32
MAR									
03...	1150	9827	9827	7.02	11.0	9.0	11.4	1.4	20
24...	1205	9827	9827	7.01	12.0	25	10.2	1.9	290
APR									
14...	1235	9827	9827	7.20	15.0	5.5	9.4	1.4	160
MAY									
19...	1220	9827	9827	7.24	25.0	1.5	6.5	0.7	64
JUN									
16...	1215	9827	9827	7.25	30.0	3.0	6.8	2.1	24
JUL									
14...	1150	9827	9827	6.88	24.0	4.9	6.1	2.5	130
AUG									
18...	1230	9827	9827	6.77	29.0	3.0	7.1	4.5	72
SEP									
15...	1120	9827	9827	7.33	27.0	3.6	7.6	3.2	32

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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
14...	1215	18	4.0	5.0	49	9	0.150	0.020	0.30
NOV									
18...	1200	16	5.0	2.5	--	1	--	<0.010	0.30
DEC									
16...	1140	14	4.0	3.0	47	3	0.330	0.010	<0.10
FEB									
03...	1125	12	--	5.5	54	3	0.210	0.020	<0.10
MAR									
03...	1150	12	--	2.5	16	3	0.340	0.030	<0.10
24...	1205	<12	5.0	3.5	33	11	0.220	0.030	<0.10
APR									
14...	1235	12	3.0	3.0	19	3	0.250	<0.010	<0.10
MAY									
19...	1220	14	2.0	5.0	31	3	0.160	0.020	0.20
JUN									
16...	1215	16	2.0	4.5	48	4	0.190	0.020	0.50
JUL									
14...	1150	16	3.0	4.5	37	3	--	0.080	7.1
AUG									
18...	1230	24	1.0	6.0	63	5	0.070	<0.010	1.5
SEP									
15...	1120	28	<1.0	6.0	59	6	0.030	0.020	--

RED RIVER BASIN

07361022 PRAIRIE CREEK AT MURFREESBORO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
14...	1215	0.050	0.040	<1	<1	<15	2	--	40
NOV									
18...	1200	0.020	0.010	<1	<1	<15	<1	--	40
DEC									
16...	1140	0.080	0.010	<1	<1	<15	1	--	--
FEB									
03...	1125	0.030	0.040	<1	3	<15	<1	--	10
MAR									
03...	1150	0.030	0.010	<1	<1	19	--	--	<10
24...	1205	0.060	0.020	--	<6	--	<1	--	<10
APR									
14...	1235	--	0.010	<1	--	<15	<1	--	<10
MAY									
19...	1220	0.050	0.040	<1	<1	<15	--	--	<10
JUN									
16...	1215	0.100	0.060	<1	<1	28	<1	--	--
JUL									
14...	1150	0.140	0.100	<1	<1	--	1	<0.50	20
AUG									
18...	1230	0.340	0.230	<1	<1	25	1	--	70
SEP									
15...	1120	0.580	--	<1	<1	<15	<1	--	--

RED RIVER BASIN

413

07361025 PRAIRIE CREEK NEAR MURFREESBORO, ARK.

LOCATION.--Lat 34°02'34", long 93°41'02", in SE ¼ NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT									
14...	1230	9827	9827	7.02	16.0	15	8.8	1.7	290
NOV									
18...	1215	9827	9827	6.99	16.0	5.5	9.8	2.2	44
DEC									
16...	1205	9827	9827	7.08	11.0	10	11.0	1.6	--
FEB									
03...	1150	9827	9827	7.19	10.0	15	11.7	1.8	46
MAR									
03...	1210	9827	9827	6.94	11.0	10	11.2	1.6	24
24...	1225	9827	9827	7.13	14.0	25	10.0	2.5	430
APR									
14...	1255	9827	9827	7.14	15.0	5.5	9.6	2.6	36
MAY									
19...	1240	9827	9827	7.02	25.0	5.0	7.5	2.2	44
JUN									
16...	1235	9827	9827	7.79	28.0	8.0	10.2	3.6	88
JUL									
14...	1215	9827	9827	7.27	27.0	10	4.2	>5.6	150
AUG									
18...	1250	9827	9827	7.09	30.0	4.2	6.4	>5.4	48
SEP									
15...	1140	9827	9827	7.15	27.0	7.3	2.3	5.2	10

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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
14...	1230	26	4.0	5.0	67	8	0.200	0.060	0.40
NOV									
18...	1215	20	6.0	3.0	--	2	--	0.100	0.30
DEC									
16...	1205	20	4.0	3.5	62	3	0.410	0.180	0.20
FEB									
03...	1150	20	--	6.0	69	3	0.270	0.120	<0.10
MAR									
03...	1210	14	--	4.0	32	4	0.400	0.250	<0.10
24...	1225	12	5.0	5.0	46	13	0.250	0.120	0.20
APR									
14...	1255	24	1.0	4.0	38	4	0.360	0.170	0.10
MAY									
19...	1240	44	5.0	6.0	65	10	0.300	0.010	0.90
JUN									
16...	1235	36	3.0	12	97	13	0.480	0.020	0.90
JUL									
14...	1215	40	5.0	11	92	16	--	1.20	2.2
AUG									
18...	1250	46	<1.0	13	119	11	0.200	0.160	1.6
SEP									
15...	1140	40	5.0	31	199	20	0.020	0.150	--

RED RIVER BASIN

07361025 PRAIRIE CREEK NEAR MURFREESBORO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
14...	1230	0.120	0.100	<1	<1	<15	2	--	70
NOV									
18...	1215	0.100	0.090	<1	<1	<15	<1	--	70
DEC									
16...	1205	0.160	0.090	<1	2	<15	2	--	--
FEB									
03...	1150	0.110	0.110	<1	3	<15	6	--	10
MAR									
03...	1210	0.140	0.100	1	<1	19	--	--	<10
24...	1225	0.120	0.070	--	<6	--	<1	--	<10
APR									
14...	1255	--	0.180	<1	--	<15	<1	--	10
MAY									
19...	1240	0.550	0.450	<1	<1	<15	--	--	<10
JUN									
16...	1235	1.50	1.30	<1	<1	29	<1	--	--
JUL									
14...	1215	1.84	1.60	<1	<1	--	<1	<0.50	30
AUG									
18...	1250	1.40	1.00	<1	<1	<15	<1	--	<10
SEP									
15...	1140	6.40	--	<1	2	<15	2	--	--

07361500 ANTOINE RIVER AT ANTOINE, ARK.

LOCATION.--Lat 34°02'20", long 93°25'05", in NW ¼ NW ¼ 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.

WATER 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.

RECORDS.--Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--33 years, 272 ft³/s, 20.75 in/yr, 197,100 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. 9	unknown	unknown	unknown				
No flow at times.							

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	e70	e70	e65	288	1850	143	13	31	191	7.8	.00
2	18	e65	e60	e60	211	1010	130	24	27	104	7.1	.00
3	23	e60	e50	e70	170	703	131	23	33	51	5.1	.00
4	22	e380	e45	e70	146	523	112	19	23	36	4.2	.00
5	22	e740	e40	e85	134	411	96	25	16	26	3.4	.00
6	92	e330	e40	e110	131	336	88	18	13	18	2.9	.00
7	37	e250	e65	e160	121	278	83	16	11	12	2.2	.00
8	24	e140	e250	229	107	242	76	16	9.2	8.6	1.6	.00
9	48	e220	e5600	406	92	212	70	14	8.3	6.6	1.2	.00
10	e70	e700	e1900	939	86	182	64	12	8.0	4.8	.93	.00
11	e60	e2200	e880	561	83	155	59	11	7.2	3.7	.80	.00
12	e50	e1400	e590	424	79	137	57	25	6.8	2.9	.57	.00
13	e45	e1100	e420	347	76	122	76	185	7.0	3.1	.24	.00
14	e35	e890	e310	295	168	112	183	63	8.5	2.3	.15	.00
15	e30	e730	e260	264	1590	103	107	40	7.6	1.7	.05	.0
16	e25	e610	e420	234	883	95	83	30	8.0	2.4	.00	.03
17	e25	e500	e420	211	600	1460	71	25	9.0	2.3	.00	65
18	e25	e420	e310	219	450	2190	61	36	8.0	1.6	.00	31
19	e20	e340	e260	468	358	781	54	28	8.4	1.1	.00	17
20	e20	e260	e250	372	378	506	46	23	9.5	.86	.00	10
21	e20	e180	e210	311	334	372	40	22	11	.73	.00	7.9
22	e20	e140	e180	280	286	291	32	17	9.1	.65	.00	6.3
23	e15	e90	e130	246	250	290	26	21	8.9	.55	.00	4.8
24	e180	280	e110	212	245	597	23	231	8.7	.71	.00	3.3
25	e160	728	e90	186	240	362	21	196	7.6	1.4	.00	2.5
26	e140	425	e120	164	796	285	20	119	7.6	2.7	.00	2.1
27	e120	317	e100	138	1550	247	17	83	9.8	3.6	.00	2.5
28	e100	242	e90	121	5060	217	16	58	16	4.4	.00	2.9
29	e90	179	e80	109	---	191	14	43	15	5.3	.00	3.8
30	e80	101	e75	94	---	192	15	34	12	8.4	.00	4.4
31	e75	---	e70	108	---	174	---	45	---	7.5	.00	---
TOTAL	1708	14087	13495	7548	14912	14626	2014	1515	365.2	515.90	38.24	163.53
MEAN	55.1	470	435	243	533	472	67.1	48.9	12.2	16.6	1.23	5.45
MAX	180	2200	5600	939	5060	2190	183	231	33	191	7.8	65
MIN	15	60	40	60	76	95	14	11	6.8	.55	.00	.00
AC-FT	3390	27940	26770	14970	29580	29010	3990	3010	724	1020	76	324
CFSM	.31	2.64	2.45	1.37	2.99	2.65	.38	.27	.07	.09	.0	.0
IN.	.36	2.94	2.82	1.58	3.12	3.06	.42	.32	.08	.11	.0	.0

CAL YR 1986 TOTAL 90068.66 MEAN 247 MAX 11600 MIN 2.6 AC-FT 178700 CFSM 1.39 IN. 18.8
 NTR YR 1987 TOTAL 70987.44 MEAN 194 MAX 5600 MIN .00 AC-FT 140800 CFSM 1.09 IN. 14.8

e Estimated

07361600 LITTLE MISSOURI RIVER NEAR BOUGHTON, ARK.

LOCATION.--Lat 33°52'32", long 93°18'16", in NE ¼ 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 Antioine 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L; 100 ML) (00310)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
OCT									
15.	0530	9827	9827	7.45	13.0	15	8.7	0.3	40
NOV									
18.	0530	9827	9827	7.32	12.0	9.5	9.5	0.6	20
DEC									
16.	0430	9827	9827	7.22	10.0	20	10.4	1.2	--
JAN									
21.	0530	9827	9827	--	4.0	20	12.0	--	--
FEB									
17.	0530	9827	9827	7.37	4.0	35	10.6	1.7	630
MAR									
31.	0600	9827	9827	7.40	10.0	15	--	1.1	12
APR									
14.	0530	9827	9827	7.33	13.0	20	9.3	1.4	360
MAY									
20.	0520	9827	9827	7.29	25.0	15	6.4	0.7	24
JUN									
17.	0530	9827	9827	7.80	27.0	15	6.7	1.1	32
JUL									
15.	0530	9827	9827	7.68	24.0	35	6.8	1.2	160
AUG									
19.	0530	9827	9827	7.04	28.0	10	6.6	1.0	20
SEP									
16.	0530	9827	9827	7.22	22.0	9.4	8.0	0.8	190

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)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
15.	0530	26	--	5.0	56	10	0.180	0.100	0.060
NOV									
18.	0530	40	--	--	--	10	0.350	0.050	0.050
DEC									
16.	0430	38	--	4.0	--	17	0.210	0.050	0.140
JAN									
21.	0530	26	11	6.5	73	10	0.170	0.100	0.050
FEB									
17.	0530	36	0.1	4.0	86	32	0.170	0.090	0.090
MAR									
31.	0600	18	--	4.0	--	15	0.160	0.030	0.050
APR									
14.	0530	20	7.0	3.0	46	15	0.150	0.060	0.110
MAY									
20.	0520	48	--	4.5	--	12	0.230	--	0.100
JUN									
17.	0530	52	9.0	--	95	13	0.170	0.070	0.090
JUL									
15.	0530	42	11	5.0	78	29	0.300	0.110	0.120
AUG									
19.	0530	20	8.0	4.5	67	9	0.150	0.060	--
SEP									
16.	0530	14	2.0	2.5	27	9	0.150	0.040	0.050

07361600 LITTLE MISSOURI RIVER NEAR BOUGHTON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
15.	0530	0.100	<1	<1	44	80	--	--
NOV								
18.	0530	0.050	<1	1	<15	11	--	80
DEC								
16.	0430	0.040	<1	5	<15	1	--	--
JAN								
21.	0530	0.050	<1	2	<15	2	--	--
FEB								
17.	0530	0.040	<1	--	<15	1	--	10
MAR								
31.	0600	0.010	<1	1	<15	1	--	10
APR								
14.	0530	0.030	<1	1	<15	4	--	120
MAY								
20.	0520	0.150	<1	10	<15	4	--	10
JUN								
17.	0530	0.070	<1	5	88	--	--	120
JUL								
15.	0530	0.120	<1	70	--	--	0.60	10
AUG								
19.	0530	0.150	--	4	<15	--	--	40
SEP								
16.	0530	--	--	13	<15	4	--	--

LOCATION.--Lat 33°35'47", Long 92°49'05", in SE ¼ sec.14, T.13 S., R.17 W., Ouachita County, Hydrologic Unit 08040102, at bridge on U.S. Highway 79 at Camden, 3.4 mi downstream from Ecore Fabre Bayou, 6.2 mi upstream from Two Bayou Creek, and at mile 354.1.

WATER-DISCHARGE RECORDS

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, 1938, to May 31, 1949, supplementary nonrecording gage, 4.5 mi upstream. Since Jan. 1, 1957, auxiliary water-stage recorder, 3.2 mi downstream.

AVERAGE DISCHARGE.--59 years, 7,509 ft³/s, 5,440,000 acre-ft/yr.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 42,700 ft³/s Mar. 3; maximum gage height, 33.11 ft Mar. 4; minimum daily discharge, 652 ft³/s Aug. 18.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1560	2710	4900	2460	3140	24600	9060	2130	2170	1140	1310	720
2	1660	2270	4650	2330	4390	34200	8980	1670	2260	1210	1590	736
3	1600	2610	6350	2390	8040	41000	8260	6030	2690	1560	1340	754
4	1630	2270	6460	4540	9020	40400	8140	6540	2520	1580	977	734
5	1480	3620	5180	8800	8100	33900	7700	4790	1930	1740	885	912
6	1960	8830	5250	8740	6560	25500	7090	3180	1770	1400	812	959
7	1660	8460	3860	7430	4940	18000	6530	3150	1720	1220	770	913
8	2040	9720	3630	6300	4710	12700	6350	7470	1420	1300	791	1240
9	2010	15400	12400	5050	3460	9870	6380	7750	1250	1330	874	1240
10	2940	14800	21800	5430	3410	8340	6070	5080	1210	1150	1210	1110
11	2340	13900	27700	8760	3810	7230	5640	2640	1190	1170	938	1050
12	2090	17400	31100	8880	3420	7750	4720	1650	1160	1440	861	1350
13	2050	18800	31500	7520	2750	7970	2400	1640	1190	1370	778	866
14	3120	17500	26800	5970	2490	6980	2170	1500	1260	1230	716	851
15	2750	13800	17100	4770	2660	5450	4990	1660	1320	1250	681	1060
16	2530	8730	12800	5560	9000	4890	6600	1790	1450	1230	711	1700
17	2370	5390	11500	5630	14200	4940	5690	1600	2080	1100	703	3700
18	2010	4660	9660	5210	15700	6090	4480	1940	2350	1020	652	4800
19	2000	6180	9630	5320	15900	12500	3840	2440	1880	1260	732	3720
20	1400	5600	10500	7550	12900	15400	2680	3340	1970	1360	797	3330
21	1250	5290	9240	7900	11200	16500	2230	2070	1690	1840	780	1450
22	1720	5070	7210	7610	11000	16500	2690	1600	1810	1630	716	1210
23	2410	5420	6360	6840	9850	12500	3670	1570	1380	1130	725	1710
24	3200	4700	5860	5690	9840	11300	2520	1650	1810	1000	838	1670
25	3800	4920	6280	5480	8210	13800	1820	6490	1600	957	794	1770
26	4430	7740	5300	4130	7120	14700	1270	11200	1440	1020	805	1500
27	2740	12400	4630	3850	10000	13600	1150	11300	1270	1150	1070	1360
28	2390	13000	4870	4320	16500	12000	1160	8120	1270	1480	784	2170
29	3770	10500	3390	4060	---	9740	1620	5890	1250	1180	739	1670
30	3660	7550	2760	3790	---	7860	1930	3760	1140	1370	718	1410
31	2770	---	2560	2990	---	8110	---	2440	---	1080	748	---
TOTAL	73340	259240	321230	175300	222320	464320	137830	124080	49450	39897	26845	47665
MEAN	2366	8641	10360	5655	7940	14980	4594	4003	1648	1287	866	1589
MAX	4430	18800	31500	8880	16500	41000	9060	11300	2690	1840	1590	4800
MIN	1250	2270	2560	2330	2490	4890	1150	1500	1140	957	652	720
AC-FT	145500	514200	637200	347700	441000	921000	273400	246100	98080	79140	53250	945400
CAL YR 1986	TOTAL 2416030											
WTR YR 1987	MEAN 6619											
	MAX 37600											
	MIN 995											
	AC-FT 4792000											
	MIN 652											
	AC-FT 3851000											

RED RIVER BASIN

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07362000 OUACHITA RIVER AT CAMDEN, ARK.--CONTINUED

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	BARO- METRIC PRES- SURE (MM OF HG) (00025)
OCT 22...	1000	80513	80020	1700	88	6.90	17.5	6.0	7.4	78	760
FEB 11...	1000	80513	80020	4060	92	7.80	10.0	6.9	10.8	95	765
JUN 09...	0915	80513	80020	1360	97	7.50	26.5	15	7.2	90	763
JUL 30...	0815	80513	80020	1970	83	7.10	31.0	17	5.7	77	763
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 WH WAT (MG/L AS CAC03) (00900)	HARD- NESS NONCARB WH WAT TOT FLD 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)
OCT 22...	1000	5	21	24	10	6.8	1.7	5.3	31	0.5	1.5
FEB 11...	1000	0	K60	22	7	6.3	1.5	6.7	38	0.6	1.2
JUN 09...	0915	11	12	26	5	7.9	1.6	6.5	33	0.6	1.7
JUL 30...	0815	20	11	18	2	5.0	1.4	7.2	44	0.8	1.5
DATE	TIME	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	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 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 22...	1000	14	0	16	6.2	6.3	<0.10	5.0	67	41	0.09
FEB 11...	1000	15	0	18	11	7.6	<0.10	6.8	55	51	0.08
JUN 09...	0915	21	0	23	12	7.5	<0.10	6.5	65	56	0.09
JUL 30...	0815	16	0	19	11	4.5	0.20	5.4	38	46	0.05
DATE	TIME	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, DIS- SOLVED (MG/L AS P) (00665)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS, ORTHOPHOS- PHATE, DIS- SOLVED (MG/L AS P) (00671)	BIARIUM, DIS- SOLVED (UG/L AS BA) (01005)
OCT 22...	1000	<0.010	0.200	0.020	0.030	0.18	0.20	0.030	0.020	<0.010	30
FEB 11...	1000	<0.010	0.210	0.120	0.120	0.58	0.70	0.030	0.040	0.020	29
JUN 09...	0915	<0.010	0.220	<0.010	0.030	--	0.70	0.060	0.010	<0.010	29
JUL 30...	0815	<0.010	0.120	0.030	0.060	0.67	0.70	0.060	0.010	0.010	20

RED RIVER BASIN

07362000 OUACHITA RIVER AT CAMDEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	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)
OCT 22...	1000	20	<1	<0.5	<1	<1	<3	2	150	<5	<4
FEB 11...	1000	120	<1	<0.5	<1	<1	<3	3	320	<5	<4
JUN 09...	0915	90	1	0.8	<1	<1	<3	<10	520	<10	<4
JUL 30...	0815	70	<1	<0.5	<1	<1	<3	2	99	<5	<4

DATE	TIME	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	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 22...	1000	60	<0.1	<10	2	<1	<1	44	11	6	84
FEB 11...	1000	59	0.1	<10	2	<1	<1	53	11	14	79
JUN 09...	0915	140	0.2	<10	<1	<1	<1	70	12	27	84
JUL 30...	0815	48	4.2	<10	3	<1	<1	47	15	29	76

RED RIVER BASIN

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07362065 OUACHITA RIVER BELOW CAMDEN, ARK.

LOCATION.--Lat 33°29'03", long 92°45'11", in NE ¼ SE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT									
14...	1209	9827	9827	7.20	20.0	25	8.0	--	140
NOV									
18...	1115	9827	9827	6.87	13.0	20	8.8	1.3	210
DEC									
16...	1130	9827	9827	6.63	9.0	40	8.1	1.6	--
JAN									
20...	1058	9827	9827	7.05	6.0	15	11.4	1.0	--
FEB									
17...	1100	9827	9827	7.06	11.0	60	8.9	2.3	1300
MAR									
17...	1130	9827	9827	6.76	14.0	20	9.4	0.7	6
APR									
14...	1057	9827	9827	6.87	18.0	15	8.1	0.7	16
MAY									
19...	1100	9827	9827	6.87	--	15	7.0	0.5	16
JUN									
16...	1035	9827	9827	7.23	29.0	30	6.5	1.1	120
JUL									
14...	1050	9827	9827	7.43	31.0	20	7.9	1.4	12
AUG									
18...	1049	9827	9827	7.22	29.0	7.8	--	3.9	84
SEP									
15...	1024	9827	9827	7.33	28.0	6.5	--	2.4	52
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+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) (00625)
OCT									
14...	1209	26	7.0	5.0	--	--	--	0.040	0.60
NOV									
18...	1115	28	10	4.5	64	28	0.180	0.010	0.90
DEC									
16...	1130	22	7.0	4.5	--	53	0.080	0.060	<0.10
JAN									
20...	1058	22	8.0	--	70	--	0.160	0.030	<0.10
FEB									
17...	1100	28	10	7.5	84	73	0.130	0.190	0.30
MAR									
17...	1130	22	8.0	5.5	63	19	0.180	0.050	<0.10
APR									
14...	1057	24	4.0	4.5	49	17	0.160	0.080	<0.10
MAY									
19...	1100	22	8.0	7.5	67	24	0.290	0.070	0.60
JUN									
16...	1035	24	14	9.5	85	--	0.120	--	0.40
JUL									
14...	1050	30	16	7.0	77	17	0.150	0.110	--
AUG									
18...	1049	20	22	9.0	110	7	0.190	--	1.5
SEP									
15...	1024	28	--	5.0	80	10	0.130	0.070	--

RED RIVER BASIN

07362065 OUACHITA RIVER BELOW CAMDEN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
14...	1209	0.070	0.040	<1	1	<15	3	--	20
NOV									
18...	1115	0.080	0.020	<1	--	<15	8	--	--
DEC									
16...	1130	--	0.040	<1	--	--	1	--	--
JAN									
20...	1058	0.050	0.010	<1	1	<15	1	--	--
FEB									
17...	1100	0.160	0.050	<1	1	<15	2	--	20
MAR									
17...	1130	0.070	0.020	--	<1	<15	--	--	--
APR									
14...	1057	--	0.020	<1	<1	<15	--	--	10
MAY									
19...	1100	0.090	0.070	<1	1	<15	6	--	<10
JUN									
16...	1035	0.100	0.040	--	1	--	<1	--	<10
JUL									
14...	1050	0.070	0.040	<1	<1	--	--	<0.50	<10
AUG									
18...	1049	0.090	0.030	<1	1	<15	<1	--	20
SEP									
15...	1024	0.060	0.010	--	1	<15	7	--	20

07362100 SMACKOVER CREEK NEAR SMACKOVER, ARK.

LOCATION.--Lat 33°22'33", long 92°46'37", in NW ¼ SE ¼ 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.--Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--26 years, 396 ft³/s, 13.97 in/yr, 286,900 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)
Nov. 26	1000	3,210	14.69	Mar. 1	1100	6,920	17.16
Dec. 10	1200	*8,830	*18.00				

Minimum discharge, 0.22 ft³/s Aug. 27.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e6.0	77	1060	329	322	6570	210	36	158	56	14	.93
2	e5.5	65	636	301	1000	5010	196	34	161	91	13	.67
3	e5.0	52	396	382	1460	2680	227	34	178	86	12	1.9
4	e4.5	48	309	1040	1560	1910	260	46	540	108	12	2.0
5	e15	75	259	1460	1280	1470	239	45	619	81	13	2.0
6	e40	201	226	1510	1010	1090	200	65	334	53	14	1.8
7	18	273	210	1240	928	737	178	104	128	37	42	1.5
8	e20	685	865	997	1070	521	165	344	87	30	16	1.2
9	e65	1590	4520	693	1020	439	156	373	68	42	13	.92
10	e120	2000	8480	659	782	389	147	231	56	28	11	.78
11	e100	1840	5810	693	519	333	137	103	49	39	10	.78
12	e130	1570	2920	621	395	288	128	72	67	38	9.0	1.4
13	e220	1440	2030	472	355	262	122	57	430	30	8.3	1.7
14	283	1290	1570	385	334	247	126	47	654	24	7.0	2.3
15	e220	933	1250	364	719	238	139	41	694	21	5.9	3.1
16	e160	464	1130	359	1870	237	145	49	713	17	5.0	3.2
17	e100	282	1170	358	2240	280	126	40	636	15	4.1	3.2
18	e55	245	1170	759	1970	687	112	48	505	15	3.4	11
19	e30	218	1120	1400	1550	843	105	97	455	14	2.8	18
20	e20	207	1020	1680	1420	779	97	88	262	13	3.0	4.8
21	19	255	853	1500	1850	544	86	60	149	11	4.0	2.4
22	20	281	663	1150	2190	327	75	44	111	11	3.6	5.4
23	18	967	645	787	1980	304	69	45	89	11	2.8	4.3
24	123	1870	1110	506	1670	699	62	67	78	10	2.3	2.9
25	995	2760	1350	468	1470	857	56	189	66	10	1.7	2.8
26	1250	3160	1300	571	1480	746	51	624	68	10	.91	2.4
27	1300	2960	1070	619	2080	463	47	973	63	11	.59	2.3
28	804	2410	791	555	3830	296	46	1260	52	10	1.4	2.0
29	224	1800	530	421	---	243	44	725	44	10	1.5	2.0
30	125	1440	407	367	---	216	42	171	38	13	1.8	1.6
31	95	---	362	332	---	211	---	134	---	34	1.3	---
TOTAL	6590.0	31458	45232	22978	38354	29916	3793	6246	7552	979	240.40	91.28
MEAN	213	1049	1459	741	1370	965	126	201	252	31.6	7.75	3.04
MAX	1300	3160	8480	1680	3830	6570	260	1260	713	108	42	18
MIN	4.5	48	210	301	322	211	42	34	38	10	.59	.67
AC-FT	13070	62400	89720	45580	76080	59340	7520	12390	14980	1940	477	181
CFSM	.55	2.72	3.79	1.93	3.56	2.51	.33	.52	.65	.08	.0	.0
IN.	.64	3.04	4.37	2.22	3.71	2.89	.37	.60	.73	.09	.0	.0
AL YR 1986	TOTAL 224413.00	MEAN 615	MAX 28100	MIN 4.5	AC-FT 445100	CFSM 1.60	IN. 21.7					
R YR 1987	TOTAL 193429.00	MEAN 530	MAX 8480	MIN .59	AC-FT 383700	CFSM 1.38	IN. 18.7					

e Estimated

RED RIVER BASIN

07362110 SMACKOVER CREEK NORTH OF SMACKOVER, ARK.

LOCATION.--Lat 33°22'46", long 92°43'09", in NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
14.	1247	9827	9827	6.00	18.0	30	7.3	--	800
NOV									
18.	1150	9827	9827	5.55	14.0	8.0	7.9	6.0	12
DEC									
16.	1150	9827	9827	5.80	8.0	15	9.4	0.9	--
JAN									
20.	1027	9827	9827	5.98	5.0	25	10.4	1.3	--
FEB									
17.	1034	9827	9827	6.00	10.0	25	8.2	1.2	1100
MAR									
17.	1207	9827	9827	6.17	15.0	20	8.6	0.9	20
APR									
14.	1125	9827	9827	6.39	17.0	9.5	6.9	1.4	28
MAY									
19.	1200	9827	9827	6.72	28.0	4.0	8.0	2.7	<4
JUN									
16.	1120	9827	9827	6.13	24.0	25	5.3	1.5	230
JUL									
14.	1130	9827	9827	6.49	28.0	20	7.3	6.3	8
AUG									
18.	1144	9827	9827	6.69	30.0	15	--	5.6	8
SEP									
15.	1112	9827	9827	6.86	27.0	5.4	--	3.7	4

DATE	TIME	HARD- NESS (MG/L 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)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
14.	1247	98	6.0	210	--	--	--	0.070	0.080
NOV									
18.	1150	76	13	160	372	12	0.370	0.040	0.040
DEC									
16.	1150	40	6.0	80	--	17	0.080	0.050	--
JAN									
20.	1027	44	10	--	201	--	0.050	0.040	0.070
FEB									
17.	1034	42	8.0	57	164	23	0.060	0.050	0.100
MAR									
17.	1207	54	6.0	160	293	11	0.030	0.050	0.050
APR									
14.	1125	68	1.0	180	360	9	0.040	0.070	--
MAY									
19.	1200	66	6.0	150	314	9	0.120	0.060	0.060
JUN									
16.	1120	34	5.0	100	193	--	0.080	--	0.100
JUL									
14.	1130	80	5.0	210	405	13	0.060	0.120	0.080
AUG									
18.	1144	120	<1.0	340	627	11	0.090	--	0.070
SEP									
15.	1112	130	--	390	658	9	0.090	0.240	0.050

07362110 SMACKOVER CREEK NORTH OF SMACKOVER, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
14.	1247	0.040	<1	<1	<15	5	--	30
NOV								
18.	1150	0.010	<1	--	23	<1	--	--
DEC								
16.	1150	0.020	<1	--	--	1	--	--
JAN								
20.	1027	0.020	<1	2	<15	1	--	--
FEB								
17.	1034	0.040	<1	<1	<15	3	--	20
MAR								
17.	1207	0.010	--	<1	<15	--	--	--
APR								
14.	1125	0.010	<1	1	<15	--	--	30
MAY								
19.	1200	0.060	1	3	<15	<1	--	30
JUN								
16.	1120	0.040	--	3	--	1	--	40
JUL								
14.	1130	0.040	<1	1	--	--	<0.50	<10
AUG								
18.	1144	0.010	<1	1	20	16	--	60
SEP								
15.	1112	0.010	--	2	<15	12	--	50

RED RIVER BASIN

07362480 JUG CREEK NEAR FORDYCE, ARK.

LOCATION.--Lat 33°49'29", long 92°23'13", in NE ¼ NW ¼ sec.25, T.10 S., R.13 W., Dallas County, Hydrologic Unit 08040201, at bridge on county road 1.3 mi northeast of Fordyce, Ark.

PERIOD OF RECORD.--October 1986 to September 1987.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, UM-WF (COLS./ 100 ML) (31616)
OCT									
14...	1040	9827	9827	7.71	16.0	20	5.5	19	>600
NOV									
18...	1155	9827	9827	7.54	15.0	9.0	6.8	26	1300
DEC									
16...	1200	9827	9827	7.36	10.0	25	8.5	7.5	--
JAN									
20...	1215	9827	9827	7.52	6.0	20	9.8	--	--
MAR									
03...	1210	9827	9827	7.65	13.0	20	9.1	11	910
17...	1036	9827	9827	7.58	16.0	15	4.3	5.4	72
APR									
14...	1110	9827	9827	7.56	16.0	20	13.7	8.0	190
MAY									
19...	1055	9827	9827	7.59	25.0	10	3.8	18	310
JUN									
16...	1120	9827	9827	8.09	27.0	65	5.2	--	960
JUL									
14...	1100	9827	9827	7.88	27.0	35	3.2	12	370
AUG									
18...	1100	9827	9827	7.49	29.0	20	2.0	19	570
SEP									
15...	1100	9827	9827	7.71	26.0	10	3.0	>2.0	5500
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+N03 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									
14...	1040	76	32	61	--	--	0.390	4.90	7.7
NOV									
18...	1155	38	23	78	--	17	--	1.30	2.0
DEC									
16...	1200	60	18	--	233	17	0.250	1.90	2.7
JAN									
20...	1215	52	28	--	221	14	0.250	4.30	6.4
MAR									
03...	1210	58	21	31	190	24	0.300	3.40	4.8
17...	1036	96	22	72	299	18	0.700	0.290	0.80
APR									
14...	1110	90	--	65	322	24	0.880	5.00	--
MAY									
19...	1055	80	--	--	367	41	0.070	4.90	--
JUN									
16...	1120	80	25	61	--	85	0.180	2.20	6.0
JUL									
14...	1100	68	26	44	338	31	0.120	3.10	--
AUG									
18...	1100	66	--	50	--	27	0.170	5.80	9.6
SEP									
15...	1100	76	19	37	333	41	0.150	--	--

RED RIVER BASIN

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07362480 JUG CREEK NEAR FORDYCE, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
14...	1040	5.20	3.70	<1	--	<15	--	--	--
NOV									
18...	1155	2.60	1.80	<1	--	<15	3	--	40
DEC									
16...	1200	1.20	0.910	--	--	--	3	--	--
JAN									
20...	1215	1.80	1.30	<1	3	23	2	--	50
MAR									
03...	1210	1.60	1.20	<1	1	20	4	--	10
17...	1036	0.630	0.370	<1	<1	<15	<1	--	10
APR									
14...	1110	3.50	2.10	--	<1	<15	<1	--	--
MAY									
19...	1055	6.40	5.00	<1	2	17	2	--	10
JUN									
16...	1120	6.20	4.40	<1	--	20	<1	--	--
JUL									
14...	1100	--	6.10	<1	<1	21	3	<0.50	--
AUG									
18...	1100	8.30	--	<1	2	--	<1	--	10
SEP									
15...	1100	6.30	--	<1	4	21	1	--	20

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 DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
OCT									
14.	1028	9827	9827	6.43	16.0	20	6.4	--	400
NOV									
18.	0945	9827	9827	5.99	14.0	7.0	7.4	0.8	88
DEC									
16.	0930	9827	9827	6.02	8.0	10	9.5	1.1	--
JAN									
20.	0916	9827	9827	6.43	5.0	15	10.7	1.1	--
FEB									
17.	0930	9827	9827	6.32	9.0	20	8.3	1.7	670
MAR									
17.	1000	9827	9827	6.50	15.0	20	7.9	0.9	44
APR									
14.	0920	9827	9827	6.75	16.0	15	6.4	1.3	84
MAY									
19.	1940	9827	9827	6.96	29.0	15	4.0	0.9	140
JUN									
16.	0915	9827	9827	7.08	25.0	35	3.4	1.4	120
JUL									
14.	0944	9827	9827	6.79	27.0	15	2.9	2.3	120

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)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
14.	1028	30	21	4.5	--	--	--	0.090	0.080
NOV									
18.	0945	30	10	2.5	70	3	0.040	0.010	0.050
DEC									
16.	0930	16	6.0	4.0	--	3	0.030	0.290	--
JAN									
20.	0916	14	9.0	--	77	--	0.040	0.060	0.050
FEB									
17.	0930	<12	8.0	4.5	71	34	0.040	0.230	0.090
MAR									
17.	1000	16	7.0	6.0	67	11	0.020	0.030	0.080
APR									
14.	0920	16	2.0	6.5	61	11	0.060	0.120	--
MAY									
19.	1940	22	6.0	5.0	80	15	0.270	0.080	0.130
JUN									
16.	0915	18	6.0	4.5	89	--	0.200	--	0.150
JUL									
14.	0944	30	8.0	5.5	67	9	0.050	0.070	0.100

07362550 MORO CREEK NEAR BANKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
14.	1028	0.040	<1	<1	<15	3	--	20
NOV								
18.	0945	0.030	<1	--	29	<1	--	--
DEC								
16.	0930	0.040	1	--	--	1	--	--
JAN								
20.	0916	0.020	<1	1	<15	1	--	--
FEB								
17.	0930	0.030	<1	<1	<15	1	--	20
MAR								
17.	1000	0.030	--	<1	<15	--	--	--
APR								
14.	0920	0.030	<1	<1	<15	--	--	10
MAY								
19.	1940	0.090	1	2	<15	<1	--	20
JUN								
16.	0915	0.080	--	2	--	1	--	90
JUL								
14.	0944	0.070	<1	<1	--	--	<0.50	<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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
04...	1300	9827	9827	7.56	15.0	3.5	9.1	0.6	52
DEC									
02...	1200	9827	9827	7.62	10.0	4.0	10.9	0.8	490
JAN									
06...	1300	9827	9827	7.86	7.0	4.0	12.4	0.3	16
FEB									
03...	1300	9827	9827	7.85	11.0	5.9	11.2	1.0	16
MAR									
03...	1230	9827	9827	--	12.0	10	11.0	1.3	44
31...	1345	9827	9827	7.82	12.0	2.7	11.7	1.0	<10
MAY									
05...	1300	9827	9827	7.45	24.0	3.2	7.4	0.7	24
JUN									
02...	1345	9827	9827	7.54	27.0	15	7.1	1.5	230
30...	0845	9827	9827	7.58	28.0	7.1	6.8	0.8	48
AUG									
04...	1300	9827	9827	7.88	31.0	7.2	6.8	1.6	28
SEP									
01...	0845	9827	9827	7.39	24.0	8.4	6.1	1.3	42

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- PENDEED (MG/L) (00530)	NITRO- GEN, NO2+N03 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)
NOV									
04...	1300	66	7.0	1.0	64	5	--	0.010	0.20
DEC									
02...	1200	58	--	3.5	66	2	0.070	0.060	0.30
JAN									
06...	1300	66	--	3.0	--	--	0.060	0.010	<0.10
FEB									
03...	1300	60	6.0	3.5	--	3	--	0.070	<0.10
MAR									
03...	1230	34	6.0	--	37	9	0.170	0.010	0.20
31...	1345	50	6.0	3.5	78	5	0.010	0.020	<0.10
MAY									
05...	1300	62	4.0	3.0	84	4	--	--	0.60
JUN									
02...	1345	46	3.0	3.0	62	11	0.090	0.040	0.60
30...	0845	50	2.0	0.50	71	9	0.070	0.020	0.40
AUG									
04...	1300	62	4.0	3.5	--	7	0.040	0.030	0.70
SEP									
01...	0845	60	3.0	5.0	81	13	0.030	0.030	0.80

07363002 SALINE RIVER WEST OF BENTON, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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)
NOV									
04...	1300	--	0.010	<1	--	15	1	--	<10
DEC									
02...	1200	0.010	0.010	<1	5	<15	<1	--	<10
JAN									
06...	1300	0.010	<0.010	<1	<1	<15	1	--	20
FEB									
03...	1300	0.020	0.040	<1	<1	<15	2	--	10
MAR									
03...	1230	0.040	0.040	<1	<1	16	<1	--	<10
31...	1345	0.010	<0.010	1	<1	<15	<1	--	<10
MAY									
05...	1300	0.010	0.070	<1	<1	17	<1	--	10
JUN									
02...	1345	0.070	0.020	<1	<1	--	<1	--	--
30...	0845	0.040	0.010	<1	<1	<15	<1	<0.50	--
AUG									
04...	1300	0.010	0.020	<1	5	17	<1	--	10
SEP									
01...	0845	0.070	<0.010	1	<1	<15	3	--	20

RED RIVER BASIN

07363054 SALINE RIVER NEAR SHAW, ARK.

LOCATION.--Lat 34°29'56", long 92°33'46", in NW ¼ NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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)
NOV									
04...	1335	9827	9827	7.39	16.0	7.5	7.9	1.0	32
DEC									
02...	1245	9827	9827	7.64	10.0	5.0	9.9	0.8	180
JAN									
06...	1400	9827	9827	7.88	7.0	6.5	12.3	0.4	20
FEB									
03...	1350	9827	9827	7.76	11.0	9.0	11.1	1.4	36
MAR									
03...	1315	9827	9827	--	12.0	15	10.5	1.4	32
31...	1430	9827	9827	7.78	12.0	3.5	11.3	1.0	<10
MAY									
05...	1350	9827	9827	7.49	24.0	4.7	6.3	1.4	20
JUN									
02...	1430	9827	9827	7.38	27.0	30	6.2	1.5	110
30...	0925	9827	9827	7.36	28.0	20	5.6	0.9	48
AUG									
04...	1345	9827	9827	7.80	31.0	4.5	10.1	2.7	16
SEP									
01...	0940	9827	9827	7.20	24.0	20	6.7	1.9	68
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- PENDE (MG/L) (00530)	NITRO- GEN, NO2+N03 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)
NOV									
04...	1335	70	22	2.5	86	12	--	0.110	0.30
DEC									
02...	1245	54	--	3.5	79	5	0.120	0.090	0.50
JAN									
06...	1400	66	--	3.5	--	7	0.060	0.040	<0.10
FEB									
03...	1350	62	29	3.5	--	9	--	0.090	<0.10
MAR									
03...	1315	34	20	--	50	22	0.190	0.030	0.30
31...	1430	46	6.0	2.5	81	3	0.050	0.030	0.20
MAY									
05...	1350	60	21	5.0	118	5	--	--	0.70
JUN									
02...	1430	42	23	3.0	85	23	0.130	0.070	0.40
30...	0925	48	7.0	0.50	89	14	0.280	0.070	0.80
AUG									
04...	1345	56	7.0	6.5	--	5	0.250	0.010	0.90
SEP									
01...	0940	42	5.0	7.0	84	20	0.160	0.040	0.40

07363054 SALINE RIVER NEAR SHAW, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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)
NOV									
04...	1335	--	0.130	<1	--	<15	3	--	<10
DEC									
02...	1245	0.060	0.050	<1	<1	<15	1	--	<10
JAN									
06...	1400	0.040	0.010	<1	<1	<15	1	--	10
FEB									
03...	1350	0.050	0.050	<1	<1	<15	1	--	20
MAR									
03...	1315	0.090	0.020	<1	<1	<15	<1	--	<10
31...	1430	0.040	0.020	<1	<1	<15	1	--	<10
MAY									
05...	1350	0.150	0.160	<1	<1	27	<1	--	10
JUN									
02...	1430	0.110	0.050	<1	<1	--	<1	--	--
30...	0925	0.170	0.100	<1	<1	22	1	<0.50	--
AUG									
04...	1345	0.150	0.090	<1	80	24	<1	--	20
SEP									
01...	0940	0.130	0.040	3	<1	66	--	--	90

RED RIVER BASIN

07363200 SALINE RIVER NEAR SHERIDAN, ARK.

LOCATION.--Lat 34°06'56", long 92°24'21", in NE ¼ NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL-LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (FTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	COLIFORM, FECAL, UM-MF (COLS./100 ML) (31616)
OCT									
14.	1000	9827	9827	7.64	16.0	9.0	8.1	0.6	64
NOV									
18.	1305	9827	9827	7.17	13.0	25	9.2	1.4	40
DEC									
16.	1310	9827	9827	6.88	8.0	15	9.5	3.6	--
JAN									
20.	1320	9827	9827	7.41	7.0	10	10.9	0.9	--
MAR									
03.	1245	9827	9827	6.98	13.0	25	8.9	1.4	170
17.	0936	9827	9827	7.50	15.0	8.0	9.0	0.7	8
APR									
14.	1025	9827	9827	7.23	17.0	8.0	7.8	0.8	20
MAY									
19.	1000	9827	9827	7.54	26.0	7.0	6.9	0.6	<4
JUN									
16.	1000	9827	9827	7.53	27.0	15	6.8	1.5	68
JUL									
14.	1000	9827	9827	7.74	27.0	10	6.8	1.3	84
AUG									
18.	1015	9827	9827	6.95	30.0	5.9	6.2	1.6	12
SEP									
15.	1010	9827	9827	7.37	26.0	6.4	5.8	4.0	<4
DATE	TIME	HARD-NESS (MG/L AS CAC03) (00900)	SULFATE DIS-SOLVED (MG/L AS S04) (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+N03 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS-PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
14.	1000	56	8.0	4.0	--	--	0.260	0.030	0.070
NOV									
18.	1305	44	22	3.5	--	25	--	0.040	0.090
DEC									
16.	1310	36	10	--	99	5	0.080	0.030	0.080
JAN									
20.	1320	34	21	--	87	8	0.130	0.050	0.040
MAR									
03.	1245	22	6.0	2.5	42	14	<0.010	0.030	0.080
17.	0936	38	21	5.5	78	7	0.040	0.020	0.050
APR									
14.	1025	44	--	4.5	75	8	0.020	0.060	0.080
MAY									
19.	1000	50	--	--	84	15	0.330	0.050	0.100
JUN									
16.	1000	46	22	3.5	--	13	0.130	0.130	0.080
JUL									
14.	1000	52	9.0	4.0	81	11	0.040	0.090	--
AUG									
18.	1015	36	--	8.0	--	5	0.080	0.050	0.080
SEP									
15.	1010	44	4.0	7.0	79	13	0.030	--	0.060

07363200 SALINE RIVER NEAR SHERIDAN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	PHOS- PHORUS, ORTH0, 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								
14.	1000	0.060	<1	--	<15	--	--	--
NOV								
18.	1305	0.050	<1	--	16	2	--	10
DEC								
16.	1310	0.030	--	--	--	2	--	--
JAN								
20.	1320	0.010	1	<1	<15	<1	--	20
MAR								
03.	1245	0.030	<1	<1	<15	1	--	10
17.	0936	0.020	1	<1	22	3	--	10
APR								
14.	1025	0.020	--	<1	<15	<1	--	--
MAY								
19.	1000	0.060	<1	1	<15	1	--	10
JUN								
16.	1000	0.050	<1	--	16	<1	--	--
JUL								
14.	1000	1.00	<1	<1	<15	2	<0.50	--
AUG								
18.	1015	--	<1	<1	--	2	--	10
SEP								
15.	1010	--	<1	21	18	4	--	30

RED RIVER BASIN

07363270 HURRICANE CREEK NEAR SARDIS, ARK.

LOCATION.--Lat 34°30'40", long 92°24'54", in SW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
NOV									
04...	1420	9827	9827	7.49	15.0	7.5	8.4	1.9	1700
DEC									
02...	1330	9827	9827	7.70	10.0	6.0	9.9	0.8	66
JAN									
06...	1445	9827	9827	7.91	6.0	8.5	11.1	0.8	20
FEB									
03...	1450	9827	9827	7.78	11.0	8.8	10.4	1.5	8
MAR									
03...	1415	9827	9827	--	12.0	10	10.2	2.0	68
APR									
14...	0850	9827	9827	7.68	15.0	7.5	7.8	0.6	20
MAY									
19...	0850	9827	9827	8.19	23.0	4.0	6.6	0.5	12
JUN									
16...	0845	9827	9827	8.07	25.0	2.0	6.8	4.7	140
JUL									
14...	0850	9827	9827	8.08	24.0	15	6.9	>5.9	68
AUG									
18...	0850	9827	9827	6.74	28.0	0.70	7.6	3.0	170

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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
NOV									
04...	1420	44	31	2.5	98	13	--	0.020	--
DEC									
02...	1330	140	--	11	808	4	0.290	0.200	--
JAN									
06...	1445	82	--	11	--	9	0.210	0.150	--
FEB									
03...	1450	42	74	6.0	--	9	--	0.080	--
MAR									
03...	1415	52	92	--	746	13	0.150	0.110	--
APR									
14...	0850	42	--	5.5	293	6	0.030	0.040	--
MAY									
19...	0850	78	--	--	942	6	0.210	0.060	--
JUN									
16...	0845	140	310	7.5	--	3	0.150	0.080	--
JUL									
14...	0850	62	140	5.5	388	4	0.130	0.130	4.1
AUG									
18...	0850	330	--	20	--	3	0.620	0.180	--

07363270 HURRICANE CREEK NEAR SARDIS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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)
NOV 04...	1420	--	0.010	<1	--	<15	2	--	<10
DEC 02...	1330	0.010	<0.010	<1	4	<15	1	--	40
JAN 06...	1445	0.050	<0.010	<1	3	<15	1	--	30
FEB 03...	1450	0.070	0.050	<1	<1	<15	2	--	10
MAR 03...	1415	0.060	0.040	<1	1	17	<1	--	10
APR 14...	0850	0.060	0.010	--	1	<15	<1	--	--
MAY 19...	0850	0.050	0.040	<1	3	<15	1	--	10
JUN 16...	0845	0.040	0.050	<1	--	30	1	--	--
JUL 14...	0850	--	0.080	<1	1	16	4	<0.50	--
AUG 18...	0850	0.030	--	<1	1	--	2	--	20

07363300 HURRICANE CREEK NEAR SHERIDAN, ARK.

LOCATION.--Lat 34°19'10", long 92°20'40", in NW ¼ NE ¼ sec.6, T.5 S., R.12 W., Grant County, Hydrologic Unit 08040203, on downstream side of bridge on U.S Highway 270, 2.8 mi downstream from Simpson Creek, 3.5 mi east of Sheridan, and at mile 16.9.

DRAINAGE AREA.--204 mi².

PERIOD OF RECORD.--Occasional low-flow measurements 1957-61. October 1961 to current year. Gage-height records and results of discharge measurements 1960-63 are published in reports of U.S. Army Corps of Engineers.

REVISED RECORDS.--WRD Ark. 1970: 1969.

GAGE.--Water-stage recorder. Datum of gage is 200.00 ft above National Geodetic Vertical Datum of 1929 (levels by U.S. Army Corps of Engineers.)

REMARKS.--No estimated daily discharges. Records good above 100 ft³/s and poor below, because of unstable control conditions.

AVERAGE DISCHARGE.--26 years, 229 ft³/s, 15.24 in/yr, 165,900 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)
Mar. 1	0100	*7,010	*15.20	No other peak greater than base discharge.			
Minimum discharge, 0.24 ft/3s July 11.							

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	23	119	80	99	4540	135	23	26	6.6	13	8.4
2	7.4	26	115	79	279	1920	114	19	23	5.4	14	7.3
3	4.7	25	112	81	451	1280	106	16	21	4.1	19	6.1
4	13	25	107	130	306	803	109	15	20	3.2	31	7.0
5	15	18	104	244	166	453	96	14	18	2.7	33	7.7
6	17	26	101	194	124	327	87	16	17	2.1	32	8.2
7	17	14	101	148	112	283	83	17	18	1.6	38	8.8
8	15	88	113	124	111	253	76	15	18	1.0	40	9.0
9	14	314	524	116	99	229	72	17	18	.76	41	9.7
10	14	211	2570	183	85	210	69	20	18	.51	43	10
11	14	178	3170	237	77	187	64	21	17	1.9	45	10
12	15	348	2500	155	78	137	60	22	18	4.0	48	10
13	17	219	1440	129	75	105	57	23	18	1.9	48	10
14	18	127	436	116	74	94	56	22	18	1.8	51	9.8
15	15	105	294	110	225	94	62	23	21	1.9	52	9.4
16	14	98	258	106	1310	88	60	21	19	2.1	41	12
17	13	95	237	95	1880	92	54	22	18	2.1	3.8	31
18	13	94	236	93	1210	348	50	20	21	1.9	5.2	41
19	13	94	269	149	812	542	45	21	21	1.7	7.2	27
20	14	94	259	187	386	337	41	23	17	1.6	15	24
21	15	97	218	133	286	198	38	21	17	1.7	8.9	23
22	17	98	194	110	268	146	36	18	15	1.8	6.3	18
23	23	99	183	97	252	135	39	17	15	2.4	6.8	14
24	31	98	194	89	236	442	34	18	19	3.0	11	11
25	44	106	224	87	247	789	33	21	24	3.2	11	11
26	22	249	206	90	271	492	36	24	19	3.9	11	12
27	12	344	185	88	563	241	37	20	14	12	11	11
28	9.1	201	175	81	2990	167	35	18	10	16	11	8.0
29	9.4	147	142	77	---	132	33	16	7.8	17	11	8.7
30	20	128	112	94	---	124	30	17	6.7	16	11	9.0
31	15	---	92	98	---	143	---	20	---	14	9.9	---
TOTAL	491.6	3789	14990	3800	13072	15331	1847	600	532.5	139.87	729.1	392.1
MEAN	15.9	126	484	123	467	495	61.6	19.4	17.7	4.51	23.5	13.1
MAX	44	348	3170	244	2990	4540	135	24	26	17	52	41
MIN	4.7	14	92	77	74	88	30	14	6.7	.51	3.8	6.1
AC-FT	975	7520	29730	7540	25930	30410	3660	1190	1060	277	1450	778
CFSM	.08	.62	2.37	.60	2.29	2.42	.30	.09	.09	.0	.12	.06
IN.	.09	.69	2.73	.69	2.38	2.80	.34	.11	.10	.0	.13	.07

CAL YR 1986	TOTAL 58738.55	MEAN 161	MAX 3170	MIN .00	AC-FT 116500	CFSM .79	IN. 10.7
WTR YR 1987	TOTAL 55714.01	MEAN 153	MAX 4540	MIN .51	AC-FT 110500	CFSM .75	IN. 10.2

RED RIVER BASIN

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07363337 BIG CREEK NEAR SHERIDAN, ARK.

LOCATION.--Lat 34°17'22", long 92°22'12", in SE ¼ NW ¼ sec.14, T.5 S., R.13 W., Grant County, Hydrologic Unit 08040203, at bridge on county road 1.8 mi southeast of Sheridan, Ark.

PERIOD OF RECORD.--October 1986 to September 1987.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
14...	0920	9827	9827	7.14	15.0	15	0.2	6.8	28
NOV									
18...	1345	9827	9827	7.00	15.0	8.5	2.6	4.0	190
DEC									
16...	1345	9827	9827	6.85	9.0	15	8.9	2.6	--
JAN									
20...	1400	9827	9827	6.97	6.0	20	11.0	3.0	--
MAR									
03...	1320	9827	9827	6.88	10.0	15	9.3	1.8	36
17...	0900	9827	9827	7.10	16.0	20	4.5	3.4	44
APR									
14...	0945	9827	9827	6.89	16.0	20	1.8	3.7	92
MAY									
19...	0930	9827	9827	7.04	24.0	50	<0.5	4.4	44
JUN									
16...	0935	9827	9827	7.47	24.0	20	0.3	12	350
JUL									
14...	0940	9827	9827	7.40	24.0	15	0.1	7.6	2900
AUG									
18...	0945	9827	9827	6.75	26.0	8.9	0.1	8.4	7900
SEP									
15...	0925	9827	9827	7.31	23.0	15	0.4	8.4	60
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)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
14...	0920	34	14	26	--	--	0.170	3.90	6.0
NOV									
18...	1345	30	14	9.5	--	10	--	1.70	2.6
DEC									
16...	1345	22	8.0	--	103	12	0.340	0.520	0.80
JAN									
20...	1400	18	13	--	86	11	0.200	0.300	0.70
MAR									
03...	1320	18	10	4.5	45	11	0.150	0.280	0.80
17...	0900	24	13	8.5	80	11	0.540	0.590	1.2
APR									
14...	0945	30	--	7.0	69	17	0.470	0.840	0.90
MAY									
19...	0930	34	--	--	150	51	0.120	1.40	4.5
JUN									
16...	0935	24	21	21	--	21	0.020	3.70	6.6
JUL									
14...	0940	38	18	24	171	13	0.020	2.90	7.7
AUG									
18...	0945	26	--	30	--	16	0.100	6.30	14
SEP									
15...	0925	32	8.0	29	199	18	0.050	--	--

RED RIVER BASIN

07363337 BIG CREEK NEAR SHERIDAN, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
14...	0920	3.90	2.90	<1	--	<15	--	--	--
NOV									
18...	1345	0.780	0.590	<1	--	18	2	--	20
DEC									
16...	1345	0.410	0.290	--	--	--	4	--	--
JAN									
20...	1400	0.310	0.190	<1	2	<15	2	--	20
MAR									
03...	1320	0.160	0.110	<1	2	<15	2	--	10
17...	0900	0.410	0.300	1	1	27	3	--	10
APR									
14...	0945	0.570	0.280	--	3	<15	2	--	--
MAY									
19...	0930	1.00	0.710	1	10	22	6	--	20
JUN									
16...	0935	3.90	3.00	<1	--	44	4	--	--
JUL									
14...	0940	--	2.90	<1	5	<15	2	<0.50	--
AUG									
18...	0945	5.20	--	<1	3	--	<1	--	10
SEP									
15...	0925	4.60	--	<1	8	<15	1	--	20

RED RIVER BASIN

441

07363465 BIG CREEK NEAR PANSY, ARK.

LOCATION.--Lat 33°49'44", long 92°04'58", in NE ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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									
14...	1130	9827	9827	6.80	16.0	60	4.0	2.4	16
NOV									
18...	1110	9827	9827	5.94	12.0	15	8.6	1.3	12
DEC									
16...	1110	9827	9827	5.92	9.0	15	10.0	0.9	--
JAN									
20...	1130	9827	9827	5.99	5.0	15	11.3	0.7	--
MAR									
03...	1125	9827	9827	6.10	11.0	15	8.1	0.7	96
17...	1128	9827	9827	6.60	15.0	15	8.5	0.7	24
APR									
14...	1155	9827	9827	6.66	16.0	15	7.4	1.1	52
MAY									
19...	1200	9827	9827	7.08	25.0	15	2.7	1.2	42
JUN									
16...	1240	9827	9827	6.41	24.0	50	7.6	2.3	1100
JUL									
14...	1155	9827	9827	6.99	27.0	15	0.2	6.5	130
AUG									
18...	1150	9827	9827	6.43	28.0	30	0	5.6	10
SEP									
15...	1150	9827	9827	6.94	25.0	40	2.9	>1.9	<10

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,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT									
14...	1130	18	7.0	5.5	--	--	0.040	0.200	--
NOV									
18...	1110	28	22	3.5	--	9	--	0.040	--
DEC									
16...	1110	26	18	--	105	5	0.070	0.020	--
JAN									
20...	1130	28	38	--	105	8	0.070	0.030	--
MAR									
03...	1125	<12	6.0	2.0	42	11	<0.010	0.020	--
17...	1128	26	30	6.5	89	9	0.030	0.020	0.20
APR									
14...	1155	30	--	6.0	81	11	0.020	0.050	--
MAY									
19...	1200	28	--	--	86	14	0.120	0.090	--
JUN									
16...	1240	20	17	5.5	--	47	0.070	0.040	--
JUL									
14...	1155	34	12	4.5	76	31	0.020	0.090	--
AUG									
18...	1150	24	--	5.0	--	30	0.150	0.030	--
SEP									
15...	1150	26	6.0	3.5	83	25	0.080	--	--

RED RIVER BASIN

07363465 BIG CREEK NEAR PANSY, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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									
14...	1130	0.160	0.060	<1	--	<15	--	--	--
NOV									
18...	1110	0.050	0.040	<1	--	22	2	--	20
DEC									
16...	1110	0.070	0.010	--	--	--	1	--	--
JAN									
20...	1130	0.050	0.010	1	<1	<15	1	--	40
MAR									
03...	1125	0.050	0.020	<1	<1	<15	<1	--	10
17...	1128	0.060	0.010	1	<1	<15	<1	--	10
APR									
14...	1155	0.070	0.020	--	<1	<15	<1	--	--
MAY									
19...	1200	0.090	0.050	<1	1	<15	2	--	20
JUN									
16...	1240	0.130	0.040	<1	17	1	--	--	--
JUL									
14...	1155	--	0.070	<1	<1	<15	<1	<0.50	--
AUG									
18...	1150	0.120	--	<1	<1	--	<1	--	10
SEP									
15...	1150	0.160	--	--	--	--	--	--	--

07363500 SALINE RIVER NEAR RYE, ARK.

LOCATION.--Lat 33°42'03", long 92°01'33", in SW ¼ NW ¼ 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.--August 1937 to current year.

REVISED RECORDS.--WRD Ark. 1979: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 97.06 ft above National Geodetic Vertical datum of 1929. Prior to May 30, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--50 years, 2,597 ft³/s, 16.78 in/yr, 1,882,000 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)
Dec. 11	2100	10,400	21.97	Mar. 7	2100	*18,900	*24.61
Mar. 2	2300	12,300	22.82				

Minimum discharge, 8.5 ft³/s Sept. 10, gage height, 4.45 ft.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	347	2750	1100	1140	11200	2840	280	376	379	104	25
2	22	269	2330	1010	2340	12100	2060	311	353	334	75	20
3	22	222	1750	988	3680	12100	1700	1920	329	270	59	17
4	22	206	1310	1830	4080	11900	1580	3410	310	224	51	16
5	22	208	1050	2330	4150	12700	1460	3890	383	195	58	15
6	22	216	912	2510	4050	15700	1350	3160	466	180	51	15
7	23	306	812	2560	3780	18400	1240	1580	387	187	42	13
8	29	1170	1630	2460	3330	18300	1120	674	303	179	37	12
9	57	2220	6470	2350	2640	16100	1020	454	245	164	35	11
10	169	2760	9450	2370	2040	13500	925	368	208	156	35	11
11	267	3180	10300	2320	1660	11300	844	314	e180	145	35	16
12	257	3770	10300	2280	1390	9610	783	275	e160	134	35	14
13	217	3870	9860	2390	1200	7720	730	243	e190	176	34	15
14	175	3730	9210	2590	1080	4870	696	223	e250	221	35	12
15	149	3530	8540	2770	1460	2340	671	205	170	196	34	9.9
16	134	3380	8000	2840	3860	1430	657	189	176	165	34	9.9
17	140	3220	7890	2580	4840	1210	660	177	127	146	33	9.9
18	147	2870	8060	2250	5190	e1800	777	186	152	138	32	18
19	149	2040	8190	2480	5390	e3100	889	208	168	128	31	21
20	146	1260	8040	2330	5640	e4100	835	186	136	113	28	63
21	135	921	7420	2200	6060	e4700	747	176	122	94	26	464
22	121	809	6000	2170	6440	e4800	661	180	109	80	23	554
23	120	1250	4040	2170	7000	e4600	598	206	123	76	22	418
24	161	1990	3490	2090	7490	e4400	545	204	113	72	25	313
25	187	2180	3060	1930	7770	4280	491	193	97	72	30	255
26	191	3590	2580	2030	7920	4160	432	206	130	72	40	214
27	240	3890	2130	2140	8320	4030	393	238	189	63	41	177
28	419	3600	1790	2040	9660	3920	354	405	250	61	38	147
29	696	3230	1550	1720	---	3770	323	450	289	174	37	122
30	652	2950	1320	1450	---	3650	300	470	314	167	34	100
31	476	---	1170	1250	---	3450	---	420	---	133	29	---
TOTAL	5590	63184	151404	65528	123600	235240	27681	21401	6805	4894	1223	3107.7
MEAN	180	2106	4884	2114	4414	7588	923	690	227	158	39.5	104
MAX	696	3890	10300	2840	9660	18400	2840	3890	466	379	104	554
MIN	22	206	812	988	1080	1210	300	176	97	61	22	9.9
AC-FT	11090	125300	300300	130000	245200	466600	54910	42450	13500	9710	2430	6160
CFSM	.09	1.00	2.32	1.01	2.10	3.61	.44	.33	.11	.08	.0	.0
IN.	.10	1.12	2.68	1.16	2.19	4.16	.49	.38	.12	.09	.0	.05

CAL YR 1986 TOTAL 728300.0 MEAN 1995 MAX 13000 MIN 22 AC-FT 1445000 CFSM .95 IN. 12.9
WTR YR 1987 TOTAL 709657.6 MEAN 1944 MAX 18400 MIN 9.9 AC-FT 1408000 CFSM .92 IN. 12.6

e Estimated

RED RIVER BASIN

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)
NOV									
04.	1502	9827	9827	--	17.0	--	8.6	3.2	110
DEC									
02.	1339	9827	9827	6.73	10.0	30	8.8	1.6	28
JAN									
06.	1424	9827	9827	6.89	8.0	20	11.3	1.1	260
MAR									
03.	1453	9827	9827	6.58	13.0	15	8.3	1.6	170
31.	1420	9827	9827	7.03	15.0	15	8.1	1.4	--
MAY									
05.	1341	9827	9827	--	22.0	20	--	2.3	48
JUN									
02.	1400	9827	9827	7.64	30.0	20	--	3.4	<10
30.	1344	9827	9827	--	31.0	8.6	--	1.5	16
AUG									
04.	1125	9827	9827	7.73	33.0	6.3	7.8	1.9	170
SEP									
01.	1024	9827	9827	7.09	27.5	3.4	--	1.1	<4

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+N03 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
NOV									
04.	1502	42	--	3.0	113	29	0.250	0.040	--
DEC									
02.	1339	30	--	2.5	91	--	0.110	0.040	0.070
JAN									
06.	1424	24	25	5.0	77	16	0.070	0.040	0.060
MAR									
03.	1453	14	11	4.0	45	15	0.010	--	0.120
31.	1420	22	17	5.0	99	17	0.050	0.060	0.080
MAY									
05.	1341	20	11	4.5	79	17	0.170	0.100	0.090
JUN									
02.	1400	28	12	--	--	13	0.140	0.030	0.150
30.	1344	28	13	5.0	--	8	0.010	0.010	0.070
AUG									
04.	1125	40	--	5.0	115	16	0.060	0.040	0.030
SEP									
01.	1024	40	7.0	7.5	--	6	0.020	0.010	0.030

07364012 SALINE RIVER NEAR FOUNTAIN HILL, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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 04.	1502	0.050	<1	3	<15	3	--	10
DEC 02.	1339	0.060	7	1	--	3	--	30
JAN 06.	1424	0.020	<1	<1	--	1	--	--
MAR 03.	1453	0.030	<1	--	--	2	--	10
MAR 31.	1420	--	<1	--	<15	--	--	--
MAY 05.	1341	0.050	<1	1	<15	1	--	10
JUN 02.	1400	0.050	--	--	<15	--	--	--
JUN 30.	1344	0.010	<1	<1	17	1	<0.50	10
AUG 04.	1125	0.030	--	1	24	<1	--	20
SEP 01.	1024	0.010	<1	<1	<15	6	--	20

RED RIVER BASIN

07364115 BAYOU BARTHOLOMEW NEAR LADD, ARK.

LOCATION.--Lat 34°06'24", long 91°54'06", in NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (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										
14...	1220	9827	9827	7.47	16.0	15	6.9	2.4	320	120
NOV										
18...	1020	9827	9827	6.76	12.0	25	6.2	1.6	100	26
DEC										
16...	1025	9827	9827	6.48	8.0	25	7.0	1.2	--	22
JAN										
20...	1035	9827	9827	6.84	5.0	20	10.4	1.1	--	18
MAR										
03...	1035	9827	9827	6.57	12.0	30	7.2	1.2	290	18
17...	1225	9827	9827	7.11	16.0	35	8.2	4.4	80	44
APR										
14...	1245	9827	9827	6.99	17.0	330	5.7	2.2	32	28
MAY										
19...	1300	9827	9827	7.63	29.0	20	6.8	<1.0	92	32
JUN										
16...	1330	9827	9827	7.27	30.0	45	5.6	3.8	180	54
JUL										
14...	1255	9827	9827	7.54	30.0	30	5.0	2.9	36	46
AUG										
18...	1238	9827	9827	6.77	31.0	20	4.3	2.0	70	46
SEP										
15...	1235	9827	9827	7.22	27.0	15	4.5	3.0	20	40
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- PENDED (MG/L) (00530)	NITRO- GEN, NO2+N03 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)
OCT										
14...	1220	38	90	--	--	0.010	0.060	0.110	0.060	<1
NOV										
18...	1020	11	4.5	--	13	--	0.080	0.220	0.170	<1
DEC										
16...	1025	7.0	--	104	3	0.050	0.070	0.160	0.120	--
JAN										
20...	1035	13	--	78	7	0.070	0.040	0.110	0.060	<1
MAR										
03...	1035	7.0	1.5	45	23	0.050	0.040	0.150	0.080	<1
17...	1225	10	8.0	85	35	0.030	0.040	0.250	0.120	1
APR										
14...	1245	--	7.0	65	37	0.110	0.090	0.280	0.120	--
MAY										
19...	1300	--	--	80	43	<0.010	0.020	0.370	0.180	<1
JUN										
16...	1330	13	28	--	55	0.110	0.050	0.280	0.130	<1
JUL										
14...	1255	9.0	9.5	99	21	0.050	0.150	--	0.090	<1
AUG										
18...	1238	--	7.5	--	29	0.230	0.080	0.220	--	<1
SEP										
15...	1235	1.0	7.0	84	18	0.070	--	0.140	--	<1

07364115 BAYOU BARTHOLOMEW NEAR LADD, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L) (01034)	COPPER, TOTAL RECOVERABLE (UG/L) (01042)	LEAD, TOTAL RECOVERABLE (UG/L) (01051)	MERCURY TOTAL RECOVERABLE (UG/L) (71900)	ZINC, TOTAL RECOVERABLE (UG/L) (01092)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC TOTAL (UG/L) (39337)	BETA BENZENE HEXACHLORIDE TOTAL (UG/L) (39338)	DELTA BENZENE HEXACHLORIDE TOTAL (UG/L) (34259)
OCT 14...	1220	--	<15	--	--	--	<0.002	<0.01	<0.01	<0.01
NOV 18...	1020	--	17	4	--	20	--	--	--	--
DEC 16...	1025	--	--	2	--	--	--	--	--	--
JAN 20...	1035	3	<15	2	--	30	<0.002	<0.01	<0.01	<0.01
MAR 03...	1035	<1	<15	3	--	10	--	--	--	--
MAR 17...	1225	<1	22	3	--	10	--	--	--	--
APR 14...	1245	<1	<15	2	--	--	<0.002	<0.01	<0.01	<0.01
MAY 19...	1300	2	<15	4	--	10	--	--	--	--
JUN 16...	1330	--	17	1	--	--	--	--	--	--
JUL 14...	1255	<1	<15	2	<0.50	--	<0.002	<0.01	<0.01	<0.01
AUG 18...	1238	<1	--	2	--	10	--	--	--	--
SEP 15...	1235	4	<15	2	--	40	--	--	--	--

DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLORDANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)
OCT 14...	1220	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JAN 20...	1035	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
APR 14...	1245	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06
JUL 14...	1255	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06

DATE	TIME	ALACHLOR TOTAL RECOVER (UG/L) (77825)	MALATHION, TOTAL (UG/L) (39530)	CHLORPYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDEHYDE TOTAL (UG/L) (34366)	HEPTACHLOR, TOTAL (UG/L) (39410)	HEPTACHLOR EPOXIDE TOTAL (UG/L) (39420)	TOXAPHENE, TOTAL (UG/L) (39400)	AROCLO 1016 PCB TOTAL (UG/L) (34671)
OCT 14...	1220	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JAN 20...	1035	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
APR 14	1245	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3
JUL 14...	1255	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3

DATE	TIME	AROCLO 1221 PCB TOTAL (UG/L) (39488)	AROCLO 1232 PCB TOTAL (UG/L) (39492)	AROCLO 1242 PCB TOTAL (UG/L) (39496)	AROCLO 1248 PCB TOTAL (UG/L) (39500)	AROCLO 1254 PCB TOTAL (UG/L) (39504)	AROCLO 1260 PCB TOTAL (UG/L) (39508)	METHOXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARATHION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
OCT 14...	1220	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JAN 20...	1035	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
APR 14	1245	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10
JUL 14...	1255	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

07364150 BAYOU BARTHOLOMEW NEAR MCGEEHEE, ARK.

LOCATION.--Lat 33°37'40", long 91°26'45", in NE ¼ SW ¼ 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.--Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--46 years (1939-42, 1946-87), 674 ft³/s, 15.89 in/yr, 488,300 acre ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum 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 discharge, 3,630 ft³/s Mar. 8; maximum gage height, 18.84 ft; minimum daily discharge, 4.0 ft³/s Oct. 20-21.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e14	87	e1900	1290	276	2690	926	71	267	163	27	e45
2	e13	100	e1800	1130	342	2980	883	72	327	130	36	e40
3	e12	99	e1700	1000	461	3200	847	95	339	108	41	e35
4	e11	92	e1600	975	546	3380	807	171	326	89	41	e35
5	e10	96	e1500	950	637	3510	773	268	301	76	37	e35
6	e9.5	93	e1400	936	759	3580	746	335	293	66	32	e35
7	e9.0	114	e1250	939	964	3620	711	359	318	58	26	e35
8	e8.0	333	e1200	940	1080	3620	671	363	359	53	22	e30
9	e7.5	e650	1460	921	1130	3580	624	369	399	55	18	e35
10	e7.0	e810	1760	878	1120	3510	571	387	419	59	16	e30
11	e6.5	e820	2020	816	1090	3380	518	449	420	61	18	e35
12	e6.0	e830	2290	749	1040	3210	466	536	400	54	33	e35
13	e6.0	e860	2530	687	994	2990	412	560	362	45	57	e40
14	e5.5	e910	2720	627	946	2760	367	570	314	37	71	e65
15	e5.5	e990	2890	568	934	2510	323	564	262	29	79	e75
16	e5.0	e1100	3010	524	1020	2250	282	549	221	21	79	e70
17	e4.5	e1150	3080	495	1060	2080	247	512	192	17	74	e95
18	e4.5	e1200	3090	518	1080	2270	221	464	168	14	72	e125
19	e4.5	e1300	3050	576	1100	2260	200	413	150	13	67	e180
20	e4.0	e1300	2970	594	1140	2170	185	363	169	13	68	e200
21	e4.0	e1300	2850	598	1210	2020	170	319	230	13	73	e180
22	e4.5	e1350	2690	590	1240	1820	156	276	318	12	77	e150
23	e6.0	e1350	2620	565	1260	1630	141	239	381	10	76	e120
24	19	e1450	2600	529	1260	1560	129	209	407	9.6	73	e95
25	35	e1550	2450	487	1250	1500	119	205	401	11	70	e80
26	41	e1700	2290	439	1330	1330	115	215	376	16	70	e75
27	40	e1750	2140	390	1620	1220	111	193	335	19	71	e75
28	34	e1800	1980	346	2280	1160	100	179	288	20	71	e70
29	29	e1850	1810	313	---	1090	87	171	238	17	e65	e65
30	35	e1900	1640	289	---	1030	77	175	196	16	e60	e60
31	61	---	1460	277	---	969	---	199	---	19	e50	---
TOTAL	461.5	28934	67750	20936	29169	74879	11985	9850	9176	1323.6	1670	2245
MEAN	14.9	964	2185	675	1042	2415	399	318	306	42.7	53.9	74.8
MAX	61	1900	3090	1290	2280	3620	926	570	420	163	79	200
MIN	4.0	87	1200	277	276	969	77	71	150	9.6	16	30
AC-FT	915	57390	134400	41530	57860	148500	23770	19540	18200	2630	3310	4450
CFSM	.0	1.67	3.79	1.17	1.81	4.19	.69	.55	.53	.07	.09	.13
IN.	.0	1.87	4.38	1.35	1.88	4.84	.77	.64	.59	.09	.11	.14

CAL YR 1986 TOTAL 160600.0 MEAN 440 MAX 3090 MIN 4.0 AC-FT 318600 CFSM .76 IN. 10.4
WTR YR 1987 TOTAL 258379.1 MEAN 708 MAX 3620 MIN 4.0 AC-FT 512500 CFSM 1.23 IN. 16.7

e Estimated

RED RIVER BASIN

449

07364600 BAYOU DE LOUTRE NEAR EL DORADO, ARK.

LOCATION.--Lat 33°05'55", long 92°35'32", in SE ¼ NW ¼ 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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.45 UM-WF (COLS./ 100 ML) (31616)	HARD- NESS (MG/L AS CAC03) (00900)
NOV										
04...	0910	9827	9827	--	18.0	--	5.4	1.7	180	330
DEC										
02...	0909	9827	9827	6.64	10.0	6.0	6.7	0.7	100	120
JAN										
06...	0910	9827	9827	6.97	5.0	9.0	9.4	1.3	200	60
FEB										
03...	0915	9827	9827	6.61	12.0	15	6.8	1.6	870	60
MAR										
03...	0935	9827	9827	6.88	10.0	15	7.0	1.3	120	56
31...	0900	9827	9827	7.00	7.0	15	8.6	2.1	320	150
MAY										
05...	0914	9827	9827	--	23.0	25	--	4.3	250	430
JUN										
02...	0829	9827	9827	7.22	21.0	25	--	3.2	160	280
30...	0826	9827	9827	--	28.0	10	--	2.3	430	450
AUG										
04...	0914	9827	9827	7.35	31.0	5.7	2.9	1.5	860	400
SEP										
01...	0820	9827	9827	7.16	24.0	2.8	--	1.2	110	560
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- 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)
NOV										
04...	0910	--	1100	2070	14	0.850	0.200	--	0.040	<1
DEC										
02...	0909	--	320	719	--	0.480	0.210	0.060	0.070	<1
JAN										
06...	0910	21	23	309	4	0.170	0.030	0.080	0.030	1
FEB										
03...	0915	--	150	326	--	--	0.030	--	0.090	<1
MAR										
03...	0935	16	150	293	16	0.180	--	0.180	0.070	<1
31...	0900	17	510	852	18	0.530	0.250	0.150	--	<1
MAY										
05...	0914	99	1400	2740	37	0.830	0.560	0.140	0.060	<1
JUN										
02...	0829	75	--	--	33	0.490	0.160	0.200	0.060	--
30...	0826	88	1400	--	21	0.440	0.130	0.110	0.020	<1
AUG										
04...	0914	--	1600	2740	20	0.210	0.140	0.110	0.070	--
SEP										
01...	0820	68	1900	--	9	0.360	0.120	0.090	0.060	1

RED RIVER BASIN

07364600 BAYOU DE LOUITRE NEAR EL DORADO, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOVERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	MERCURY, TOTAL RECOVERABLE (UG/L AS HG) (71900)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	ALDRIN, TOTAL (UG/L) (39330)	BHC TOTAL (UG/L) (39337)	BETA BENZENE HEXACHLORIDE TOTAL (UG/L) (39338)	DELTA BENZENE HEXACHLORIDE TOTAL (UG/L) (34259)
NOV										
04...	0910	6	<15	1	--	20	--	--	--	--
DEC										
02...	0909	3	--	4	--	30	<0.002	<0.01	<0.01	<0.01
JAN										
06...	0910	1	--	11	--	--	--	--	--	--
FEB										
03...	0915	3	15	--	--	30	--	--	--	--
MAR										
03...	0935	--	--	4	--	20	--	--	--	--
31...	0900	--	<15	--	--	--	--	--	--	--
MAY										
05...	0914	10	23	1	--	30	--	--	--	--
JUN										
02...	0829	--	<15	--	--	--	--	--	--	--
30...	0826	2	26	<1	<0.50	20	--	--	--	--
AUG										
04...	0914	2	39	1	--	30	--	--	--	--
SEP										
01...	0820	2	15	5	--	30	--	--	--	--

DATE	TIME	LINDANE TOTAL (UG/L) (39340)	CHLORDANE, TOTAL (UG/L) (39350)	P,P' DDD, TOTAL (UG/L) (39310)	P,P' DDE, TOTAL (UG/L) (39320)	P,P' DDT, TOTAL (UG/L) (39300)	DI- ELDRIN TOTAL (UG/L) (39380)	ENDO- SULFAN ALPHA TOTAL (UG/L) (34361)	ENDO- SULFAN BETA TOTAL (UG/L) (34356)	ENDO- SULFAN SULFATE TOTAL (UG/L) (34351)
------	------	---------------------------------------	--	--	--	--	---	--	---	--

DEC										
02...	0909	<0.002	<0.1	<0.01	<0.01	<0.01	<0.003	<0.01	<0.01	<0.06

DATE	TIME	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	MALA- THION, TOTAL (UG/L) (39530)	CHLOR- PYRIFOS TOTAL (UG/L) (81403)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN ALDE- HYDE TOTAL (UG/L) (34366)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	TOX- APHENE, TOTAL (UG/L) (39400)	AROCLOR 1016 PCB TOTAL (UG/L) (34671)
------	------	--	---	---	---------------------------------------	---	--	--	---	--

DEC										
02...	0909	<0.01	<0.10	<0.01	<0.004	<0.02	<0.002	<0.002	<1	<0.3

DATE	TIME	AROCLOR 1221 PCB TOTAL (UG/L) (39488)	AROCLOR 1232 PCB TOTAL (UG/L) (39492)	AROCLOR 1242 PCB TOTAL (UG/L) (39496)	AROCLOR 1248 PCB TOTAL (UG/L) (39500)	AROCLOR 1254 PCB TOTAL (UG/L) (39504)	AROCLOR 1260 PCB TOTAL (UG/L) (39508)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	DI- AZINON, TOTAL (UG/L) (39570)
------	------	--	--	--	--	--	--	---	---	--

DEC										
02...	0909	<0.4	<0.4	<0.3	<0.3	<0.1	<0.1	<0.06	<0.10	<0.10

RED RIVER BASIN

451

07365800 CORNIE BAYOU NEAR THREE CREEKS, ARK.

LOCATION.--Lat 33°02'21", long 92°56'15", in SW ¼ NW ¼ 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 September 1987 (discontinued as a continuous-record station; converted to a crest-stage partial record station).

GAGE.--Water-stage recorder. Prior to Oct. 29, 1959, nonrecording gage at present site and datum.

REMARKS.--Water-discharge records good except for estimated daily discharges, Nov. 15 to Dec. 9, Apr. 7 to May 6, May 25 to June 22, and June 24 to Aug. 18, which are poor.

AVERAGE DISCHARGE.--31 years, 179 ft³/s, 13.50 in/yr, 129,700 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)
Nov. 10	1000	1,710	10.41	Feb. 22	1200	1,920	10.47
Dec. 10	1000	*6,580	*11.71	Mar. 1	1700	4,300	11.20
Feb. 17	1400	1,590	10.34				

No flow at times.

DISCHARGE IN CUBIC (FEET/SECOND), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	18	17	e400	124	87	3730	61	e3.0	e35	e7.5	e8.0	.00		
2	22	15	e230	110	401	2590	58	e3.0	e30	e30	e7.0	.00		
3	18	16	e130	137	699	1290	63	e4.5	e30	e25	e6.0	.00		
4	17	18	e85	527	914	891	71	e5.0	e180	e35	e5.5	.00		
5	19	31	e70	830	821	593	77	e4.5	e570	e50	e5.0	.00		
6	19	85	e65	1160	575	343	62	e7.5	e320	e30	e10	.00		
7	21	124	e85	970	618	216	e50	12	e140	e15	e10	.00		
8	24	501	e360	633	782	179	e40	13	e40	e2.5	e10	.00		
9	28	1070	e6000	355	817	161	e35	22	e15	e2.5	e9.0	.00		
10	34	1620	6260	274	666	148	e30	26	e6.5	e.80	e8.5	.00		
11	33	1190	3420	299	397	129	e25	16	e5.5	e2.5	e7.5	.00		
12	32	794	1730	315	207	104	e20	13	e6.5	e1.0	e7.0	.00		
13	54	551	1120	254	157	94	e20	16	e60	e.00	e6.0	.00		
14	80	361	790	184	136	83	e20	14	e190	e.00	e3.5	.00		
15	50	e200	541	162	322	80	e30	17	e240	e.00	e2.0	.00		
16	25	e120	519	151	1040	76	e35	16	e280	e.00	e2.0	.00		
17	15	e90	643	141	1460	97	e25	14	e210	e.00	e1.0	.00		
18	12	e60	893	230	1230	233	e20	17	e140	e.00	e.40	.00		
19	7.7	e50	977	476	872	291	e15	19	e85	e.00	.00	.00		
20	4.1	e50	822	e870	752	321	e15	18	e45	e.00	e.00	.00		
21	.75	e80	628	e860	1050	245	e10	17	e25	e.00	e.00	.00		
22	.13	e90	509	544	1750	132	e10	17	e15	e.00	e.00	.00		
23	9.8	e190	356	377	1400	104	e9.0	16	6.4	e.00	e.00	.00		
24	210	e760	478	216	1030	221	e7.5	16	e30	e15	e.00	.00		
25	361	e2100	579	154	834	295	e7.0	e25	e10	e30	.00	.00		
26	366	e2800	719	152	835	297	e6.0	e75	e10	e20	.00	.00		
27	286	e2000	726	170	1460	197	e5.0	e140	e6.0	e15	.00	.00		
28	97	e1100	483	143	2640	110	e4.5	e150	e2.5	e10	.00	.00		
29	34	e570	254	111	---	84	e4.0	e90	e2.0	e10	.00	.00		
30	24	e470	172	95	---	76	e3.5	e45	e2.0	e10	.00	.00		
31	20	---	141	86	---	67	---	e30	---	e9.0	.00	---		
TOTAL	1941.48	17123	30185	11110	23952	13477	838.5	881.5	2737.4	320.80	108.40	.00		
MEAN	62.6	571	974	358	855	435	27.9	28.4	91.2	10.3	3.50	.00		
MAX	366	2800	6260	1160	2640	3730	77	150	570	50	10	.00		
MIN	.13	15	65	86	87	67	3.5	3.0	2.0	.00	.00	.00		
AC-FT	3850	33960	59870	22040	47510	26730	1660	1750	5430	636	215	.0		
CFSM	.35	3.17	5.41	1.99	4.75	2.42	.16	.16	.51	.06	.0	.00		
IN.	.40	3.54	6.24	2.30	4.95	2.79	.17	.18	.57	.07	.0	.00		
CAL YR 1986	TOTAL	89870.05	MEAN	246	MAX	6260	MIN	.00	AC-FT	178300	CFSM	1.37	IN.	18.6
WTR YR 1987	TOTAL	102675.05	MEAN	281	MAX	6260	MIN	.00	AC-FT	203700	CFSM	1.56	IN.	21.2

e Estimated

RED RIVER BASIN

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 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (FTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, UM-WF (COLS./ 100 ML) (31616)
OCT									
14.	1847	9827	9827	6.48	18.0	15	7.2	--	300
NOV									
18.	1655	9827	9827	5.71	15.0	5.0	7.8	0.7	28
DEC									
16.	1551	9827	9827	6.01	9.0	20	9.5	1.4	--
JAN									
20.	1643	9827	9827	5.56	7.0	15	10.4	1.1	--
FEB									
17.	1611	9827	9827	5.73	11.0	20	8.2	0.8	900
MAR									
17.	1615	9827	9827	6.13	15.0	15	7.9	0.9	1000
APR									
14.	1551	9827	9827	6.42	18.0	8.0	6.0	1.1	44
MAY									
19.	1605	9827	9827	6.39	25.0	15	2.8	0.9	24
JUN									
16.	1547	9827	9827	7.11	25.0	25	4.7	1.2	200
JUL									
14.	1550	9827	9827	6.30	28.0	25	3.6	1.1	52
AUG									
18.	1541	9827	9827	7.06	35.0	7.4	--	3.2	20
SEP									
15.	1502	9827	9827	6.98	27.0	6.2	--	3.3	16

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)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)
OCT									
14.	1847	88	1.0	120	--	--	--	0.080	0.070
NOV									
18.	1655	88	14	130	306	5	0.110	<0.010	0.030
DEC									
16.	1551	42	8.0	52	--	16	0.050	0.040	--
JAN									
20.	1643	44	9.0	--	183	--	0.070	0.030	0.050
FEB									
17.	1611	34	9.0	47	149	14	0.060	0.050	0.070
MAR									
17.	1615	54	7.0	87	227	13	0.050	0.030	0.060
APR									
14.	1551	70	3.0	110	264	11	0.040	0.030	--
MAY									
19.	1605	82	4.0	130	290	12	0.220	0.180	0.070
JUN									
16.	1547	36	8.0	49	165	--	0.260	--	0.120
JUL									
14.	1550	74	8.0	140	61	25	0.200	0.120	0.060
AUG									
18.	1541	66	1.0	87	242	7	0.080	--	0.080
SEP									
15.	1502	76	--	97	262	8	0.030	0.030	0.050

07365800 CORNIE BAYOU NEAR THREE CREEKS, ARK.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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								
14.	1847	0.050	<1	<1	<15	2	--	10
NOV								
18.	1655	0.010	<1	--	25	<1	--	--
DEC								
16.	1551	0.030	<1	--	--	1	--	--
JAN								
20.	1643	0.020	1	2	<15	3	--	--
FEB								
17.	1611	0.030	<1	1	<15	3	--	10
MAR								
17.	1615	0.010	--	<1	<15	--	--	--
APR								
14.	1551	0.010	1	<1	<15	--	--	30
MAY								
19.	1605	0.050	<1	5	<15	2	--	40
JUN								
16.	1547	0.060	--	6	--	2	--	30
JUL								
14.	1550	0.060	<1	2	--	--	<0.50	<10
AUG								
18.	1541	0.020	1	1	<15	<1	--	20
SEP								
15.	1502	0.010	--	1	<15	6	--	60

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

						Annual maximum	
Station	Station name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis-charge (ft ³ /s)
St. Francis River basin							
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	1960-87	02-28-87	10.78	640
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	1963-87	02-28-87	4.34	5
White River basin							
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	1960-87	10-01-86	8.43	330
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 Hindsville.	262	1953-70 [†] 1971-77 1985-87	03-18-87	16.44	12,000
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 [†] 1976-87	04-06-87	13.90	7,700
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	1962-87	05-24-87	7.55	210
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 1981-87	11-04-86	11.46	20,900
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	1985-87	02-16-87	11.11	2,800
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, 1981-87	03-02-87	13.76	10,700
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	1961-87	--	<8.81	<207
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 [†] 1985-87	02-28-87	10.55	3,180
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	1979-87	03-04-87	22.88	31,000

† Operated as a continuous-record gaging station.

Annual maximum discharge at crest-stage partial-record stations--Continued

					Annual maximum		
Station	Station name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis-charge (ft ³ /s)
White River basin--Continued							
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	1983-87	03-07-87	31.08	51,500
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† 1985-87	02-16-87	16.50	11,600
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	1964-87	02-16-87	8.02	135
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	1964-87	--	<5.50	<10
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† 1981-87	10-09-86	16.27	8,370
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	1961-87	12-09-86	5.43	125
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	1978-87	03-07-87	19.95	51,900
07076870	Pigeon Roost Creek at Butlerville, Ark.	Lat 34°58'36", long 91°50'38", in NW 1/4 NE 1/4 sec.15, T.4 N., R.8 W., Lonoke County, at bridge on State Highway 38, 0.6 mi west of Butlerville.	23.0	1961-87	12-09-87	10.61	1,770
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	1962-87	--	<4.97	<43
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	1963-87	12-08-86	4.74	22
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	1961-87	12-09-86	9.20	540
Arkansas River basin							
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	1981-87	03-17-87	33.20	1,200

† 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

					Annual maximum		
Station	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 [†] 1971-87	10-01-86	12.55	15,000
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	1962-87	03-17-87	5.92	40
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	1981-87	05-23-87	7.03	140
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 [†] 1971-87	03-17-87	11.31	11,000
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 [†] 1971-87	03-17-87	6.57	2,200
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	1962-87	03-17-87	3.38	20
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	1978-87	03-17-87	10.50	5,900
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 [†] 1971-87	02-16-87	12.30	8,600
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	1961-87	03-17-87	4.59	143
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 [†] 1985-87	03-18-87	20.65	13,500
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 [†] 1981-87	03-27-87	13.03	2,100
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 [†] 1976-87	04-23-87	14.82	6,800
07260673	West Fork Point Remove Creek near Hattieville, Ark.	Lat 35°19'25", long 92°52'22", in NE 1/4 SE 1/4 sec.23, T.8 N., R.18 W., Pope County, on right bank about 300 ft upstream from State Highway 247 bridge, 0.4 mi downstream from Hackers Creek, 5.5 mi northwest of Hattieville.	222	1978-87	02-28-87	15.10	2,600

† Operated as a continuous-record gaging station.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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Annual maximum discharge at crest-stage partial-record stations--Continued

					Annual maximum		
Station	Station name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis-charge (ft ³ /s)
Arkansas River basin--Continued							
07260679	East Fork Point Remove Creek tributary near Saint Vincent, Ark.	Lat 35°16'10", long 92°43'59", in NE 1/4 NE 1/4 sec.7, T.7 N., R.16 W., Conway County, at culvert on State Highway 213, 2.2 mi south of Saint Vincent.	.09	1967-87	02-18-87	5.85	28
07261250	Cadron Creek near Conway, Ark.	Lat 35°06'53', long 92°31'35", in NE 1/4 SE 1/4 sec.31, T.6 N., R.14 W., Faulkner County, about 600 ft downstream from bridge on U.S. Highway 64, 4.0 mi west of Conway.	752	1979-87	10-12-86	21.12	(a)
07261800	Brogan Creek near Rover, Ark.	Lat 34°54'28", long 93°24'06", in NW 1/4 SE 1/4 sec.13, T.3 N., R.23 W., Yell County, at culvert on State Highway 27, 2.7 mi south of Rover. Prior to 1968 published as Fourche LaFave River tributary near Rover.	1.40	1963-87	03-18-87	5.22	213
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† 1981-87	04-06-87	9.43	5,500
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	1980-87	03-05-87	19.43	7,460
07263100	Fourche LaFave River tributary 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 culvert on State Highway 60, 2.2 mi northeast of Perryville.	1.47	1962-87	05-24-87	6.95	145
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, 1981-87	11-07-86	10.40	2,070
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, 1981-87	11-07-86	9.70	1,730
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	1978-87	11-07-86	8.76	2,700
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† 1981-87	03-21-87	9.03	1,850
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† 1981-87	03-17-87	13.47	8,620

[†] Operated as a continuous-record gaging station.

a Not determined.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations--Continued

					Annual maximum		
Station	Station name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis- charge (ft ³ /s)
Red River basin--Continued							
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 south- west of Dierks.	121	1938-80 [†] 1981-87	03-17-87	10.02	2,410
07355800	Lewis Creek trib- utary 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 cul- vert on U.S. Highway 71, 3.1 mi northeast of Mena.	.65	1961-87	03-17-87	3.40	168
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	1963-87	03-18-87	18.30	2,270
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	1962-87	05-02-87	8.18	1,230
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 [†] 1984-87	03-02-87	13.12	6,300
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 con- fluence of North Fork and Alum Fork.	550	1951-79 [†] 1980-87	02-28-87	20.23	23,800
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 [†] 1983-87	03-04-87	17.15	20,000
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	1963-87	12-09-86	4.25	40
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	1961-87	02-28-87	5.19	130
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	1961-87	12-08-86	7.23	48

[†] Operated as a continuous-record gaging station.

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 1987

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)	1986	11-17-86 02-23-87 06-11-87	146 117 1.94
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)	1986	10-22-86 01-13-87 04-08-87	51.4 218 80.6
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, 1983-86	10-21-86 03-11-87 06-16-87 09-22-87	9.34 88.2 23.1 5.25
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)	1974-86	09-11-86 01-21-87 04-30-87	b14.5 115 81.3
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)	1974-86	11-19-86 02-26-87 06-09-87	1.03 12.6 0
Wattensaw Bayou	White River	Lat 34°52'34", long 91°33'56", in SE 1/4 SE 1/4 sec.18, T.3 N., R.5 W., Prairie County, at bridge on State Highway 11, 7.0 mi north of Hazen.	(a)	1986	10-28-86 01-27-87 06-02-87	0 0 86.3
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	1971-86	10-22-86 01-13-87 04-08-87	23.4 80.7 35.0
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	1950-75c 1977, 1982-86	08-12-86 10-22-86 01-13-87 04-08-87 08-04-87	b62.3 193 151 179 28.6
Illinois River	Arkansas River	Lat 36°08'41", long 94°29'41", in SW 1/4 SW 1/4 sec.15, T.17 N., R.33 W., Benton County, at bridge on State Highway 16, 4.6 mi southeast of Siloam Springs.	509	1979-81c 1982-85 1986c	01-13-87 04-08-87	820 526
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)	1986	10-21-86 01-14-87 04-08-87 08-11-87	0 8.34 3.54 0
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)	1964-67d 1986	11-12-86 01-14-87 04-07-87 08-11-87	9.56 38.0 29.9 e0.05

a Not determined.

b Not previously published.

c Operated as a continuous-record gaging station.

d Operated as a low-flow partial-record station.

e Estimated.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Measurements at Miscellaneous Sites--Continued

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1987

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	1962-78d 1971-73 1986	10-21-86 01-13-87 04-08-87	26.5 312 95.0
Days Creek f/	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)	1973-86	10-08-86 01-07-87 04-21-87 08-12-87	38.4 68.6 21.0 16.2
Bodcau Creek	Red Chute Bayou	Lat 33°15'36", long 93°33'00", in SE 1/4 sec.14, T.17 S., R.14 W., Lafayette County, at bridge on State Highway 313, 6.7 mi southeast of Lewisville.	(a)	1974-85	12-10-86 09-29-87	1,570 e0.6
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	1986	10-21-86 01-13-87 04-07-87 08-11-87	113 793 235 34.4
Little Missouri	Ouachita River	Lat 34°18'41", long 93°53'58", in SW 1/4 sec.16, T.5 S., R.26 W., Pike County at bridge on State Highway 84, 3.3 mi west of Langley.	66.5	1958-63d 1974-86	10-21-86 01-13-87 04-07-87 08-11-87	27.0 147 70.1 19.4
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	1958-63c 1974-86	10-21-86 05-08-87 09-28-87	0 357 0
Hurricane Creek	Saline River	Lat 34°30'40", long 92°24'54", in SW 1/4 sec.28, T.2 S., R.13 W., Saline County at crossing on county road, 200 ft downstream from Brushy Creek, 1.5 mi southwest of Sardis.	(a)	1974-86	09-08-86 12-11-86 04-27-87 07-13-87	be0.10 342 20.0 e0.50
Bayou Bartholomew	Ouachita River	Lat 34°06'24", long 91°54'06", in NW 1/4 sec.22, T.7 W., R.8 W., Jefferson County at bridge on county road, 2.2 south of Ladd.	(a)	1968, 1974-86	01-20-87	89.4

a Not determined.

b Not previously published.

c Operated as a continuous-record gaging station.

d Operated as a low-flow partial-record station.

e Estimated.

f Operated as a stage station by U.S. Army 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.

WHITE RIVER BASIN

07048800 RICHLAND CREEK AT GOSHEN, ARK.
(LAT 36 06 10 LONG 094 00 25)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
12...	1330	80513	80020	0.0	--	--	--	--
12...	1335	80513	80020	1.00	115	7.30	6.5	12.7
MAY								
14...	0730	80513	80020	0.0	--	--	--	--
14...	0735	80513	80020	2.00	99	7.40	18.0	7.5
AUG								
20...	1300	80513	80020	0.0	--	--	--	--
20...	1305	80513	80020	1.00	238	7.67	29.0	9.3

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, O.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
12...	1330	0.61	28	--	--	--	--	--
12...	1335	--	--	33	9.8	0.6	52	--
MAY								
14...	0730	0.33	K14000	--	--	--	--	--
14...	0735	--	--	65	77	4.2	43	15
AUG								
20...	1300	>0.61	31	--	--	--	--	--
20...	1305	--	--	2	3.2	1.1	96	34

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN								
12...	1335	--	40	1.10	0.020	<0.010	0.600	<0.100
MAY								
14...	0735	1.4	38	0.600	0.170	0.060	6.00	0.400
AUG								
20...	1305	2.8	98	<0.100	0.030	<0.010	2.20	0.400

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
12...	1400	80513	80020	0.0	--	--	--	--
12...	1401	80513	80020	3.00	--	--	--	--
12...	1405	80513	80020	22.0	106	7.01	4.5	12.1
MAY								
13...	1500	80513	80020	0.0	--	--	--	--
13...	1501	80513	80020	3.00	--	--	--	--
13...	1505	80513	80020	20.0	188	6.76	17.5	1.3
AUG								
20...	1215	80513	80020	0.0	--	--	--	--
20...	1216	80513	80020	3.00	--	--	--	--
20...	1220	80513	80020	20.0	168	6.94	27.5	0.9

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07048910 BEAVER LAKE AT HIGHWAY 68 BRIDGE NEAR SONORA, ARK.--CONTINUED
(LAT 36 06 14 LONG 094 00 26)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
12...	1400	30.0	K370	--	--	--	--	--
12...	1405	--	--	110	50	2.7	40	--
MAY								
13...	1500	1.30	2	--	--	--	--	--
13...	1505	--	--	19	5.2	1.8	91	33
AUG								
20...	1215	1.60	12	--	--	--	--	--
20...	1220	--	--	1	2.2	1.0	63	22

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD (MG/L AS CAC03) (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS, ORTHO, 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)
JAN								
12...	1401	--	--	--	--	--	1.50	0.100
12...	1405	--	29	0.600	0.070	0.050	--	--
MAY								
13...	1501	--	--	--	--	--	42.0	4.60
13...	1505	2.0	84	0.600	0.060	0.040	--	--
AUG								
20...	1216	--	--	--	--	--	22.0	1.20
20...	1220	1.9	66	<0.100	0.040	<0.010	--	--

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
12...	1500	80513	80020	0.0	--	--	--	--
12...	1505	80513	80020	2.00	134	7.52	6.0	12.5
MAY								
13...	1030	80513	80020	0.0	--	--	--	--
13...	1035	80513	80020	1.00	189	7.70	21.0	7.8
AUG								
19...	1130	80513	80020	0.0	--	--	--	--
19...	1135	80513	80020	2.00	232	7.72	26.0	7.4

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
12...	1500	1.20	K61	--	--	--	--	--
12...	1505	--	--	35	11	0.9	60	--
MAY								
13...	1030	>0.61	33	--	--	--	--	--
13...	1035	--	--	7	2.5	1.6	89	33
AUG								
19...	1130	>1.20	170	--	--	--	--	--
19...	1135	--	--	3	1.1	1.2	94	35

WHITE RIVER BASIN--CONTINUED

07049050 BEAVER LAKE AT WAR EAGLE, ARK.--CONTINUED
(LAT 36 16 03 LONG 093 56 35)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	NITRO- GEN, NO2+N03 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)
JAN								
12...	1505	--	40	1.10	0.020	0.010	1.00	<0.100
MAY								
13...	1035	1.7	78	0.900	0.020	<0.010	1.80	0.200
AUG								
19...	1135	1.7	100	0.400	0.040	0.010	4.80	0.500

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JAN									
13...	1300	80513	80020	0.0	--	--	--	--	1.60
13...	1301	80513	80020	3.00	--	--	--	--	--
13...	1305	80513	80020	17.0	153	7.73	6.0	11.6	--
13...	1310	80513	80020	68.0	158	7.72	6.0	11.4	--
MAY									
13...	1200	80513	80020	0.0	--	--	--	--	1.10
13...	1201	80513	80020	3.00	--	--	--	--	0.0
13...	1205	80513	80020	17.0	125	7.55	19.0	5.6	--
13...	1210	80513	80020	68.0	138	7.06	9.5	3.4	--
AUG									
20...	0900	80513	80020	0.0	--	--	--	--	2.80
20...	0901	80513	80020	3.00	--	--	--	--	--
20...	0905	80513	80020	16.0	137	8.38	28.5	7.0	--
20...	0910	80513	80020	64.0	153	7.23	11.0	1.6	--

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)
JAN									
13...	1300	0	--	--	--	--	--	--	--
13...	1305	--	6	2.4	1.1	66	--	--	60
13...	1310	--	6	2.9	1.4	68	--	--	61
MAY									
13...	1200	0	--	--	--	--	--	--	--
13...	1205	--	16	3.6	1.4	54	19	1.5	48
13...	1210	--	24	7.5	1.2	57	20	1.7	44
AUG									
20...	0900	2	--	--	--	--	--	--	--
20...	0905	--	2	0.70	0.8	59	21	1.6	56
20...	0910	--	13	14	1.0	64	23	1.7	66

DATE	TIME	NITRO- GEN, NO2+N03 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)
JAN									
13...	1305	0.700	0.030	<0.010	80	1	<10	7	150
13...	1310	0.700	0.010	0.010	60	1	<10	6	150
MAY									
13...	1205	0.400	0.020	<0.010	90	<1	<10	3	110
13...	1210	0.900	0.030	0.020	160	<1	<10	2	260
AUG									
20...	0905	<0.100	0.030	<0.010	<10	<1	--	<1	<10
20...	0910	0.200	0.080	0.010	400	2	<10	<1	1400

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07049200 BEAVER LAKE AT ROGERS WATER INTAKE NEAR LOWELL, ARK.--CONTINUED
(LAT 36 15 31 LONG 094 04 09)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JAN								
13...	1301	--	--	--	--	--	4.30	0.200
13...	1305	<5	30	<0.10	3	<10	--	--
13...	1310	<5	40	<0.10	3	<10	--	--
MAY								
13...	1201	--	--	--	--	--	32.0	2.10
13...	1205	<5	10	<0.10	2	<10	--	--
13...	1210	<5	100	<0.10	2	<10	--	--
AUG								
20...	0901	--	--	--	--	--	3.30	0.200
20...	0905	<5	20	0.20	<1	<10	--	--
20...	0910	<5	2100	0.20	<1	<10	--	--

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
13...	1330	80513	80020	0.0	--	--	--	--
13...	1331	80513	80020	3.00	--	--	--	--
13...	1335	80513	80020	4.00	201	7.57	7.5	12.3
MAY								
13...	1215	80513	80020	0.0	--	--	--	--
13...	1220	80513	80020	3.00	140	8.97	24.5	12.0
AUG								
20...	0930	80513	80020	0.0	--	--	--	--
20...	0935	80513	80020	3.00	147	8.54	28.0	8.4

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS WATER AS CAC03 (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
13...	1330	1.90	8	--	--	--	--	--
13...	1335	--	--	5	1.0	1.3	80	--
MAY								
13...	1215	0.91	1	--	--	--	--	--
13...	1220	--	--	15	3.0	3.0	64	23
AUG								
20...	0930	>1.80	30	--	--	--	--	--
20...	0935	--	--	2	7.1	1.2	59	21

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN								
13...	1331	--	--	--	--	--	6.60	0.400
13...	1335	--	87	1.50	0.010	<0.010	--	--
MAY								
13...	1220	1.5	54	0.400	0.030	<0.010	24.0	2.20
AUG								
20...	0935	1.6	62	<0.100	0.030	<0.010	8.70	0.800

WHITE RIVER BASIN--CONTINUED

07049500 BEAVER LAKE AT HIGHWAY 12 BRIDGE NEAR ROGERS, ARK.
(LAT 36 19 57 LONG 094 01 08)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JAN									
13...	1400	80513	80020	0.0	--	--	--	--	1.50
13...	1401	80513	80020	3.00	--	--	--	--	--
13...	1405	80513	80020	23.0	144	7.20	7.0	10.4	--
13...	1410	80513	80020	92.0	146	7.22	7.0	9.6	--
MAY									
13...	1100	80513	80020	0.0	--	--	--	--	2.40
13...	1101	80513	80020	3.00	--	--	--	--	--
13...	1105	80513	80020	23.0	122	7.19	15.0	5.0	--
13...	1110	80513	80020	92.0	151	7.15	9.0	5.8	--
AUG									
20...	1100	80513	80020	0.0	--	--	--	--	2.20
20...	1101	80513	80020	3.00	--	--	--	--	--
20...	1105	80513	80020	22.0	136	8.44	28.5	7.2	--
20...	1110	80513	80020	88.0	149	7.20	9.5	1.0	--

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)
JAN									
13...	1400	1	--	--	--	--	--	--	--
13...	1405	--	5	3.6	1.1	60	--	--	58
13...	1410	--	7	6.2	0.9	60	--	--	58
MAY									
13...	1100	0	--	--	--	--	--	--	--
13...	1105	--	14	3.3	1.3	54	19	1.6	46
13...	1110	--	7	2.2	0.9	65	23	1.8	64
AUG									
20...	1100	1	--	--	--	--	--	--	--
20...	1105	--	1	1.3	1.0	59	21	1.6	56
20...	1110	--	2	3.2	0.6	64	23	1.7	58

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)
JAN									
13...	1405	0.300	0.020	<0.010	60	1	<10	4	160
13...	1410	0.500	0.010	<0.010	80	1	<10	6	240
MAY									
13...	1105	0.600	0.020	<0.010	70	<1	<10	2	90
13...	1110	0.700	0.020	<0.010	50	<1	<10	2	70
AUG									
20...	1105	<0.100	0.020	<0.010	40	<1	--	1	20
20...	1110	0.700	0.020	<0.010	60	<1	--	<1	140

DATE	TIME	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JAN								
13...	1401	--	--	--	--	--	2.20	<0.100
13...	1405	<5	30	<0.10	2	<10	--	--
13...	1410	<5	40	<0.10	2	<10	--	--
MAY								
13...	1101	--	--	--	--	--	4.00	0.300
13...	1105	<5	10	<0.10	1	<10	--	--
13...	1110	<5	40	<0.10	1	<10	--	--
AUG								
20...	1101	--	--	--	--	--	2.30	0.200
20...	1105	<5	30	0.20	<1	<10	--	--
20...	1110	<5	650	0.20	<1	<10	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07049570 BEAVER LAKE ON PRAIRIE CREEK NEAR ROGERS, ARK.
(LAT 36 20 48 LONG 094 04 57)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
13...	1200	80513	80020	0.0	--	--	--	--
13...	1201	80513	80020	3.00	--	--	--	--
13...	1205	80513	80020	4.00	266	6.92	8.0	11.0
MAY								
13...	1300	80513	80020	0.0	--	--	--	--
13...	1305	80513	80020	3.00	135	8.39	25.5	9.6
AUG								
19...	1300	80513	80020	0.0	--	--	--	--
19...	1305	80513	80020	3.00	142	8.35	29.0	7.9

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
13...	1200	1.80	5	--	--	--	--	--
13...	1205	--	--	3	1.4	1.1	92	--
MAY								
13...	1300	1.10	0	--	--	--	--	--
13...	1305	--	--	13	1.8	2.0	57	20
AUG								
19...	1300	1.70	17	--	--	--	--	--
19...	1305	--	--	2	1.5	1.4	59	21

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN								
13...	1201	--	--	--	--	--	1.20	<0.100
13...	1205	--	114	1.40	0.020	<0.010	--	--
MAY								
13...	1305	1.6	48	0.400	0.020	<0.010	7.30	0.900
AUG								
19...	1305	1.7	60	<0.100	0.020	<0.010	5.20	0.400

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JAN									
13...	1140	80513	80020	0.0	--	--	--	--	1.60
13...	1141	80513	80020	3.00	--	--	--	--	--
13...	1145	80513	80020	5.00	154	7.69	7.0	12.4	--
MAY									
13...	1330	80513	80020	0.0	--	--	--	--	1.10
13...	1331	80513	80020	3.00	--	--	--	--	--
13...	1335	80513	80020	4.00	133	8.61	25.5	9.9	--
AUG									
19...	1320	80513	80020	0.0	--	--	--	--	1.70
19...	1325	80513	80020	3.00	139	8.26	29.5	7.4	--

WHITE RIVER BASIN--CONTINUED

07049590 BEAVER LAKE NEAR AVOCA, ARK.--CONTINUED
(LAT 36 22 10 LONG 094 03 38)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L CAC03) (00900)	CALCIUM DIS- SOLVED AS CA (00915)	MAGNE- SIUM, DIS- SOLVED AS MG (00925)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)
JAN									
13...	1140	0	6	2.3	--	--	--	--	--
13...	1145	--	--	--	0.6	68	--	--	64
MAY									
13...	1330	0	--	--	--	--	--	--	--
13...	1335	--	13	1.8	2.4	59	21	1.6	60
AUG									
19...	1320	5	--	--	--	--	--	--	--
19...	1325	--	2	0.50	0.7	62	22	1.7	58

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)
JAN									
13...	1140	--	--	--	40	<1	<10	3	110
13...	1145	0.500	0.020	<0.010	--	--	--	--	--
MAY									
13...	1335	0.400	0.020	<0.010	60	<1	10	3	70
AUG									
19...	1325	<0.100	0.020	<0.010	10	<1	10	1	20

DATE	TIME	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
JAN								
13...	1140	<5	20	<0.10	1	<10	--	--
13...	1141	--	--	--	--	--	7.60	0.200
MAY								
13...	1331	--	--	--	--	--	<11.0	1.10
13...	1335	<5	30	0.20	1	<10	--	--
AUG								
19...	1325	<5	30	<0.10	<1	<10	3.50	0.300

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
14...	0920	80513	80020	0.0	--	--	--	--
14...	0921	80513	80020	3.00	--	--	--	--
14...	0925	80513	80020	10.0	152	7.80	8.0	10.1
14...	0930	80513	80020	40.0	200	7.98	5.5	11.8
MAY								
12...	1430	80513	80020	0.0	--	--	--	--
12...	1431	80513	80020	3.00	--	--	--	--
12...	1435	80513	80020	12.0	173	8.56	21.5	10.6
12...	1440	80513	80020	48.0	155	7.37	11.5	6.3
AUG								
18...	1415	80513	80020	0.0	--	--	--	--
18...	1416	80513	80020	3.00	--	--	--	--
18...	1420	80513	80020	10.0	188	8.31	29.5	8.2
18...	1425	80513	80020	40.0	155	7.24	17.0	5.7

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07050080 TABLE ROCK LAKE NEAR EAGLE ROCK, MO.--CONTINUED
(LAT 36 31 22 LONG 093 43 26)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
14...	0920	2.00	2	--	--	--	--	--
14...	0925	--	--	4	1.7	1.0	69	--
14...	0930	--	--	3	2.0	1.1	100	--
MAY								
12...	1430	4.20	0	--	--	--	--	--
12...	1435	--	--	2	0.60	1.2	92	29
12...	1440	--	--	3	1.1	1.0	76	26
AUG								
18...	1415	2.20	5	--	--	--	--	--
18...	1420	--	--	4	0.50	0.9	97	27
18...	1425	--	--	3	0.90	1.0	84	26

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS (00410)	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) (00507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (00953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (00954)
JAN								
14...	0921	--	--	--	--	--	1.00	<0.100
14...	0925	--	104	0.300	0.010	<0.010	--	--
14...	0930	--	102	0.400	0.010	<0.010	--	--
MAY								
12...	1431	--	--	--	--	--	0.700	<0.100
12...	1435	4.7	86	0.200	0.010	<0.010	--	--
12...	1440	2.6	64	0.500	0.020	<0.010	--	--
AUG								
18...	1416	--	--	--	--	--	5.20	0.300
18...	1420	7.3	88	<0.100	0.010	<0.010	--	--
18...	1425	4.7	76	0.200	0.020	<0.010	--	--

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
14...	1000	80513	80020	0.0	--	--	--	--
14...	1005	80513	80020	2.00	248	7.88	7.0	11.6
14...	1006	80513	80020	3.00	--	--	--	--
14...	1010	80513	80020	7.00	248	7.89	7.0	11.3
MAY								
12...	1400	80513	80020	0.0	--	--	--	--
12...	1401	80513	80020	3.00	--	--	--	--
12...	1405	80513	80020	4.00	269	8.17	24.5	9.2
12...	1410	80513	80020	--	307	7.40	18.5	0.5
AUG								
18...	1330	80513	80020	0.0	--	--	--	--
18...	1335	80513	80020	3.00	343	7.76	29.0	6.9
18...	1340	80513	80020	9.00	347	7.49	28.5	4.7

WHITE RIVER BASIN--CONTINUED

07050510 TABLE ROCK LAKE (KINGS RIVER) NEAR CARR LANE, MO.--CONTINUED
(LAT 36 30 08 LONG 093 36 00)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
14...	1000	1.40	22	--	--	--	--	--
14...	1005	--	--	9	5.2	0.8	130	--
14...	1010	--	--	8	5.1	0.9	130	--
MAY								
12...	1400	0.94	0	--	--	--	--	--
12...	1405	--	--	7	1.0	2.3	140	40
12...	1410	--	--	14	4.7	1.8	150	41
AUG								
18...	1330	0.95	5	--	--	--	--	--
18...	1335	--	--	4	2.2	2.0	170	43
18...	1340	--	--	13	2.8	1.8	180	45

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL 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, ORTH0, 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)
JAN								
14...	1005	--	110	1.10	0.020	0.010	--	--
14...	1006	--	--	--	--	--	1.70	<0.100
14...	1010	--	118	1.10	0.030	0.020	--	--
MAY								
12...	1401	--	--	--	--	--	16.0	1.00
12...	1405	10	124	0.200	0.020	<0.010	--	--
12...	1410	11	130	0.200	0.040	<0.010	--	--
AUG								
18...	1335	16	160	<0.100	0.040	<0.010	23.0	3.00
18...	1340	17	164	<0.100	0.080	<0.010	--	--

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
14...	1130	80513	80020	0.0	--	--	--	--
14...	1131	80513	80020	3.00	--	--	--	--
14...	1135	80513	80020	26.0	205	7.80	7.5	9.8
14...	1140	80513	80020	104	207	7.72	7.5	9.4
MAY								
12...	1300	80513	80020	0.0	--	--	--	--
12...	1301	80513	80020	3.00	--	--	--	--
12...	1305	80513	80020	27.0	187	8.12	15.5	9.6
12...	1310	80513	80020	108	195	7.51	8.5	6.3
AUG								
18...	1230	80513	80020	0.0	--	--	--	--
18...	1231	80513	80020	3.00	--	--	--	--
18...	1235	80513	80020	27.0	189	8.00	28.0	7.5
18...	1240	80513	80020	108	181	6.95	9.5	0.9

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07050530 TABLE ROCK LAKE NEAR LAMPE, MO.--CONTINUED
(LAT 36 34 20 LONG 093 31 25)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS AS CAC03 (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
14...	1130	2.10	0	--	--	--	--	--
14...	1135	--	--	6	0.80	0.9	100	--
14...	1140	--	--	4	1.4	0.6	100	--
MAY								
12...	1300	4.10	0	--	--	--	--	--
12...	1305	--	--	2	1.0	1.3	96	29
12...	1310	--	--	3	0.60	0.9	94	28
AUG								
18...	1230	2.20	1	--	--	--	--	--
18...	1235	--	--	1	0.30	0.9	95	26
18...	1240	--	--	2	0.80	0.8	95	28

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	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)
JAN								
14...	1131	--	--	--	--	--	1.50	<0.100
14...	1135	--	94	0.300	0.010	0.010	--	--
14...	1140	--	102	0.300	0.010	<0.010	--	--
MAY								
12...	1301	--	--	--	--	--	0.900	<0.100
12...	1305	5.8	80	0.400	0.010	<0.010	--	--
12...	1310	5.9	82	0.500	0.010	<0.010	--	--
AUG								
18...	1231	--	--	--	--	--	1.30	0.100
18...	1235	7.4	86	<0.100	0.010	<0.010	--	--
18...	1240	6.0	80	0.400	0.010	<0.010	--	--

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
14...	1330	80513	80020	0.0	--	--	--	--
14...	1331	80513	80020	3.00	--	--	--	--
14...	1335	80513	80020	8.00	382	8.28	4.5	12.8
14...	1340	80513	80020	32.0	415	8.33	4.5	12.5
MAY								
12...	1020	80513	80020	0.0	--	--	--	--
12...	1021	80513	80020	3.00	--	--	--	--
12...	1025	80513	80020	9.00	295	8.26	22.5	11.3
12...	1030	80513	80020	36.0	325	7.46	13.0	0.6
AUG								
18...	1000	80513	80020	0.0	--	--	--	--
18...	1001	80513	80020	3.00	--	--	--	--
18...	1005	80513	80020	8.00	249	8.47	29.5	8.1
18...	1010	80513	80020	32.0	366	7.23	26.5	0.6

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

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WHITE RIVER BASIN--CONTINUED

07052910 TABLE ROCK LAKE (JAMES RIVER ARM) AT CAPE FAIR, MO.--CONTINUED
(LAT 36 43 24 LONG 093 29 35)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
14...	1330	1.50	0	--	--	--	--	--
14...	1335	--	--	5	1.9	1.2	190	--
14...	1340	--	--	2	1.6	1.1	190	--
MAY								
12...	1020	1.20	0	--	--	--	--	--
12...	1025	--	--	13	1.5	2.4	140	45
12...	1030	--	--	6	2.2	1.8	150	51
AUG								
18...	1000	1.20	1	--	--	--	--	--
18...	1005	--	--	4	2.3	2.8	87	25
18...	1010	--	--	6	2.8	2.3	130	39

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN								
14...	1331	--	--	--	--	--	3.40	<0.100
14...	1335	--	160	1.90	0.190	0.170	--	--
14...	1340	--	162	2.10	0.260	0.250	--	--
MAY								
12...	1021	--	--	--	--	--	21.0	1.90
12...	1025	5.8	132	0.700	0.080	0.050	--	--
12...	1030	5.9	138	0.900	0.090	0.080	--	--
AUG								
18...	1001	--	--	--	--	--	33.0	2.00
18...	1005	6.0	86	<0.100	0.070	<0.010	--	--
18...	1010	7.4	106	<0.100	0.160	0.060	--	--

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
14...	1200	80513	80020	0.0	--	--	--	--
14...	1201	80513	80020	3.00	--	--	--	--
14...	1205	80513	80020	28.0	237	7.81	8.0	9.8
14...	1210	80513	80020	112	248	7.84	7.0	9.6
MAY								
12...	1145	80513	80020	0.0	--	--	--	--
12...	1146	80513	80020	3.00	--	--	--	--
12...	1150	80513	80020	29.0	258	7.85	14.5	6.7
12...	1155	80513	80020	116	307	7.49	9.0	3.2
AUG								
18...	1100	80513	80020	0.0	--	--	--	--
18...	1101	80513	80020	3.00	--	--	--	--
18...	1105	80513	80020	28.0	268	7.15	25.5	0.6
18...	1110	80513	80020	112	305	7.15	10.5	0.5

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07052920 TABLE ROCK LAKE (JAMES RIVER ARM) NEAR KIMBERLING CITY, MO.--CONTINUED
(LAT 36 38 23 LONG 093 29 27)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
14...	1200	3.10	0	--	--	--	--	--
14...	1205	--	--	2	0.90	0.8	110	--
14...	1210	--	--	4	0.90	0.9	110	--
MAY								
12...	1145	2.70	0	--	--	--	--	--
12...	1150	--	--	12	1.0	1.2	120	37
12...	1155	--	--	6	0.80	1.1	140	44
AUG								
18...	1100	2.70	0	--	--	--	--	--
18...	1105	--	--	2	0.40	0.8	86	24
18...	1110	--	--	2	0.40	0.9	140	44

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	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, ORTH0, 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)
JAN								
14...	1201	--	--	--	--	--	2.60	<0.100
14...	1205	--	100	0.500	0.020	<0.010	--	--
14...	1210	--	108	0.400	0.020	<0.010	--	--
MAY								
12...	1146	--	--	--	--	--	4.10	0.200
12...	1150	6.1	106	0.800	0.020	<0.010	--	--
12...	1155	6.4	126	1.30	0.030	0.040	--	--
AUG								
18...	1101	--	--	--	--	--	3.90	0.200
18...	1105	6.4	86	<0.100	0.010	<0.010	--	--
18...	1110	6.5	132	1.20	0.080	0.010	--	--

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 ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
14...	1600	80513	80020	0.0	--	--	--	--
14...	1601	80513	80020	3.00	--	--	--	--
14...	1605	80513	80020	21.0	220	7.80	8.0	10.0
14...	1610	80513	80020	84.0	225	7.81	7.0	9.7
MAY								
12...	0845	80513	80020	0.0	--	--	--	--
12...	0846	80513	80020	3.00	--	--	--	--
12...	0850	80513	80020	22.0	222	8.89	17.0	12.8
12...	0855	80513	80020	88.0	237	7.75	9.5	6.8
AUG								
18...	0700	80513	80020	0.0	--	--	--	--
18...	0701	80513	80020	3.00	--	--	--	--
18...	0705	80513	80020	20.0	197	8.56	28.5	7.9
18...	0710	80513	80020	80.0	254	7.47	11.0	0.7

WHITE RIVER BASIN--CONTINUED

07053320 TABLE ROCK LAKE (LONG CREEK ARM) NEAR RIDGEDALE, MO.--CONTINUED
(LAT 36 31 39 LONG 093 18 10)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
14...	1600	3.20	0	--	--	--	--	--
14...	1605	--	--	3	1.0	0.9	110	--
14...	1610	--	--	2	2.1	1.1	110	--
MAY								
12...	0845	4.20	1	--	--	--	--	--
12...	0850	--	--	3	1.0	1.4	110	35
12...	0855	--	--	2	1.0	0.9	120	40
AUG								
18...	0700	3.80	0	--	--	--	--	--
18...	0705	--	--	2	0.40	0.8	93	26
18...	0710	--	--	13	1.3	0.8	130	42

DATE	TIME	MAGNE- SIUM, WH WAT DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY GEN, 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)
JAN								
14...	1601	--	--	--	--	--	0.600	<0.100
14...	1605	--	60	0.200	0.010	<0.010	--	--
14...	1610	--	92	0.200	0.010	0.010	--	--
MAY								
12...	0846	--	--	--	--	--	1.40	<0.100
12...	0850	6.1	96	0.300	0.020	<0.010	--	--
12...	0855	4.9	104	0.700	0.020	<0.010	--	--
AUG								
18...	0701	--	--	--	--	--	2.00	0.100
18...	0705	6.8	88	<0.100	0.010	<0.010	--	--
18...	0710	5.6	118	0.500	0.010	<0.010	--	--

07053700 LAKE TANEYCOMO AT BRANSON, MO.
(LAT 36 38 09 LONG 93 15 52)

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
15...	0745	80513	80020	0.0	--	--	--	--
15...	0750	80513	80020	3.00	286	7.70	8.5	10.1
15...	0755	80513	80020	13.0	248	7.69	8.5	10.0
MAY								
11...	1430	80513	80020	0.0	--	--	--	--
11...	1431	80513	80020	3.00	--	--	--	--
11...	1435	80513	80020	4.00	238	8.03	10.0	9.9
11...	1440	80513	80020	16.0	239	8.08	10.0	9.6
AUG								
17...	1635	80513	80020	0.0	--	--	--	--
17...	1636	80513	80020	3.00	--	--	--	--
17...	1640	80513	80020	4.00	242	7.46	18.5	8.1
17...	1645	80513	80020	14.0	233	7.52	13.5	7.8

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07053700 LAKE TANEYCOMO AT BRANSON, MO.--CONTINUED
(LAT 36 38 09 LONG 93 15 52)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
15...	0745	3.10	3	--	--	--	--	--
15...	0750	--	--	2	0.70	0.8	120	--
15...	0755	--	--	3	0.80	1.0	120	--
MAY								
11...	1430	5.00	12	--	--	--	--	--
11...	1435	--	--	1	0.70	1.0	120	38
11...	1440	--	--	2	0.80	0.8	120	38
AUG								
17...	1635	2.50	18	--	--	--	--	--
17...	1640	--	--	1	0.80	0.8	110	32
17...	1645	--	--	2	0.60	1.2	100	31

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN								
15...	0750	--	114	0.400	0.020	0.010	0.300	<0.100
15...	0755	--	108	0.400	0.020	0.020	--	--
MAY								
11...	1431	--	--	--	--	--	1.20	<0.100
11...	1435	6.5	94	0.500	0.010	<0.010	--	--
11...	1440	6.6	108	0.300	0.010	<0.010	--	--
AUG								
17...	1636	--	--	--	--	--	0.400	<0.100
17...	1640	7.1	112	0.500	0.030	<0.010	--	--
17...	1645	6.6	104	0.500	0.010	<0.010	--	--

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 ANALYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
15...	0840	80513	80020	0.0	--	--	--	--
15...	0845	80513	80020	3.00	267	7.95	6.0	11.2
MAY								
11...	1345	80513	80020	0.0	--	--	--	--
11...	1346	80513	80020	3.00	--	--	--	--
11...	1350	80513	80020	6.00	244	8.26	14.0	10.4
AUG								
17...	1515	80513	80020	0.0	--	--	--	--
17...	1516	80513	80020	3.00	--	--	--	--
17...	1520	80513	80020	4.00	237	7.63	19.0	8.4

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
15...	0840	1.90	9	--	--	--	--	--
15...	0845	--	--	5	1.8	1.3	140	--
MAY								
11...	1345	1.60	3	--	--	--	--	--
11...	1350	--	--	3	1.0	1.5	120	38
AUG								
17...	1515	1.80	4	--	--	--	--	--
17...	1520	--	--	2	0.50	1.7	120	35

WHITE RIVER BASIN--CONTINUED

07053830 BULL SHOALS LAKE AT FORSYTH, MO.--CONTINUED
(LAT 36 40 17 LONG 093 07 10)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN								
15...	0845	--	122	0.400	0.020	0.010	1.60	0.100
MAY								
11...	1346	--	--	--	--	--	3.60	0.300
11...	1350	7.1	106	0.400	0.020	<0.010	--	--
AUG								
17...	1516	--	--	--	--	--	3.00	0.300
17...	1520	7.0	108	0.400	0.020	<0.010	--	--

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
15...	1025	80513	80020	0.0	--	--	--	--
15...	1026	80513	80020	3.00	--	--	--	--
15...	1030	80513	80020	17.0	251	7.82	5.5	12.2
MAY								
07...	0930	80513	80020	0.0	--	--	--	--
07...	0931	80513	80020	3.00	--	--	--	--
07...	0935	80513	80020	20.0	256	8.74	19.0	11.3
AUG								
13...	0900	80513	80020	0.0	--	--	--	--
13...	0901	80513	80020	3.00	--	--	--	--
13...	0905	80513	80020	17.0	218	8.61	29.5	7.5

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
15...	1025	1.90	7	--	--	--	--	--
15...	1030	--	--	3	1.5	1.4	130	--
MAY								
07...	0930	2.00	0	--	--	--	--	--
07...	0935	--	--	2	0.60	0.9	130	38
AUG								
13...	0900	2.10	1	--	--	--	--	--
13...	0905	--	--	1	0.80	0.6	110	26

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN								
15...	1026	--	--	--	--	--	4.20	<0.100
15...	1030	--	118	0.300	0.010	0.010	--	--
MAY								
07...	0931	--	--	--	--	--	1.60	<0.100
07...	0935	8.8	112	0.200	0.010	<0.010	--	--
AUG								
13...	0901	--	--	--	--	--	8.00	0.800
13...	0905	10	98	<0.100	0.020	<0.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07054460 BULL SHOALS LAKE NEAR BUCK CREEK, ARK.
(LAT 36 29 25 LONG 092 47 15)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
08...	1100	80513	80020	0.0	--	--	--	--
08...	1101	80513	80020	3.00	--	--	--	--
08...	1105	80513	80020	26.0	236	7.55	8.0	10.8
08...	1110	80513	80020	102	238	7.71	8.0	10.1
MAY								
07...	1130	80513	80020	0.0	--	--	--	--
07...	1131	80513	80020	3.00	--	--	--	--
07...	1135	80513	80020	26.0	258	8.48	17.5	10.5
07...	1140	80513	80020	104	270	7.76	9.5	7.2
AUG								
13...	1145	80513	80020	0.0	--	--	--	--
13...	1146	80513	80020	3.00	--	--	--	--
13...	1150	80513	80020	25.0	238	8.41	29.0	7.6
13...	1155	80513	80020	100	274	7.46	11.5	0.3

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
08...	1100	3.40	0	--	--	--	--	--
08...	1105	--	--	4	0.60	1.5	130	--
08...	1110	--	--	2	0.60	1.2	120	--
MAY								
07...	1130	4.90	0	--	--	--	--	--
07...	1135	--	--	3	0.50	0.6	130	38
07...	1140	--	--	3	0.80	0.5	140	39
AUG								
13...	1145	5.00	0	--	--	--	--	--
13...	1150	--	--	2	0.30	0.4	110	27
13...	1155	--	--	1	0.40	0.2	130	38

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	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)
JAN								
08...	1101	--	--	--	--	--	2.90	<0.100
08...	1105	--	120	0.200	<0.010	<0.010	--	--
08...	1110	--	110	0.200	<0.010	<0.010	--	--
MAY								
07...	1131	--	--	--	--	--	1.10	<0.100
07...	1135	9.1	122	0.300	<0.010	<0.010	--	--
07...	1140	10	122	0.400	0.010	<0.010	--	--
AUG								
13...	1146	--	--	--	--	--	1.90	0.100
13...	1150	10	110	<0.100	0.010	<0.010	--	--
13...	1155	9.2	124	0.400	0.010	<0.010	--	--

WHITE RIVER BASIN--CONTINUED

07054471 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (FISH PENS)
(LAT 36 25 30 LONG 092 42 00)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

		AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
DATE	TIME								
JAN									
08...	1000	80513	80020	0.0	241	8.15	8.5	10.6	
08...	1001	80513	80020	3.00	241	8.13	8.5	10.5	
08...	1003	80513	80020	10.0	241	8.12	8.5	10.4	
08...	1005	80513	80020	15.0	241	8.13	8.5	10.3	
08...	1007	80513	80020	20.0	242	8.13	8.5	10.2	
08...	1009	80513	80020	30.0	242	8.12	8.5	10.2	
08...	1011	80513	80020	40.0	243	8.13	8.5	10.2	
08...	1013	80513	80020	50.0	243	8.13	8.5	10.1	
08...	1015	80513	80020	60.0	243	8.14	8.5	10.1	
08...	1017	80513	80020	70.0	243	8.12	8.5	9.9	
08...	1019	80513	80020	75.0	244	8.11	8.5	9.9	
		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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) AS (MG/L) (00340)	HARD- NESS (MG/L CAC03) (00900)	
DATE	TIME								
JAN									
08...	1000	3.40	0	--	--	--	--	--	
08...	1005	--	--	2	0.60	1.4	<10	130	
08...	1015	--	--	2	0.70	1.4	<10	130	
		ALKA- LITY WH WAT TOTAL 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)	
DATE	TIME								
JAN									
08...	1001	--	--	--	--	--	6.50	<0.100	
08...	1005	110	4.2	0.200	<0.010	<0.010	--	--	
08...	1015	118	4.2	0.200	<0.010	<0.010	--	--	
		AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
DATE	TIME								
MAY									
07.	1420	80513	80020	0.0	256	8.63	22.5	10.3	4.00
07.	1421	80513	80020	3.00	256	8.63	22.0	10.4	--
07.	1423	80513	80020	6.00	256	8.65	21.0	10.7	--
07.	1425	80513	80020	10.0	256	8.70	20.5	11.1	--
07.	1427	80513	80020	17.0	257	8.83	19.5	11.4	--
07.	1429	80513	80020	20.0	259	8.73	19.5	11.1	--
07.	1431	80513	80020	21.0	262	8.50	17.5	9.7	--
07.	1433	80513	80020	22.0	263	8.48	17.0	9.8	--
07.	1435	80513	80020	23.0	265	8.33	15.5	9.1	--
07.	1437	80513	80020	24.0	264	8.24	14.5	9.0	--
07.	1439	80513	80020	26.0	262	8.26	13.5	9.4	--
07.	1441	80513	80020	30.0	261	8.35	13.0	9.9	--
07.	1443	80513	80020	40.0	265	8.02	12.0	8.3	--
07.	1445	80513	80020	50.0	264	7.91	11.0	7.8	--
07.	1447	80513	80020	60.0	265	7.67	10.5	5.1	--
07.	1449	80513	80020	67.0	266	7.57	10.0	4.2	--
07.	1451	80513	80020	70.0	263	7.55	10.0	4.1	--
07.	1453	80513	80020	80.0	267	7.40	10.0	2.9	--
07.	1455	80513	80020	85.0	270	7.39	9.5	2.2	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07054471 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (FISH PENS)--CONTINUED
(LAT 36 25 30 LONG 092 42 00)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	HARD- NESS (MG/L CAC03) (00900)	CALCIUM DIS- SOLVED AS CA (MG/L) (00915)	MAGNE- SIUM, DIS- SOLVED AS MG (MG/L) (00925)
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MAY									
07.	1420	0	--	--	--	--	--	--	--
07.	1427	--	1	0.60	1.2	14	140	37	11
07.	1449	--	2	0.60	0.8	<10	140	39	11

DATE	TIME	ALKA- LITY WH WAT TOTAL 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)
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MAY								
07.	1421	--	--	--	--	--	0.400	<0.100
07.	1427	118	4.7	0.100	0.010	<0.010	--	--
07.	1449	130	4.4	0.300	0.020	<0.010	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
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AUG									
13.	1230	80513	80020	0.0	240	8.49	29.5	7.6	2.50
13.	1231	80513	80020	3.00	240	8.45	29.5	7.6	--
13.	1233	80513	80020	10.0	240	8.35	29.5	7.6	--
13.	1235	80513	80020	15.0	240	8.30	29.5	7.6	--
13.	1237	80513	80020	20.0	241	8.27	29.0	7.3	--
13.	1239	80513	80020	25.0	245	8.11	28.5	6.4	--
13.	1241	80513	80020	27.0	250	7.97	27.5	5.9	--
13.	1243	80513	80020	28.0	252	7.80	26.0	5.4	--
13.	1245	80513	80020	29.0	256	7.77	25.5	5.3	--
13.	1247	80513	80020	30.0	257	7.70	25.0	5.2	--
13.	1249	80513	80020	32.0	262	7.59	24.0	4.5	--
13.	1251	80513	80020	33.0	264	7.50	22.5	3.8	--
13.	1253	80513	80020	35.0	269	7.45	21.0	2.9	--
13.	1255	80513	80020	37.0	270	7.41	20.0	2.4	--
13.	1257	80513	80020	40.0	272	7.36	19.0	1.2	--
13.	1259	80513	80020	44.0	276	7.28	18.0	0.2	--
13.	1301	80513	80020	47.0	281	7.28	17.0	0.1	--
13.	1303	80513	80020	50.0	280	7.28	16.5	0.1	--
13.	1305	80513	80020	55.0	283	7.23	16.0	0.1	--
13.	1307	80513	80020	60.0	290	7.12	15.0	0.1	--
13.	1309	80513	80020	65.0	299	7.00	14.0	0.1	--
13.	1311	80513	80020	70.0	306	6.91	13.5	0.1	--
13.	1313	80513	80020	75.0	312	6.79	13.0	0.1	--

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	HARD- NESS (MG/L CAC03) (00900)	CALCIUM DIS- SOLVED AS CA (MG/L) (00915)	MAGNE- SIUM, DIS- SOLVED AS MG (MG/L) (00925)
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AUG									
13.	1230	160	--	--	--	--	--	--	--
13.	1235	--	2	0.40	0.5	<10	120	30	12
13.	1307	--	3	0.70	1.0	<10	140	39	10

WHITE RIVER BASIN--CONTINUED

07054471 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (FISH PENS)--CONTINUED
(LAT 36 25 30 LONG 092 42 00)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+N03 (MG/L AS N) (00630)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
AUG								
13.	1231	--	--	--	--	--	3.30	0.300
13.	1235	112	4.5	<0.100	0.010	<0.010	--	--
13.	1307	130	--	<0.100	0.090	0.050	--	--

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
JAN											
08...	0930	80513	80020	0.0	237	8.19	8.5	10.8	3.40	0	--
08...	0931	80513	80020	3.00	240	8.19	8.5	10.7	--	--	--
08...	0933	80513	80020	10.0	241	8.19	8.5	10.5	--	--	--
08...	0935	80513	80020	15.0	241	8.18	8.5	10.4	--	--	3
08...	0937	80513	80020	20.0	241	8.16	8.5	10.2	--	--	--
08...	0939	80513	80020	30.0	241	8.12	8.5	10.0	--	--	--
08...	0941	80513	80020	40.0	242	8.12	8.5	10.0	--	--	--
08...	0943	80513	80020	50.0	243	8.14	8.5	10.0	--	--	--
08...	0945	80513	80020	60.0	243	8.19	8.5	10.0	--	--	1
08...	0947	80513	80020	70.0	243	8.20	8.5	10.2	--	--	--
08...	0949	80513	80020	75.0	243	8.20	8.5	10.1	--	--	--

DATE	TIME	TUR- BID- ITY (FTU) (00076)	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+N03 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)
JAN										
08...	0931	--	--	--	--	--	--	--	4.10	<0.100
08...	0935	0.60	1.2	130	118	0.200	<0.010	<0.010	--	--
08...	0945	0.40	1.2	130	114	0.200	<0.010	<0.010	--	--

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MAY								
07...	1515	80513	80020	0.0	256	8.69	23.0	
07...	1516	80513	80020	3.00	257	8.70	22.5	
07...	1518	80513	80020	5.00	257	8.73	21.5	
07...	1520	80513	80020	10.0	259	8.74	20.5	
07...	1522	80513	80020	17.0	258	8.76	20.0	
07...	1524	80513	80020	19.0	259	8.71	19.5	
07...	1526	80513	80020	20.0	262	8.62	18.5	
07...	1528	80513	80020	21.0	265	8.48	17.0	
07...	1530	80513	80020	22.0	266	8.35	16.0	
07...	1532	80513	80020	24.0	263	8.32	15.0	
07...	1534	80513	80020	27.0	261	8.40	14.0	
07...	1536	80513	80020	30.0	261	8.37	13.5	
07...	1538	80513	80020	36.0	265	8.08	12.5	
07...	1540	80513	80020	40.0	264	8.03	12.0	
07...	1542	80513	80020	50.0	266	7.84	11.5	
07...	1544	80513	80020	60.0	266	7.68	10.5	
07...	1546	80513	80020	67.0	265	7.59	10.5	
07...	1548	80513	80020	70.0	266	7.58	10.0	
07...	1550	80513	80020	80.0	266	7.47	10.0	
07...	1552	80513	80020	85.0	270	7.44	10.0	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07054472 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (LOG BOOM)--CONTINUED
(LAT 36 25 30 LONG 092 42 00)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, O.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
MAY								
07...	1515	5.00	0	--	--	--	--	--
07...	1522	--	--	1	0.60	0.9	130	35
07...	1546	--	--	3	1.0	0.6	140	38
DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
MAY								
07...	1516	--	--	--	--	--	0.700	<0.100
07...	1522	10	118	0.100	0.010	<0.010	--	--
07...	1546	11	130	0.300	0.010	<0.010	--	--
DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CW) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
AUG								
13...	1320	80513	80020	0.0	240	8.44	29.5	7.7
13...	1321	80513	80020	3.00	241	8.43	29.5	7.7
13...	1323	80513	80020	10.0	241	8.38	29.0	7.7
13...	1325	80513	80020	15.0	241	8.33	29.0	7.5
13...	1327	80513	80020	20.0	241	8.29	29.0	7.2
13...	1329	80513	80020	25.0	244	8.20	29.0	6.8
13...	1331	80513	80020	27.0	251	8.02	28.0	5.4
13...	1333	80513	80020	28.0	255	7.79	26.0	5.3
13...	1335	80513	80020	29.0	258	7.71	25.5	4.7
13...	1337	80513	80020	30.0	262	7.59	24.5	4.6
13...	1339	80513	80020	32.0	264	7.64	23.5	5.7
13...	1341	80513	80020	33.0	263	7.56	22.5	5.9
13...	1343	80513	80020	34.0	265	7.71	21.5	6.1
13...	1345	80513	80020	36.0	269	7.46	20.5	3.3
13...	1347	80513	80020	38.0	270	7.40	20.0	2.6
13...	1349	80513	80020	40.0	270	7.38	19.5	2.2
13...	1351	80513	80020	44.0	271	7.36	18.5	1.6
13...	1353	80513	80020	47.0	278	7.29	17.5	0.2
13...	1355	80513	80020	50.0	279	7.28	17.0	0.1
13...	1357	80513	80020	55.0	285	7.21	16.0	0.2
13...	1359	80513	80020	60.0	288	7.14	15.0	0.2
13...	1401	80513	80020	65.0	297	7.02	14.5	0.1
13...	1403	80513	80020	70.0	303	6.91	14.0	0.1
13...	1405	80513	80020	75.0	306	6.85	13.0	0.1
DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, O.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
AUG								
13...	1320	2.50	170	--	--	--	--	--
13...	1325	--	--	1	0.30	0.5	110	26
13...	1359	--	--	2	0.20	0.5	130	35

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

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WHITE RIVER BASIN--CONTINUED

07054472 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (LOG BOOM)--CONTINUED
(LAT 36 25 30 LONG 092 42 00)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD (MG/L CAC03 (00410)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
AUG								
13...	1321	--	--	--	--	--	3.90	0.300
13...	1325	10	112	<0.100	0.010	<0.010	--	--
13...	1359	9.8	124	0.400	0.010	<0.010	--	--

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
08...	0845	80513	80020	0.0	240	8.22	8.5	10.3
08...	0846	80513	80020	3.00	241	8.22	8.5	10.2
08...	0848	80513	80020	10.0	241	8.19	8.5	10.1
08...	0850	80513	80020	20.0	241	8.20	8.5	10.0
08...	0852	80513	80020	27.0	241	8.19	8.5	9.9
08...	0854	80513	80020	30.0	241	8.19	8.5	9.8
08...	0856	80513	80020	40.0	241	8.20	8.5	9.8
08...	0858	80513	80020	50.0	242	8.19	8.5	9.8
08...	0900	80513	80020	60.0	243	8.17	8.5	9.7
08...	0902	80513	80020	70.0	243	8.18	8.5	9.7
08...	0904	80513	80020	80.0	243	8.19	8.5	9.6
08...	0906	80513	80020	90.0	243	8.16	8.5	9.6
08...	0908	80513	80020	100	243	8.16	8.5	9.6
08...	0910	80513	80020	108	243	8.18	8.5	9.6
08...	0912	80513	80020	110	243	8.19	8.5	9.6
08...	0914	80513	80020	120	243	8.17	8.5	9.6
08...	0916	80513	80020	130	243	8.20	8.5	9.8
08...	0918	80513	80020	135	243	8.20	8.5	9.8

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	HARD- NESS AS CAC03 (00900)
JAN								
08...	0845	3.60	0	--	--	--	--	--
08...	0852	--	--	3	0.60	1.1	<10	130
08...	0910	--	--	2	0.60	1.0	<10	130

DATE	TIME	ALKA- LITY WH WAT TOTAL FIELD (MG/L CAC03 (00410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+N03 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)
JAN								
08...	0846	--	--	--	--	--	3.40	<0.100
08...	0852	120	4.4	0.200	<0.010	<0.010	--	--
08...	0910	112	4.3	0.200	<0.010	<0.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (MOUTH)--CONTINUED
(LAT 36 25 30 LONG 092 42 00)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
MAY									
07.	1615	80513	80020	0.0	257	8.68	23.0	10.3	5.20
07.	1616	80513	80020	3.00	256	8.70	21.5	10.8	--
07.	1618	80513	80020	10.0	256	8.68	20.5	11.0	--
07.	1620	80513	80020	18.0	259	8.71	19.5	11.4	--
07.	1622	80513	80020	20.0	260	8.68	19.0	11.5	--
07.	1624	80513	80020	22.0	262	8.61	18.0	10.8	--
07.	1626	80513	80020	23.0	262	8.45	16.0	10.9	--
07.	1628	80513	80020	24.0	262	8.52	15.0	10.9	--
07.	1630	80513	80020	26.0	261	8.42	14.0	10.5	--
07.	1632	80513	80020	28.0	260	8.40	14.0	10.4	--
07.	1634	80513	80020	30.0	261	8.38	13.5	10.2	--
07.	1636	80513	80020	35.0	262	8.30	12.5	10.0	--
07.	1638	80513	80020	40.0	262	8.23	12.0	9.8	--
07.	1640	80513	80020	50.0	261	8.10	11.0	9.2	--
07.	1642	80513	80020	60.0	264	8.00	10.5	9.0	--
07.	1644	80513	80020	70.0	265	7.99	10.0	8.9	--
07.	1646	80513	80020	80.0	262	7.95	9.5	8.7	--
07.	1648	80513	80020	90.0	262	7.94	9.5	8.6	--
07.	1650	80513	80020	100	265	7.88	9.0	8.2	--
07.	1652	80513	80020	110	265	7.79	8.5	7.4	--
07.	1654	80513	80020	112	267	7.77	8.5	7.0	--
07.	1656	80513	80020	120	268	7.75	8.0	6.8	--
07.	1658	80513	80020	130	269	7.73	8.0	6.7	--
07.	1700	80513	80020	140	272	7.73	8.0	6.6	--

DATE	TIME	COLI- FORM, FECAL, O.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
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MAY									
07.	1615	0	--	--	--	--	--	--	--
07.	1632	--	3	0.50	1.2	20	140	38	11
07.	1654	--	2	0.50	0.3	<10	140	38	11

DATE	TIME	ALKA- LINITY WH WAT TOTAL 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								
07.	1616	--	--	--	--	--	0.500	<0.100
07.	1632	126	4.6	0.200	0.010	<0.010	--	--
07.	1654	120	4.3	0.300	0.010	<0.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

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WHITE RIVER BASIN--CONTINUED

07054474 BULL SHOALS LAKE BELOW BIG MUSIC CREEK NEAR MIDWAY, ARK. (MOUTH)--CONTINUED
(LAT 36 25 30 LONG 092 42 00)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
AUG									
13.	1415	80513	80020	0.0	240	8.15	29.5	7.7	3.90
13.	1416	80513	80020	3.00	240	8.17	29.5	7.6	--
13.	1418	80513	80020	10.0	241	8.14	29.5	7.6	--
13.	1420	80513	80020	20.0	241	8.16	29.5	7.6	--
13.	1422	80513	80020	25.0	242	8.16	29.0	7.6	--
13.	1424	80513	80020	26.0	251	8.00	27.5	7.5	--
13.	1426	80513	80020	28.0	256	7.90	26.5	7.0	--
13.	1428	80513	80020	30.0	261	7.82	25.5	6.4	--
13.	1430	80513	80020	31.0	262	7.77	25.0	6.2	--
13.	1432	80513	80020	32.0	264	7.65	24.0	5.5	--
13.	1434	80513	80020	33.0	268	7.65	23.5	4.8	--
13.	1436	80513	80020	35.0	270	7.49	22.5	4.2	--
13.	1438	80513	80020	37.0	269	7.48	21.5	4.2	--
13.	1440	80513	80020	38.0	270	7.42	20.5	3.5	--
13.	1442	80513	80020	40.0	270	7.34	20.0	2.6	--
13.	1444	80513	80020	43.0	269	7.37	19.0	3.6	--
13.	1446	80513	80020	47.0	270	7.31	18.0	2.6	--
13.	1448	80513	80020	50.0	270	7.31	17.0	3.0	--
13.	1450	80513	80020	55.0	270	7.31	16.0	3.2	--
13.	1452	80513	80020	60.0	271	7.31	15.5	3.3	--
13.	1454	80513	80020	64.0	273	7.29	14.5	2.1	--
13.	1456	80513	80020	68.0	276	7.28	14.0	1.5	--
13.	1458	80513	80020	70.0	271	7.29	13.5	2.4	--
13.	1500	80513	80020	75.0	273	7.30	13.0	2.4	--
13.	1502	80513	80020	80.0	273	7.32	12.5	3.2	--
13.	1504	80513	80020	90.0	273	7.31	11.5	2.4	--
13.	1506	80513	80020	100	275	7.28	11.0	1.2	--
13.	1508	80513	80020	104	278	7.26	10.5	0.7	--
13.	1510	80513	80020	110	278	7.25	10.5	0.3	--
13.	1512	80513	80020	120	278	7.24	10.0	0.2	--
13.	1514	80513	80020	130	283	7.24	10.0	0.1	--
13.	1516	80513	80020	135	285	7.25	9.5	0.1	--

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
AUG									
13.	1415	13	--	--	--	--	--	--	--
13.	1424	--	1	0.20	0.6	<10	110	27	11
13.	1508	--	2	0.50	1.2	<10	130	37	9.5

DATE	TIME	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
AUG								
13.	1416	--	--	--	--	--	0.900	<0.100
13.	1424	110	4.7	<0.100	0.010	<0.010	--	--
13.	1508	128	5.4	<0.100	0.030	<0.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07054478 BULL SHOALS LAKE AT HIGHWAY 160 NEAR THEODOSIA, MO.
(LAT 36 34 40 LONG 092 38 47)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
06...	1620	80513	80020	0.0	--	--	--	--
06...	1621	80513	80020	3.00	--	--	--	--
06...	1625	80513	80020	11.0	269	8.37	7.0	12.5
MAY								
05...	1500	80513	80020	0.0	--	--	--	--
05...	1501	80513	80020	3.00	--	--	--	--
05...	1505	80513	80020	12.0	343	8.58	21.5	10.8
AUG								
11...	1500	80513	80020	0.0	--	--	--	--
11...	1501	80513	80020	3.00	--	--	--	--
11...	1505	80513	80020	12.0	295	8.31	30.5	6.6
DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
06...	1620	1.60	6	--	--	--	--	--
06...	1625	--	--	4	1.0	2.5	140	--
MAY								
05...	1500	0.94	0	--	--	--	--	--
05...	1505	--	--	--	--	2.6	--	--
AUG								
11...	1500	1.60	2	--	--	--	--	--
11...	1505	--	--	2	2.1	0.9	150	30
DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN								
06...	1621	--	--	--	--	--	20.0	0.100
06...	1625	--	140	0.100	0.010	<0.010	--	--
MAY								
05...	1501	--	--	--	--	--	8.40	0.100
05...	1505	--	178	--	--	--	--	--
AUG								
11...	1501	--	--	--	--	--	8.50	1.40
11...	1505	18	148	<0.100	0.030	<0.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

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WHITE RIVER BASIN--CONTINUED

07054486 BULL SHOALS LAKE ABOVE PINE BRANCH AT INDIAN POINT, ARK.
(LAT 36 28 30 LONG 092 37 44)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
08...	1200	80513	80020	0.0	--	--	--	--
08...	1201	80513	80020	3.00	--	--	--	--
08...	1205	80513	80020	28.0	251	7.91	8.5	10.2
08...	1210	80513	80020	112	267	7.98	8.0	9.8
MAY								
07...	1715	80513	80020	0.0	--	--	--	--
07...	1716	80513	80020	3.00	--	--	--	--
07...	1720	80513	80020	30.0	262	8.60	14.5	11.6
07...	1725	80513	80020	120	275	7.74	8.5	7.6
AUG								
13...	1530	80513	80020	0.0	--	--	--	--
13...	1531	80513	80020	3.00	--	--	--	--
13...	1535	80513	80020	29.0	255	8.39	25.5	10.8
13...	1540	80513	80020	116	298	7.42	10.5	1.0
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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
08...	1200	33.4	0	--	--	--	--	--
08...	1205	--	--	1	0.50	1.0	130	--
08...	1210	--	--	2	0.50	0.9	140	--
MAY								
07...	1715	4.30	0	--	--	--	--	--
07...	1720	--	--	2	1.0	1.0	140	38
07...	1725	--	--	4	0.80	0.3	140	38
AUG								
13...	1530	5.30	3	--	--	--	--	--
13...	1535	--	--	2	0.20	0.3	120	30
13...	1540	--	--	1	0.30	0.2	150	38
DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN								
08...	1201	--	--	--	--	--	2.00	<0.100
08...	1205	--	116	0.200	<0.010	<0.010	--	--
08...	1210	--	128	0.200	<0.010	<0.010	--	--
MAY								
07...	1716	--	--	--	--	--	1.00	<0.100
07...	1720	11	130	0.200	0.010	<0.010	--	--
07...	1725	12	132	0.300	0.010	<0.010	--	--
AUG								
13...	1531	--	--	--	--	--	0.500	<0.100
13...	1535	12	112	<0.100	0.010	<0.010	--	--
13...	1540	14	142	0.300	0.010	<0.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07054496 BULL SHOALS LAKE AT JIMMIE CREEK NEAR BULL SHOALS, ARK.
(LAT 36 23 00 LONG 092 36 58)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
08...	1400	80513	80020	0.0	--	--	--	--
08...	1401	80513	80020	3.00	--	--	--	--
08...	1405	80513	80020	26.0	249	8.02	8.5	10.1
08...	1410	80513	80020	104	249	8.04	8.5	10.0
MAY								
07...	1815	80513	80020	0.0	--	--	--	--
07...	1816	80513	80020	3.00	--	--	--	--
07...	1820	80513	80020	24.0	256	8.75	15.5	12.9
07...	1825	80513	80020	96.0	257	8.00	9.5	8.7
AUG								
14...	0730	80513	80020	0.0	--	--	--	--
14...	0731	80513	80020	3.00	--	--	--	--
14...	0735	80513	80020	24.0	242	8.60	24.5	14.4
14...	0740	80513	80020	96.0	278	7.70	11.5	1.7

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
08...	1400	4.50	0	--	--	--	--	--
08...	1405	--	--	1	0.30	1.2	130	--
08...	1410	--	--	2	0.40	1.1	130	--
MAY								
07...	1815	3.70	0	--	--	--	--	--
07...	1820	--	--	1	0.80	1.7	130	37
07...	1825	--	--	1	0.30	0.4	130	36
AUG								
14...	0730	4.20	1	--	--	--	--	--
14...	0735	--	--	1	0.30	0.4	110	30
14...	0740	--	--	2	0.20	0.3	120	34

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINIT 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)
JAN								
08...	1401	--	--	--	--	--	2.90	<0.100
08...	1405	--	124	0.200	<0.010	<0.010	--	--
08...	1410	--	122	0.200	<0.010	<0.010	--	--
MAY								
07...	1816	--	--	--	--	--	1.10	<0.100
07...	1820	10	126	0.100	0.010	<0.010	--	--
07...	1825	10	126	0.200	0.010	<0.010	--	--
AUG								
14...	0731	--	--	--	--	--	0.600	<0.100
14...	0735	9.4	110	<0.100	0.010	<0.010	--	--
14...	0740	9.6	128	0.300	0.010	<0.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

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WHITE RIVER BASIN--CONTINUED

07054499 BULL SHOALS LAKE ON HOWARD CREEK NEAR LAKEVIEW, ARK.
(LAT 36 23 32 LONG 092 32 10)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CW) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
08...	1430	80513	80020	0.0	--	--	--	--
08...	1431	80513	80020	3.00	--	--	--	--
08...	1435	80513	80020	29.0	252	7.89	9.0	9.1
08...	1440	80513	80020	116	253	7.98	9.0	9.6
MAY								
07...	1840	80513	80020	0.0	--	--	--	--
07...	1841	80513	80020	3.00	--	--	--	--
07...	1845	80513	80020	30.0	256	8.57	14.5	11.8
07...	1850	80513	80020	120	256	7.77	8.5	7.3
AUG								
14...	0800	80513	80020	0.0	--	--	--	--
14...	0801	80513	80020	3.00	--	--	--	--
14...	0805	80513	80020	29.0	241	8.60	23.0	15.4
14...	0810	80513	80020	116	272	7.70	11.0	2.0
DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (W) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
08...	1430	5.00	0	--	--	--	--	--
08...	1435	--	--	1	0.30	1.2	140	--
08...	1440	--	--	1	0.40	1.2	130	--
MAY								
07...	1840	3.40	0	--	--	--	--	--
07...	1845	--	--	1	1.0	1.2	140	37
07...	1850	--	--	1	0.50	0.4	140	37
AUG								
14...	0800	4.90	1	--	--	--	--	--
14...	0805	--	--	2	0.30	0.5	100	26
14...	0810	--	--	1	0.40	0.2	130	34
DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN								
08...	1431	--	--	--	--	--	1.40	<0.100
08...	1435	--	124	0.200	<0.010	<0.010	--	--
08...	1440	--	118	0.200	<0.010	<0.010	--	--
MAY								
07...	1841	--	--	--	--	--	1.30	<0.100
07...	1845	11	124	0.100	0.010	<0.010	--	--
07...	1850	11	118	0.300	0.010	<0.010	--	--
AUG								
14...	0801	--	--	--	--	--	0.600	<0.100
14...	0805	9.4	96	<0.100	0.010	<0.010	--	--
14...	0810	11	136	0.300	0.020	<0.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07058500 NORTH FORK RIVER AT TECUMSEH, MO.
(LAT 36 35 12 LONG 092 17 18)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
06...	1440	80513	80020	0.0	--	--	--	--
06...	1441	80513	80020	2.00	390	7.99	9.0	13.6
06...	1445	80513	80020	3.00	--	--	--	--
06...	1450	80513	80020	8.00	389	8.24	8.5	13.4
MAY								
05...	1300	80513	80020	0.0	--	--	--	--
05...	1305	80513	80020	2.00	362	8.25	19.0	11.4
05...	1306	80513	80020	3.00	--	--	--	--
05...	1310	80513	80020	8.00	361	8.22	19.0	10.7
AUG								
11...	1400	80513	80020	0.0	--	--	--	--
11...	1405	80513	80020	2.00	390	7.97	25.0	9.3
11...	1406	80513	80020	3.00	--	--	--	--
11...	1410	80513	80020	8.00	392	8.06	24.5	8.6
DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
06...	1440	3.00	1	--	--	--	--	--
06...	1441	--	--	1	0.20	0.6	220	--
06...	1450	--	--	2	0.20	3.6	220	--
MAY								
05...	1300	1.80	8	--	--	--	--	--
05...	1305	--	--	1	1.0	1.6	200	41
05...	1310	--	--	2	0.60	1.8	200	41
AUG								
11...	1400	1.60	7	--	--	--	--	--
11...	1405	--	--	2	1.0	0.2	210	42
11...	1410	--	--	1	1.5	5.8	210	42
DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	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)
JAN								
06...	1441	--	210	0.500	<0.010	<0.010	--	--
06...	1445	--	--	--	--	--	0.700	<0.100
06...	1450	--	214	0.500	<0.010	<0.010	--	--
MAY								
05...	1305	24	186	0.500	0.010	0.010	--	--
05...	1306	--	--	--	--	--	1.20	<0.100
05...	1310	24	184	0.500	0.010	0.010	--	--
AUG								
11...	1405	26	208	0.300	0.010	<0.010	--	--
11...	1406	--	--	--	--	--	0.500	<0.100
11...	1410	25	208	0.300	0.020	<0.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

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WHITE RIVER BASIN--CONTINUED

07058600 NORFORK LAKE NEAR UDALL, MO.
(LAT 36 32 53 LONG 092 16 55)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
06...	1500	80513	80020	0.0	--	--	--	--
06...	1501	80513	80020	3.00	--	--	--	--
06...	1505	80513	80020	4.00	398	8.10	7.5	13.0
MAY								
05...	1245	80513	80020	0.0	--	--	--	--
05...	1246	80513	80020	3.00	--	--	--	--
05...	1250	80513	80020	7.00	411	8.02	19.0	7.8
AUG								
11...	1240	80513	80020	0.0	--	--	--	--
11...	1241	80513	80020	3.00	--	--	--	--
11...	1245	80513	80020	5.00	341	8.35	30.5	8.5
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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
06...	1500	2.20	6	--	--	--	--	--
06...	1505	--	--	2	0.60	0.9	230	--
MAY								
05...	1245	1.30	3	--	--	--	--	--
05...	1250	--	--	3	1.1	3.2	190	40
AUG								
11...	1240	1.20	0	--	--	--	--	--
11...	1245	--	--	2	0.80	0.2	180	31
DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN								
06...	1501	--	--	--	--	--	0.300	<0.100
06...	1505	--	218	0.400	<0.010	<0.010	--	--
MAY								
05...	1246	--	--	--	--	--	1.20	<0.100
05...	1250	21	250	0.200	0.020	0.010	--	--
AUG								
11...	1241	--	--	--	--	--	13.0	1.30
11...	1245	25	180	<0.100	0.030	<0.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07058700 NORFORK LAKE ON PIGEON CREEK NEAR MOUNTAIN HOME, ARK.
(LAT 36 24 07 LONG 092 19 15)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
07...	0915	80513	80020	0.0	--	--	--	--
07...	0916	80513	80020	3.00	--	--	--	--
07...	0920	80513	80020	12.0	330	7.75	7.0	12.7
07...	0925	80513	80020	48.0	333	7.92	7.0	11.8
MAY								
06...	0815	80513	80020	0.0	--	--	--	--
06...	0816	80513	80020	3.00	--	--	--	--
06...	0820	80513	80020	12.0	338	8.69	21.0	10.0
06...	0825	80513	80020	48.0	359	7.83	10.5	5.5
AUG								
12...	0930	80513	80020	0.0	--	--	--	--
12...	0931	80513	80020	3.00	--	--	--	--
12...	0935	80513	80020	10.0	313	8.39	30.5	7.5
12...	0940	80513	80020	40.0	382	7.26	20.5	0.2
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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
07...	0915	1.90	0	--	--	--	--	--
07...	0920	--	--	3	0.90	1.5	180	--
07...	0925	--	--	1	0.80	1.2	180	--
MAY								
06...	0815	2.10	0	--	--	--	--	--
06...	0820	--	--	3	0.50	0.9	190	38
06...	0825	--	--	3	1.3	0.6	190	40
AUG								
12...	0930	2.80	1	--	--	--	--	--
12...	0935	--	--	1	0.40	0.2	180	31
12...	0940	--	--	8	2.1	0.7	170	32
DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN								
07...	0916	--	--	--	--	--	2.50	<0.100
07...	0920	--	178	<0.100	<0.010	<0.010	--	--
07...	0925	--	176	<0.100	<0.010	<0.010	--	--
MAY								
06...	0816	--	--	--	--	--	3.80	<0.100
06...	0820	22	172	0.300	0.010	<0.010	--	--
06...	0825	23	180	0.300	0.010	<0.010	--	--
AUG								
12...	0931	--	--	--	--	--	3.00	0.200
12...	0935	26	160	<0.100	0.020	<0.010	--	--
12...	0940	23	186	<0.100	0.030	<0.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

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WHITE RIVER BASIN--CONTINUED

07058995 NORFORK LAKE AT HENDERSON, ARK.
(LAT 36 22 30 LONG 092 14 37)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
07...	0750	80513	80020	0.0	--	--	--	--
07...	0751	80513	80020	3.00	--	--	--	--
07...	0755	80513	80020	25.0	333	8.45	8.5	10.8
07...	0800	80513	80020	100	335	8.42	8.0	10.6
MAY								
06...	1100	80513	80020	0.0	--	--	--	--
06...	1101	80513	80020	3.00	--	--	--	--
06...	1105	80513	80020	22.0	336	8.58	16.5	11.6
06...	1110	80513	80020	88.0	344	8.01	9.5	7.8
AUG								
11...	0845	80513	80020	0.0	--	--	--	--
11...	0846	80513	80020	3.00	--	--	--	--
11...	0850	80513	80020	24.0	315	8.24	30.0	7.7
11...	0855	80513	80020	96.0	367	7.37	10.5	0.3

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
07...	0750	2.10	0	--	--	--	--	--
07...	0755	--	--	1	0.80	1.4	180	--
07...	0800	--	--	2	1.5	1.2	180	--
MAY								
06...	1100	2.80	0	--	--	--	--	--
06...	1105	--	--	2	0.60	0.8	190	38
06...	1110	--	--	3	0.50	0.3	190	39
AUG								
11...	0845	4.40	0	--	--	--	--	--
11...	0850	--	--	2	0.30	0.4	170	30
11...	0855	--	--	6	0.80	0.6	190	38

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN								
07...	0751	--	--	--	--	--	4.80	<0.100
07...	0755	--	176	0.100	<0.010	<0.010	--	--
07...	0800	--	178	<0.100	<0.010	<0.010	--	--
MAY								
06...	1101	--	--	--	--	--	1.50	<0.100
06...	1105	23	172	0.200	0.010	<0.010	--	--
06...	1110	23	182	0.200	<0.010	<0.010	--	--
AUG								
11...	0846	--	--	--	--	--	0.700	<0.100
11...	0850	24	160	<0.100	0.030	<0.010	--	--
11...	0855	23	188	0.300	0.040	<0.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07059095 NORFORK LAKE ON FALL CREEK, ARK.
(LAT 36 20 07 LONG 092 17 04)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
07...	0825	80513	80020	0.0	--	--	--	--
07...	0826	80513	80020	3.00	--	--	--	--
07...	0830	80513	80020	10.0	330	7.91	8.0	12.0
MAY								
06...	1000	80513	80020	0.0	--	--	--	--
06...	1001	80513	80020	3.00	--	--	--	--
06...	1005	80513	80020	10.0	338	8.64	21.0	10.1
AUG								
12...	1000	80513	80020	0.0	--	--	--	--
12...	1001	80513	80020	3.00	--	--	--	--
12...	1005	80513	80020	8.00	313	8.35	31.0	7.5
DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS AS CAC03 (00900)	CALCIUM DIS- SOLVED AS CA (00915)
JAN								
07...	0825	2.90	0	--	--	--	--	--
07...	0830	--	--	2	0.60	1.7	180	--
MAY								
06...	1000	1.80	15	--	--	--	--	--
06...	1005	--	--	5	1.6	1.0	190	37
AUG								
12...	1000	2.50	0	--	--	--	--	--
12...	1005	--	--	2	0.60	0.6	160	27
DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN								
07...	0826	--	--	--	--	--	2.40	<0.100
07...	0830	--	178	0.100	<0.010	<0.010	--	--
MAY								
06...	1001	--	--	--	--	--	3.10	<0.100
06...	1005	23	174	0.100	0.010	<0.010	--	--
AUG								
12...	1001	--	--	--	--	--	3.00	0.300
12...	1005	22	154	<0.100	0.030	<0.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

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WHITE RIVER BASIN--CONTINUED

07059495 NORFORK LAKE NEAR HAND, ARK.
(LAT 36 16 27 LONG 092 12 30)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
07...	1100	80513	80020	0.0	--	--	--	--
07...	1101	80513	80020	3.00	--	--	--	--
07...	1105	80513	80020	27.0	317	7.47	8.5	10.5
07...	1110	80513	80020	108	315	7.85	8.0	10.4
MAY								
06...	1230	80513	80020	0.0	--	--	--	--
06...	1231	80513	80020	3.00	--	--	--	--
06...	1235	80513	80020	28.0	330	8.55	14.5	11.4
06...	1240	80513	80020	112	330	8.03	9.0	7.6
AUG								
12...	1140	80513	80020	0.0	--	--	--	--
12...	1145	80513	80020	3.00	--	--	--	--
12...	1150	80513	80020	29.0	332	8.24	26.5	11.7
12...	1155	80513	80020	116	340	7.54	10.0	2.3
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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
07...	1100	2.50	1	--	--	--	--	--
07...	1105	--	--	3	0.70	0.9	170	--
07...	1110	--	--	1	1.0	0.9	170	--
MAY								
06...	1230	2.40	0	--	--	--	--	--
06...	1235	--	--	2	0.50	0.7	180	36
06...	1240	--	--	1	0.50	0.3	180	37
AUG								
12...	1140	5.20	4	--	--	--	--	--
12...	1150	--	--	2	0.30	0.2	160	28
12...	1155	--	--	2	0.60	0.2	170	33
DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN								
07...	1101	--	--	--	--	--	2.30	<0.100
07...	1105	--	170	0.100	<0.010	<0.010	--	--
07...	1110	--	168	<0.100	<0.010	<0.010	--	--
MAY								
06...	1231	--	--	--	--	--	2.00	<0.100
06...	1235	22	176	<0.100	0.010	<0.010	--	--
06...	1240	22	176	0.200	0.010	<0.010	--	--
AUG								
12...	1145	--	--	--	--	--	0.800	<0.100
12...	1150	22	156	<0.100	0.010	<0.010	--	--
12...	1155	22	178	0.200	0.010	<0.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07061600 BLACK RIVER BELOW ANNAPOLIS, MO.
(LAT 37 19 30 LONG 090 45 50)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
05...	1430	80513	80020	0.0	--	--	--	--
05...	1435	80513	80020	2.00	261	8.07	6.5	13.6
MAY								
05...	0800	80513	80020	0.0	--	--	--	--
05...	0805	80513	80020	1.00	240	8.22	15.5	9.6
AUG								
11...	0830	80513	80020	0.0	--	--	--	--
11...	0835	80513	80020	1.00	296	7.85	24.0	7.1

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, O.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
05...	1430	1.20	1	--	--	--	--	--
05...	1435	--	--	1	0.10	0.5	140	--
MAY								
05...	0800	>0.61	9	--	--	--	--	--
05...	0805	--	--	1	0.80	1.6	120	25
AUG								
11...	0830	>61.0	11	--	--	--	--	--
11...	0835	--	--	1	0.30	1.3	150	31

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	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)
JAN								
05...	1435	--	126	0.100	<0.010	<0.010	0.100	<0.100
MAY								
05...	0805	15	114	<0.100	0.010	0.010	0.300	<0.100
AUG								
11...	0835	18	130	0.100	0.030	<0.010	0.200	<0.100

07061700 CLEARWATER LAKE ABOVE FINLEY BRANCH, MO.
(LAT 37 12 30 LONG 090 46 43)

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
06...	1000	80513	80020	0.0	--	--	--	--
06...	1001	80513	80020	3.00	--	--	--	--
06...	1005	80513	80020	4.00	257	8.14	5.0	12.2
MAY								
04...	1540	80513	80020	0.0	--	--	--	--
04...	1541	80513	80020	3.00	--	--	--	--
04...	1545	80513	80020	4.00	232	7.91	18.5	8.8
AUG								
10...	1545	80513	80020	0.0	--	--	--	--
10...	1546	80513	80020	3.00	--	--	--	--
10...	1550	80513	80020	6.00	277	7.97	30.5	8.0

WHITE RIVER BASIN--CONTINUED

07061700 CLEARWATER LAKE ABOVE FINLEY BRANCH, MO.--CONTINUED
(LAT 37 12 30 LONG 090 46 43)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
06...	1000	2.40	3	--	--	--	--	--
06...	1005	--	--	1	0.20	0.7	140	--
MAY								
04...	1540	0.98	5	--	--	--	--	--
04...	1545	--	--	3	3.5	1.8	120	25
AUG								
10...	1545	0.64	1	--	--	--	--	--
10...	1550	--	--	1	2.5	0.7	140	29

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN								
06...	1001	--	--	--	--	--	0.400	<0.100
06...	1005	--	118	0.100	<0.010	<0.010	--	--
MAY								
04...	1541	--	--	--	--	--	1.30	0.100
04...	1545	14	102	0.100	0.010	0.010	--	--
AUG								
10...	1546	--	--	--	--	--	9.50	1.10
10...	1550	17	132	<0.100	0.020	<0.010	--	--

07061950 CLEARWATER LAKE AT CARTER HOLLOW, MO.
(LAT 37 09 58 LONG 090 48 43)

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
06...	1030	80513	80020	0.0	--	--	--	--
06...	1035	80513	80020	2.00	269	8.05	5.0	12.4
MAY								
04...	1615	80513	80020	0.0	--	--	--	--
04...	1620	80513	80020	3.00	244	7.92	19.5	9.2
AUG								
10...	1600	80513	80020	0.0	--	--	--	--
10...	1605	80513	80020	3.00	280	7.59	25.0	9.1

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
06...	1030	1.20	1	--	--	--	--	--
06...	1035	--	--	4	5.4	2.4	150	--
MAY								
04...	1615	0.30	7	--	--	--	--	--
04...	1620	--	--	7	6.0	2.5	130	26
AUG								
10...	1600	0.64	13	--	--	--	--	--
10...	1605	--	--	2	2.2	1.4	130	26

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07061950 CLEARWATER LAKE AT CARTER HOLLOW, MO.--CONTINUED
(LAT 37 09 58 LONG 090 48 43)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN 06...	1035	--	146	0.200	0.260	<0.010	190	53.0
MAY 04...	1620	15	124	0.200	0.020	0.010	4.80	0.700
AUG 10...	1605	15	130	<0.100	0.040	<0.010	9.10	1.20

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN 06...	1050	80513	80020	30.0	--	--	--	--
06...	1055	80513	80020	2.00	266	8.28	3.5	14.1
MAY 04...	1630	80513	80020	0.0	--	--	--	--
04...	1635	80513	80020	2.00	228	7.99	21.5	8.7
AUG 10...	1615	80513	80020	0.0	--	--	--	--
10...	1620	80513	80020	3.00	260	8.32	32.5	8.0

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN 06...	1050	1.20	0	--	--	--	--	--
06...	1055	--	--	4	0.90	1.3	150	--
MAY 04...	1630	0.30	3	--	--	--	--	--
04...	1635	--	--	14	15	2.9	120	24
AUG 10...	1615	0.91	0	--	--	--	--	--
10...	1620	--	--	3	3.5	1.3	140	28

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN 06...	1055	--	146	0.100	<0.010	<0.010	1.80	<0.100
MAY 04...	1635	14	104	<0.100	0.030	0.010	10.0	1.40
AUG 10...	1620	16	124	<0.100	0.040	<0.010	7.40	0.900

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

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WHITE RIVER BASIN--CONTINUED

07075025 GREERS FERRY LAKE AT BRUSH CREEK, ARK.
(LAT 35 37 15 LONG 092 11 16)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
21...	1315	80513	80020	0.0	--	--	--	--
21...	1316	80513	80020	3.00	--	--	--	--
21...	1320	80513	80020	12.0	46	7.08	6.5	12.4
21...	1325	80513	80020	46.0	52	7.04	6.0	11.6
MAY								
19...	1200	80513	80020	0.0	--	--	--	--
19...	1201	80513	80020	3.00	--	--	--	--
19...	1205	80513	80020	9.00	59	7.56	25.5	8.7
19...	1210	80513	80020	36.0	61	6.82	13.0	3.2
AUG								
25...	1130	80513	80020	0.0	--	--	--	--
25...	1131	80513	80020	3.00	--	--	--	--
25...	1135	80513	80020	8.00	53	7.18	28.5	6.8
25...	1140	80513	80020	32.0	79	6.39	21.5	0.3
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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
21...	1315	2.30	1	--	--	--	--	--
21...	1320	--	--	4	1.2	1.0	17	--
21...	1325	--	--	9	6.0	0.5	20	--
MAY								
19...	1200	3.80	0	--	--	--	--	--
19...	1205	--	--	2	1.3	0.7	22	7.1
19...	1210	--	--	9	1.9	1.4	22	7.1
AUG								
25...	1130	2.70	0	--	--	--	--	--
25...	1135	--	--	2	0.90	1.5	23	7.4
25...	1140	--	--	27	3.3	0.9	36	12
DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN								
21...	1320	--	17	<0.100	0.010	<0.010	--	--
21...	1325	--	19	<0.100	0.010	<0.010	--	--
MAY								
19...	1201	--	--	--	--	--	0.600	<0.100
19...	1205	1.1	21	<0.100	0.010	<0.010	--	--
19...	1210	1.1	21	<0.100	0.020	<0.010	--	--
AUG								
25...	1131	--	--	--	--	--	5.50	0.500
25...	1135	1.1	19	<0.100	0.020	<0.010	--	--
25...	1140	1.4	31	<0.100	0.010	<0.010	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07075215 GREERS FERRY LAKE ABOVE HILL CREEK, ARK.
(LAT 35 36 24 LONG 092 30 14)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
21...	1230	80513	80020	0.0	--	--	--	--
21...	1231	80513	80020	3.00	--	--	--	--
21...	1235	80513	80020	15.0	43	6.95	6.5	11.5
21...	1240	80513	80020	58.0	46	6.90	6.0	12.3
MAY								
19...	1140	80513	80020	0.0	--	--	--	--
19...	1141	80513	80020	3.00	--	--	--	--
19...	1145	80513	80020	15.0	43	8.12	22.5	9.7
19...	1150	80513	80020	60.0	48	6.73	10.5	4.1
AUG								
25...	1150	80513	80020	0.0	--	--	--	--
25...	1151	80513	80020	3.00	--	--	--	--
25...	1155	80513	80020	15.0	44	7.06	28.5	7.1
25...	1200	80513	80020	60.0	66	6.36	12.0	0.3

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (W) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
21...	1230	2.10	1	--	--	--	--	--
21...	1235	--	--	3	1.1	1.1	16	--
21...	1240	--	--	3	0.90	0.8	17	--
MAY								
19...	1140	3.80	0	--	--	--	--	--
19...	1145	--	--	7	1.4	1.2	16	4.9
19...	1150	--	--	13	6.0	0.8	18	5.4
AUG								
25...	1150	3.50	2	--	--	--	--	--
25...	1155	--	--	2	0.40	0.6	16	4.6
25...	1200	--	--	37	14	0.6	22	6.7

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN								
21...	1231	--	--	--	--	--	1.30	<0.100
21...	1235	--	16	<0.100	0.010	<0.010	--	--
21...	1240	--	16	0.100	0.010	<0.010	--	--
MAY								
19...	1141	--	--	--	--	--	0.500	<0.100
19...	1145	1.0	15	<0.100	0.010	<0.010	--	--
19...	1150	1.0	15	0.300	0.020	<0.010	--	--
AUG								
25...	1151	--	--	--	--	--	1.60	0.200
25...	1155	1.0	15	<0.100	0.050	<0.010	--	--
25...	1200	1.2	24	<0.100	0.090	<0.010	--	--

WHITE RIVER BASIN--CONTINUED

07075490 GREERS FERRY LAKE NEAR CLINTON, ARK.
(LAT 35 35 06 LONG 092 25 32)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
21...	0945	80513	80020	0.0	--	--	--	--
21...	0946	80513	80020	3.00	--	--	--	--
21...	0950	80513	80020	8.00	28	6.24	3.5	13.6
MAY								
19...	0930	80513	80020	0.0	--	--	--	--
19...	0931	80513	80020	3.00	--	--	--	--
19...	0935	80513	80020	12.0	48	6.70	24.5	1.7
AUG								
25...	0900	80513	80020	0.0	--	--	--	--
25...	0901	80513	80020	3.00	--	--	--	--
25...	0905	80513	80020	11.0	46	6.78	27.5	4.4

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
21...	0945	2.00	7	--	--	--	--	--
21...	0950	--	--	13	5.5	0.7	8	--
MAY								
19...	0930	1.40	3	--	--	--	--	--
19...	0935	--	--	8	2.1	1.6	13	3.5
AUG								
25...	0900	0.79	9	--	--	--	--	--
25...	0905	--	--	8	3.1	1.2	15	4.0

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY 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)
JAN								
21...	0946	--	--	--	--	--	0.400	<0.100
21...	0950	--	10	0.100	0.010	<0.010	--	--
MAY								
19...	0931	--	--	--	--	--	11.0	1.30
19...	0935	1.1	12	<0.100	0.020	<0.010	--	--
AUG								
25...	0901	--	--	--	--	--	20.0	1.10
25...	0905	1.2	14	<0.100	--	<0.010	--	--

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
21...	1015	80513	80020	0.0	--	--	--	--
21...	1016	80513	80020	3.00	--	--	--	--
21...	1020	80513	80020	6.00	28	6.44	4.5	13.0
MAY								
19...	1000	80513	80020	0.0	--	--	--	--
19...	1005	80513	80020	3.00	32	6.57	26.0	7.7
AUG								
25...	0920	80513	80020	0.0	--	--	--	--
25...	0925	80513	80020	3.00	35	6.98	26.0	7.1

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07075602 GREERS FERRY LAKE NEAR CHOCTAW, ARK.--CONTINUED
(LAT 35 31 27 LONG 092 25 04)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
21...	1015	1.00	2	--	--	--	--	--
21...	1020	--	--	25	9.1	0.9	8	--
MAY								
19...	1000	1.10	2	--	--	--	--	--
19...	1005	--	--	5	3.4	1.7	11	2.8
AUG								
25...	0920	0.58	2	--	--	--	--	--
25...	0925	--	--	2	4.8	1.6	13	3.4

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS, ORTHO, 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)
JAN								
21...	1016	--	--	--	--	--	1.10	<0.100
21...	1020	--	7	0.200	0.020	<0.010	--	--
MAY								
19...	1005	1.0	10	<0.100	0.020	<0.010	5.10	0.500
AUG								
25...	0925	1.1	12	<0.100	0.040	<0.010	13.0	1.00

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 ANALYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
21...	1145	80513	80020	0.0	--	--	--	--
21...	1146	80513	80020	3.00	--	--	--	--
21...	1150	80513	80020	21.0	41	6.66	7.0	11.8
21...	1155	80513	80020	84.0	41	6.73	7.0	11.1
MAY								
19...	1115	80513	80020	0.0	--	--	--	--
19...	1116	80513	80020	3.00	--	--	--	--
19...	1120	80513	80020	26.0	40	6.89	14.0	9.0
19...	1125	80513	80020	104	45	6.42	9.0	7.1
AUG								
25...	1030	80513	80020	0.0	--	--	--	--
25...	1031	80513	80020	3.00	--	--	--	--
25...	1035	80513	80020	22.0	40	7.34	28.0	7.6
25...	1040	80513	80020	88.0	48	6.54	10.0	2.3

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
21...	1145	3.00	0	--	--	--	--	--
21...	1150	--	--	3	0.70	0.6	17	--
21...	1155	--	--	2	0.70	0.5	16	--
MAY								
19...	1115	4.60	2	--	--	--	--	--
19...	1120	--	--	3	1.7	0.8	15	4.5
19...	1125	--	--	11	3.8	0.6	18	5.2
AUG								
25...	1030	5.30	1	--	--	--	--	--
25...	1035	--	--	3	0.50	0.5	18	5.7
25...	1040	--	--	6	2.0	0.9	17	5.0

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

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WHITE RIVER BASIN--CONTINUED

07075638 GREERS FERRY LAKE AT HIGDEN, ARK.--CONTINUED
(LAT 35 33 48 LONG 092 11 48)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	NITRO- GEN, NO2+N03 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)
JAN								
21...	1146	--	--	--	--	--	0.400	<0.100
21...	1150	--	14	0.100	0.010	<0.010	--	--
21...	1155	--	14	<0.100	<0.010	<0.010	--	--
MAY								
19...	1116	--	--	--	--	--	0.800	<0.100
19...	1120	1.0	13	<0.100	0.010	<0.010	--	--
19...	1125	1.1	15	0.200	0.010	<0.010	--	--
AUG								
25...	1031	--	--	--	--	--	1.00	0.100
25...	1035	1.0	13	<0.100	0.020	<0.010	--	--
25...	1040	1.0	16	0.200	0.010	<0.010	--	--

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
21...	1500	80513	80020	0.0	--	--	--	--
21...	1501	80513	80020	3.00	--	--	--	--
21...	1505	80513	80020	25.0	37	7.09	7.5	10.8
21...	1510	80513	80020	100	36	7.11	7.5	11.3
MAY								
19...	1320	80513	80020	0.0	--	--	--	--
19...	1321	80513	80020	3.00	--	--	0.0	--
19...	1325	80513	80020	28.0	40	8.15	13.5	11.2
19...	1330	80513	80020	112	42	7.00	8.5	8.6
AUG								
25...	1315	80513	80020	0.0	--	--	--	--
25...	1316	80513	80020	3.00	--	--	--	--
25...	1320	80513	80020	28.0	40	8.03	23.5	10.6
25...	1325	80513	80020	112	42	6.78	9.0	5.4

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
21...	1500	3.20	0	--	--	--	--	--
21...	1505	--	--	2	0.60	0.6	14	--
21...	1510	--	--	1	0.60	0.6	12	--
MAY								
19...	1320	4.30	0	--	--	--	--	--
19...	1325	--	--	3	1.5	2.1	15	4.5
19...	1330	--	--	6	1.3	0.6	16	4.6
AUG								
25...	1315	4.60	0	--	--	--	--	--
25...	1320	--	--	2	0.60	0.3	14	4.1
25...	1325	--	--	3	0.80	0.3	16	4.7

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

WHITE RIVER BASIN--CONTINUED

07075660 GREERS FERRY LAKE NEAR EDEN ISLE, ARK.--CONTINUED
(LAT 35 30 12 LONG 092 05 32)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINIT 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)
JAN								
21...	1501	--	--	--	--	--	0.500	<0.100
21...	1505	--	13	0.100	0.010	<0.010	--	--
21...	1510	--	12	0.100	<0.010	<0.010	--	--
MAY								
19...	1321	--	--	--	--	--	0.600	<0.100
19...	1325	1.0	14	<0.100	0.010	<0.010	--	--
19...	1330	1.0	13	0.100	0.010	<0.010	--	--
AUG								
25...	1316	--	--	--	--	--	0.500	<0.100
25...	1320	0.90	13	<0.100	<0.010	<0.010	--	--
25...	1325	1.0	14	0.200	0.010	<0.010	--	--

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
15...	1030	80513	80020	0.0	--	--	--	--
15...	1031	80513	80020	3.00	--	--	--	--
15...	1035	80513	80020	4.00	71	6.61	7.0	12.1
APR								
29...	1545	80513	80020	0.0	--	--	--	--
29...	1550	80513	80020	2.00	100	6.83	22.0	8.7
AUG								
06...	1010	80513	80020	0.0	--	--	--	--
06...	1015	80513	80020	2.00	123	6.59	30.0	4.2
DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (W) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
15...	1030	0.46	150	--	--	--	--	--
15...	1035	--	--	48	18	1.7	16	--
APR								
29...	1545	0.73	20	--	--	--	--	--
29...	1550	--	--	25	5.0	3.2	26	4.8
AUG								
06...	1010	0.61	28	--	--	--	--	--
06...	1015	--	--	27	7.5	2.1	20	1.9

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINIT 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)
JAN								
15...	1031	--	--	--	--	--	0.900	<0.100
15...	1035	--	14	0.300	0.060	0.020	--	--
APR								
29...	1550	3.5	27	<0.100	0.060	0.010	22.0	3.30
AUG								
06...	1015	3.7	39	<0.100	0.080	<0.010	27.0	3.00

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

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ARKANSAS RIVER BASIN--CONTINUED

07258699 BLUE MOUNTAIN LAKE AT SUGAR GROVE, ARK.
(LAT 35 04 41 LONG 093 49 05)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
15...	0915	80513	80020	0.0	--	--	--	--
15...	0916	80513	80020	3.00	--	--	--	--
15...	0920	80513	80020	4.00	30	6.19	7.5	12.7
APR								
29...	1500	80513	80020	0.0	--	--	--	--
29...	1505	80513	80020	3.00	38	6.55	19.0	8.2
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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
15...	0915	0.91	24	--	--	--	--	--
15...	0920	--	--	53	15	1.4	6	--
APR								
29...	1500	1.20	29	--	--	--	--	--
29...	1505	--	--	23	3.5	1.6	10	1.8
DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	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)
JAN								
15...	0916	--	--	--	--	--	0.400	<0.100
15...	0920	--	7	<0.100	0.020	<0.010	--	--
APR								
29...	1505	1.4	10	<0.100	0.020	0.010	1.70	0.100

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
15...	0945	80513	80020	0.0	--	--	--	--
15...	0946	80513	80020	3.00	--	--	--	--
15...	0950	80513	80020	4.00	59	6.39	6.5	12.6
15...	0955	80513	80020	14.0	71	6.51	6.5	12.2
APR								
29...	1515	80513	80020	0.0	--	--	--	--
29...	1520	80513	80020	3.00	97	6.73	23.0	9.0
29...	1525	80513	80020	12.0	51	6.66	18.0	5.0
AUG								
06...	0930	80513	80020	0.0	--	--	--	--
06...	0935	80513	80020	3.00	94	6.44	30.0	4.4
06...	0940	80513	80020	9.00	159	6.30	26.0	0.3

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

ARKANSAS RIVER BASIN--CONTINUED

07258705 BLUE MOUNTAIN LAKE NEAR SUGAR GROVE, ARK.--CONTINUED
(LAT 35 05 50 LONG 093 48 08)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, O.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
15...	0945	0.61	77	--	--	--	--	--
15...	0950	--	--	42	17	1.1	14	--
15...	0955	--	--	55	18	1.6	18	--
APR								
29...	1515	0.76	5	--	--	--	--	--
29...	1520	--	--	16	2.5	2.7	25	4.6
29...	1525	--	--	13	7.2	1.6	13	2.4
AUG								
06...	0930	0.82	29	--	--	--	--	--
06...	0935	--	--	13	1.9	2.6	17	1.8
06...	0940	--	--	58	19	1.6	19	1.9

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	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)
JAN								
15...	0946	--	--	--	--	--	0.500	<0.100
15...	0950	--	12	0.200	0.060	0.010	--	--
15...	0955	--	14	0.300	0.060	0.020	--	--
APR								
29...	1520	3.4	25	<0.100	0.040	0.010	15.0	1.40
29...	1525	1.7	12	<0.100	0.030	0.020	--	--
AUG								
06...	0935	3.1	28	<0.100	0.060	<0.010	33.0	1.00
06...	0940	3.5	44	<0.100	0.060	<0.010	--	--

07258900 BLUE MOUNTAIN LAKE AT ASHLEY CREEK NEAR WAVELAND, ARK.
(LAT 35 06 14 LONG 093 42 26)

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
15...	1130	80513	80020	0.0	--	--	--	--
15...	1131	80513	80020	3.00	--	--	--	--
15...	1135	80513	80020	4.00	75	6.81	7.0	12.6
APR								
30...	0700	80513	80020	0.0	--	--	--	--
30...	0705	80513	80020	3.00	60	6.28	20.0	8.6
AUG								
06...	1045	80513	80020	0.0	--	--	--	--
06...	1050	80513	80020	2.00	67	6.82	31.0	5.7

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, O.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
15...	1130	0.30	160	--	--	--	--	--
15...	1135	--	--	90	32	2.3	20	--
APR								
30...	0700	0.43	K16	--	--	--	--	--
30...	0705	--	--	100	38	1.9	17	3.1
AUG								
06...	1045	0.55	21	--	--	--	--	--
06...	1050	--	--	26	13	1.5	12	1.2

ARKANSAS RIVER BASIN--CONTINUED

07258900 BLUE MOUNTAIN LAKE AT ASHLEY CREEK NEAR WAVELAND, ARK.--CONTINUED
(LAT 35 06 14 LONG 093 42 26)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	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)
JAN								
15...	1131	--	--	--	--	--	2.90	0.300
15...	1135	--	15	0.200	0.070	0.020	--	--
APR								
30...	0705	2.2	10	<0.100	0.060	0.010	9.00	0.300
AUG								
06...	1050	2.2	19	<0.100	0.070	<0.010	14.0	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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
20...	1300	80513	80020	0.0	--	--	--	--
20...	1301	80513	80020	3.00	--	--	--	--
20...	1305	80513	80020	5.00	33	6.40	5.5	12.5
MAY								
18...	1300	80513	80020	0.0	--	--	--	--
18...	1305	80513	80020	3.00	39	6.38	26.0	7.2
AUG								
24...	1300	80513	80020	0.0	--	--	--	--
24...	1305	80513	80020	3.00	56	6.25	28.0	5.9

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
20...	1300	0.46	86	--	--	--	--	--
20...	1305	--	--	52	14	0.9	10	--
MAY								
18...	1300	0.76	26	--	--	--	--	--
18...	1305	--	--	55	8.5	1.3	12	2.0
AUG								
24...	1300	1.00	K320	--	--	--	--	--
24...	1305	--	--	13	8.0	1.1	18	2.8

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	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)
JAN								
20...	1301	--	--	--	--	--	0.400	<0.100
20...	1305	--	8	0.100	0.020	<0.010	--	--
MAY								
18...	1305	1.6	12	<0.100	0.040	<0.010	6.50	0.700
AUG								
24...	1305	2.6	22	<0.100	0.030	<0.010	9.40	0.900

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

ARKANSAS RIVER BASIN--CONTINUED

07261880 NIMROD LAKE AT PLAINVIEW, ARK.
(LAT 34 59 03 LONG 093 18 36)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)
------	------	--	---	---	--	---	---	--	--	---	---

JAN											
20...	1240	80513	80020	0.0	--	--	--	--	0.61	K280	--
20...	1245	80513	80020	1.00	58	6.85	4.0	13.7	--	--	50

DATE	TIME	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS AS CAC03 (00900)	ALKA- LINIT WH WAT TOTAL MG/L AS (00410)	NITRO- GEN, NO2+N03 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)
------	------	---	---	---	---	---	--	--	--	--

JAN										
20...	1240	--	--	--	--	0.200	0.050	<0.010	--	--
20...	1245	13	0.9	16	14	--	--	--	0.600	<0.100

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
------	------	--	---	---	--	---	---	--	--

JAN									
20.	1145	80513	80020	0.0	--	--	--	--	0.67
20.	1146	80513	80020	3.00	--	--	--	--	--
20.	1150	80513	80020	6.00	47	6.59	4.5	8.8	--
MAY									
18.	1200	80513	80020	0.0	--	--	--	--	0.76
18.	1201	80513	80020	3.00	--	--	--	--	--
18.	1205	80513	80020	6.00	55	6.21	25.0	2.0	--
AUG									
24.	1115	80513	80020	0.0	--	--	--	--	0.30
24.	1116	80513	80020	3.00	--	--	--	--	--
24.	1120	80513	80020	6.00	45	6.43	28.5	5.1	--

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS AS CAC03 (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
------	------	---	---	---	---	---	---	---

JAN								
20.	1145	160	--	--	--	--	--	--
20.	1150	--	110	12	2.9	12	--	--
MAY								
18.	1200	2	--	--	--	--	--	--
18.	1205	--	65	5.6	2.2	15	2.7	2.0
AUG								
24.	1115	4	--	--	--	--	--	--
24.	1120	--	57	29	2.1	11	2.0	1.4

ARKANSAS RIVER BASIN--CONTINUED

07261910 NIMROD LAKE NEAR WARDS CROSSING, ARK.--CONTINUED
(LAT 34 57 03 LONG 093 19 24)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	ALKA- LINITY WH WAT TOTAL 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)
JAN								
20.	1146	--	--	--	--	--	4.70	0.200
20.	1150	12	0.0	<0.100	0.110	0.060	--	--
MAY								
18.	1201	--	--	--	--	--	20.0	1.40
18.	1205	16	--	<0.100	0.060	<0.010	--	--
AUG								
24.	1116	--	--	--	--	--	19.0	1.30
24.	1120	14	--	<0.100	0.100	<0.010	--	--

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
20...	1130	80513	80020	0.0	--	--	--	--
20...	1135	80513	80020	3.00	54	6.88	4.0	12.4
MAY								
18...	1145	80513	80020	0.0	--	--	--	--
18...	1150	80513	80020	2.00	43	6.14	26.5	4.9
AUG								
24...	1200	80513	80020	0.0	--	--	--	--
24...	1205	80513	80020	2.00	42	6.56	28.0	6.8

DATE	TIME	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, O.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
20...	1130	0.30	K530	--	--	--	--	--
20...	1135	--	--	140	35	2.6	13	--
MAY								
18...	1145	0.61	9	--	--	--	--	--
18...	1150	--	--	38	11	2.5	12	2.2
AUG								
24...	1200	0.46	20	--	--	--	--	--
24...	1205	--	--	17	10	3.0	13	2.4

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	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)
JAN								
20...	1135	--	8	0.100	0.070	0.010	2.40	0.200
MAY								
18...	1150	1.7	13	<0.100	0.050	<0.010	16.0	1.30
AUG								
24...	1205	1.7	13	<0.100	0.060	<0.010	37.0	2.30

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

ARKANSAS RIVER BASIN--CONTINUED

07261950 NIWROD LAKE NEAR CARTER COVE, ARK.
(LAT 34 57 22 LONG 093 14 56)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JAN								
20...	1030	80513	80020	0.0	--	--	--	--
20...	1035	80513	80020	1.00	33	6.87	3.5	13.5
MAY								
18...	1100	80513	80020	0.0	--	--	--	--
18...	1105	80513	80020	2.00	40	6.94	26.0	6.6
AUG								
24...	1045	80513	80020	0.0	--	--	--	--
24...	1050	80513	80020	1.00	43	6.71	26.0	7.2

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 (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
JAN								
20...	1030	0.61	9	--	--	--	--	--
20...	1035	--	--	65	12	1.4	10	--
MAY								
18...	1100	1.10	0	--	--	--	--	--
18...	1105	--	--	32	5.1	1.4	11	2.1
AUG								
24...	1045	0.40	K14	--	--	--	--	--
24...	1050	--	--	47	18	3.3	13	2.3

DATE	TIME	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	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)
JAN								
20...	1035	--	8	0.100	0.050	--	5.70	0.300
MAY								
18...	1105	1.5	13	<0.100	0.030	<0.010	7.90	0.700
AUG								
24...	1050	1.7	14	<0.100	0.100	<0.010	41.0	3.30

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
JAN										
13.	1415	80513	80020	0.0	--	--	--	--	1.30	4
13.	1416	80513	80020	3.00	--	--	--	--	--	--
13.	1420	80513	80020	7.00	29	6.88	5.0	14.0	--	--
APR										
29.	0715	80513	80020	0.0	--	--	--	--	1.20	4
29.	0716	80513	80020	3.00	--	--	--	--	--	--
29.	0720	80513	80020	5.00	50	6.58	22.0	10.6	--	--
AUG										
04.	1800	80513	80020	0.0	--	--	--	--	1.20	4
04.	1801	80513	80020	3.00	--	--	--	--	--	--
04.	1805	80513	80020	4.00	53	8.56	33.5	8.9	--	--

RED RIVER BASIN--CONTINUED

07339430 DEQUEEN LAKE AT ROBINSON CREEK NEAR GILLHAM, ARK.--CONTINUED
(LAT 34 09 49 LONG 094 24 18)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	COLOR (PLAT- NUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
JAN 13.	1420	13	6.2	1.1	8	--	--	8	5.0
APR 29.	0720	15	1.2	3.0	14	3.3	1.3	15	5.4
AUG 04.	1805	4	1.2	2.3	12	2.9	1.1	18	5.3
DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P) (70507)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)
JAN 13.	1420	4.0	0.200	0.020	<0.010	220	<1	<10	3
APR 29.	0720	4.1	0.100	0.100	0.050	30	<1	<10	4
AUG 04.	1805	--	<0.100	0.050	<0.010	50	<1	<1	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)
JAN 13.	1416	--	--	--	--	--	--	<0.100	<0.100
13.	1420	150	<5	<10	<0.10	1	<10	--	--
APR 29.	0716	--	--	--	--	--	--	9.00	0.200
29.	0720	260	<5	40	0.10	4	<10	--	--
AUG 04.	1805	200	<5	40	<0.10	2	20	11.0	1.40

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JAN 13.	1400	80513	80020	0.0	--	--	--	--	1.60
13.	1401	80513	80020	3.00	--	--	--	--	--
13.	1405	80513	80020	9.00	33	6.85	7.0	11.9	--
APR 29.	0745	80513	80020	0.0	--	--	--	--	1.20
29.	0746	80513	80020	3.00	--	--	--	--	--
29.	0750	80513	80020	9.00	31	7.97	21.5	9.9	--
29.	0755	80513	80020	34.0	33	7.93	13.0	7.0	--
AUG 04.	1830	80513	80020	0.0	--	--	--	--	2.20
04.	1831	80513	80020	3.00	--	--	--	--	--
04.	1835	80513	80020	8.00	38	8.03	31.5	7.6	--
04.	1840	80513	80020	34.0	57	6.52	15.5	0.8	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

RED RIVER BASIN--CONTINUED

07339440 DEQUEEN LAKE AT BELLAH CREEK NEAR KELLUM, ARK.--CONTINUED
(LAT 34 07 07 LONG 094 23 10)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD CAC03 (00410)
JAN									
13.	1400	2	--	--	--	--	--	--	--
13.	1405	--	8	3.8	1.1	10	--	--	11
APR									
29.	0745	0	--	--	--	--	--	--	--
29.	0750	--	19	2.0	2.0	9	2.0	0.90	9
29.	0755	--	22	5.2	1.5	10	2.3	1.0	10
AUG									
04.	1830	2	--	--	--	--	--	--	--
04.	1835	--	4	1.2	0.9	10	2.5	1.0	13
04.	1840	--	65	10	1.1	13	3.2	1.2	24

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS S04) (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)
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JAN								
13.	1401	--	--	--	--	--	5.50	0.300
13.	1405	--	5.0	0.200	0.010	<0.010	--	--
APR								
29.	0746	--	--	--	--	--	28.0	2.30
29.	0750	5.9	1.9	<0.100	0.030	0.010	--	--
29.	0755	6.3	1.8	0.200	0.030	0.010	--	--
AUG								
04.	1831	--	--	--	--	--	2.20	0.200
04.	1835	5.0	--	<0.100	0.010	<0.010	--	--
04.	1840	25	1.7	<0.100	0.060	0.030	--	--

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
JAN										
14.	1030	80513	80020	0.0	--	--	--	--	1.90	16
14.	1031	80513	80020	3.00	--	--	--	--	--	--
14.	1035	80513	80020	4.00	24	6.68	6.5	12.6	--	--
APR										
29.	1000	80513	80020	0.0	--	--	--	--	1.50	9
29.	1005	80513	80020	3.00	47	7.15	21.5	8.6	--	--
AUG										
05.	0945	80513	80020	0.0	--	--	--	--	>1.80	7
05.	0950	80513	80020	3.00	55	7.02	31.0	5.9	--	--

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD CAC03 (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
JAN									
14.	1035	10	5.5	0.3	7	--	--	10	5.6
APR									
29.	1005	3	1.2	1.6	16	4.2	1.4	18	4.1
AUG									
05.	0950	3	0.70	1.4	20	5.3	1.6	23	4.8

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

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RED RIVER BASIN--CONTINUED

07340430 GILLHAM LAKE AT DUCKETT FORD NEAR UMPIRE, ARK.--CONTINUED
(LAT 34 15 46 LONG 094 11 34)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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)
JAN 14.	1035	4.0	<0.100	0.010	<0.010	250	<1	<10	4
APR 29.	1005	2.1	<0.100	0.010	0.010	20	<1	40	3
AUG 05.	0950	--	<0.100	0.030	<0.010	50	<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)
JAN 14.	1031	--	--	--	--	--	--	0.300	<0.100
14.	1035	170	<5	<10	<0.10	2	<10	--	--
APR 29.	1005	100	9	20	0.10	6	<10	0.300	<0.100
AUG 05.	0950	740	<5	30	<0.10	4	<10	1.40	0.200

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 ANALYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JAN 14.	1000	80513	80020	0.0	--	--	--	--	1.60
14.	1001	80513	80020	3.00	--	--	--	--	--
14.	1005	80513	80020	12.0	34	6.69	5.5	13.1	--
APR 29.	1030	80513	80020	0.0	--	--	--	--	1.40
29.	1031	80513	80020	3.00	--	--	--	--	--
29.	1035	80513	80020	12.0	43	6.74	19.5	7.0	--
AUG 05.	0915	80513	80020	0.0	--	--	--	--	1.30
05.	0916	80513	80020	3.00	--	--	--	--	--
05.	0920	80513	80020	11.0	55	6.18	30.0	0.5	--

DATE	TIME	COLI- FORM, FECAL, O.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)
JAN 14.	1000	22	--	--	--	--	--	--	--
14.	1005	--	22	6.4	0.5	8	--	--	11
APR 29.	1030	5	--	--	--	--	--	--	--
29.	1035	--	21	1.5	2.7	14	3.6	1.3	16
AUG 05.	0915	2	--	--	--	--	--	--	--
05.	0920	--	6	12	2.4	18	4.7	1.6	22

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

RED RIVER BASIN--CONTINUED

07340435 GILLHAM LAKE (OPOSSUM CK. ARM) NEAR DUCKETT, ARK.--CONTINUED
(LAT 34 15 14 LONG 094 13 08)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTH0, 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)
JAN								
14.	1001	--	--	--	--	--	0.800	<0.100
14.	1005	--	4.8	0.500	0.010	<0.010	--	--
APR								
29.	1031	--	--	--	--	--	2.90	0.100
29.	1035	4.1	2.1	<0.100	0.030	0.010	--	--
AUG								
05.	0916	--	--	--	--	--	23.0	1.60
05.	0920	5.0	2.1	<0.100	0.100	<0.010	--	--

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)
JAN									
14.	0930	80513	80020	0.0	--	--	--	--	1.40
14.	0931	80513	80020	3.00	--	--	--	--	--
14.	0935	80513	80020	13.0	29	6.61	7.5	13.3	--
14.	0940	80513	80020	52.0	25	6.64	6.0	12.3	--
APR									
29.	1100	80513	80020	0.0	--	--	--	--	1.70
29.	1101	80513	80020	3.00	--	--	--	--	--
29.	1105	80513	80020	13.0	26	7.02	17.0	9.2	--
29.	1110	80513	80020	52.0	34	6.69	11.5	5.0	--
AUG									
05.	0900	80513	80020	0.0	--	--	--	--	2.20
05.	0901	80513	80020	3.00	--	--	--	--	--
05.	0905	80513	80020	12.0	38	7.88	30.0	8.2	--
05.	0910	80513	80020	48.0	60	6.44	13.0	0.7	--

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)
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JAN									
14.	0930	1	--	--	--	--	--	--	--
14.	0935	--	11	0.40	1.5	9	--	--	12
14.	0940	--	38	9.9	1.1	7	--	--	10
APR									
29.	1100	2	--	--	--	--	--	--	--
29.	1105	--	20	0.80	4.1	9	2.1	0.90	9
29.	1110	--	32	5.7	1.6	11	2.7	1.0	13
AUG									
05.	0900	4	--	--	--	--	--	--	--
05.	0905	--	8	1.5	1.1	13	3.2	1.1	14
05.	0910	--	68	12	1.5	13	3.3	1.2	24

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

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RED RIVER BASIN--CONTINUED

07340440 GILLHAM LAKE ABOVE COON CREEK NEAR DIERKS, ARK.--CONTINUED
(LAT 34 13 53 LONG 094 13 54)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS, TOTAL (MG/L AS P) (00665)	PHOS- PHORUS, ORTH0, 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)
JAN								
14.	0931	--	--	--	--	--	24.0	<0.200
14.	0935	--	4.2	<0.100	0.010	<0.010	--	--
14.	0940	--	5.2	<0.100	0.020	<0.010	--	--
APR								
29.	1101	--	--	--	--	--	18.0	0.200
29.	1105	5.2	1.3	<0.100	0.030	0.010	--	--
29.	1110	5.7	1.8	<0.100	0.030	0.020	--	--
AUG								
05.	0901	--	--	--	--	--	7.70	0.300
05.	0905	4.5	--	<0.100	0.020	<0.010	--	--
05.	0910	11	1.6	<0.100	0.080	<0.010	--	--

07340595 LITTLE RIVER NEAR WILTON, ARK.
(LAT 33 47 00 LONG 094 08 54)

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
JAN										
12.	1630	80513	80020	0.0	--	--	--	--	0.49	K200
12.	1631	80513	80020	3.00	--	--	--	--	--	--
12.	1635	80513	80020	4.00	60	7.30	6.5	13.0	--	--
12.	1640	80513	80020	18.0	61	7.24	6.5	12.1	--	--
APR										
27.	1500	80513	80020	0.0	--	--	--	--	0.70	K3
27.	1501	80513	80020	3.00	--	--	--	--	--	--
27.	1505	80513	80020	4.00	79	6.73	23.0	8.3	--	--
27.	1510	80513	80020	14.0	70	6.64	21.5	6.1	--	--
AUG										
04.	0715	80513	80020	0.0	--	--	--	--	1.30	13
04.	0716	80513	80020	3.00	--	--	--	--	--	--
04.	0720	80513	80020	4.00	42	6.35	30.0	7.0	--	--
04.	0725	80513	80020	14.0	48	6.32	28.0	5.6	--	--

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
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JAN									
12.	1635	58	16	1.0	20	--	--	17	12
12.	1640	53	12	1.4	20	--	--	17	12
APR									
27.	1505	35	3.2	1.1	19	5.2	1.5	16	6.2
27.	1510	33	5.0	1.0	21	5.7	1.6	18	7.0
AUG									
04.	0720	9	2.1	1.1	11	2.4	1.2	12	6.3
04.	0725	17	5.2	0.9	13	3.1	1.2	14	7.8

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

RED RIVER BASIN--CONTINUED

07340595 LITTLE RIVER NEAR WILTON, ARK.--CONTINUED
(LAT 33 47 00 LONG 094 08 54)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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)
JAN									
12.	1635	7.2	0.100	0.030	0.010	560	<1	<10	12
12.	1640	7.5	0.100	0.030	0.010	870	<1	<10	4
APR									
27.	1505	10	0.200	0.040	0.010	190	<1	<10	4
27.	1510	--	<0.100	0.080	<0.010	250	<1	<10	4
AUG									
04.	0720	--	<0.100	0.030	<0.010	90	<1	<10	3
04.	0725	--	<0.100	0.080	<0.010	170	<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)
JAN									
12.	1631	--	--	--	--	--	--	18.0	0.700
12.	1635	760	<5	40	<0.10	5	<10	--	--
12.	1640	1100	<5	40	<0.10	3	<10	--	--
APR									
27.	1501	--	--	--	--	--	--	13.0	2.10
27.	1505	810	<5	150	0.10	<1	<10	--	--
27.	1510	970	<5	270	0.20	<1	<10	--	--
AUG									
04.	0716	--	--	--	--	--	--	2.80	0.500
04.	0720	420	<5	60	<0.10	4	<10	--	--
04.	0725	740	<5	170	<0.10	3	<10	--	--

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
JAN										
12.	1300	80513	80020	0.0	--	--	--	--	0.52	K260
12.	1301	80513	80020	3.00	--	--	--	--	--	--
12.	1305	80513	80020	16.0	68	7.16	6.5	12.0	--	--
APR										
28.	0800	80513	80020	0.0	--	--	--	--	1.00	8
28.	0801	80513	80020	3.00	--	--	--	--	--	--
28.	0805	80513	80020	15.0	84	6.33	20.0	7.8	--	--
AUG										
03.	1915	80513	80020	0.0	--	--	--	--	0.91	97
03.	1916	80513	80020	3.00	--	--	--	--	--	--
03.	1920	80513	80020	15.0	75	6.64	31.0	2.4	--	--

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
JAN									
12.	1305	55	12	1.6	21	--	--	18	11
APR									
28.	0805	22	1.2	1.1	24	6.8	1.6	21	6.5
AUG									
03.	1920	18	15	1.4	17	4.4	1.5	17	8.1

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

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RED RIVER BASIN--CONTINUED

07340800 MILLWOOD LAKE AT YARBOROUGH LANDING NEAR ASHDOWN, ARK.--CONTINUED
(LAT 33 43 29 LONG 094 01 05)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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)
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JAN	12.	1305	8.0	0.100	0.040	0.020	1200	<1	<10	3
APR	28.	0805	--	<0.100	0.020	<0.010	90	<1	<10	3
AUG	03.	1920	--	<0.100	0.090	<0.010	120	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)
------	------	--	--	--	--	--	--	--	--

JAN	12.	1301	--	--	--	--	--	3.50	0.200
JAN	12.	1305	70	<5	40	<0.10	3	<10	--
APR	28.	0801	--	--	--	--	--	3.60	0.200
APR	28.	0805	400	<5	190	0.10	<1	<10	--
AUG	03.	1916	--	--	--	--	--	5.50	0.700
AUG	03.	1920	1000	<5	290	<0.10	4	20	--

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
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JAN	13.	1115	80513	80020	0.0	--	--	--	1.20	20
JAN	13.	1120	80513	80020	3.00	38	6.84	4.5	14.0	--
APR	28.	1300	80513	80020	0.0	--	--	--	1.00	3
APR	28.	1305	80513	80020	2.00	51	6.67	23.0	8.6	--
AUG	04.	1025	80513	80020	0.0	--	--	--	0.61	10
AUG	04.	1030	80513	80020	3.00	52	6.41	30.5	4.2	--

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY WH WA1 TOTAL FIELD MG/L AS CAC03 (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
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JAN	13.	1120	28	8.3	0.7	11	--	--	11	7.2
APR	28.	1305	18	6.5	2.5	14	3.0	1.6	19	3.4
AUG	04.	1030	22	15	6.4	--	--	--	22	4.9

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

RED RIVER BASIN--CONTINUED

07340960 DIERKS LAKE AT CAMP CREEK NEAR BURG, ARK.--CONTINUED
(LAT 34 11 59 LONG 094 05 22)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+N03 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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JAN 13.	1120	5.0	0.700	0.020	<0.010	430	<1	<10	3
APR 28.	1305	2.6	<0.100	0.030	<0.010	200	<1	<10	3
AUG 04.	1030	--	<0.100	0.140	<0.010	80	1	<10	5

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)	CHLOROPHYTO- PLANKTON CHROMOFLUOROM (UG/L) (70953)	CHLOROPHYTO- PLANKTON CHROMOFLUOROM (UG/L) (70954)
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JAN 13.	1120	330	<5	<10	<0.10	2	<10	1.00	0.100
APR 28.	1305	710	<5	200	0.10	<1	<10	12.0	1.00
AUG 04.	1030	860	<5	300	<0.10	9	<10	72.0	7.50

07340980 DIERKS LAKE AT HOSE CREEK NEAR LEBANON, ARK.
(LAT 34 10 08 LONG 094 05 45)

DATE	TIME	AGENCY COLLECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANALYZING SAMPLE (CODE NUMBER) (00028)	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	TRANSPARENCY (SECCHI DISK) (M) (00078)
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JAN 13.	1045	80513	80020	0.0	--	--	--	--	0.91
13.	1046	80513	80020	3.00	--	--	--	--	--
13.	1050	80513	80020	9.00	39	6.79	7.0	11.8	--
13.	1055	80513	80020	36.0	39	6.77	5.5	12.0	--
APR 28.	1230	80513	80020	0.0	--	--	--	--	1.10
28.	1231	80513	80020	3.00	--	--	--	--	--
28.	1235	80513	80020	10.0	35	6.72	18.0	7.3	--
28.	1240	80513	80020	38.0	43	6.43	13.0	3.3	--
AUG 04.	1000	80513	80020	0.0	--	--	--	--	1.20
04.	1001	--	80020	3.00	--	--	--	--	--
04.	1005	80513	80020	9.00	41	6.60	29.5	3.4	--
04.	1010	80513	80020	36.0	82	6.42	14.5	0.8	--

DATE	TIME	COLIFORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)	COLOR (PLATINUM-COBALT UNITS) (00080)	TURBIDITY (FTU) (00076)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L) (00310)	HARDNESS (MG/L AS CAC03) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKALINITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)
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JAN 13.	1045	4	--	--	--	--	--	--	--
13.	1050	--	35	7.9	1.3	11	--	--	13
13.	1055	--	55	12	1.2	10	--	--	12
APR 28.	1230	1	--	--	--	--	--	--	--
28.	1235	--	28	3.0	1.5	10	2.2	1.2	11
28.	1240	--	65	14	1.6	12	2.6	1.3	14
AUG 04.	1000	2	--	--	--	--	--	--	--
04.	1005	--	18	2.1	2.2	13	2.6	1.5	15
04.	1010	--	69	15	1.4	17	4.0	1.7	35

RED RIVER BASIN--CONTINUED

07340980 DIERKS LAKE AT HOSE CREEK NEAR LEBANON, ARK.--CONTINUED
(LAT 34 10 08 LONG 094 05 45)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+N03 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)
JAN								
13.	1046	--	--	--	--	--	9.20	0.400
13.	1050	--	5.0	0.400	0.020	<0.010	--	--
13.	1055	--	5.0	0.500	0.030	0.010	--	--
APR								
28.	1231	--	--	--	--	--	9.50	0.400
28.	1235	5.6	1.9	0.300	0.040	<0.010	--	--
28.	1240	7.5	2.3	0.300	0.040	0.020	--	--
AUG								
04.	1001	--	--	--	--	--	15.0	0.300
04.	1005	6.3	--	<0.100	0.040	<0.010	--	--
04.	1010	13	1.8	<0.100	0.190	0.150	--	--

07341250 MILLWOOD LAKE AT HIGHWAY 332 BRIDGE NEAR SCHAAL, ARK.
(LAT 33 49 08 LONG 093 59 06)

DATE	TIME	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
JAN										
12.	1515	80513	80020	0.0	--	--	--	--	0.45	88
12.	1516	80513	80020	3.00	--	--	--	--	--	--
12.	1520	80513	80020	6.00	63	7.21	5.0	12.8	--	--
APR										
27.	1345	80513	80020	0.0	--	--	--	--	0.61	36
27.	1346	80513	80020	3.00	--	--	--	--	--	--
27.	1350	80513	80020	7.00	91	6.67	21.0	6.5	--	--
AUG										
03.	1220	80513	80020	0.0	--	--	--	--	1.10	74
03.	1221	80513	80020	3.00	--	--	--	--	--	--
03.	1225	80513	80020	6.00	63	6.29	29.5	1.8	--	--

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
JAN									
12.	1520	96	21	1.4	20	--	--	15	13
APR									
27.	1350	55	9.8	1.1	27	7.5	2.0	23	11
AUG									
03.	1225	28	16	1.5	16	4.0	1.5	19	9.0

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NO2+N03 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)
JAN									
12.	1520	8.2	0.300	0.030	0.010	850	<1	<10	6
APR									
27.	1350	11	<0.100	0.020	0.020	230	<1	<10	4
AUG									
03.	1225	--	<0.100	0.040	<0.010	270	1	<10	3

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

RED RIVER BASIN--CONTINUED

07341250 MILLWOOD LAKE AT HIGHWAY 332 BRIDGE NEAR SCHAAL, ARK.--CONTINUED
(LAT 33 49 08 LONG 093 59 06)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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)
JAN									
12.	1516	--	--	--	--	--	--	0.800	<0.100
12.	1520	1100	<5	60	<0.10	5	<10	--	--
APR									
27.	1346	--	--	--	--	--	--	0.700	<0.100
27.	1350	1400	<5	300	0.20	4	<10	--	--
AUG									
03.	1221	--	--	--	--	--	--	4.80	0.700
03.	1225	1100	<5	270	<0.10	5	40	--	--

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-WF (COLS./ 100 ML) (31625)
JAN										
12.	1415	80513	80020	0.0	--	--	--	--	0.76	57
12.	1416	80513	80020	3.00	--	--	--	--	--	--
12.	1420	80513	80020	12.0	96	7.19	5.5	12.2	--	--
APR										
27.	1245	80513	80020	0.0	--	--	--	--	0.61	0
27.	1246	80513	80020	3.00	--	--	--	--	--	--
27.	1250	80513	80020	6.00	118	6.64	22.0	5.6	--	--
AUG										
03.	1025	80513	80020	0.0	--	--	--	--	1.00	12
03.	1026	80513	80020	3.00	--	--	--	--	--	--
03.	1030	80513	80020	5.00	217	6.52	28.5	0.2	--	--

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
JAN									
12.	1420	45	30	2.5	30	--	--	18	18
APR									
27.	1250	30	3.2	2.9	34	11	1.5	32	14
AUG									
03.	1030	58	13	3.1	53	18	2.0	72	11

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)
JAN									
12.	1420	7.5	0.800	0.050	0.020	1400	<1	<10	6
APR									
27.	1250	7.8	<0.100	0.030	0.040	140	3	<10	4
AUG									
03.	1030	--	<0.100	0.530	0.240	30	10	<1	2

RED RIVER BASIN--CONTINUED

07341280 MILLWOOD LAKE ON WINE CREEK, NEAR OKAY, ARK.--CONTINUED
(LAT 33 47 16 LONG 093 56 11)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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)
JAN									
12.	1416	--	--	--	--	--	--	2.10	0.200
12.	1420	3700	<5	250	<0.10	5	<10	--	--
APR									
27.	1246	--	--	--	--	--	--	29.0	4.00
27.	1250	1000	<5	420	0.10	1	<10	--	--
AUG									
03.	1026	--	--	--	--	--	--	14.0	1.20
03.	1030	3400	<5	1600	<0.10	4	20	--	--

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)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	TRANS- PAR- ENCY (SECCHI DISK) (M) (00078)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
JAN										
12.	1030	80513	80020	0.0	--	--	--	--	0.67	7
12.	1031	80513	80020	3.00	--	--	--	--	--	--
12.	1035	80513	80020	8.00	76	6.44	5.5	13.0	--	--
12.	1040	80513	80020	30.0	78	6.58	5.5	12.3	--	--
APR										
27.	1145	80513	80020	0.0	--	--	--	--	0.90	2
27.	1146	80513	80020	3.00	--	--	--	--	--	--
27.	1150	80513	80020	8.00	57	6.77	21.5	10.0	--	--
27.	1155	80513	80020	30.0	59	6.69	18.0	5.4	--	--
AUG										
03.	1015	80513	80020	0.0	--	--	--	--	0.94	0
03.	1016	80513	80020	3.00	--	--	--	--	--	--
03.	1020	80513	80020	8.00	101	6.61	31.0	4.1	--	--
03.	1025	80513	80020	30.0	115	6.58	28.0	0.2	--	--

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (FTU) (00076)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	HARD- NESS (MG/L AS CAC03) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
JAN									
12.	1035	47	11	1.7	23	--	--	19	13
12.	1040	47	15	1.5	23	--	--	20	12
APR									
27.	1150	31	5.7	1.7	20	6.2	1.1	20	8.2
27.	1155	32	8.0	1.5	20	6.0	1.2	18	7.0
AUG									
03.	1020	13	11	1.1	30	9.7	1.5	30	7.7
03.	1025	4	1.3	1.1	26	7.5	1.7	33	7.7

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)
JAN									
12.	1035	9.0	--	--	--	400	<1	<10	5
12.	1040	9.5	0.200	0.030	0.010	490	1	<10	3
APR									
27.	1150	4.6	<0.100	0.020	<0.010	210	<1	<10	3
27.	1155	3.3	0.400	0.030	<0.010	170	<1	<10	4
AUG									
03.	1020	--	--	--	--	50	2	10	2
03.	1025	--	<0.100	0.060	0.020	50	6	<10	2

RED RIVER BASIN--CONTINUED

07341295 MILLWOOD LAKE NEAR SARATOGA, ARK.--CONTINUED
(LAT 33 44 20 LONG 093 57 09)

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

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)
JAN									
12.	1031	--	--	--	--	--	--	9.10	0.400
12.	1035	920	<5	50	<0.10	3	<10	--	--
12.	1040	1100	<5	70	<0.10	3	<10	--	--
APR									
27.	1146	--	--	--	--	--	--	6.30	0.400
27.	1150	500	<5	40	0.10	<1	<10	--	--
27.	1155	640	<5	510	0.10	<1	<10	--	--
AUG									
03.	1016	--	--	--	--	--	--	23.0	1.50
03.	1020	220	<5	300	<0.10	2	<10	--	--
03.	1025	380	<5	2000	<0.10	4	<10	--	--

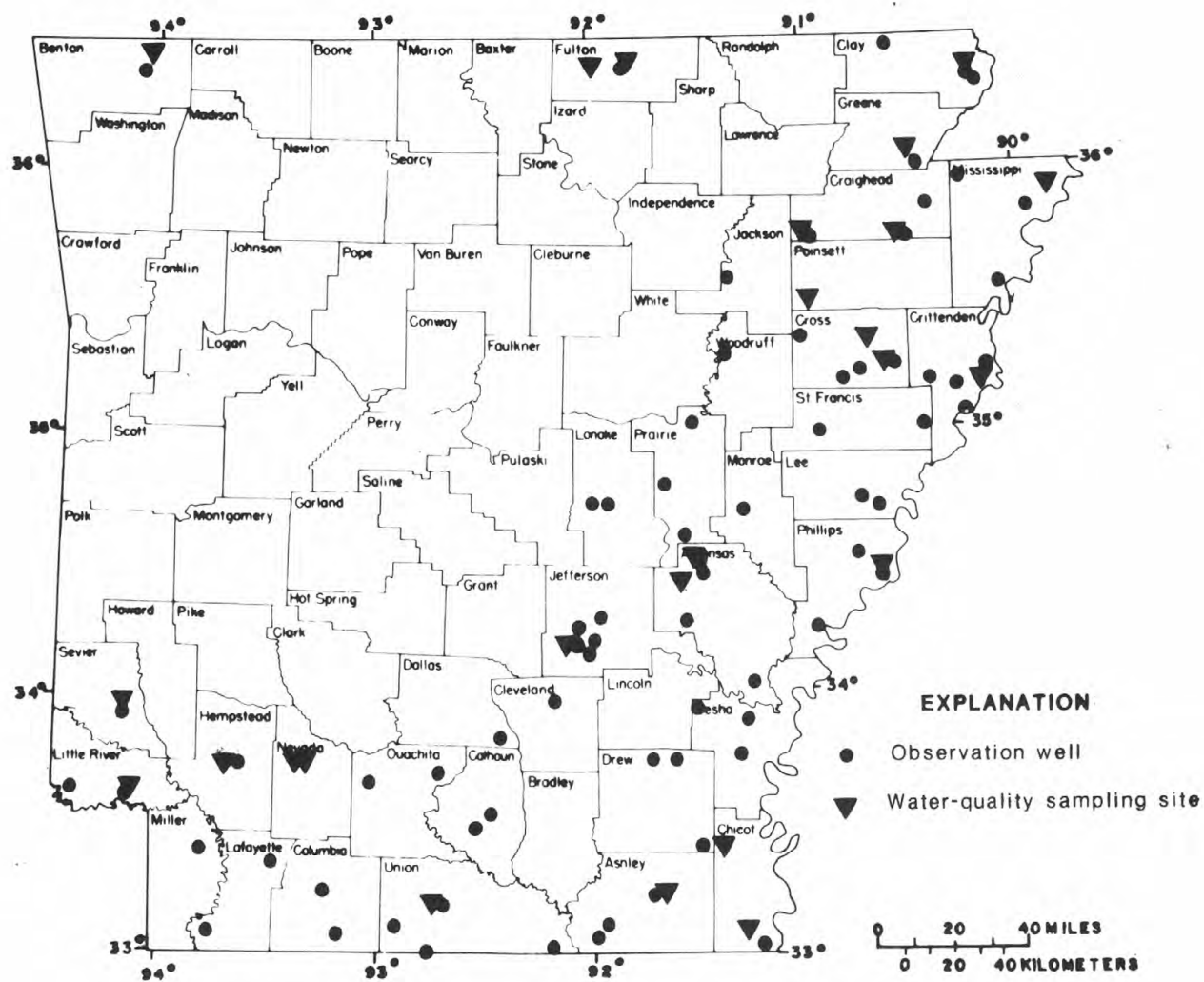


Figure 6.--Locations of observation wells in Arkansas.

ARKANSAS COUNTY

340529091154801. Local number, 07S02W17BBA1.

LOCATION.--Lat 34°05'29", long 91°15'48", Hydrologic Unit 08020401, near Tichnor.

Owner: Sam Whiting.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 5-2 in, depth 95 ft, cased 0-92 ft, screened 92-95 ft.

DATUM.--Land surface, 183.38 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.60 ft above land surface.

PERIOD OF RECORD.--December 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.09 ft below land surface, Apr. 20, 1962; lowest, 74.09 ft below land surface, July 24, 1965.

MEASUREMENT FOR CURRENT YEAR.--Mar. 16, 1987, 48.96 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.--Mar. 17, 1987, 50.20 ft below land surface.

342842091303401. Local number, 03S05W02AAB1.

LOCATION.--Lat 34°28'42", long 91°30'34", Hydrologic Unit 08020402, near Stuttgart.

Owner: Clarence Weaver.

AQUIFER.--Sparta Sand of Eocene age.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in, depth 801 ft, screened 698-798 ft.

DATUM.--Land surface, 210 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump, 1.50 ft above land surface.

REMARKS.--Water-quality records for 1950 available in files of district office.

PERIOD OF RECORD.--March 1951 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.22 ft below land surface, Mar. 29, 1951; lowest, 157.98 ft below land surface, Sept. 12, 1966.

MEASUREMENT FOR CURRENT YEAR.--Mar. 16, 1987, 148.67 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 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	214.74	187.37	176.94	169.80	164.88	161.22	157.91	164.96	179.00	196.02	251.38	---
10	206.76	184.97	175.11	168.82	164.12	160.67	157.38	173.86	184.56	192.19	259.15	---
15	201.23	183.54	173.91	167.99	162.94	160.11	156.81	174.93	190.05	202.55	247.08	---
20	197.14	181.39	172.76	167.06	162.69	159.52	156.25	170.96	192.44	211.39	243.57	219.96
25	193.62	179.37	171.93	166.17	162.08	158.82	156.30	172.79	187.69	232.33	---	213.82
EOM	190.30	177.88	170.81	165.65	161.28	158.21	160.95	171.31	189.97	246.91	---	213.69

WTR YR 1987 HIGHEST 156.22 APR. 22, 21, 1987 LOWEST 259.15 AUG. 10, 1987

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, 18S08W28DD02.

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 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	87.53	87.22	87.84	87.46	87.42	87.53	87.39	87.41	87.43	87.35	87.28	87.22
10	87.42	87.54	87.56	87.25	87.51	87.37	87.02	87.30	87.26	87.34	87.27	87.29
15	87.59	87.27	87.58	87.18	86.63	87.14	86.97	87.34	87.23	87.32	87.37	87.26
20	87.53	87.36	87.49	87.48	87.44	---	87.22	87.32	87.26	87.37	87.41	87.40
25	87.30	87.13	87.29	87.13	87.35	---	87.41	87.30	87.26	87.35	87.28	87.25
EOM	87.52	87.18	87.35	87.35	86.69	87.33	87.19	87.30	87.34	87.31	87.29	87.31

WTR YR 1987 HIGHEST 86.63 FEB. 15, 1987 LOWEST 87.91 NOV. 13, 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, 88.17 ft below land surface, March 26, 1987.

MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1987, 88.17 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.--Mar. 26, 1987, 77.68 ft below land surface.

BENTON COUNTY

361956094061401. Local number, 19N29W07DAB1.

LOCATION.--Lat 36°19'56", long 94°06'14", Hydrologic Unit 11010001, at Rogers.

Owner: City of Rogers.

AQUIFER.--Gunter Sandstone of Ordovician age.

WELL CHARACTERISTICS.--Drilled unused public-supply artesian well, diameter 8 in, depth 1,659 ft, cased 0-300 ft, open hole 300-1,659 ft.

DATUM.--Land surface, 1,220 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in west side of pump, 2.50 ft above land surface.

REMARKS.--This well replaced well number 21N29W35DDB1 for water-level measurements.

PERIOD OF RECORD.--May 1966 to December 1975, May 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 108.72 ft below land surface, Dec. 2, 1975; lowest, 279.68 ft below land surface, June 9, 1967.

MEASUREMENT FOR CURRENT YEAR.--Apr. 9, 1987, 135.98 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.

332226092274101. 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. 7, 1987, 165.92 ft below land surface.

332932092325001. Local number, 14S14W21ACB1.

LOCATION.--Lat 33°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 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	36.14	35.91	35.29	34.69	34.48	34.19	34.33	34.78	35.22	35.50	36.04	36.47
10	36.18	35.76	35.00	34.66	34.49	34.17	34.36	34.82	35.36	35.61	36.11	36.52
15	36.10	35.70	34.97	34.66	34.37	34.20	34.40	34.90	35.25	35.70	36.17	36.57
20	36.14	35.59	34.88	34.58	34.37	34.17	34.48	35.00	35.27	35.84	36.28	36.59
25	35.92	35.38	34.73	34.56	34.34	34.17	34.62	35.11	35.35	35.92	36.34	36.62
EOM	35.98	35.31	34.75	34.56	34.10	34.27	34.69	35.14	35.43	35.96	36.40	36.69

WTR YR 1987 HIGHEST 34.09 MAR. 1, 1987 LOWEST 36.69 SEP. 30, 1987

CHICOT COUNTY

330215091120501. Local number, 19S01W21AAA1.

LOCATION.--Lat 33°02'15", long 91°12'05", Hydrologic Unit 08050002, near Readland.

Owner: C. M. Rankin.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 24 in, depth 102 ft.

DATUM.--Land surface, 110 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, north side, 1.50 ft above land surface.

REMARKS.--Water-quality records for 1952 available in files of district office.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.65 ft below land surface, Mar. 29, 1973; lowest, 32.96 ft below land surface, Oct. 2, 1969.

MEASUREMENT FOR CURRENT YEAR.--Mar. 25, 1987, 10.15 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.--Mar. 25, 1987, 42.62 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, 134 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, 27.77 ft below land surface, Mar. 25, 1987.

MEASUREMENT FOR CURRENT YEAR.--Mar. 25, 1987, 27.77 ft below land surface.

362311090111002. Local number, 20N08E11BAC2.

LOCATION.--Lat 36°23'11", long 90°11'10", Hydrologic Unit 08020203, at municipal light plant, Piggott (well No. 2).

Owner: City of Piggott.

AQUIFER.--Nacatoch Sand of Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, depth 1,000 ft.

DATUM.--Land surface, 290 ft National Geodetic Vertical Datum of 1929. Measuring point: 1-in hole in bottom of discharge pipe, 4.00 ft above land surface.

REMARKS.--Well in vicinity of continuously pumping wells. Not measured 1985 and 1987.

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.--No measurement.

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.

PERIOD OF RECORD.--Current year.

MEASUREMENT FOR CURRENT YEAR.--Apr. 9, 1987, 23.28 ft below land surface.

362502090095801. Local number, 21N08E36ABB1.

LOCATION.--Lat 36°25'02", long 90°09'58", Hydrologic Unit 08020203, near Piggott.

Owner: A. L. Freytag.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in, depth 90 ft, cased 0-70 ft, screened 70-90 ft.

DATUM.--Land surface, 283 ft National Geodetic Vertical Datum of 1929. Measuring point: 1/4-in plug in north side of pump, 1.00 ft above land surface.

REMARKS.--Well commonly flows in the early spring.

PERIOD OF RECORD.--June 1955, January 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, +0.80 ft above land surface, Apr. 11, 1973; lowest, 9.48 ft below land surface, Jan. 15, 1957.

MEASUREMENT FOR CURRENT YEAR.--Apr. 9, 1987, 3.19 ft above land surface.

362759090332401. Local number, 21N05E17ABB1.

LOCATION.--Lat 36°27'59", long 90°33'24", Hydrologic Unit 11010007, near Corning.

Owner: D and E Farms.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 12 in, depth 105 ft.

DATUM.--Land surface, 300 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft above land surface.

PERIOD OF RECORD.--June 1955, January 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.91 ft below land surface, Apr. 4, 1973; lowest, 20.88 ft below land surface, Mar. 11, 1964.

MEASUREMENT FOR CURRENT YEAR.--Apr. 10, 1987, 17.18 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.

MEASUREMENT FOR CURRENT YEAR.--Mar. 27, 1987, 199.08 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. 7, 1987, 237.17 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.--Mar. 31, 1987, 328.45 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 1986 TO SEPTEMBER 1987 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	83.02	82.74	82.94	82.59	82.62	82.49	82.29	82.28	82.86	83.85	84.54	84.75
10	82.93	82.85	82.81	82.38	82.39	82.48	82.18	82.14	82.75	83.73	84.71	84.63
15	82.98	82.55	82.63	82.42	82.16	82.11	82.17	82.79	82.78	84.25	84.68	84.57
20	82.89	82.78	82.62	82.66	82.71	82.33	82.32	83.12	83.40	84.18	84.68	84.59
25	82.77	82.50	82.57	82.47	82.51	82.33	82.32	83.12	83.81	84.36	84.42	84.54
EOM	82.86	82.55	82.54	82.56	81.78	82.43	82.11	83.12	84.13	84.18	84.63	84.53

WTR YR 1987 HIGHEST 81.78 FEB. 28, 1987 LOWEST 84.89 SEP. 3, 1987

354236090504401. Local number 13N02E35DAC1.

LOCATION.--Lat 35°42'36", long 90°50'44", Hydrologic Unit 08020302, near Otwell.

Owner: A. B. Clark.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 12 in, depth 127 ft, cased 0-87 ft, screened 87-127 ft.

DATUM.--Land surface, 250 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water-quality records for June 1969, Sept. 1974, and June 1981 are available in files of district office.

354921090281201. Local number, 14N06E20CCD1.

LOCATION.--Lat 35°49'21", long 90°28'12", Hydrologic Unit 08020203, near Lake City.

Owner: Harley Box.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 8-6 in, depth 150 ft, casing, slotted, 125-150 ft

DATUM.--Land surface, 226 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing: South

side, 1.50 ft above land surface.

PERIOD OF RECORD.--April 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.60 ft below land surface, Apr. 9, 1973; lowest, 5.79 ft below land surface, Sept. 16, 1964.

MEASUREMENT FOR CURRENT YEAR.--Apr. 8, 1987, 4.91 ft below land surface.

354635090365601. Local number, 13N04E12AB81.

LOCATION.--Lat 35°46'35", long 90°36'56", Hydrologic Unit 08020203, near Bay.

Owner: Wilburn Morrison.

AQUIFER.--Sand and gravel of 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 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 water level measured, 14.73 ft below land surface, Apr. 1, 1985; lowest, 19.30 ft below land surface, Aug. 7, 1984.

MEASUREMENT FOR CURRENT YEAR.--Apr. 8, 1987, 18.78 ft below land surface.

354437090335701. Local number, 13N05E21BDD1.

LOCATION.--Lat 35°44'37", long 90°33'57", Hydrologic Unit 08020203.

Owner: Town of Bay.

AQUIFER.--Sand and gravel of Quaternary age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16 in, depth 147 ft, cased 0-97 ft, screened 97-127 ft, cased 127-147 ft.

DATUM.--Land surface, 226 ft National Geodetic Vertical Datum of 1929. Measuring point: Breather-pipe hole, 1.50 ft above land surface.

REMARKS.--Water-quality records for December 1976 and June 1981 are available in files of district office.

PERIOD OF RECORD.--March 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.10 ft below land surface, Apr. 9, 1973; lowest, 12.43 ft below land surface, May 20, 1981.

MEASUREMENT FOR CURRENT YEAR.--Apr. 8, 1987, 8.45 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 artesian 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 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	27.09	26.42	24.97	24.90	25.28	23.68	23.92	23.68	24.41	25.90	27.16	28.10
10	26.46	26.31	24.61	25.24	25.00	23.45	23.61	23.97	24.63	25.72	27.35	28.41
15	26.20	25.68	24.45	25.49	24.99	24.12	23.46	24.15	25.01	25.60	27.73	28.63
20	26.54	25.61	24.48	25.58	25.36	24.45	22.88	24.55	25.24	25.88	27.99	28.77
25	26.48	26.13	24.94	24.89	25.22	24.40	22.83	24.66	25.50	26.48	28.02	28.84
EOM	26.74	25.61	25.05	24.90	24.47	24.40	23.27	24.51	25.68	27.06	28.31	28.83

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.

WATER LEVEL, IN FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.38	21.75	21.54	20.83	20.81	20.72	20.26	19.88	20.18	20.88	21.91	22.90
10	22.36	21.73	21.30	20.69	20.82	20.65	20.13	19.82	20.24	21.08	22.13	22.98
15	22.33	21.62	21.22	20.71	20.55	20.43	19.99	19.83	20.28	21.25	22.30	23.03
20	22.29	21.50	21.08	20.79	20.77	20.26	20.07	19.90	20.36	21.50	22.50	23.11
25	21.89	21.37	20.90	20.71	20.73	20.20	20.07	19.93	20.54	21.63	22.65	23.17
EOM	21.99	21.35	20.85	20.81	20.40	20.25	19.88	20.02	20.78	21.79	22.82	23.21

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.--Apr. 2, 1987, 64.05 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, 21.13 ft below land surface, Apr. 2, 1987.

MEASUREMENT FOR CURRENT YEAR.--Apr. 2, 1987, 21.13 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. Fagman 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 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	36.04	34.84	32.73	32.79	33.79	31.30	31.70	31.18	33.14	35.36	36.59	37.66
10	34.91	34.75	32.28	33.28	33.49	31.08	31.34	31.74	33.64	34.60	36.88	38.21
15	34.53	33.70	31.94	33.76	33.60	32.24	30.88	32.37	34.26	34.64	37.46	38.43
20	34.98	34.06	32.09	34.01	33.93	32.55	29.69	33.18	34.57	34.89	37.66	38.66
25	34.97	34.69	32.98	33.02	33.54	32.29	29.63	33.31	34.93	35.77	37.60	38.56
EOM	35.17	33.58	32.73	33.47	32.59	32.51	30.66	33.42	35.09	36.51	38.13	38.71

CROSS COUNTY

351544090334101. Local number, 07N05E04ADD1.

LOCATION.--Lat 35°15'37", long 90°33'29", 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, 209 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, 24.56 ft. below land surface, Apr. 2, 1987; lowest, 25.91 ft. below land surface, Mar. 18, 1986.

MEASUREMENT FOR CURRENT YEAR.--Apr. 2, 1987, 24.56 ft. below land surface.

352231090421501. Local number, 09N04E30DCA1.

LOCATION.--Lat 35°22'31", long 90°42'15", Hydrologic Unit 08020205.

Owner: Vannsdale-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.--No Measurement.

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.--Apr. 1, 1987, 81.68 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.--Apr. 1, 1987, 44.54 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, 60.55 ft below land surface, Mar. 31, 1987.

MEASUREMENT FOR CURRENT YEAR.--Mar. 31, 1987, 60.55 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, 141.51 ft below land surface, Apr. 1, 1987.

MEASUREMENT FOR CURRENT YEAR.--Apr. 1, 1987, 141.51 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, 60.85 ft below land surface, Mar. 24, 1987.

MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1987, 60.85 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 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.49	21.83	19.68	17.94	16.76	14.04	13.83	---	---	17.78	---	22.77
10	22.39	21.30	19.33	17.68	16.37	14.05	13.79	---	---	19.03	---	22.72
15	22.31	20.87	18.92	17.50	16.01	14.20	13.76	---	---	20.06	---	22.66
20	22.22	20.61	18.66	17.33	15.74	14.11	13.74	---	---	20.80	22.85	22.54
25	22.11	20.33	18.39	17.12	15.42	13.98	13.82	---	---	21.62	23.03	22.39
EOM	21.96	19.88	18.11	16.97	14.71	13.82	---	---	18.76	---	22.89	22.24

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. 24, 1987, 18.66 ft below land surface.

332418091272601. Local number, 15S04W12DDA1.
 LOCATION.--Lat 33°24'18", long 91°27'26", Hydrologic Unit 08050001, near Jerome.
 Owner: Ernest Ellington and Son.
 AQUIFER.--Sparta Sand of Eocene age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18-8 in, depth 760 ft, cased 0-680 ft, screened 680-760 ft.
 DATUM.--Land surface, 125 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, south side, 2.00 ft above land surface.
 REMARKS.--Water-quality records for 1952 available in files of district office.
 PERIOD OF RECORD.--March 1962 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.03 ft below land surface, June 12, 1962; lowest, 52.50 ft below land surface, Mar. 27, 1986.
 MEASUREMENT FOR CURRENT YEAR.--Mar. 24, 1987, 52.43 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. 25, 1987, 33.13 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. 25, 1987, 133.37 ft below land surface.

FULTON COUNTY

362219091492101. Local number, 20N08W27AAB1.
 LOCATION.--Lat 36°22'19", long 91°49'21", Hydrologic Unit 11010010, at Salem.
 Owner: City of Salem.
 AQUIFER.--Gunter Sandstone of Ordovician age.
 WELL CHARACTERISTICS.--Drilled public-supply artesian well, depth 1,280 ft.
 DATUM.--Land surface, 660 ft National Geodetic Vertical Datum of 1929.
 REMARKS.--Water-quality records for January 1969, April 1975, and June 1982 are available in files of district office.

362207091492401. Local number, 20N08W27ABD1.
 LOCATION.--Lat 36°22'07", long 91°49'24", Hydrologic Unit 11010010, at Salem.
 Owner: City of Salem.
 AQUIFER.--Gunter Sandstone of Ordovician age.
 WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in, depth 1,282 ft.
 DATUM.--Land surface, 660 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in plate on top of casing, 2.00 ft above land surface.
 PERIOD OF RECORD.--February 1966 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.74 ft below land surface, Apr. 2, 1985; lowest, 50.73 ft below land surface, Nov. 21, 1974.
 MEASUREMENT FOR CURRENT YEAR.--Mar. 31, 1987, 14.18 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.--Mar. 31, 1987, 100.23 ft below land surface.

360322090290401. Local number, 17N06E31DCB1.

LOCATION.--Lat 36°03'22", long 90°29'04", Hydrologic Unit 08020203, at Paragould (city well No. 1).

Owner: City of Paragould.

AQUIFER.--Sand, Wilcox Group of Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 20 in, depth 507 ft, screened 467-507 ft.

DATUM.--Land surface, 285 ft National Geodetic Vertical Datum of 1929. Measuring point: Pipe in east side of pump base, 1.00 ft above land surface.

REMARKS.--Water-quality records for December 1976, June 1981, and July 1984 are available in files of district office.

PERIOD OF RECORD.--March 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 73.25 ft below land surface, Apr. 13, 1967; lowest, 109.95 ft below land surface, Mar. 25, 1981.

MEASUREMENT FOR CURRENT YEAR.--Apr. 9, 1987, 93.99 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, 258 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in pump base, north side, 1.00 ft above land surface.

PERIOD OF RECORD.--January 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.21 ft below land surface, Mar. 10, 1958; lowest, 40.01 ft below land surface, July 22, 1964.

MEASUREMENT FOR CURRENT YEAR.--Apr. 8, 1987, 44.10 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.--Apr. 6, 1987, 162.14 ft below land surface.

334358093370101. Local number, 12S24W06DAD1.

LOCATION.--Lat 33°43'58", long 93°37'01", Hydrologic Unit 11140201, at Hope (city well No. 2).

Owner: City of Hope.

AQUIFER.--Sand, Tokio Formation of Cretaceous age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 1,200 ft.

DATUM.--Land surface, 355 ft National Geodetic Vertical Datum of 1929. Measuring point: 2-in pipe in south side of concrete base, 0.80 ft above land surface.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.44 ft below land surface, Apr. 5, 1971; lowest, 200.45 ft below land surface, Mar. 28, 1979.

MEASUREMENT FOR CURRENT YEAR.--Apr. 6, 1987, 159.50 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. Wilms, 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.--Mar. 17, 1987, 8.08 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.--Apr. 3, 1987, 11.60 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 1986 TO SEPTEMBER 1987
MEAN VALUES

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Oct. 15	221.40	Jan. 21	231.10	Mar. 21	229.95	June 24	229.20	Aug. 19	232.10
Nov. 19	223.95	Feb. 24	230.45	Apr. 21	230.00	July 21	230.50	Sept. 23	234.30
Dec. 17	227.90			May 20	229.50				

341151092022101. Local number, 06S09W17CCA1.

LOCATION.--Lat 34°11'51", long 92°02'21", Hydrologic Unit 08040205, at Midland Drive North and Midland Drive South, Pine Bluff.

Owner: General Water Works Corporation.

AQUIFER.--Sparta Sand of Eocene age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4-2 in, depth 906 ft.

DATUM.--Land surface, 234.34 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land surface.

PERIOD OF RECORD.--October 1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.36 ft below land surface, Oct. 17, 1956; lowest, 257.33 ft below land surface, Apr. 3, 1987.

MEASUREMENT FOR CURRENT YEAR.--Apr. 3, 1987, 257.33 ft below land surface.

341147092022301. Local number, 06S09W17CCB1.

LOCATION.--Lat 34°11'47", long 92°02'23", Hydrologic Unit 08040205, near Midland Drive North and Midland Drive South, Pine Bluff.

Owner: General Water Works Corporation (well No. 16).

AQUIFER.--Sparta Sand of Eocene Age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-8 in, depth 963 ft, cased 0-783 ft, screened 783-863 ft.

DATUM.--Land surface, 231 ft National Geodetic Vertical Datum of 1929.

REMARKS.--Water quality records for December 1968, June 1975, August 1979, and June 1983 are available in files of district office.

341427091565201. Local number, 05S09W35AAB1.

LOCATION.--Lat 34°14'27", long 91°56'52", Hydrologic Unit 11110207, at St. Louis and Southwestern Railroad yard near Pine Bluff (company observation well No. 5).

Owner: International Paper Company.

AQUIFER.--Sparta Sand of Eocene age.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in, depth 809 ft.

DATUM.--Land surface, 204.67 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft above land surface.

PERIOD OF RECORD.--September 1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.73 ft below land surface, May 23, 1957; lowest, 271.59 ft below land surface, Mar. 24, 1981.

MEASUREMENTS FOR CURRENT YEAR.--Apr. 3, 1987, 255.29 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. 23, 1987, 39.14 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. 2, 1987, 5.35 ft below land surface.

332145093280402. Local number, 16S23W10DCA2.
 LOCATION.--Lat 33°21'45", long 93°28'04", Hydrologic Unit 11140203, near Stamps.
 Owner: Arkansas Power and Light Company.
 AQUIFER.--Cane River Formation of Eocene age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 355 ft.
 DATUM.--Land surface, 293.50 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft above land surface.
 PERIOD OF RECORD.--June 1952 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.75 ft below land surface, Mar. 31, 1953; lowest, 88.90 ft below land surface, Oct. 1, 1963.
 MEASUREMENTS FOR CURRENT YEAR.--Apr. 2, 1987, 60.76 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, 32.41 ft below land surface, Apr. 2, 1987.
 MEASUREMENT FOR CURRENT YEAR.--Apr. 2, 1987, 32.41 ft below land surface.

344341090460001. Local number, 01N03E02BBC1.
 LOCATION.--Lat 34°43'41", long 90°46'00", Hydrologic Unit 08020304, near Marianna.
 Owner: University of Arkansas, Cotton Branch Experiment Station.
 AQUIFER.--Sand and gravel of Quaternary age.
 WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 24-12 in, depth 168 ft.
 DATUM.--Land surface, 236.43 ft National Geodetic Vertical Datum of 1929. Measuring point: Small pipe in west side of pump base, 2.00 ft above land surface.
 PERIOD OF RECORD.--March 1958 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.16 ft below land surface, Apr. 17, 1961; lowest, 49.67 ft below land surface, Nov. 15, 1966.
 MEASUREMENT FOR CURRENT YEAR.--Apr. 2, 1987, 43.16 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.

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.--Apr. 1, 1987, 25.84 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.--Apr. 1, 1987, 2.53 ft below land surface.

344607091543401. Local number, 02N08W30CAB1.
 LOCATION.--Lat 34°46'07", long 91°54'34", Hydrologic Unit 08020402, at Joe Hogan State Fish Hatchery near Lonoke.
 Owner: State Game and Fish Commission.
 AQUIFER.--Sand and gravel of Quaternary age.
 WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 18 in, depth 135 ft.
 DATUM.--Land surface, 245 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land surface.
 PERIOD OF RECORD.--September 1968 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.65 ft below land surface, Mar. 24, 1969; lowest, 115.81 ft below land surface, Apr. 1, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	112.84	111.87	112.15	111.41	112.43	112.15	114.74	112.77	---	113.92	116.87	115.54
10	112.66	112.25	111.78	111.10	112.44	112.46	113.55	113.17	113.84	114.86	---	116.28
15	112.74	111.77	111.64	111.10	112.78	112.48	113.85	113.81	113.78	114.66	---	116.04
20	112.67	111.85	111.55	111.39	112.79	113.49	113.22	113.46	113.61	115.10	---	115.45
25	112.12	111.61	111.34	111.07	112.79	113.79	113.17	113.16	113.54	115.85	115.06	115.19
EOM	112.37	111.60	111.36	112.42	112.78	115.21	112.81	112.96	114.04	116.14	114.91	115.01

WTR YR 1987 HIGHEST 110.89 JAN. 18, 1987 LOWEST 116.87 AUG. 5, 1987

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. 15, 1987, 103.82 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. 2, 1987, 3.76 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. 31, 1987, 9.81 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. 31, 1987, 11.59 ft below land surface.

355607090152601. Local number, 15N08E08D8C1.
 LOCATION.--Lat 35°56'07", long 90°15'26", Hydrologic Unit 08020204, at Leachville.
 Owner: City of Leachville (city well No. 1).
 AQUIFER.--Sand, Wilcox Group of Eocene age.
 WELL CHARACTERISTICS.--Drilled public-supply unused artesian well, diameter 10-6 in, depth 1,083 ft cased 0-1,000 ft, screened 1,000-1,083 ft.
 DATUM.--Land surface, 236 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of outer casing, 1.00 ft above land surface.
 REMARKS.--Water-quality records for 1956 in files of district office.
 PERIOD OF RECORD.--November 1958, March 1967 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.90 ft below land surface, Nov. 5, 1958; lowest, 10.18 ft below land surface, June 10, 1967.
 MEASUREMENT FOR CURRENT YEAR.--APR. 1, 1987, 8.10 ft below land surface.

355323089552101. Local number 15N11E28C4C1.
 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.

MONROE COUNTY

344135091165101. Local number, 01N03W24B8B1.
 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. 24, 1987, 23.00 ft below land surface.

NEVADA COUNTY

334756093231801. Local number, 11S22W08D4C1.
 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.--Apr. 3, 1987, 79.99 ft below land surface.

334759093231302. Local number, 11S22W08D4C2.
 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, 45.60 ft below land surface, Apr. 3, 1987; lowest, 138.42 ft below land surface, Apr. 9, 1974.
 MEASUREMENT FOR CURRENT YEAR.--Apr. 3, 1987, 45.60 ft below land surface.

QUACHITA COUNTY

334018092594801. Local number, 12S18W19C0C1.
 LOCATION.--Lat 33°40'18", long 92°59'48", Hydrologic Unit 08040102, near Bragg City.
 Owner: U.S. Geological Survey.
 AQUIFER.--Sparta Sand of Eocene age.
 WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 2 in, depth 120 ft, cased 0-117 ft, screened 117-120 ft.
 DATUM.--Land surface, 235 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.60 ft above land surface.
 REMARKS.--Water-quality records for 1957 and 1958 available in files of district office.
 PERIOD OF RECORD.--November 1958 to March 1962, March 1964 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.71 ft below land surface, Mar. 31, 1975; lowest, 53.20 ft below land surface, Oct. 1, 1970.
 MEASUREMENT FOR CURRENT YEAR.--Mar. 26, 1987, 43.56 ft below land surface.

334215092413201. Local number, 12S16W12ADB1.

LOCATION.--Lat 33°42'15", long 92°41'32", Hydrologic Unit 08040102, near Eagle Mills.

Owner: J. S. J. Lyle Estate.

AQUIFER.--Sparta Sand of Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 300 ft.

DATUM.--Land surface, 159 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft above land surface.

PERIOD OF RECORD.--October 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.48 ft below land surface, May 15, 1962; lowest, 30.27 ft below land surface, Apr. 5, 1968.

MEASUREMENT FOR CURRENT YEAR.--Mar. 31, 1987, 23.32 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.--Apr. 1, 1987, 16.29 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 1986 TO SEPTEMBER 1987

DAY	MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	30.24	28.84	27.10	26.61	27.50	26.45	26.98	27.33	33.99	29.19	29.77	29.90
10	29.54	28.50	26.54	27.13	27.34	29.13	34.12	26.57	34.95	28.99	29.29	30.07
15	28.92	28.59	26.46	27.54	27.39	26.18	29.57	30.20	32.11	29.96	29.67	30.54
20	28.75	28.01	26.35	27.63	27.45	27.96	29.92	32.78	30.69	28.79	29.76	30.69
25	28.54	28.00	26.53	27.52	27.45	26.34	27.69	29.33	29.04	29.00	30.20	31.02
EOM	29.15	27.85	26.72	27.30	26.90	34.82	30.95	28.69	34.39	29.65	29.94	31.03

WTR YR 1987 HIGHEST 25.88 APR. 19, 1987 LOWEST 37.24 APR. 7, 1987

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 1986 TO SEPTEMBER 1987

DAY	MEAN VALUES											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	16.11	15.96	14.21	13.25	12.75	10.45	10.67	12.69	13.37	13.96	15.61	15.92
10	16.16	15.14	13.67	13.35	12.69	10.56	11.35	12.82	13.84	14.32	15.69	15.96
15	16.22	14.92	13.49	13.46	12.59	10.44	11.42	12.75	13.63	14.64	15.87	15.99
20	16.27	14.84	13.32	13.60	12.36	9.73	11.94	13.00	14.15	15.02	15.98	16.04
25	16.01	14.51	13.05	13.52	12.10	9.76	12.24	13.59	13.77	15.23	15.94	16.09
EOM	15.99	14.28	13.03	13.37	10.77	10.22	12.36	13.34	14.36	15.52	15.91	16.15

WTR YR 1987 HIGHEST 9.62 MAR. 23, 1987 LOWEST 16.29 OCT. 23, 1986

352930090582501. Local number, 10N01E15D8B1.
 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.--Apr. 2, 1987, 70.60 ft below land surface.

PRAIRIE COUNTY

343639091335201. Local number, 01S05W20ABB1.
 LOCATION.--Lat 34°36'39", long 91°33'52", Hydrologic Unit 08020303, near Stuttgart.
 Owner: Mike 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 138.13 ft below land surface, Mar 18, 1987.
 MEASUREMENT FOR CURRENT YEAR.--Mar. 18, 1987, 138.13 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. 17, 1987, 106.15 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 and Mar. 16, 1987.
 MEASUREMENTS FOR CURRENT YEAR.--Mar. 16, 1987, 63.84 ft. below land surface.

ST. FRANCIS COUNTY

345848090521903. Local number, 04N02E03DD03.
 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, 33.83 ft below land surface, Mar. 31, 1987.
 MEASUREMENT FOR CURRENT YEAR.--Mar. 31, 1987, 33.83 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.--Apr. 7, 1987, 22.81 ft below land surface.

335808094100101. Local number, 09S30W238D02.
 LOCATION.--Lat 33°58'08", long 94°10'01", Hydrologic Unit 1140109, at Lockesburg (city well No. 2).
 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.--Apr. 1, 1987, 71.34 ft below land surface.

335806094100102. Local number, 09S30W238D02.
 LOCATION.--Lat 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, 216.32 ft below land surface, Apr. 8, 1987.
 MEASUREMENTS FOR CURRENT YEAR.--Apr. 8, 1987, 216.32 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. 1, 1987, 135.22 ft below land surface.

331358092424301. Local number, 17S16W248DB1.
 LOCATION.--Lat 33°13'58", long 92°42'43", Hydrologic Unit 08040201, at El Dorado (city well No. 17).
 Owner: City of El Dorado.
 AQUIFER.--Sparta Sand of Eocene age.
 WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 18-8 in, depth 615 ft, cased 0-493 ft, screened 493-615 ft.
 DATUM.--Land surface, 205 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 2.00 ft above land surface.
 REMARKS.--Water-quality records for June 1972, August 1977, and June 1981 are available in files of district office.
 PERIOD OF RECORD.--April 1968 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 339.29 ft below land surface, Apr. 10, 1973; lowest, 367.38 ft below land surface, Mar. 21, 1980.
 MEASUREMENTS FOR CURRENT YEAR.--Apr. 2, 1987, 366.10 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 1986 TO SEPTEMBER 1987
 MEAN VALUE

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	337.51	334.81	332.64	331.38	333.17	333.25	332.66	332.87	332.87	339.22	344.29	346.62
10	336.97	334.39	332.24	332.03	334.12	333.08	332.36	332.88	332.86	340.18	345.47	346.62
15	336.24	333.99	332.66	332.77	334.05	332.31	332.36	332.87	332.86	340.98	345.58	346.62
20	335.43	333.58	332.58	332.54	333.59	332.65	332.68	332.87	335.37	341.59	345.58	347.39
25	336.11	332.94	331.69	332.91	333.12	332.57	332.88	332.87	337.06	341.75	346.63	346.65
EOM	335.22	332.15	331.76	333.29	332.86	332.77	332.88	332.87	338.55	343.19	345.98	346.41
WTR YR 1987	HIGHEST	331.24	JAN. 2, 1987	LOWEST	347.39	SEP. 20, 1987						

330855092505601. Local number 18S17W22BD01.

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 1986 TO SEPTEMBER 1987
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	344.23	343.89	343.86	343.85	344.13	344.37	344.21	344.43	344.94	345.25	346.05	347.12
10	344.17	343.89	343.71	343.90	344.22	344.32	344.07	344.40	345.01	345.38	346.23	347.23
15	344.17	343.84	343.75	343.95	343.92	344.21	344.07	344.50	344.97	345.47	346.38	347.38
20	344.27	343.75	343.75	344.04	344.28	344.15	344.18	344.57	345.02	345.68	346.63	347.48
25	343.91	343.51	343.71	343.92	344.28	344.15	344.32	344.72	345.09	345.82	346.81	347.63
EOM	344.08	343.57	343.81	344.07	343.98	344.21	344.31	344.83	345.24	345.94	347.02	347.75
WTR YR 1987	HIGHEST	343.51	NOV. 25, 1986	LOWEST	347.75	SEP. 30, 1987						

WOODRUFF COUNTY

351657091203101. Local number, 08N03W31A01.

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. 16, 1987, 18.88 ft below land surface.

Analyses of samples collected statewide are given in the following tables. The analyses are grouped by counties.

AQUIFER NAMES CORRESPONDING TO GEOLOGIC UNITS LISTED IN THE QUALITY OF GROUND-WATER TABLES ARE GIVEN BELOW.

GEOLOGIC UNIT	AQUIFER NAME	GEOLOGIC UNIT	AQUIFER NAME
124WLCX	WILCOX GROUP, EOCENE	367CTTR	COTTER DOLOMIC, LOWER ORDOVICIAN
211NCTC	NACOTOCH SAND, MESOZOIC	367GNTR	GUNTER SANDSTONE MEMBER OF VAN BUREN FORMATION, LOWER ORDOVICIAN
330B00N	BOONE FORMATION, MISSISSIPPIAN	367RBDX	ROUBIDOUX FORMATION, LOWER ORDOVICIAN
331BSVL	BATESVILLE SANDSTONE, UPPER MISSISSIPPIAN		

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BENTON COUNTY

362636094012602 - 21N29W35DD82

DATE	TIME	GEO-LOGIC UNIT	HYDRO-LOGIC UNIT CODE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS (MG/L AS CAC03) (00900)	HARD-NESS WH WAT TOT FLD (MG/L AS CAC03) (00902)	CALCIUM DIS-SOLVED AS CA (00915)	MAGNE-SIUM, DIS-SOLVED AS MG (00925)	
JUL 28...	1330	367GNTR	11070208	410	7.80	18.0	110	0	33	6.6	
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 WH WAT TOTAL 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 SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
JUL 28...	1330	38	42	2	3.7	166	7.9	14	0.50	8.4	211
DATE	TIME	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	NITRO-GEN, NO2+N03 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)	BORON, DIS-SOLVED (UG/L AS B) (01020)	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)
JUL 28...	1330	213	0.29	<0.100	<0.010	20	140	<0.5	<1	<5	<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)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	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)
JUL 28...	1330	<10	6	10	51	1	<10	<10	<1	340	500

BOONE COUNTY

361722093141401 - 19N21W20BDC1

DATE	TIME	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 WH WAT TOTAL FIELD (MG/L AS CAC03) (00410)	CAR-BONATE WAT WH TOTAL FIELD (MG/L AS C03) (00445)
MAY 08...	1830	19	11	8	0.3	1.3	254	0
SEP 18...	1330	18	17	12	0.5	1.3	246	--

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

361722093141401 - 19N21W208DC1--CONTINUED

DATE	TIME	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
------	------	--	--	--	--	--	---	---

MAY								
08...	1830	310	28	8.0	0.360	0.010	0.010	1
SEP								
18...	1330	--	33	8.9	0.380	0.060	<0.010	<1

DATE	TIME	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
------	------	---	---	---	---	---	---	---

MAY								
08...	1830	<4	3	11	4	2	<6	930
SEP								
18...	1330	<4	<2	16	<2	2	<5	1000

361753093110401 - 19N21W14CDB1SP

DATE	TIME	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- LITY WH WAT TOTAL FIELD (MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD (MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD (MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
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MAR										
18...	1300	1.1	2.0	3	0.1	1.4	114	0	140	9.3
18...	1301	1.2	2.1	3	0.1	1.5	98	0	120	5.9
MAY										
07...	0930	1.6	2.7	3	0.1	1.0	197	0	240	3.4
SEP										
15...	0000	1.8	2.6	3	0.1	1.5	192	--	--	<3.0
15...	0200	1.6	2.4	3	0.1	1.4	188	--	--	3.0
15...	0600	1.6	2.6	3	0.1	1.3	182	--	--	<3.0
15...	1415	1.5	2.2	2	0.1	1.2	198	--	--	3.1
15...	2300	1.6	2.4	3	0.1	1.4	190	--	--	<3.0

DATE	TIME	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, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
------	------	--	---	--	---	--	--	--	--

MAR									
18...	1300	3.8	<0.10	8.7	151	144	0.21	--	0.870
18...	1301	3.1	--	--	--	--	--	0.510	--
MAY									
07...	0930	4.3	--	--	--	--	--	0.920	--
SEP									
15...	0000	5.0	--	--	--	--	--	1.28	--
15...	0200	5.0	--	--	--	--	--	1.32	--
15...	0600	5.0	--	--	--	--	--	1.32	--
15...	1415	4.5	--	--	--	--	--	1.44	--
15...	2300	4.8	--	--	--	--	--	1.28	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

361753093110401 - 19N21W14CDB1SP--CONTINUED

DATE	TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
------	------	--	---	--	---	---	---	---	---

MAR									
18...	1300	--	0.020	110	<1	10	<1	<1	2
18...	1301	<0.010	0.020	--	--	--	<1	<1	<2
MAY									
07...	0930	0.060	0.010	--	--	--	1	<4	<3
SEP									
15...	0000	<0.010	0.020	--	--	--	--	--	--
15...	0200	<0.010	0.020	--	--	--	--	--	--
15...	0600	<0.010	0.020	--	--	--	--	--	--
15...	1415	<0.010	0.020	--	--	--	--	--	--
15...	2300	<0.010	0.020	--	--	--	--	--	--

DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
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MAR									
18...	1300	96	<5	--	<0.1	<1	<1	32	4
18...	1301	43	5	9	--	<3	--	--	1
MAY									
07...	0930	7	10	2	--	<6	--	--	5

361900093162201 - 19N22W12CAB1SP

DATE	TIME	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 WH WAT TOTAL FIELD CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
------	------	---	---	------------------------------	--	--	---	--	---	--

MAR										
13...	0945	1.4	4.1	4	0.1	1.3	207	0	250	12
13...	0946	1.5	4.0	4	0.1	1.4	197	0	240	9.2
JUN										
20...	1230	1.5	4.1	4	0.1	1.0	238	0	290	7.3

DATE	TIME	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 SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
------	------	--	---	--	---	--	--	--	--

MAR									
13...	0945	7.0	<0.10	10	252	254	0.34	--	0.700
13...	0946	6.5	--	--	--	--	--	0.420	--
JUN									
20...	1230	6.0	--	--	--	--	--	0.410	--

DATE	TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
------	------	--	---	--	---	---	---	---	---

MAR									
13...	0945	--	<0.010	20	<1	<10	<1	<1	1
13...	0946	<0.010	0.020	--	--	--	<1	<1	<2
JUN									
20...	1230	<0.010	0.010	--	--	--	<1	<4	<3

QUALITY OF GROUND WATER

543

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

361900093162201 - 19N22W12CAB1SP--CONTINUED

DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
MAR									
13...	0945	5	<5	--	<0.1	<1	<1	66	3
13...	0946	<2	5	<1	--	<3	--	--	3
JUN									
20...	1230	4	<4	2	--	<6	--	--	<1

361915093122001 - 19N21W10BCA1

DATE	TIME	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 WH WAT TOTAL FIELD MG/L AS CACO3 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)
MAY								
08...	1800	7.8	12		0.3	3.0	246	0
SEP								
16...	1030	11	24		0.8	6.3	234	--

DATE	TIME	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
MAY								
08...	1800	300	18	4.5	0.210	0.030	0.020	1
SEP								
16...	1030	--	21	5.9	0.200	0.010	<0.010	<1

DATE	TIME	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
MAY								
08...	1800	4	6	7	16	2	<6	710
SEP								
16...	1030	<4	<2	1	<2	<2	<5	130

361923093103801 - 19N21W11ABD1SP

DATE	TIME	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 WH WAT TOTAL FIELD MG/L AS CACO3 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
MAR										
18...	1400	1.4	1.8	3	0.1	0.90	142	0	170	5.4
18...	1401	1.5	2.1	3	0.1	0.05	142	0	170	3.0
MAY										
08...	1400	2.2	2.1	2	0.1	1.0	197	0	240	3.4

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

361923093103801 - 19N21W11ABD1SP--CONTINUED

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS S102) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NO2+N03 DIS- SOLVED (MG/L AS N) (00631)
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MAR									
18...	1400	2.0	<0.10	11	160	165	0.22	--	0.910
18...	1401	2.0	--	--	--	--	--	0.880	--
MAY									
08...	1400	2.0	--	--	--	--	--	0.120	--

DATE	TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
------	------	--	---	--	---	---	---	---	---

MAR									
18...	1400	--	<0.010	20	<1	<10	<1	<1	1
18...	1401	0.040	0.010	--	--	--	<1	<1	<2
MAY									
08...	1400	0.040	<0.010	--	--	--	<1	<4	<3

DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
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MAR									
18...	1400	9	<5	--	<0.1	<1	<1	34	<3
18...	1401	2	<2	<1	--	<3	--	--	1
MAY									
08...	1400	<4	<4	16	--	<6	--	--	6

361942093134701 - 19N21W050DB1SP

DATE	TIME	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- LITY WH WAT TOTAL FIELD (MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD (MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD (MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
MAR										
13...	0845	1.2	3.2	3	0.1	1.4	192	0	230	6.9
13...	0846	1.3	3.3	3	0.1	1.5	180	0	220	4.3
JUN										
20...	1145	1.3	2.3	2	0.1	1.0	213	0	260	<3.0
SEP										
14...	2130	0.80	1.0	3	0.1	4.4	46	--	--	3.2
15...	0030	1.3	2.0	3	0.1	2.9	146	--	--	<3.0
15...	0415	1.0	2.0	3	0.1	2.4	120	--	--	<3.0
15...	1200	1.0	2.0	3	0.1	2.6	120	--	--	<3.0
15...	2145	1.1	2.0	3	0.1	2.3	141	--	--	<3.0

QUALITY OF GROUND WATER

545

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

361942093134701 - 19N21W05DDB1SP--CONTINUED

DATE	TIME	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, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
MAR									
13...	0845	7.5	<0.10	10	234	227	0.32	--	1.40
13...	0846	6.5	--	--	--	--	--	1.17	--
JUN									
20...	1145	4.0	--	--	--	--	--	1.03	--
SEP									
14...	2130	3.8	--	--	--	--	--	3.40	--
15...	0030	5.5	--	--	--	--	--	3.40	--
15...	0415	5.1	--	--	--	--	--	2.20	--
15...	1200	5.3	--	--	--	--	--	1.80	--
15...	2145	5.3	--	--	--	--	--	1.68	--

DATE	TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
MAR									
13...	0845	--	0.020	20	<1	10	<1	<1	1
13...	0846	<0.010	0.020	--	--	--	--	--	--
JUN									
20...	1145	<0.010	0.030	--	--	--	<1	<4	<3
SEP									
14...	2130	<0.010	0.250	--	--	--	--	--	--
15...	0030	<0.010	0.130	--	--	--	--	--	--
15...	0415	<0.010	0.080	--	--	--	--	--	--
15...	1200	<0.010	0.080	--	--	--	--	--	--
15...	2145	<0.010	0.070	--	--	--	--	--	--

DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
MAR									
13...	0845	7	<5	--	<0.1	<1	<1	47	7
JUN									
20...	1145	4	4	2	--	<6	--	--	<1

362053093123801 - 20N21W33ACD1

DATE	TIME	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY WH WAT TOTAL FIELD CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD C03 (00445)
MAY									
08...	1630	40	20	15	15	0.5	5.1	180	0
SEP									
17...	0845	40	21	15	15	0.5	5.4	176	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

362053093123801 - 20N21W33ACD1--CONTINUED

DATE	TIME	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HCO3 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
------	------	--	--	--	--	--	---	---

MAY								
08...	1630	220	21	3.0	<0.040	0.370	0.010	<1
SEP								
17...	0845	--	21	3.5	0.080	0.140	<0.010	<1

DATE	TIME	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
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MAY								
08...	1630	<4	<3	29	4	4	<6	610
SEP								
17...	0845	<4	<2	19	<2	<2	<5	170

362106093151201 - 20N21W31BAC1

DATE	TIME	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 WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)
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JUN								
20...	1345	1.4	2.7	3	0.1	2.0	180	0
SEP								
17...	1300	1.7	2.9	3	0.1	2.6	188	--

DATE	TIME	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HCO3 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
------	------	--	--	--	--	--	---	---

JUN								
20...	1345	220	3.4	63	0.360	0.020	0.020	<1
SEP								
17...	1300	--	3.0	4.8	2.36	<0.010	0.010	<1

DATE	TIME	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
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JUN								
20...	1345	<4	<3	7	4	<2	<6	3
SEP								
17...	1300	<4	<2	5	<2	<2	<5	150

QUALITY OF GROUND WATER

547

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

362226093102201 - 20N21W23DAB1SP

DATE	TIME	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- LITY WH WAT TOTAL FIELD (MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD (MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD (MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
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MAR										
18...	1515	1.7	2.7	3	0.1	1.0	141	0	170	4.0
18...	1516	1.7	2.8	4	0.1	1.4	139	0	170	1.5
MAY										
08...	1545	2.3	2.6	2	0.1	1.2	189	0	230	3.1

DATE	TIME	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, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
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MAR									
18...	1515	6.6	<0.10	12	193	181	0.26	--	13.0
18...	1516	6.0	--	--	--	--	--	4.68	--
MAY									
08...	1545	6.0	--	--	--	--	--	2.10	--

DATE	TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
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MAR									
18...	1515	--	0.010	30	<1	<10	<1	<1	<1
18...	1516	<0.010	0.020	--	--	--	<1	<1	<2
MAY									
08...	1545	0.200	0.020	--	--	--	<1	<4	<3

DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
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MAR									
18...	1515	20	<5	--	<0.1	<1	<1	39	6
18...	1516	<2	<2	<1	--	<3	--	--	1
MAY									
08...	1545	7	10	47	--	<6	--	--	4

362227093080401 - 20N20W20BCA1

DATE	TIME	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- LITY WH WAT TOTAL FIELD (MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD (MG/L AS C03 (00445)
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JUN								
21...	1230	30	1.6	1	0.0	1.3	262	0
SEP								
16...	1130	31	1.6	1	0.0	1.6	254	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

362227093080401 - 20N20W20BCA1--CONTINUED

DATE	TIME	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (0044U)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
------	------	--	--	--	--	--	---	---

JUN 21...	1230	320	17	0.50	<0.040	<0.010	0.010	<1
SEP 16...	1130	--	20	1.5	0.060	0.100	<0.010	1

DATE	TIME	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
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JUN 21...	1230	<4	<3	4	10	2	<6	1100
SEP 16...	1130	<4	<2	12	2	<2	<5	300

362231093142901 - 20N21W19ADD1

DATE	TIME	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 WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)
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JUN 21...	1630	18	4.4	4	0.1	1.5	180	0
SEP 17...	1015	18	2.6	3	0.1	2.7	154	--

DATE	TIME	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
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JUN 21...	1630	220	31	4.3	<0.040	<0.010	0.010	<1
SEP 17...	1015	--	17	4.1	0.060	<0.010	<0.010	<1

DATE	TIME	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
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JUN 21...	1630	<4	3	11	10	2	<6	1300
SEP 17...	1015	<4	<2	27	<2	2	<5	260

QUALITY OF GROUND WATER

549

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

362304093123001 - 20N21W16DDC1SP

DATE	TIME	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- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
MAR										
19...	1330	1.2	2.1	3	0.1	1.4	97	0	120	7.8
19...	1331	1.1	2.4	4	0.1	1.6	115	0	140	3.9
MAY										
07...	1030	1.4	2.6	3	0.1	1.0	172	0	210	3.5
SEP										
14...	2315	1.4	2.8	4	0.1	1.5	141	--	--	<3.0
15...	0115	1.4	2.4	4	0.1	1.5	126	--	--	<3.0
15...	0500	1.5	2.2	3	0.1	1.6	140	--	--	3.1
15...	1315	1.5	2.4	3	0.1	1.4	160	--	--	3.1
15...	2230	1.5	2.8	4	0.1	1.5	160	--	--	<3.0

DATE	TIME	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, NO2+N03 DIS- SOLVED (MG/L AS N) (00631)
MAR									
19...	1330	3.4	<0.10	10	147	133	0.20	--	0.810
19...	1331	2.7	--	--	--	--	--	0.690	--
MAY									
07...	1030	2.8	--	--	--	--	--	0.740	--
SEP									
14...	2315	6.5	--	--	--	--	--	1.40	--
15...	0115	5.5	--	--	--	--	--	2.44	--
15...	0500	4.8	--	--	--	--	--	2.76	--
15...	1315	3.8	--	--	--	--	--	1.96	--
15...	2230	4.3	--	--	--	--	--	2.12	--

DATE	TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
MAR									
19...	1330	--	0.010	30	<1	<10	<1	<1	2
19...	1331	<0.010	0.010	--	--	--	<1	<1	<2
MAY									
07...	1030	0.010	0.030	--	--	--	<1	<4	<3
SEP									
14...	2315	<0.010	0.030	--	--	--	--	--	--
15...	0115	<0.010	0.020	--	--	--	--	--	--
15...	0500	<0.010	0.020	--	--	--	--	--	--
15...	1315	<0.010	0.020	--	--	--	--	--	--
15...	2230	<0.010	0.020	--	--	--	--	--	--

DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
MAR									
19...	1330	21	<5	--	<0.1	<1	<1	35	8
19...	1331	9	5	1	--	<3	--	--	11
MAY									
07...	1030	4	10	2	--	<6	--	--	<1

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

362318093162701 - 20N22W13CBD1

DATE	TIME	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 WH WAT TOTAL FIELD (MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD (MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD (MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
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MAR										
19...	1500	24	8.9	8	0.3	5.4	222	0	270	18
19...	1501	25	8.2	8	0.3	5.6	213	0	260	17
MAY										
08...	1000	22	10	10	0.3	6.2	197	0	240	20
SEP										
18...	1230	25	8.4	8	0.3	6.0	206	--	--	19

DATE	TIME	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 (TONS PER AC-FT) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
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MAR									
19...	1500	2.9	0.90	8.8	230	252	0.31	--	0.230
19...	1501	2.1	--	--	--	--	--	0.180	--
MAY									
08...	1000	1.5	--	--	--	--	--	0.040	--
SEP									
18...	1230	2.5	--	--	--	--	--	0.200	--

DATE	TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
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MAR									
19...	1500	--	<0.010	<10	1	210	<1	<1	9
19...	1501	0.050	0.020	--	--	--	<1	<1	6
MAY									
08...	1000	0.300	0.040	--	--	--	<1	<4	3
SEP									
18...	1230	0.010	<0.010	--	--	--	<1	<4	<2

DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
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MAR									
19...	1500	6	<5	--	0.4	2	<1	860	1500
19...	1501	4	13	3	--	<3	--	--	1100
MAY									
08...	1000	14	16	2	--	<6	--	--	880
SEP									
18...	1230	5	<2	2	--	<5	--	--	520

362319093115001 - 20N21W15CAA1

DATE	TIME	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 WH WAT TOTAL FIELD (MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD (MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD (MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
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MAY										
07.	1330	28	2.4	2	0.1	1.6	--	--	--	35
07.	1331	31	1.9	1	0.0	1.6	221	0	270	33
SEP										
17.	1345	30	2.4	2	0.1	2.5	220	--	--	37

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

362319093115001 - 20N21W15CAA1--CONTINUED

DATE	TIME	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 AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
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MAY									
07.	1330	5.5	0.20	10	269	280	0.37	--	0.560
07.	1331	4.5	--	--	--	--	--	0.320	--
SEP									
17.	1345	6.5	--	--	--	--	--	0.560	--

DATE	TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
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MAY									
07.	1330	--	0.010	<10	4	20	1	<1	1
07.	1331	<0.010	0.010	--	--	--	<1	<4	<3
SEP									
17.	1345	0.010	0.010	--	--	--	1	<4	<2

DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
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MAY									
07.	1330	49	<5	--	<0.1	4	4	140	310
07.	1331	4	4	<2	--	<6	--	--	440
SEP									
17.	1345	16	2	2	--	5	--	--	220

362351093142101 - 20N21W17BBB1

DATE	TIME	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- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)
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MAY								
08...	1715	19	2.9	3	0.1	3.8	164	0
SEP								
17...	0900	20	2.9	3	0.1	3.7	164	--

DATE	TIME	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
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MAY								
08...	1715	200	22	1.5	0.540	0.010	<0.010	1
SEP								
17...	0900	--	19	1.5	0.060	<0.010	0.010	<1

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

362351093142101 - 20N21W17BBB1--CONTINUED

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)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
MAY 08...	1715	4	<3	7	4	<2	<6	570
SEP 17...	0900	<4	<2	12	<2	<2	<5	280

362436093055301 - 20N20W03CCA1

DATE	TIME	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 WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
MAR 19.	1630	42	6.5	4	0.2	0.80	332	0	400	9.3
MAR 19.	1631	42	6.9	4	0.2	1.2	328	0	400	13
MAY 08.	1230	47	3.2	2	0.1	1.0	336	0	410	26
SEP 16.	1200	50	2.8	2	0.1	1.4	338	--	--	23

DATE	TIME	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, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
MAR 19.	1630	9.9	0.10	14	345	351	0.47	--	1.60
MAR 19.	1631	7.5	--	--	--	--	--	0.730	--
MAY 08.	1230	3.3	--	--	--	--	--	0.100	--
SEP 16.	1200	4.5	--	--	--	--	--	0.240	--

DATE	TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
MAR 19.	1630	--	<0.010	<10	<1	<10	<1	<1	4
MAR 19.	1631	<0.010	0.010	--	--	--	<1	<1	<2
MAY 08.	1230	<0.010	0.010	--	--	--	<1	<4	<3
SEP 16.	1200	0.180	0.010	--	--	--	<1	<4	<2

DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
MAR 19.	1630	3	<5	--	<0.1	<1	<1	55	110
MAR 19.	1631	2	5	1	--	<3	--	--	140
MAY 08.	1230	4	<4	2	--	<6	--	--	160
SEP 16.	1200	5	<2	<2	--	<5	--	--	120

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

362455093103201 - 20N21W02DBA1SP

DATE	TIME	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- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
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MAR										
19...	1100	1.9	3.8	7	0.2	1.4	84	0	100	7.2
19...	1101	2.1	4.0	7	0.2	1.8	82	0	100	5.3

DATE	TIME	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 SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NO2+N03 DIS- SOLVED (MG/L AS N) (00631)
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MAR									
19...	1100	10	<0.10	11	132	125	0.18	--	2.40
19...	1101	10	--	--	--	--	--	1.88	--

DATE	TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
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MAR									
19...	1100	--	<0.010	<10	<1	<10	<1	<1	1
19...	1101	0.030	0.010	--	--	--	<1	<1	<2

DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
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MAR									
19...	1100	5	<5	--	<0.1	<1	<1	37	6
19...	1101	6	5	1	--	<3	--	--	8

362506093135701 - 20N21W05CAA1SP

DATE	TIME	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- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
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MAR										
19...	1245	8.8	7.2	6	0.2	2.6	197	0	240	44
19...	1246	11	7.0	6	0.2	2.8	197	0	240	43
MAY										
08...	0845	15	13	7	0.3	2.0	279	0	340	75
08...	0915	15	13	7	0.3	2.0	279	0	340	72

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

362506093135701 - 20N21W05CAA1SP--CONTINUED

DATE	TIME	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, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
MAR									
19...	1245	13	0.10	9.8	295	289	0.40	--	1.90
19...	1246	81	--	--	--	--	--	0.220	--
MAY									
08...	0845	20	--	--	--	--	--	2.10	--
08...	0915	20	--	--	--	--	--	2.07	--

DATE	TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
MAR									
19...	1245	--	0.020	20	<1	10	<1	<1	10
19...	1246	<0.010	0.030	--	--	--	<1	<1	6
MAY									
08...	0845	0.010	0.030	--	--	--	<1	<4	6
08...	0915	<0.010	0.040	--	--	--	<1	<4	<3

DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
MAR									
19...	1245	14	<5	--	0.2	<1	<1	170	46
19...	1246	7	5	1	--	<3	--	--	110
MAY									
08...	0845	4	21	4	--	<6	--	--	16
08...	0915	4	16	<2	--	<6	--	--	2

362556093155401 - 21N22W36D8D1SP

DATE	TIME	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- LITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)
JUN								
20...	1600	2.6	5.5	6	0.2	1.5	148	0

DATE	TIME	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
JUN								
20...	1600	180	3.5	25	1.31	0.040	0.010	<1

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

362556093155401 - 21N22W36DBD1SP--CONTINUED

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)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
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JUN								
20...	1600	<4	<3	4	16	2	<6	690

362607093111001 - 21N21W35BBC1SP

DATE	TIME	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 WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)
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MAR								
20...	1030	--	--	--	--	--	55	0
20...	1031	1.4	3.0	10	0.2	1.5	55	0
MAY								
08...	1115	2.3	4.8	9	0.2	1.3	90	0

DATE	TIME	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
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MAR								
20...	1030	67	--	--	--	--	--	--
20...	1031	67	3.1	5.0	1.23	<0.010	0.030	<1
MAY								
08...	1115	110	<3.0	12	1.38	0.010	0.020	<1

DATE	TIME	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
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MAR								
20...	1031	<1	<2	6	<2	1	<3	10
MAY								
08...	1115	<4	<3	<4	<4	<2	<6	17

362638093113101 - 21N21W27DBD1SP

DATE	TIME	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 WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)
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MAR								
11...	1535	2.6	8.2	17	0.4	2.3	64	0
JUN								
20...	0845	4.0	8.6	13	0.4	2.0	98	0

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

362638093113101 - 21N21W27DBD1SP--CONTINUED

DATE	TIME	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
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MAR	11...	1535	78	6.5	12	3.08	<0.010	0.120	<1
JUN	20...	0845	120	5.0	15	3.19	0.040	0.090	1

DATE	TIME	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
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MAR	11...	1535	<1	<2	6	2	4	<3	--
JUN	20...	0845	<4	<3	4	<4	11	<6	5

362648093072801 - 21N20W29ACA1SP

DATE	TIME	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 WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
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MAR	12...	1630	2.1	2.5	4	0.1	1.9	99	0	120	6.1
MAR	12...	1631	2.3	2.6	5	0.1	2.1	82	0	100	5.1
JUN	20...	0945	3.1	3.0	4	0.1	2.6	115	0	140	4.5

DATE	TIME	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, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
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MAR	12...	1630	3.3	<0.10	12	157	135	0.21	--	4.70
MAR	12...	1631	3.5	--	--	--	--	3.93	--	--
JUN	20...	0945	3.5	--	--	--	--	6.80	--	--

DATE	TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
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MAR	12...	1630	--	0.020	50	<1	<10	<1	<1	1
MAR	12...	1631	<0.010	0.020	--	--	--	<1	<1	2
JUN	20...	0945	0.020	0.040	--	--	--	3	<4	<3

QUALITY OF GROUND WATER

557

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

362648093072801 - 21N20W29ACA1SP--CONTINUED

DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
MAR									
12...	1630	14	<5	--	<0.1	1	<1	52	5
12...	1631	9	<2	<1	--	<3	--	--	10
JUN									
20...	0945	4	<4	2	--	<6	--	--	<1

362654093101601 - 21N21W26ADB1

DATE	TIME	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 WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)
JUN								
21...	1345	34	1.6	1	0.0	3.0	262	0
SEP								
16...	1530	36	1.8	1	0.0	3.8	267	--

DATE	TIME	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
JUN								
21...	1345	320	52	2.0	0.320	<0.010	0.010	<1
SEP								
16...	1530	--	68	3.2	0.280	0.200	0.010	<1

DATE	TIME	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
JUN								
21...	1345	<4	<3	11	10	4	<6	1900
SEP								
16...	1530	<4	<2	5	<2	<2	<5	1100

362658093121001 - 21N21W27BCB1SP

DATE	TIME	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 WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
MAR										
11...	1345	2.6	2.7	4	0.1	1.5	141	0	170	11
11...	1346	2.6	3.1	4	0.1	1.7	131	0	160	7.1
JUN										
20...	0745	3.8	2.6	3	0.1	3.3	164	0	200	11

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

362658093121001 - 21N21W27BCB15P--CONTINUED

DATE	TIME	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, NO2+N03 DIS- SOLVED (MG/L AS N) (00631)
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MAR									
11...	1345	13	<0.10	10	196	184	0.27	--	0.170
11...	1346	6.0	--	--	--	--	--	0.080	--
JUN									
20...	0745	10	--	--	--	--	--	0.840	--

DATE	TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
------	------	--	---	--	---	---	---	---	---

MAR									
11...	1345	--	0.040	10	<1	20	<1	<1	1
11...	1346	0.120	0.030	--	--	--	6	10	<2
JUN									
20...	0745	0.160	0.100	--	--	--	4	20	<3

DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
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MAR									
11...	1345	440	<5	--	<0.1	5	<1	56	51
11...	1346	140	82	4	--	25	--	--	11
JUN									
20...	0745	440	27	1300	--	17	--	--	32

362706093043501 - 21N20W23CD01

DATE	TIME	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- LITY WH WAT TOTAL FIELD (MG/L AS CAC03) (00410)	CAR- BONATE WAT WH TOTAL FIELD (MG/L AS C03) (00445)
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JUN								
21...	1430	35	1.8	1	0.0	3.3	271	0
SEP								
16...	1415	33	1.6	1	0.0	5.6	264	--

DATE	TIME	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
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JUN								
21...	1430	330	18	1.0	0.060	<0.010	0.010	1
SEP								
16...	1415	--	19	1.5	0.040	0.100	0.010	<1

QUALITY OF GROUND WATER

559

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

362706093043501 - 21N20W23CDD1--CONTINUED

		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)	MANGANESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)		
JUN 21...	1430	<4	<3	22	16	2	<6	130		
SEP 16...	1415	<4	<2	90	<2	2	<5	67		
362714093125101 - 21N21W28BAA1SP										
DATE	TIME	MAGNESIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	PERCENT SODIUM (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTASSIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKALINITY WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CARBONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)	BICARBONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
MAR 18.	1615	2.7	1.4	3	0.1	0.90	84	0	100	5.5
MAR 18.	1616	2.9	1.5	3	0.1	1.0	82	0	100	3.9
MAY 07.	1745	2.4	2.6	--	0.1	<1.0	115	0	140	3.2
DATE	TIME	CHLORIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUORIDE, 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)	NITROGEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITROGEN, NO2+N03 DIS- SOLVED (MG/L AS N) (00631)	
MAR 18.	1615	2.1	<0.10	9.1	96	104	0.13	--	0.380	
MAR 18.	1616	1.7	--	--	--	--	--	0.530	--	
MAY 07.	1745	7.8	--	--	--	--	--	0.360	--	
DATE	TIME	NITROGEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOSPHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUMINUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	
MAR 18.	1615	--	<0.010	50	<1	<10	<1	<1	<1	
MAR 18.	1616	0.030	0.010	--	--	--	<1	<1	<2	
MAY 07.	1745	0.030	0.010	--	--	--	<1	<4	<3	
DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGANESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELENIUM, DIS- SOLVED (UG/L AS SE) (01145)	STRONTIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	
MAR 18.	1615	15	<5	--	<0.1	<1	<1	23	5	
MAR 18.	1616	7	13	1	--	<3	--	--	1	
MAY 07.	1745	7	16	2	--	<6	--	--	6	

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

362807093081101 - 21N20W17CCC1

DATE	TIME	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 WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)
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JUN	21...	1515	32	2.6	2	0.1	5.5	246	0
SEP	16...	1300	34	2.2	2	0.1	6.1	250	--

DATE	TIME	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00947)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
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JUN	21...	1515	300	42	0.50	0.050	0.020	<0.010	2
SEP	16...	1300	--	55	1.7	0.060	0.160	<0.010	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)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
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JUN	21...	1515	<4	<3	11	16	4	<6	1700
SEP	16...	1300	<4	<2	8	<2	<2	<5	1400

362823093140401 - 21N21W17CAC1SP

DATE	TIME	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 WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
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MAR	19...	0930	2.0	2.9	4	0.1	1.3	117	0	140	6.4
	19...	0931	2.2	3.0	5	0.1	1.7	123	0	150	5.2
MAY	07...	1545	3.0	3.4	4	0.1	1.5	131	0	160	3.5

DATE	TIME	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS S102) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
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MAR	19...	0930	6.3	<0.10	11	163	150	0.22	--	2.50
	19...	0931	5.8	--	--	--	--	--	2.16	--
MAY	07...	1545	7.5	--	--	--	--	--	3.40	--

QUALITY OF GROUND WATER

561

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

362823093140401 - 21N21W17CAC1SP--CONTINUED

DATE	TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
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MAR									
19...	0930	--	<0.010	<10	<1	<10	<1	<1	<1
19...	0931	<0.010	0.010	--	--	--	<1	<1	<2
MAY									
07...	1545	0.060	0.030	--	--	--	<1	<4	<3

DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
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MAR									
19...	0930	9	<5	--	<0.1	<1	<1	44	6
19...	0931	2	5	<1	--	<3	--	--	5
MAY									
07...	1545	4	10	<2	--	<6	--	--	33

362841093115101 - 21N21W15BDA1

DATE	TIME	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 WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
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MAY										
07.	1430	19	1.4	2	0.0	2.2	--	--	--	38
07.	1431	20	1.9	2	0.1	2.3	131	0	160	36
SEP										
17.	1500	21	1.4	2	0.0	2.4	110	--	--	37

DATE	TIME	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 CONSTITU- ENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
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MAY									
07.	1430	1.1	0.30	8.7	192	192	0.26	--	<0.100
07.	1431	1.2	--	--	--	--	--	<0.040	--
SEP									
17.	1500	1.2	--	--	--	--	--	<0.040	--

DATE	TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
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MAY									
07.	1430	--	<0.010	<10	<1	20	<1	<1	4
07.	1431	0.030	<0.010	--	--	--	2	<4	<3
SEP									
17.	1500	<0.010	<0.010	--	--	--	<1	<4	<2

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

362841093115101 - 21N21W15BDA1--CONTINUED

DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
MAY									
07.	1430	<3	<5	--	<0.1	<1	<1	170	410
07.	1431	4	<4	<2	--	<6	--	--	390
SEP									
17.	1500	5	<2	<2	--	<5	--	--	180

362911093160201 - 21N22W12DCC1

DATE	TIME	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 WH WAT TOTAL FIELD MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
MAY										
07...	1515	21	1.8	2	0.1	1.1	--	--	--	16
07...	1516	22	1.5	2	0.0	1.0	164	0	200	14
SEP										
17...	1530	21	1.6	2	0.0	1.2	154	--	--	15

DATE	TIME	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, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
MAY									
07...	1515	2.6	0.10	10	193	195	0.26	--	0.220
07...	1516	2.5	--	--	--	--	--	0.160	--
SEP									
17...	1530	2.8	--	--	--	--	--	0.160	--

DATE	TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
MAY									
07...	1515	--	<0.010	<10	<1	<10	1	<1	8
07...	1516	<0.010	0.010	--	--	--	<1	4	6
SEP									
17...	1530	<0.010	<0.010	--	--	--	<1	<4	<2

DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
MAY									
07...	1515	<3	<5	--	<0.1	<1	<1	52	620
07...	1516	4	4	<2	--	<6	--	--	630
SEP									
17...	1530	5	2	<2	--	<5	--	--	270

QUALITY OF GROUND WATER

563

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

362923093081001 - 21N20W08BCB15P

DATE	TIME	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 WH WAT TOTAL FIELD (MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD (MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD (MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
MAR										
12...	0900	4.0	6.9	11	0.3	4.7	55	0	66	9.3
12...	0901	4.2	7.0	11	0.3	4.6	54	0	66	7.3
JUN										
20...	1045	5.7	8.2	10	0.3	6.0	107	0	130	7.0

DATE	TIME	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 SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NO2+N03 DIS- SOLVED (MG/L AS N) (00631)
MAR									
12...	0900	16	<0.10	11	185	125	0.25	--	12.0
12...	0901	15	--	--	--	--	--	10.8	--
JUN									
20...	1045	17	--	--	--	--	--	10.2	--

DATE	TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
MAR									
12...	0900	--	0.060	30	<1	<10	<1	<1	1
12...	0901	<0.010	0.090	--	--	--	<5	<1	<2
JUN									
20...	1045	0.020	0.090	--	--	--	<1	<4	<3

DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
MAR									
12...	0900	5	<5	--	<0.1	2	<1	93	4
12...	0901	2	13	<1	--	<3	--	--	1
JUN									
20...	1045	7	<4	2	--	<6	--	--	1

362935093034501 - 21N20W12BBA1

DATE	TIME	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 WH WAT TOTAL FIELD (MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD (MG/L AS C03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD (MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
MAR										
12.	1245	40	1.9	1	0.0	2.6	297	0	360	34
12.	1246	39	2.6	2	0.1	3.0	295	0	360	29
SEP										
16.	1500	47	5.0	3	0.1	3.7	297	--	--	72

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

362935093034501 - 21N20W12BBA1--CONTINUED

DATE	TIME	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, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
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MAR	12. 1245	3.5	0.10	9.4	329	344	0.45	--	0.450
	12. 1246	2.0	--	--	--	--	--	0.150	--
SEP	16. 1500	5.8	--	--	--	--	--	1.42	--

DATE	TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
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MAR	12. 1245	--	<0.010	<10	<1	<10	<1	<1	3
	12. 1246	<0.010	0.020	--	--	--	1	<1	2
SEP	16. 1500	0.160	<0.010	--	--	--	<1	<4	<2

DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
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MAR	12. 1245	6	<5	--	<0.1	3	<1	50	190
	12. 1246	6	2	<1	--	<3	--	--	180
SEP	16. 1500	5	<2	2	--	<5	--	--	140

362945093124801 - 21N21W09BAD15P

DATE	TIME	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 WH WAT TOTAL FIELD (MG/L AS CAC03 (00410)	CAR- BONATE WAT WH TOTAL FIELD (MG/L AS HC03 (00445)	BICAR- BONATE WAT WH TOTAL FIELD (MG/L AS HC03 (00440)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)
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MAR	19... 0830	1.2	3.0	11	0.2	1.3	45	0	55	5.4
	19... 0831	1.5	3.3	12	0.2	1.4	48	0	58	3.2
MAY	07... 1700	1.9	5.0	9	0.2	1.2	90	0	110	3.2

DATE	TIME	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, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
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MAR	19... 0830	5.4	<0.10	9.1	70	71	0.09	--	1.40
	19... 0831	5.5	--	--	--	--	--	1.27	--
MAY	07... 1700	11	--	--	--	--	--	0.960	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

BOONE COUNTY--CONTINUED

362945093124801 - 21N21W09BAD1SP--CONTINUED

DATE	TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	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)	BORON, DIS- SOLVED (UG/L AS B) (01020)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)
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MAR	19...	0830	--	0.010	40	<1	<10	<1	<1	1
	19...	0831	<0.010	0.020	--	--	--	<1	<1	<2
MAY	07...	1700	0.030	0.020	--	--	--	<1	<4	<3

DATE	TIME	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
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MAR	19...	0830	22	<5	--	<0.1	<1	<1	25	7
	19...	0831	7	5	<1	--	<3	--	--	1
MAY	07...	1700	4	10	<2	--	<6	--	--	6

CLAY COUNTY

362225090120801 - 20N08E15BAA1

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- LITY WH WAT TOTAL 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)
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JUL	30...	1015	1.8	2	0.0	1.1	320	1.8	1.1	0.10	9.9	218
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DATE	TIME	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P) (00671)	BARIIUM, DIS- SOLVED (UG/L AS BA) (01005)	BORON, DIS- SOLVED (UG/L AS B) (01020)	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)
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JUL	30...	1015	288	0.30	0.110	<0.010	28	<10	<0.5	<1	<5	<3
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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)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	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)
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JUL	30...	1015	<10	<3	<10	9	<1	<10	<10	1	35	22
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FULTON COUNTY

362219091492101 - 20N08W27AAB1

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- LITY WH WAT TOTAL 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)
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JUL	29...	1030	170	93	16	3.2	234	8.2	74	0.40	11	453
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QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

FULTON COUNTY--CONTINUED

362219091492101 - 20N08W27AAB1--CONTINUED

DATE	TIME	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NO2+N03 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)	BORON, DIS- SOLVED (UG/L) AS B) (01020)	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)
JUL 29...	1030	416	0.62	<0.100	0.070	24	300	<0.5	<1	<5	<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)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	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)
JUL 29...	1030	<10	17	<10	45	1	<10	<10	<1	330	9

362359091590001 - 20N09W18ACB1

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 WH WAT TOTAL 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 (70300)
JUL 29...	1200	2.0	2	0.1	1.8	180	1.4	1.4	0.10	11	181
DATE	TIME	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	NITRO- GEN, NO2+N03 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)	BORON, DIS- SOLVED (UG/L) AS B) (01020)	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)
JUL 29...	1200	188	0.25	<0.100	0.010	34	<10	<0.5	<1	<5	<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)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	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)
JUL 29...	1200	<10	4	<10	9	<1	<10	<10	<1	32	39

MISSISSIPPI COUNTY

355323089552101 - 15N11E28CAC1

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 WH WAT TOTAL 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 (70300)
JUL 30...	1415	31	67	3	3.7	92	10	1.3	0.20	11	124

QUALITY OF GROUND WATER

567

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

MISSISSIPPI COUNTY--CONTINUED

355323089552101 - 15N11E28CAC1--CONTINUED

DATE	TIME	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	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)	BORON, DIS- SOLVED (UG/L AS B) (01020)	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)
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JUL 30...	1415	126	0.17	<0.100	0.010	110	70	<0.5	<1	<5	<3
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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)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	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)
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JUL 30...	1415	<10	3100	<10	30	120	<10	<10	<1	340	25
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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 September 1987.

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, Colorado 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.

PRECIPITATION QUALITY, AUGUST 1986 TO SEPTEMBER 1987

DATE	TIME	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)
AUG 26- SEP 02 SEP	0900-0905	1028	17003	0.0	--	--	4.89	--	22
02-09 SEP	0905-0900	1028	17003	2.37	97	4.68	4.82	12	8
09-16 SEP	0900-0900	1028	17003	0.58	95	4.36	4.53	22	18
16-23 SEP	0900-0900	1028	17003	0.25	100	4.31	4.43	24	21
23-30 SEP	0900-0900	1028	17003	0.0	--	--	--	--	--
OCT 07 OCT	0900-0900	1028	17003	1.92	97	5.27	4.77	16	12
07-14 OCT	0900-0940	1028	17003	0.95	97	4.56	4.79	14	9
14-21 OCT	0940-0920	1028	17003	0.0	--	--	--	--	--
21-28 OCT	0920-0900	1028	17003	2.40	98	4.59	4.81	14	8

DATE	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, 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 PO4) (00653)
AUG 26- SEP 02 SEP	<0.21	<0.07	<0.07	0.40	<0.47	<0.71	<0.71	<0.7	<0.24
02-09 SEP	0.02	0.01	0.01	0.03	<0.02	0.55	0.06	0.5	<0.01
09-16 SEP	0.19	0.03	0.03	0.19	0.07	1.2	0.21	1.9	<0.01
16-23 SEP	0.10	0.05	0.03	0.34	0.14	2.2	0.38	1.6	<0.01
23-30 OCT	0.09	0.05	0.02	0.35	0.09	0.67	0.53	1.0	<0.01
07-14 OCT	0.02	0.01	<0.00	0.03	0.09	0.56	0.04	0.8	<0.01
21-28 OCT	0.02	0.01	0.01	0.05	0.04	0.52	0.08	0.7	<0.01

CHEMICAL QUALITY OF PRECIPITATION

569

341045093055400 NATIONAL TRENDS NETWORK SITE NEAR CADD0 VALLEY, ARK.--CONTINUED

PRECIPITATION QUALITY, AUGUST 1986 TO SEPTEMBER 1987

DATE	TIME	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 28- NOV 04	0900-0900	1028	--	0.33	--	--	4.20	--	32
NOV 04-11	0900-0945	1028	17003	6.44	98	4.69	4.72	14	10
NOV 11-18	0945-0900	1028	17003	0.09	75	4.12	4.22	36	33
NOV 18-25	0900-0900	1028	17003	1.63	86	4.33	4.45	22	18
NOV 25- DEC 02	0900-1230	1028	17003	0.15	95	4.72	5.04	11	6
DEC 02-09	1230-0900	1028	17003	3.95	97	4.79	4.75	13	9
DEC 09-16	0900-0900	1028	17003	0.23	61	4.58	4.74	13	10
DEC 16-23	0900-0900	1028	17003	0.75	92	4.45	4.67	13	11
DEC 23-30	0900-1430	1028	17003	0.01	89	--	4.24	--	49
DEC 30- JAN 06	1420-0900	1028	17003	1.05	98	4.28	4.43	22	20
JAN 1987 06-13	0900-0900	1028	17003	0.0	--	4.07	4.18	34	35
JAN 13-20	0900-0900	1028	17003	0.78	79	4.21	4.19	26	29
JAN 20-27	0900-0900	1028	--	0.05	96	--	--	--	--
JAN 27- FEB 03	0900-0900	1028	17003	0.69	99	4.63	4.86	10	9
FEB 03-10	0900-0900	1028	--	0.07	0.0	--	--	--	--
FEB 10-17	0900-0900	1028	17003	1.60	99	4.58	4.82	10	10
FEB 17-24	0900-0900	1028	17003	0.45	98	4.17	4.24	25	29
FEB 24- MAR 03	0900-1015	1028	--	3.74	92	--	--	--	--
MAR 03-10	1015-0900	1028	17003	0.0	--	--	--	--	--
MAR 10-17	0900-0900	1028	17003	0.97	101	4.52	5.41	17	13
MAR 17-24	0900-1330	1028	17003	1.07	98	4.76	5.88	11	10
MAR 24-31	1330-0900	1028	17003	0.34	86	4.49	4.68	27	26
MAR 31- APR 07	0900-0900	1028	--	0.25	97	--	--	--	--
APR 07-14	0900-0900	1028	--	0.54	91	--	--	--	--
APR 14-21	0900-0900	1028	17003	0.0	--	--	--	--	--
APR 21-28	0900-0900	1028	17003	0.0	--	--	--	--	--
APR 28- MAY 05	0900-0900	1028	17003	4.63	96	4.73	4.78	11	11
MAY 05-12	0900-0900	1028	17003	1.63	99	4.52	4.60	13	15
MAY 12-19	0900-0900	1028	--	0.96	100	--	--	--	--
MAY 19-26	0900-0900	1028	17003	2.46	99	4.61	4.86	10	8
MAY 26- JUN 02	0900-0900	1028	17003	0.39	86	4.40	4.47	20	23
JUN 02-09	0900-0900	1028	17003	0.0	--	--	--	--	--
JUN 09-16	0900-0900	1028	17003	0.44	92	4.65	4.38	18	22
JUN 16-23	0900-0900	1028	17003	0.61	97	4.04	4.10	41	45
JUN 23-30	0900-0910	1028	17003	0.16	96	3.88	4.39	26	23

341045093055400 NATIONAL TRENDS NETWORK SITE NEAR CADD0 VALLEY, ARK.--CONTINUED

PRECIPITATION QUALITY, AUGUST 1986 TO SEPTEMBER 1987

DATE	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 PO4) (00653)
OCT 28-									
NOV 04	0.06	0.02	0.00	0.10	0.04	1.3	0.15	2.4	<0.01
NOV									
04-11	<0.01	0.00	0.00	0.03	0.06	0.43	0.08	0.9	0.01
NOV									
11-18	0.13	0.01	0.01	0.18	0.34	1.8	0.10	3.6	<0.01
NOV									
18-25	0.04	0.01	0.01	0.03	0.17	0.88	0.08	1.8	<0.01
NOV 25-									
DEC 02	0.04	0.00	0.01	0.18	0.03	0.62	<0.03	0.6	<0.01
DEC									
02-09	0.03	0.02	0.01	0.12	0.07	0.45	0.22	0.8	<0.01
DEC									
09-16	0.03	0.01	0.01	0.09	0.02	0.63	0.07	0.9	<0.01
DEC									
16-23	0.04	0.01	<0.01	0.06	<0.02	0.53	0.04	1.0	<0.01
DEC									
23-30	0.40	0.05	0.07	0.74	0.26	3.1	0.60	3.4	<0.07
DEC 30-									
JAN 06	0.05	0.01	0.01	0.08	0.25	1.1	0.14	1.9	<0.01
JAN 1987									
06-13	0.06	0.03	0.02	0.21	0.40	1.9	0.45	3.3	<0.01
JAN									
13-20	0.12	0.01	0.01	0.03	0.15	1.4	0.06	2.8	<0.01
JAN 27-									
FEB 03	0.08	0.04	0.03	0.24	<0.02	0.37	0.39	0.8	<0.01
FEB									
10-17	0.19	0.02	0.02	0.11	<0.02	0.60	0.17	1.2	<0.01
FEB									
17-24	0.12	0.02	0.01	0.05	0.12	2.0	0.08	2.5	<0.01
MAR									
10-17	0.32	0.06	0.18	0.45	0.12	0.80	0.75	2.1	<0.01
MAR									
17-24	0.29	0.07	0.27	0.17	0.45	0.65	0.25	1.3	0.16
MAR									
24-31	1.3	0.15	0.57	0.17	0.42	2.8	0.36	4.0	<0.01
APR 18-									
MAY 05	0.07	0.02	0.03	0.09	0.36	0.78	0.18	1.3	<0.01
MAY									
05-12	0.05	0.01	0.01	0.02	0.24	0.96	0.06	1.5	<0.01
MAY									
19-26	0.02	0.01	0.02	0.02	0.16	0.53	<0.03	0.7	<0.01
MAY 26-									
JUN 02	0.10	0.07	0.04	0.44	0.35	1.7	0.73	2.1	<0.01
JUN									
09-16	0.12	0.02	0.03	0.07	0.24	1.8	0.14	1.7	<0.02
JUN									
16-23	0.11	0.01	0.04	0.03	0.40	1.7	0.09	4.8	<0.02
JUN									
23-30	0.23	0.04	0.03	0.25	0.17	2.5	0.29	1.7	0.03

CHEMICAL QUALITY OF PRECIPITATION

571

341045093055400 NATIONAL TRENDS NETWORK SITE NEAR CADD0 VALLEY, ARK.--CONTINUED

PRECIPITATION QUALITY, AUGUST 1986 TO SEPTEMBER 1987

DATE	TIME	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 LAB (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)
JUN 30- JUL 07	0910-0900	1028	17003	0.83	101	4.07	4.53	17	17
JUL 07-14	0900-0915	1028	17003	1.85	99	4.33	4.72	12	10
JUL 14-21	0915-0900	1028	17003	0.0	--	--	--	--	--
JUL 21-28	0900-0900	1028	17003	0.06	107	--	--	--	--
JUL 28- AUG 04	0900-0915	1028	17003	0.01	29	--	--	--	--
AUG 04-11	0915-0900	1028	17003	0.60	102	4.81	4.89	15	12
AUG 11-18	0900-0900	1028	17003	0.0	--	--	4.17	--	--
AUG 18-25	0900-0900	1028	17003	0.53	102	4.81	4.70	15	14
AUG 25- SEP 01	0900-0900	1028	17003	0.75	99	4.18	4.43	26	22
SEP 01-08	0900-0900	1028	17003	0.0	--	--	--	--	--
SEP 08-15	0900-0900	1028	17003	0.0	--	--	--	--	--
SEP 15-22	0900-0900	1028	17003	1.19	98	4.35	4.69	12	10
SEP 22-29	0900-0900	1028	17003	0.01	37	--	4.29	--	45

DATE	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 PO4) (00653)
JUN 30- JUL 07	0.16	0.03	0.02	0.17	0.08	1.5	0.26	1.1	<0.02
JUL 07-14	0.04	0.02	0.01	0.08	0.04	0.54	0.14	0.8	<0.02
AUG 04-11	0.52	0.05	0.07	0.13	0.12	1.8	0.19	1.3	<0.02
AUG 18-25	0.32	0.04	0.03	0.16	0.16	1.3	0.24	1.4	<0.02
AUG 25- SEP 01	0.15	0.02	0.03	0.07	0.45	1.7	0.17	2.2	<0.02
SEP 15-22	0.08	0.02	0.01	0.08	0.04	0.76	0.13	0.8	<0.02
SEP 22-29	<0.31	<0.10	<0.10	0.10	<0.69	<1.0	<1.0	<1.0	<0.69

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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).

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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